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LINEAR
INTEGRATED CIRCUIT
D.A.T.A. BOOK®

Edition 20
11,755 Types

Valid Thru January 1979
84 Manufacturers

TABLE OF CONTENTS

EDITORIAL POLICY & PROCEDURES

Purpose

This D.A.T.A.BOOK is designed to report comprehensively on what is presently being produced throughout the world in the field of LINEAR IC devices. While a book such as this can not provide 100% of the information you might need, its primary aims are those of facilitating the selection of types suitable to your technical requirements, and of directing you to the sources of their manufacture.

Technical Data Acquisition

D.A.T.A. acquires and processes the information presented in this D.A.T.A.BOOK with the cooperation of the participating manufacturers who supply us with their latest technical information. Manufacturers are not charged for the listing of their products.

JEDEC Outlines

At the time this D.A.T.A.BOOK was prepared, there were no JEDEC type numbers; however, some of the devices have the JEDEC– designated DO–, MO– and TO– outlines which are included as applicable in the Outline Drawing Section.

Military Type Numbers

The electrical, mechanical and environmental information tabulated for the military types in the technical sections is derived directly from the applicable military specifications and standards. The source information, showing the particular manufacturers qualified for each type, is derived from the QPL (Qualified Parts List) associated with the governing specification, or from the manufacturers Qualification Test Letters.

Substitute Types And Compatibility

This D.A.T.A.BOOK can not truly claim to be an interchangeability chart; however, because of the sequencing arrangement of selected characteristics in the technical sections, types with the same or similar characteristics are grouped together. For purposes of replacement, this means of thorough, convenient technical comparison should prove superior to, and safer than, a mere listing of possible substitute type numbers.

Price And Availability

Because of the rapidly-changing and complex nature of this field, current price and delivery information should be obtained direct from the manufacturers. The list of manufacturers and the Local Offices Section in back of the book will assist you in this.

Manufacturers' Specifications

This book includes currently-manufactured devices with their major characteristics, drawings and manufacturers. Every effort is made to ensure the accuracy of the entries herein; however, the publisher can not be held responsible nor guarantee against the possibility of error or omission. Only the manufacturers or their authorized representatives can provide you with complete technical details.

HOW TO MAKE MAXIMUM USE OF THIS D.A.T.A.BOOK

To make maximum use of this D.A.T.A.BOOK, select the particular known-unknown situation below that defines your problem, and follow the instructions as indicated.

1	KNOWN: Electrical and Mechanical Requirements UNKNOWN: Suitable Type Numbers a. Turn to the Table of Contents (first page) and select the technical data section corresponding to the subject device type. b. Turn to any page in the selected section. Note the sequencing parameters (those characteristics for which the data is sequenced) indicated at the top corner of the page. c. Using the sequencing parameters, locate the type numbers that are in general agreement with your requirements. (Because of the sequencing arrangement, these types will appear together, in groups and sub-groups.) From among these, select the one or ones most suitable. d. To identify the manufacturer of the selected type number(s), follow the instructions in Block 2 below.
2	KNOWN: Type Number (ATF494) UNKNOWN: Manufacturer(s), Address, Local Offices a. Turn to Type No. Cross Index (Section 2) and locate the subject type number (page 5.) (Refer to 'HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS INDEX'.) b. Note the 3 (or 4) letter manufacturer's code, e.g., APX, indicated for the subject type. c. Use the listing of 'MANUFACTURERS & THEIR CODES' in back of the book to identify the codes. (Note: Local offices for manufacturers shown in bold print in this listing are identified in a special section in back of the book.)
3	KNOWN: Type Number (ATF494) UNKNOWN: Its Electrical Characteristics, And/Or Circuit And Outline Drawings a. Turn to Type No. Cross Index and locate the subject type number. b. Note the page and line number, e.g., 69-34, alongside the type number. c. Locate the type number as noted, in the technical sections. (Note: Along with the electrical and performance characteristics listed for each type number are references to the circuit and outline drawings, located in Section 13 and Section 14, respectively.)
4	KNOWN: Type Number (ATF494) UNKNOWN: Equivalent Types For Replacement a. Follow the instructions in Block 3 above. b. Survey the type numbers surrounding the subject number to determine the suitable alternatives.
5	KNOWN: Military Requirements UNKNOWN: Suitable Type Number(s) a. Follow the instructions in Block 1, to determine the general type numbers that meet the military requirements. From among these, select the military types by means of the identifying prefix (JANM38510.) b. To identify the manufacturers, follow the instructions in Block 6.
6	KNOWN: Military-Type Number (JANM38510/10201BCA) UNKNOWN: Qualified Manufacturers And/Or Applicable Military Specification a. Turn to Section 12 (TYPES WITH U. S. MILITARY SPECIFICATIONS), and locate the subject type number. (Type numbers are arranged in alpha-numeric order.) b. Note the manufacturer's code(s) and detail specification listed next to the type number. (The detail specification added to the general specification indicated in the column heading for the detail specification, makes up the complete military specification for the subject device.) c. Use the listing of MANUFACTURERS & THEIR CODES in back of the book to identify the manufacturer code(s).
7	KNOWN: Type Number Not Included In Book UNKNOWN: What Happened to It? a. Consult D.A.T.A.BOOK OF DISCONTINUED INTEGRATED CIRCUITS.

USE OF POWERS-OF-TEN MULTIPLIERS AND SYMBOLS & CODES IN THE TECHNICAL SECTIONS

To present a maximum amount of information in a minimum amount of space, use is made in this book of the following data modifiers:

POWERS-OF-TEN MULTIPLIERS

The powers-of-ten multipliers shown below are used in numeric columns when the value being entered is many times greater or smaller than the units of measure indicated in the column heading. Usually, the latter are the so-called 'basic' units; such as V (volts), A (amperes) and s (seconds). The multipliers and an explanation of their use are given below:

MULTIPLIERS

PREFIXES & SYMBOLS Indicating Powers of Ten — Recommended by International Committee on Weights and Measures, Adopted by National Bureau of Standards

Power	Prefix	Symbol	Power	Prefix	Symbol	Power	Prefix	Symbol
10^{12}	tera	T	10	deka	da	10^{-9}	nano	n
10^{9}	giga	G	10^{-1}	deci	d	10^{-12}	pico	p
10^{6}	mega	M	10^{-2}	centi	c	10^{-15}	femto	f
10^{3}	kilo	k	10^{-3}	milli	m	10^{-18}	atto	a
10^{2}	hecto	h	10^{-6}	micro	μ			

EXPLANATION

Value of Data To Be Entered	Basic Unit In Column Heading	Actual Entry
3 milliamperes	A (amperes)	3.0m
9 megaohms	Ω (ohms)	9.0M
0.5 volt	V (volts)	500m *
10 amperes	A (amperes)	10

* May also be written as 0.5, with no multiplier

SYMBOLS & CODES

Symbols – Symbols such as #, △, and $ are used in all columns, numeric or otherwise, whenever the data entries differ in some way from the entity defined in the column heading. For instance, if a given heading specifies Max. Power (in Watts) and the numeric value being entered for a given type represents the minimum power instead, the variance is denoted by the appearance of a special symbol alongside the numeric entry.

NOTE: The symbols and codes used herein are explained on the cards in back of the book.

Codes – Codes are used in some columns as means to abbreviate the data being entered. The codes may be alphabetic (A,B,C, etc.) numeric (1,2,3, etc.) or some combination of both.

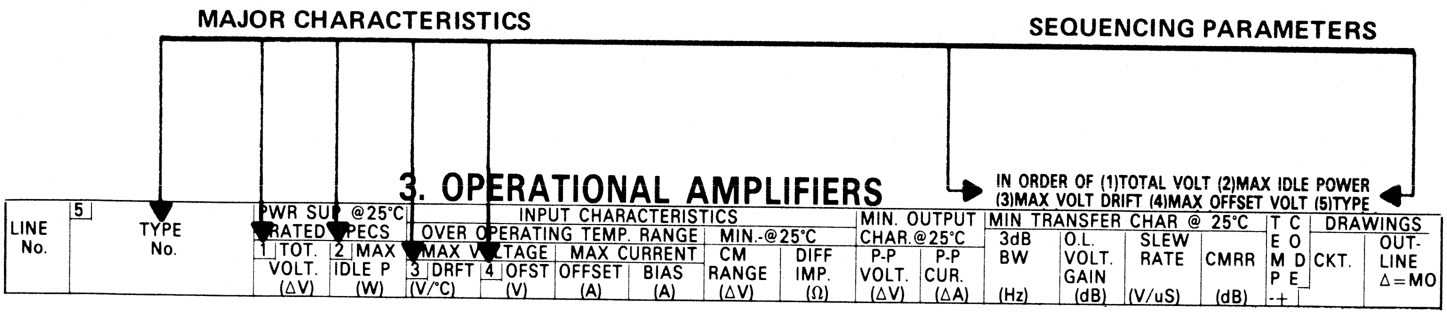
HOW TYPE NUMBERS ARE SEQUENCED IN THE TYPE NUMBER CROSS INDEX

Sequencing of type numbers in the Type Number Cross-Index is governed by the following rules:

Rules	EXAMPLES
1) Type numbers are listed in numeric-alphabetic sequence; i.e., type numbers beginning with a number (decimal, fraction, or whole) precede type numbers beginning with a letter.	13A01 143 1202 A147 AN127 B2000
2) Decimals and fractions precede whole numbers. An equivalent decimal precedes the fraction when the remainder of type number is identical.	25Z150 1/4Z150 3/4M12Z 1T3
3) Zeros are ignored in sequencing except when the zero is the only basis for distinguishing one type number from another. In this case the type number containing the zero is listed first.	0112 112 0113 00115 AP01 AP1 AP02
4) Number and/or letter groupings preceding hyphens or slashes are the controlling factors in sequencing. The hyphens and slashes themselves precede any identically positioned letters also having the same beginning number/letter groupings.	66-0706 66M1 70/10 70A9

HOW TYPE NOS. ARE ARRANGED IN THE TECHNICAL SECTION – SEQUENCING PARAMETERS

The arrangement of types in the technical sections is keyed to a set of special characteristics selected for their importance from among the general group of characteristics tabulated in each section. These selected characteristics, or sequencing parameters, differ from one section to another, and are identified at the top corner of each page, as shown in the sample below.



The different types within a section are first arranged in ascending numeric (or alphabetic) order of the first such parameter. Groups of types having a common value for the first parameter are then arranged in ascending order of the second parameter. This process continues for each parameter in turn, up to and including the last parameter which, in every instance, is the type number itself. The final arrangement, by type number, is done in accordance with the sequencing of type numbers in the cross-index, as explained on the preceding page.

A simplified model of the arrangement as described is shown below.

4 Type Number	Characteristics 1 A	2 B	C	3 D
A13	100		325	
A4	100		1000	20
A9	100	A	20	25
A10	100	A	200	25
A3	100	B	40	15
A1	100	C	80	10
A8	100	C	900	15
A7	100	D	35	30
A11	110	A	60	25
A2	120	A	300	15
A5	120	B	150	20
A6	120	B	200	20
A12	120	B	475	25
Last Seq. Par.	1st Seq. Par.	2nd Seq. Par.	(Not Seq.)	3rd Seq. Par.

Note that the absence of an entry for any sequencing parameter is regarded as a zero, and precedes any actual entries in the sequencing.

NOTES

We feel you may have some useful comments which deserve consideration for future editions.

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
0-578A1	♦DDC	50-42
0-578A2	♦DDC	50-53
0-578B1	♦DDC	50-94
0-578B2	♦DDC	50-109
0-578B3	♦DDC	51-6
0-578C1	♦DDC	51-10
0-578C2	♦DDC	51-13
1-578A1	♦DDC	50-43
1-578A2	♦DDC	50-54
1-578B1	♦DDC	50-95
1-578B2	♦DDC	50-110
1-578B3	♦DDC	51-4
1-578C1	♦DDC	51-8
1-578C2	♦DDC	51-11
1D24-250	♦MIA	122-7
1D44-450	♦MIA	122-8
1D84-850	♦MIA	122-9
1E25	ACO	114-3
1E50	ACO	114-4
1NT100	♦ACO	114-5
1NT175	♦ACO	114-6
1S24-2100	♦MIA	122-10
1S44-4100	♦MIA	122-11
1S84-8100	♦MIA	122-12
1.5E25	ACO	114-7
1.5E50	ACO	114-8
1.5E100	ACO	114-9
1.5NT100	♦ACO	114-10
1.5NT175	♦ACO	114-11
2E20	ACO	114-12
2E40	ACO	114-13
2NT100	♦ACO	114-14
2NT175	♦ACO	114-15
3A5R5	♦RLB	122-13
3A5R12-12	♦RLB	122-14
3A5R15-15	♦RLB	122-15
3A12R5	♦RLB	122-16
3A12R12-12	♦RLB	122-17
3A12R15-15	♦RLB	122-18
3A24R5	♦RLB	122-19
3A24R12-12	♦RLB	122-20
3A24R15-15	♦RLB	122-21
3D5R5	♦RLB	122-22
3D5R12-12	♦RLB	122-23
3D5R15-15	♦RLB	122-24
3D12R5	♦RLB	122-25
3D12R12-12	♦RLB	122-26
3D12R15-15	♦RLB	122-27
3D24-2150	♦MIA	122-28
3D24R5	♦RLB	122-29
3D24R12-12	♦RLB	122-30
3D24R15-15	♦RLB	122-31
3D44-4150	♦MIA	122-32
3E25	ACO	114-16
3E50	ACO	114-17
3M5U12-5	♦RLB	122-33
3NT100	♦ACO	114-18
3NT175	♦ACO	114-19
3S5R15-15	♦RLB	122-34
3S12R15-15	♦RLB	122-35
3S24-21600	♦MIA	122-36
3S24R15-15	♦RLB	122-37
3S28R15-15	♦RLB	122-38
3S44-41600	♦MIA	122-39
3W5R5	♦RLB	122-40
3W5R12-12	♦RLB	122-41
3W5R12-5	♦RLB	122-42
3W5R15-15	♦RLB	122-43
3W12R5	♦RLB	122-44
3W12R12-12	♦RLB	122-45
3W12R15-15	♦RLB	122-46
3W24R5	♦RLB	122-47
3W24R12-12	♦RLB	122-48
3W24R15-15	♦RLB	122-49
3W28R5	♦RLB	122-50
3W28R12-12	♦RLB	122-51
3W28R15-15	♦RLB	122-52
3.6E25	ACO	114-20
3.6E50	ACO	114-21
3.6E100	ACO	114-22
3.6NT100	♦ACO	114-23
3.6NT175	♦ACO	114-24
3.6NT300	♦ACO	114-25
4E20	ACO	114-26
4E40	ACO	114-27
4NT100	♦ACO	114-28
4NT175	♦ACO	114-29
5A5R5	♦RLB	122-53
5A5R12-12	♦RLB	122-54
5A5R15-15	♦RLB	122-55
5A12R5	♦RLB	122-56
5A12R12-12	♦RLB	122-57
5A12R15-15	♦RLB	122-58
5A24R5	♦RLB	122-59
5A24R12-12	♦RLB	122-60
5A24R15-15	♦RLB	122-61
5D5R5	♦RLB	122-62
5D5R12-12	♦RLB	122-63
5D5R15-15	♦RLB	122-64
5D12R5	♦RLB	122-65
5D12R12-12	♦RLB	122-66
5D12R15-15	♦RLB	122-67
5D24R5	♦RLB	122-68
5D24R12-12	♦RLB	122-69
5D24R15-15	♦RLB	122-70
5E25	ACO	114-30
5E50	ACO	114-31
5E100	ACO	114-32
5E150	ACO	114-33
5NT100	♦ACO	114-34
5NT200	♦ACO	114-35
5NT400	♦ACO	114-36
5W5R5	♦RLB	122-71
5W5R12-12	♦RLB	122-72

TYPE No.	MFRS	Pg&Line
5W5R15-15	♦RLB	122-73
5W12R5	♦RLB	122-74
5W12R12-12	♦RLB	122-75
5W12R15-15	♦RLB	122-76
5W24R5	♦RLB	122-77
5W24R12-12	♦RLB	122-78
5W24R15-15	♦RLB	122-79
5W28R5	♦RLB	122-80
5W28R12-12	♦RLB	122-81
5W28R15-15	♦RLB	122-82
6E20	ACO	114-37
6E40	ACO	114-38
6E100	ACO	114-39
6NT100	♦ACO	114-40
6NT200	♦ACO	114-41
007A1	♦CPD	49-13
007A2	♦CPD	48-37
007B1	♦CPD	48-43
007C1	♦CPD	49-15
7E17	ACO	114-42
7E34	ACO	114-43
7E90	ACO	114-44
7NT100	♦ACO	114-45
7NT200	♦ACO	114-46
008A1	♦CPD	48-51
008A2	♦CPD	49-16
008B1	♦CPD	49-46
008B2	♦CPD	49-72
008B3	♦CPD	49-88
8E15	ACO	114-47
8E30	ACO	114-48
8E70	ACO	114-49
8NT100	♦ACO	114-50
8NT200	♦ACO	114-51
9E13	ACO	114-52
9E26	ACO	114-53
9E85	ACO	114-54
9NT100	♦ACO	114-55
9NT200	♦ACO	114-56
10E12	ACO	114-57
10E24	ACO	114-58
10E75	ACO	114-59
10NT100	♦ACO	114-60
10NT200	♦ACO	114-61
10W5R12-12	♦RLB	122-83
10W5R15-15	♦RLB	122-84
10W12R5	♦RLB	122-85
10W12R12-12	♦RLB	122-86
10W12R15-15	♦RLB	122-87
10W24R12-12	♦RLB	122-88
10W24R15-15	♦RLB	122-89
11E11	ACO	114-62
11E22	ACO	114-63
11E60	ACO	114-64
12E10	ACO	114-65
12E20	ACO	114-66
12E70	ACO	114-67
12NT100	♦ACO	114-68
12NT200	♦ACO	114-69
13E10	ACO	114-70
13E20	ACO	114-71
13E60	ACO	114-72
14E10	ACO	114-73
14E20	ACO	114-74
14E50	ACO	114-75
14NT100	♦ACO	114-76
14NT200	♦ACO	114-77
15D810-815	♦MIA	122-90
15E10	ACO	114-78
15E20	ACO	114-79
15E60	ACO	114-80
15NT100	♦ACO	114-81
15NT200	♦ACO	114-82
15S85-815	♦MIA	122-91
15T85-815	♦MIA	122-92
16E08	ACO	114-83
16E16	ACO	114-84
16E50	ACO	114-85
16NT100	♦ACO	114-86
16NT200	♦ACO	114-87
17E07	ACO	114-88
17E14	ACO	114-89
17E45	ACO	114-90
18E06	ACO	114-91
18E12	ACO	114-92
18E40	ACO	114-93
18NT100	♦ACO	114-94
18NT200	♦ACO	114-95
19E06	ACO	114-96
19E12	ACO	114-97
19E40	ACO	114-98
20E06	ACO	114-99
20E12	ACO	114-100
20E40	ACO	114-101
20NT100	♦ACO	114-102
21E06	ACO	114-103
21E12	ACO	114-104
21E37	ACO	114-105
22E05	ACO	114-106
22E10	ACO	114-107
22E30	ACO	114-108
22NT100	♦ACO	114-109
23E05	ACO	114-110
23E10	ACO	115-1
23E30	ACO	115-2
24E05	ACO	115-3
24E10	ACO	115-4
24E35	ACO	115-5
24NT100	ACO	115-6
25E05	ACO	115-7
25E10	ACO	115-8
25E32	ACO	115-9
26E04	ACO	115-10
26E08	ACO	115-11

TYPE No.	MFRS	Pg&Line
26E30	ACO	115-12
26NT100	♦ACO	115-13
27E04	ACO	115-14
27E08	ACO	115-15
27E32	ACO	115-16
28E04	ACO	115-17
28E08	ACO	115-18
28E30	ACO	115-19
28NT100	♦ACO	115-20
30E08	ACO	115-21
30NT100	♦ACO	115-22
32E07	ACO	115-23
32NT100	♦ACO	115-24
34E06	ACO	115-25
34NT100	♦ACO	115-26
35E05	ACO	115-27
36E05	ACO	115-28
36NT100	♦ACO	115-29
38E04	ACO	115-30
38NT100	♦ACO	115-31
40E03	ACO	115-32
40E06	ACO	115-33
40J	♦ANA	45-42
40K	♦ANA	45-36
40NT100	♦ACO	115-34
41J	♦ANA	50-99
41K	♦ANA	50-56
41L	♦ANA	50-100
42E03	ACO	115-35
42J	♦ANA	33-70
42K	♦ANA	33-68
42L	♦ANA	33-71
42NT100	♦ACO	115-36
43J	♦ANA	44-95
43K	♦ANA	44-43
44E03	ACO	115-37
44J	♦ANA	40-90
44K	♦ANA	40-72
44NT100	♦ACO	115-38
45E03	ACO	115-39
45J	♦ANA	49-67
45K	♦ANA	49-35
46J	♦ANA	67-89
46K	♦ANA	67-88
46NT100	♦ACO	115-40
47A	♦ANA	40-91
47B	♦ANA	40-35
47S	♦ANA	40-50
47T	♦ANA	40-36
48E03	ACO	115-41
48E05	ACO	115-42
48J	♦ANA	51-45
48K	♦ANA	51-30
48NT100	♦ACO	115-43
50E03	ACO	115-44
50E05	ACO	115-45
50J	♦ANA	77-51
50K	♦ANA	77-52
51A	♦ANA	77-49
51B	♦ANA	77-50
52J	♦ANA	44-31
52K	♦ANA	44-6
55E04	ACO	115-46
60E05	ACO	115-47
65E05	ACO	115-48
70E04	ACO	115-49
75E03	ACO	115-50
78H05KC	♦FSC	79-52
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78L02CS	♦VALG	78-19
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78L05ACS	♦VALG	79-61
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78L05CS	♦VALG	79-62
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78L12ACS	♦VALG	86-38
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78L12CS	♦VALG	86-39
78L15ACDB	♦VALG	88-64
78L15ACS	♦VALG	88-55
78L15CDB	♦VALG	88-65
78L15CS	♦VALG	88-56
78M05CDB	♦VALG	80-37
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78M06DB	♦VALG	82-8
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78M08CU	♦VALG	83-72
78M08DB	♦VALG	83-71
78M12CDB	♦VALG	86-49
78M12CU	♦VALG	86-57
78M12DB	♦VALG	86-50
78M15CDB	♦VALG	88-66
78M15CU	♦VALG	88-83
78M15DB	♦VALG	88-67
78M20CDB	♦VALG	93-95
78M20CU	♦VALG	93-98
78M20DB	♦VALG	93-96
78M24CDB	♦VALG	95-71
78M24CU	♦VALG	95-77
78M24DB	♦VALG	95-72
79MGT1C	♦FSC	89-96
79MGT2C	♦FSC	89-97
79MGT3C	♦FSC	89-98
101#1	♦HBC	109-101
101#2	♦HBC	111-71
103#1	♦HBC	109-102
103#2	♦HBC	111-72
105-1	♦TRA	122-93
106A	♦HBC	111-73

TYPE No.	MFRS	Pg&Line
107A1	♦CPD	48-34
107A2	♦CPD	48-38
107B1	♦CPD	48-44
107C1	♦CPD	49-17
107C	♦HBC	51-21
		109-50
107C-MIL	♦HBC	109-51
108	♦HBC	109-103
108A1	♦CPD	48-52
108A2	♦CPD	49-18
108B1	♦CPD	49-47
108B2	♦CPD	49-73
108B3	♦CPD	49-89
109-1	♦TRA	122-94
110-1	♦TRA	122-95
112-1	♦TRA	122-96
112-2	♦TRA	122-97
115-1	♦TRA	122-98
115-2	♦TRA	122-99
117-2	♦TRA	122-100
118-2	♦TRA	122-101
118A	♦ANA	43-12
118A⧄	CPD	40-33
118B	CPD	40-42
118C	CPD	40-51
118K	♦ANA	42-18
119A	♦ANA	34-24
119K	♦ANA	34-7
120A	♦ANA	54-40
120B	♦ANA	54-39
125A	♦HBC	109-52
125B	♦HBC	109-53
135P2	♦ZEL	54-28
136K2	♦ZEL	64-100
145	♦ZEL	53-2
145-08	♦ZEL	52-110
145L	♦ZEL	53-3
146J	♦ANA	44-54
146K	♦ANA	44-16
147	♦ZEL	52-54
147A	♦ZEL	53-90
147A△	♦ANA	54-59
147B	♦ANA	54-57
147C	♦ANA	54-53
148	♦ZEL	51-90
148C	♦ZEL	51-91
153J	♦ANA	29-52
153K	♦ANA	29-51
163A	♦ANA	64-17
163K	♦ANA	64-16
165A	♦ANA	64-19
165K	♦ANA	64-18
170	♦ZEL	29-101
171J	♦ANA	68-17
171K	♦ANA	68-16
180A	♦ANA	46-61
180B	♦ANA	46-55
180J	♦ANA	46-60
180K	♦ANA	46-56
183J	♦ANA	51-101
183K	♦ANA	51-100
183L	♦ANA	51-97
184J	♦ANA	51-26
184K	♦ANA	51-25
184L	♦ANA	51-24
210	♦ANA	54-36
211	♦ANA	54-37
218A	CPD	40-34
218B	CPD	40-43
218C	CPD	40-52
220B	♦ANA	54-77
220J	♦ANA	54-78
228A	CPD	52-28
228B	CPD	51-84
228C	CPD	52-68
230J	♦ANA	51-92
230K	♦ANA	51-93
230L	♦ANA	51-85
231J	♦ANA	51-23
231K	♦ANA	51-22
232J	♦ANA	43-47
232K	♦ANA	43-45
233J	♦ANA	44-9
233K	♦ANA	43-105
233L	♦ANA	43-94
234J	♦ANA	44-10
234K	♦ANA	43-106
234L	♦ANA	43-95
235J	♦ANA	44-1
235K	♦ANA	43-101
235L	♦ANA	43-93
238A	CPD	51-29
238B	CPD	51-44
238C	CPD	51-49
247A1	♦CPD	48-35
247A2	♦CPD	48-39
247B1	♦CPD	48-45
247C1	♦CPD	49-19
248A1	♦CPD	48-53
248A2	♦CPD	49-20
248B1	♦CPD	49-48
248B2	♦CPD	49-74
248B3	♦CPD	49-90
260J	♦ANA	46-53
260K	♦ANA	46-50
261J	♦ANA	48-31
261K	♦ANA	48-30
272J	♦ANA	67-70
273J	♦ANA	67-71
273K	♦ANA	66-61
274J	♦ANA	66-64
275J	♦ANA	66-60
275K	♦ANA	66-59
275L	♦ANA	66-58

TYPE No.	MFRS	Pg&Line
276J	♦ANA	66-62
277A	♦ANA	67-73
277J	♦ANA	67-74
277K	♦ANA	67-75
279J	♦ANA	66-63
280	♦ANA	111-12
280-1	♦ANA	106-7
282J	♦ANA	30-89
283J	♦ANA	30-90
284J	♦ANA	66-55
285J	♦ANA	67-65
285K	♦ANA	67-64
285L	♦ANA	67-63
301	♦ANA	53-66
302	♦ANA	53-61
303	♦ANA	53-62
310J△	♦ANA	52-77
310J⧄	♦ITI	67-23
310K△	♦ANA	52-74
310K⧄	♦ITI	67-18
310L	♦ITI	67-17
310VF	♦SSE	112-90
311J	♦ANA	52-78
311K	♦ANA	52-75
312J	♦ITI	66-108
312K	♦ITI	66-107
312L	♦ITI	66-105
320	♦OPA	140-54
320VF	♦SSE	112-91
		133-39
325EQ	♦OPA	140-55
325L	♦OPA	141-2
330VF	♦SSE	112-92
		133-40
340VF	♦SSE	112-93
		133-41
350A	♦ANA	102-84
350B	♦ANA	102-83
350C	♦ANA	102-82
350J	♦ITI	43-4
350K	♦ITI	42-19
350L	♦ITI	41-87
360BM	OPA	72-45
360J	♦ITI	46-52
360K	♦ITI	46-49
360M	OPA	72-48
365L	OPA	140-56
370	OPA	140-57
370J	♦ITI	44-7
370K	♦ITI	43-109
370L	♦ITI	43-97
380	OPA	140-58
380J	♦ITI	47-1
380K	♦ITI	46-93
390J	♦ITI	43-110
390K	♦ITI	43-98
391	ZEL	68-15
402A	♦ANA	115-51
403-1	♦TRA	115-52
403-2	♦TRA	115-53
403-301	♦TRA	115-54
403-302	♦TRA	115-55
403-303	♦TRA	115-56
403-304	♦TRA	115-57
403A	♦ANA	115-58
406-1	♦TRA	115-59
406-2	♦TRA	115-60
406-301	♦TRA	115-61
406-302	♦TRA	115-62
406-303	♦TRA	115-63
406-304	♦TRA	115-64
410⧄	SSE	111-90
410-1	♦TRA	115-65
410-2	♦TRA	115-66
410-301	♦TRA	115-67
410-302	♦TRA	115-68
410-303	♦TRA	115-69
410-304	♦TRA	115-70
410KF	SSE	111-93
415	♦OPA	64-69
415-1	♦TRA	115-71
415-2	♦TRA	115-72
415-301	♦TRA	115-73
415-302	♦TRA	115-74
415-303	♦TRA	115-75
415-304	♦TRA	115-76
416#1	♦OPA	53-39
416#2	♦OPA	64-42
416#3	♦OPA	64-77
420	SSE	109-80
		115-77
420⧄	OPA	64-30
420-1	♦TRA	115-78
420-2	♦TRA	115-79
420-301	♦TRA	115-80
420-302	♦TRA	115-81
420-303	♦TRA	115-82
420-304	♦TRA	115-83
420A	♦ANA	109-98
		115-84
420B	♦ANA	109-99
420KF	SSE	111-94
422A	♦ANA	109-73
		115-85
422K	♦ANA	109-74
423⧄	♦OPA	54-85
424J	♦ANA	109-81
424K	♦ANA	109-82
425#1	♦OPA	31-55
425#2	♦OPA	64-40
425J	♦ANA	109-83
425K	♦ANA	109-84
426A#1	♦ANA	109-2
426A#2	♦ANA	111-26

△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

2. TYPE No. CROSS INDEX

TYPE No.	MFRS	Pg&Line
426A#3	♦ANA	110- 10
426K#1	♦ANA	109- 3
426K#2	♦ANA	111- 27
426K#3	♦ANA	110- 11
426L#1	♦ANA	109- 4
426L#2	♦ANA	111- 28
426L#3	♦ANA	110- 12
427J#1	♦ANA	109- 85
427J#2	♦ANA	111- 68
427J#3	♦ANA	110- 31
427K#1	♦ANA	109- 86
427K#2	♦ANA	111- 69
427K#3	♦ANA	110- 32
428J#1	♦ANA	109- 5
428J#2	♦ANA	111- 29
428J#3	♦ANA	110- 13
428K#1	♦ANA	109- 6
428K#2	♦ANA	111- 30
428K#3	♦ANA	110- 14
429A	♦ANA	109- 75
429B	♦ANA	109- 76
430⧄	SSE	111- 91
430KF	SSE	111- 95
432	OPA	64- 76 72- 69
432J#1	♦ANA	108-102
432J#2	♦ANA	111- 24
432J#3	♦ANA	110- 8
432K#1	♦ANA	108-103
432K#2	♦ANA	111- 25
432K#3	♦ANA	110- 9
433	♦OPA	31- 67
433B	♦ANA	133- 42
433J	♦ANA	133- 43
434	♦OPA	31- 68
434A	♦ANA	111- 57
434B	♦ANA	111- 58
435#1	♦CPD ♦OPA	31- 56 109- 66
435#2	♦CPD ♦OPA	64- 41 111- 59
435#3	♦CPD	110- 72
435J	♦ANA	109- 54
435K	♦ANA	109- 55
436A	♦ANA	109- 60
436B	♦ANA	109- 61
440⧄	SSE	111- 92
440J	♦ANA	110- 73
440K	♦ANA	110- 74
440KF	SSE	111- 96
440KR#1	♦OPA	53- 40
440KR#2	♦OPA	64- 43
440KR#3	♦OPA	64- 78
441J	♦ANA	110- 75
441K	♦ANA	110- 76
442J	♦ANA	110- 84
442K	♦ANA	110- 85
442L	♦ANA	110- 86
450J	♦ANA	112- 95
450K	♦ANA	112- 96
450KF	SSE	111- 97
451J	♦ANA	111-101
451K	♦ANA	111-102
451L	♦ANA	111-103
452J	♦ANA	113- 3
452K	♦ANA	113- 4
452L	♦ANA	113- 5
453J	♦ANA	111-104
453K	♦ANA	111-105
453L	♦ANA	111-106
454J	♦ANA	112- 97
454K	♦ANA	112- 98
456J	♦ANA	112- 99
456K	♦ANA	112-100
460KF	SSE	111- 98
470KF	SSE	111- 99
480KF	SSE	111-100
501A	♦ANA	51- 50
501B	♦ANA	51- 32
501C	♦ANA	51- 33
510A/25	♦BUB	122-102
515	♦OPA	115- 86
524△	♦OPA	115- 87
527	♦BUB	115- 88
527E	♦BUB	115- 89
527F	♦BUB	115- 90
527H	♦BUB	115- 91
528	♦BUB	122-103
528△	♦OPA	115- 92
530	♦ITI	108- 46
531	♦ITI	108- 47
540J	♦ITI	111- 60
540K	♦ITI	111- 61
540L	♦ITI	111- 62
546	♦BUB	122-104
550△	♦BUB	115- 93
550⧄	♦ITI	109- 89
550E	♦BUB	115- 94
550F	♦BUB	115- 95
550H	♦BUB	115- 96
551△	♦BUB	115- 97
551⧄	♦ITI	109- 90
551E	♦BUB	115- 98
551H	♦BUB	115- 99
552	♦BUB SPR	115-100
552E	♦BUB	115-101
552F	♦BUB	115-102
552H	♦BUB	115-103
553	♦BUB	115-104
553E	♦BUB	115-105
553F	♦BUB	115-106
553H	♦BUB	115-107
560△	♦BUB	115-108

TYPE No.	MFRS	Pg&Line
560⧄	♦ITI	109- 94
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560F	♦BUB	115-110
560H	♦BUB	116- 1
561	♦BUB	116- 2
561E	♦BUB	116- 3
561F	♦BUB	116- 4
561H	♦BUB	116- 5
562	♦BUB	116- 6
562E	♦BUB	116- 7
562F	♦BUB	116- 8
562H	♦BUB	116- 9
570	♦BUB	113- 36 116- 10
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591	♦ITI	110- 69
592	♦ITI	110- 77
602J10	♦ANA	67- 97
602J100	♦ANA	67- 96
602K100	♦ANA	67- 95
603J	♦ANA	67- 54
603K	♦ANA	67- 53
603L	♦ANA	67- 48
605J	♦ANA	48- 40
605K	♦ANA	48- 33
605L	♦ANA	48- 32
606J	♦ANA	66-102
606K	♦ANA	66-101
606L	♦ANA	66-100
606M	♦ANA	66- 99
610J	♦ANA	66-106
610K	♦ANA	66-104
610L	♦ANA	66-103
700	♦BUB	122-105
700M	♦BUB	122-106
700U	♦BUB	122-107
700UM	♦BUB	122-108
710	♦ITI	116- 11
710△	♦BUB	122-109
711	♦ITI	116- 12
712	♦ITI	116- 13
720	♦ITI	116- 14
721	♦ITI	116- 15
733DC	♦INL	74- 81
733DM	♦INL	74- 83
733HC	♦INL	74- 82
733HM	♦INL	74- 84
751N	♦ANA	133- 34
751P	♦ANA	133- 35
752N	♦ANA	108- 32
752P	♦ANA	108- 33
755N	♦ANA	108- 42
755P	♦ANA	108- 43
756N	♦ANA	108- 30
756P	♦ANA	108- 31
757N	♦ANA	108- 48
757P	♦ANA	108- 49
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770-401-102	ZEL	72- 24
770-401-105	ZEL	72- 26
770-401-110	ZEL	72- 28
770-401-120	ZEL	72- 30
770-401-150	ZEL	72- 32
770-401-201	ZEL	72- 23
770-401-202	ZEL	72- 25
770-401-205	ZEL	72- 27
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770-401-220	ZEL	72- 31
770-401-250	ZEL	72- 33
770-401-301	ZEL	67-108
770-401-302	ZEL	67-109
770-401-305	ZEL	67-110
770-401-310	ZEL	68- 1
770-401-320	ZEL	68- 2
770-401-350	ZEL	68- 3
770-406-1	ZEL	108- 7
770-406-2	ZEL	108- 8
770-406-3	ZEL	108- 9
770-440-1	ZEL	68- 4
770-440-2-100	ZEL	68- 8
770-440-2-1000	♦ZEL	68- 5
770-440-2-200	ZEL	68- 7
770-440-2-50	ZEL	68- 9
770-440-2-500	ZEL	68- 6
770-501	ZEL	84- 31
770-724	♦ZEL	105- 51
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801V15	♦BEC	87-104
802	♦BEC	87-105
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809V9	♦BEC	84- 7
809V12	♦BEC	86-106
809V15	♦BEC	89- 32
822	♦BEC	108- 6
823	♦BEC	108- 10
833-21	♦BEC	30- 44
833-21C	♦BEC	30- 46
840-T1	♦BEC	135- 94
840-T2	♦BEC	135- 95
851V15	♦BEC	87-102
852	♦BEC	87-103
859V5	♦BEC	80- 92
859V12	♦BEC	87- 1
859V15	♦BEC	89- 33
881	♦BEC	145- 21
883-1	♦BEC	145- 22
883-2	♦BEC	145- 23
883-3	♦BEC	145- 24
883-4	♦BEC	145- 25

TYPE No.	MFRS	Pg&Line
883-5	♦BEC	142- 43
883-6	♦BEC	145- 26
883-7	♦BEC	145- 27
883-8	♦BEC	145- 28
883-9	♦BEC	145- 29
883-12	♦BEC	145- 30
883-13	♦BEC	145- 31
883-14	♦BEC	145- 32
883-16	♦BEC	145- 33
902	♦ANA	116- 16
902-2	♦ANA	116- 17
903	♦ANA	116- 18
904	♦ANA	116- 19
905	♦ANA	116- 20
906	♦ANA	116- 21
907	♦ANA	116- 22
908	♦ANA	116- 23
909	♦ANA	116- 24
915	♦ANA	116- 25
920	♦ANA	64- 38 116- 26
921	♦ANA	116- 27
922	♦ANA	116- 28
925	♦ANA	116- 29
931	♦ANA	116- 30
932	♦ANA	116- 31
933	♦ANA	116- 32
934	♦ANA	116- 33
935	♦ANA	116- 34
940	♦ANA	122-110
941	♦ANA	123- 1
942	♦ANA	123- 2
943	♦ANA	123- 3
944	♦ANA	123- 4
945	♦ANA	123- 5
946	♦ANA	55- 21 123- 6
952	♦ANA	116- 35
955	♦ANA	116- 36
970	♦ANA	116- 37
971	♦ANA	116- 38
1005	♦TRA	64- 47 123- 7
1006	♦TRA	29- 53 123- 8
1007	♦TRA	123- 9
1008	♦TRA	52- 61 123- 10
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1012-1	♦TRA	123- 14
1012-2	♦TRA	123- 15
1012-3	♦TRA	123- 16
1015-1	♦TRA	123- 17
1015-2	♦TRA	123- 18
1015-3	♦TRA	123- 19
1017	♦TPN	53- 91
1018-1	♦TRA	123- 20
1018-2	♦TRA	123- 21
1020	♦TPN	53- 11
1020-01	♦TPN	53- 6
1020-1	♦TRA	123- 22
1020-02	♦TPN	53- 4
1020-2	♦TRA	123- 23
1020-03	♦TPN	53- 1
1021	♦TPN	44- 97
1022	♦TPN	64- 95
1023	♦TPN	46- 72
1023-01	♦TPN	46- 64
1024	♦TPN	51- 31
1024-1	♦TRA	123- 24
1024-2	♦TRA	123- 25
1025	♦TPN	55- 13
1026	♦TPN	52- 69
1026-01	♦TPN	52- 53
1027	♦TPN	53- 34
1027-01	♦TPN	53- 24
1028	♦TPN	44- 92
1030	♦TPN	54- 41
1032	♦TPN	64- 96
1034	♦TPN	64- 46
1034-01	♦TPN	64- 45
1035	♦TPN	39- 41
1035-02	♦TPN	39- 16
1036	♦TPN	44- 69
1036-20	♦TPN	44- 70
1037	♦TPN	64- 97
1037-20	♦TPN	64- 98
1103	♦TRA	123- 26
1105	♦TRA	123- 27
1106	♦TRA	123- 28
1107	♦TRA	123- 29
1108	♦TRA	123- 30
1109	♦TRA	123- 31
1110-1	♦TRA	123- 32
1110-2	♦TRA	123- 33
1112-1	♦TRA	123- 34
1112-2	♦TRA	123- 35
1115-1	♦TRA	123- 36
1115-2	♦TRA	123- 37
1118-1	♦TRA	123- 38
1118-2	♦TRA	123- 39
1120	♦DMC	43- 13
1120-1	♦TRA	123- 40
1120-2	♦TRA	123- 41
1121	♦DMC	42- 98
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1200	♦DTL	123- 44
1205-1	♦TRA	123- 45
1205-2	♦TRA	123- 46
1206-1	♦TRA	123- 47

TYPE No.	MFRS	Pg&Line
1207-1	♦TRA	123- 48
1208-1	♦TRA	123- 49
1209-1	♦TRA	123- 50
1210-1	♦TRA	123- 51
1210-2	♦TRA	123- 52
1212-1	♦TRA	123- 53
1212-2	♦TRA	123- 54
1212-3	♦TRA	123- 55
1215-1	♦TRA	123- 56
1215-2	♦TRA	123- 57
1215-3	♦TRA	123- 58
1218-1	♦TRA	123- 59
1218-2	♦TRA	123- 60
1220-1	♦TRA	123- 61
1220-2	♦TRA	123- 62
1224-1	♦TRA	123- 63
1224-2	♦TRA	123- 64
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1240	♦EELC	72- 19
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1305⧄	♦TRA	123- 68
1306⧄	♦TRA	123- 69
1307⧄	♦TRA	123- 70
1308	♦TRA	123- 71
1309	♦TRA	123- 72
1310-1	♦TRA	123- 73
1310-2	♦TRA	123- 74
1312	♦DMC	67- 38
1312-1	♦TRA	123- 75
1312-2	♦TRA	123- 76
1312-3	♦TRA	123- 77
1313	♦DMC	67- 37
1315-1	♦TRA	123- 78
1315-2	♦TRA	123- 79
1315-3	♦TRA	123- 80
1318-1	♦TRA	123- 81
1318-2	♦TRA	123- 82
1319	♦TPN	39- 42
1319-01	♦TPN	39- 17
1320-1	♦TRA	123- 83
1320-2	♦TRA	123- 84
1321	♦TPN	43- 21
1321-01	♦TPN	43- 22
1322	♦TPN	47- 11
1322-01	♦TPN	52- 80
1323	♦TPN	31-107
1323-01	♦TPN	31-105
1323-02	♦TPN	31-106
1324-1	♦TRA	123- 85
1324-2	♦TRA	123- 86
1332	♦TPN	64- 86
1339	♦TPN	49- 34
1339-01	♦TPN	49- 10
1339-02	♦TPN	48- 73
1340	♦TPN	43- 99
1421	♦TPN	40- 97
1421-01	♦TPN	40- 98
1421-02	♦TPN	40- 88
1424	♦TPN	40- 8
1425	♦TPN	40- 94
1425-01	♦TPN	40- 83
1425-02	♦TPN	40- 69
1426	♦TPN	40- 95
1426-01	♦TPN	40- 84
1426-02	♦TPN	40- 70
1426-03	♦TPN	40- 60
1430	♦TPN	54- 93
1433	♦TPN	47- 28
1433-01	♦TPN	47- 19
1434	♦TPN	51- 7
1434-01	♦TPN	50-104
1435	♦TPN	54-105
1435-83	♦TPN	54-106
1439	MDI ♦TPN	47- 23
1490	MDI	106- 49
1520	♦DMC	53- 57
1521	♦DMC	53- 49
1522	♦DMC	53- 42
1527	MDI	64-101
1550	♦DMC	53- 58
1551	♦DMC	53- 50
1560	♦DMC	53- 53
1561	♦DMC	53- 45
1570	♦DMC	53- 59
1571	♦DMC	53- 51
1572	♦DMC	53- 43
1580	♦DMC	53- 54
1581	♦DMC	53- 46
1590	♦DMC	53- 55
1591	♦DMC	53- 47
1600	♦DMC	54- 16
1601	♦DMC	54- 13
1603	♦TRA	123- 87
1605	♦TRA	123- 88
1606	♦TRA	123- 89
1607	♦TRA	123- 90
1608	♦TRA	123- 91
1609	♦TRA	123- 92
1610	♦DMC	54- 17
1610-1	♦TRA	123- 93
1610-2	♦TRA	123- 94
1611	♦DMC	54- 14
1612-1	♦TRA	123- 95
1612-2	♦TRA	123- 96
1612-3	♦TRA	123- 97
1614	MDI	49- 36
1615-1	♦TRA	123- 98

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1616	MDI	44- 74
1617	MDI	33- 67
1618-1	♦TRA	123-101
1618-2	♦TRA	123-102
1619	MDI	51- 46
1620	♦DMC MDI	53- 86 106- 60
1620-1	♦TRA	123-103
1620-2	♦TRA	123-104
1621	♦DMC	53- 84
1622	♦DMC	53- 81
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1624-2	♦TRA	123-106
1630	♦DMC	52- 62
1631	♦DMC	52- 55
1672	MDI	53- 92
1682	MDI	64- 39
1701	♦TPN	38- 74
1701-01	♦TPN	38- 73
1702	♦TPN	52- 79
1702-01	♦TPN	52- 76
1703	♦TPN	44- 8
1703-01	♦TPN	43-104
1710	♦DMC	46- 85
1711	♦DMC	46- 68
1712	♦DMC	46- 62
1717	MDI	54- 87
1720	♦DMC	31- 29
1721	♦DMC	46- 69
1722	♦DMC	46- 63
1725	MDI	49- 68
1726	MDI	53- 9
1727	MDI	64- 89
1731	MDI	53- 87 71- 93
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1732	MDI	48- 36
1740	♦DMC	64- 25
1741	♦DMC	64- 24
1755	MDI	47- 44
1757	MDI	64- 37 72- 47
1761	MDI	53- 8
1762	MDI	53- 5
1772	MDI	49- 69
1784	♦MDI	116- 39
1787	MDI	53- 93
1788	MDI	64- 64
1791	MDI	64- 44
1800	♦DMC	64- 67
1801	♦DMC	64- 65
1810	♦DMC	64- 68
1811	♦DMC	64- 66
1820	MDI	53- 94
1821	MDI	67- 51
1841	MDI	49- 11
1842	MDI	48- 41
1843	MDI	67- 41
1849	MDI	43- 15
1859	MDI	54- 38
1861	MDI	67- 49
1894	MDI	67- 90
1895	MDI	67- 55
1896	♦MDI	108- 59
1915	MDI	68- 14
1957	MDI	64- 94
1957-2	♦MDI	64-102
2043	MDI	64- 70
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2117	MDI	53- 33
2118	MDI	53- 28
2119	MDI	53- 16
2203	♦TPN	116- 40
2204	♦TPN	116- 41
2206	♦TPN	116- 42
2208	♦TPN	116- 43
2208-21	♦TPN	116- 44
2209	♦TPN	116- 45
2209-21	♦TPN	116- 46
2210	♦TPN	116- 47
2210-21	♦TPN	116- 48
2211	♦TPN	116- 49
2211-21	♦TPN	116- 50
2212	♦TPN	116- 51
2212-21	♦TPN	116- 52
2213	♦TPN	116- 53
2213-21	♦TPN	116- 54
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2217	♦TPN	116- 59
2217-21	♦TPN	116- 60
2218	♦TPN	116- 61
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2223	♦TPN	116- 63
2223-21	♦TPN	116- 64
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2230-21	♦TPN	116- 66
2231	♦TPN	116- 67
2231-21	♦TPN	116- 68
2232	♦TPN	116- 69
2232-21	♦TPN	116- 70
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2235-21	♦TPN	116- 72
2242	♦TPN	116- 73
2242-21	♦TPN	116- 74
2243	♦TPN	116- 75
2243-21	♦TPN	116- 76
2301	♦TPN	123-107
2302	♦TPN	123-108

△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

2. TYPE No. CROSS INDEX

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2331	♦TPN	123-109
2344	MDI	64- 82
2358	MDI	64- 5
2359	MDI	64- 6
2403	♦TPN	116- 77
2403-21	♦TPN	116- 78
2406	♦TPN	116- 79
2406-21	♦TPN	116- 80
2413	♦TPN	116- 81
2413-21	♦TPN	116- 82
2415	♦TPN	116- 83
2415-21	♦TPN	116- 84
2419	♦TPN	116- 85
2419-21	♦TPN	116- 86
2423	♦TPN	116- 87
2423-21	♦TPN	116- 88
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2540	♦OEI	108- 64
2910	♦OEI	108- 60
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3002	SSE	48- 3
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3025-48	♦TRA	124- 1
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3040	♦ITI	133- 47
3041	♦ITI	133- 48
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3053/01	♦BUB	53- 31
3054/01	♦BUB	46- 75
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3056/01	♦BUB	53- 18
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3292/14	♦BUB	51- 94
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3351	♦OEI	133- 51
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3378	♦OEI	112-103
3382	♦OEI	112- 2
3383	♦OEI	112- 3
3400A	♦BUB	54- 94
3400B	♦BUB	54- 91
3401A	♦BUB	53- 95
3401B	♦BUB	53- 88
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3440K	♦BUB	44- 3
3440L	♦BUB	43-102
3450	♦BUB	54- 18
3451	♦BUB	54- 21
3452	♦BUB	54- 19
3455	♦BUB	54- 20
3456A	♦BUB	67- 77
3456B	♦BUB	67- 76
3480J	♦BUB	46- 54
3480K	♦BUB	46- 51
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3500AN	♦BUB	39- 34
3500B	♦BUB	38- 93
3500BN	♦BUB	38- 94
3500C	♦BUB	38- 85
3500CN	♦BUB	38- 86
3500E	♦BUB	38- 79
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3500T	♦BUB	38- 92
3501A	♦BUB	67-104
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3501C	♦BUB	67-101
3501R	♦BUB	67-105
3501S	♦BUB	67-103
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3503B	♦BUB	47- 7
	INL	
3503C	INL	47- 24
3503R	♦BUB	47- 30
3503S	♦BUB	47- 8
3505J	♦BUB	46-102
3506J	♦BUB	43- 14
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3510CM	♦BUB	34- 45
3510SM	♦BUB	34- 47
3521H	♦BUB	42- 99
3521J	♦BUB	42- 20
3521K	♦BUB	41-106
3521L	♦BUB	41- 98
3521R	♦BUB	42- 21
3522J	♦BUB	62- 18
3522K	♦BUB	62- 15
3522L	♦BUB	62- 16
3522S	♦BUB	62- 17
3523J	♦BUB	49- 75
3523K	♦BUB	49- 44
3523L	♦BUB	49- 45
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3527BM	♦BUB	34- 95
3527CM	♦BUB	34- 94
3540J	♦BUB	47- 31
3542J	♦BUB	62- 19
3542S	♦BUB	62- 20
3550J	♦BUB	52- 91
3550K	♦BUB	52- 92
3550S	♦BUB	52- 93
3551J	♦BUB	52- 94
3551S	♦BUB	52- 95
3553AM	♦BUB	67- 62
3554AM	♦BUB	55- 5
3554BM	♦BUB	55- 2
3554SM	♦BUB	55- 4
3571AM	♦BUB	64- 73
3572AM	♦BUB	64- 74
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3583AM	♦BUB	64-107
3583JM	♦BUB	64-108
3584JM	♦BUB	64-106
3620J	♦BUB	67- 69
3620K	♦BUB	67- 68
3620L	♦BUB	67- 67
3625C	BUB	67-100
3626AP	♦BUB	67- 27
3626BP	♦BUB	67- 24
3626CP	♦BUB	67- 19
3627AM	♦BUB	66- 98
3627BM	♦BUB	66- 97
3629AM	♦BUB	67- 45
3629AP	♦BUB	67- 46
3629BM	♦BUB	67- 42
3629BP	♦BUB	67- 43
3629CM	♦BUB	67- 39
3629CP	♦BUB	67- 40
3629SM	♦BUB	67- 44
3650HG#	♦BUB	67- 31
3650JG#	♦BUB	67- 28
3650KG#	♦BUB	67- 25
3652JG#	♦BUB	67- 30
3660J	♦BUB	67- 29
3660K	♦BUB	67- 21
3660S	♦BUB	67- 22
3662JP	♦BUB	67- 26
3662KP	♦BUB	67- 20
3670J	♦BUB	67- 35
3670K	♦BUB	67- 32
3670S	♦BUB	67- 33
3910	♦OEI	112- 10
3930	♦OEI	113- 2
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4009#2	♦OPA	64- 22
4009#3	♦OPA	64- 75
4023-25	♦BUB	111- 16
4025-1	♦TRA	116- 91
4025-3	♦TRA	116- 92
4032-12C	♦BUB	105- 34
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4046BDM	♦FSC	144- 44
4046BFC	♦FSC	144- 45
4046BFM	♦FSC	144- 46
4046BPC	♦FSC	144- 47
4046BPM	♦FSC	144- 48
4050-1	♦TRA	116- 93
4050-3	♦TRA	116- 94
4050-3-302	♦TRA	116- 95
4050-3-304	♦TRA	116- 96
4082-03	♦BUB	105- 33
4095-15	♦BUB	109- 78
4096-15	♦BUB	109- 79
4100-1	♦TRA	116- 97
4100-3	♦TRA	116- 98
4100-3-301	♦TRA	116- 99
4100-3-302	♦TRA	116-100
4100-3-303	♦TRA	116-101
4100-3-304	♦TRA	116-102
4115-04	♦BUB	133- 52
4127JG	♦BUB	108- 61
4127KG	♦BUB	108- 62
4128	♦BUB	133- 53
4130J	♦BUB	110-105
4130K	♦BUB	110-106
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		109-100
		116-103
4200-3	♦TRA	116-104
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4203J	♦BUB	109- 62
4203K	♦BUB	109- 63
4203S	♦BUB	109- 64
4203SQ	BUB	109- 65
4204J	♦BUB	109- 68
4204K	♦BUB	109- 69
4204S	♦BUB	109- 70

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4205K	♦BUB	108-105
4205S	♦BUB	108-106
4206J	♦BUB	109- 71
4206K	♦BUB	109- 72
4253	♦TPN	67- 72
4290	♦BUB	111- 70
4291H	♦BUB	111- 65
4291J	♦BUB	111- 66
4291K	♦BUB	111- 67
4301	♦BUB	133- 54
4302	♦BUB	110- 78
4340	♦BUB	133- 55
4341	♦BUB	111-107
4350	♦TPN	108- 55
4351	♦TPN	108- 56
4352	♦TPN	110- 87
4356	♦TPN	108- 50
4357	♦TPN	108- 14
4358	♦TPN	108- 15
4362	♦TPN	108- 44
4363	♦TPN	108- 45
4366	♦TPN	108- 51
4367	♦TPN	108- 52
4370	♦TPN	110- 33
4371	♦TPN	110- 88
4371-01	♦TPN	110- 89
4423	♦BUB	110-107
4450	♦TPN	109- 13
4452	♦TPN	109- 7
4454	♦TPN	108- 92
4455	♦TPN	108- 93
4456	♦TPN	109- 57
4457	♦TPN	109- 58
4701	♦TPN	112-105
4702	♦TPN	112- 4
4703	♦TPN	113- 23
4704	♦TPN	112- 11
4705	♦TPN	113- 24
4705-01	♦TPN	113- 25
4706	♦TPN	112- 22
4706-02	♦TPN	111- 74
4707	♦TPN	113- 32
4707-01	♦TPN	112- 27
4707-02	♦TPN	112- 28
4708	♦TPN	112- 8
4708-03	♦TPN	112- 7
4709	♦TPN	113- 6
4709-01	♦TPN	113- 7
4709-02	♦TPN	113- 8
4710	♦TPN	112- 9
4711	♦TPN	112- 94
4713	♦TPN	112-106
4714	♦TPN	112- 5
4715	♦TPN	113- 9
4715-01	♦TPN	113- 10
4715-02	♦TPN	113- 11
4715-03	♦TPN	113- 12
4721	♦TPN	113- 13
4722	♦TPN	111-110
4723	♦TPN	113- 14
4725	♦TPN	112-107
4820	♦MDI	71-104
5040	♦OEI	110- 71
5050	♦OEI	109- 91
5070	♦EELC	72- 65
		110- 79
5070A	♦EELC	72- 66
5090	♦OEI	110-104
5100	♦MDI	71- 99
5889	♦OEI	110-102
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6210	♦OEI	110- 97
6220	♦OEI	110-103
6230	♦OEI	110-101
6280	♦OEI	137- 34
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7805CU	♦VALG	80- 44
7805DA	♦VALG	80- 58
7806CDA	♦VALG	82- 16
7806CU	♦VALG	82- 10
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7808CU	♦VALG	83- 73
7808DA	♦VALG	83- 80
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7812CU	♦VALG	86- 58
7812DA	♦VALG	86- 70
7815CDA	♦VALG	88- 90
7815CU	♦VALG	88- 84
7815DA	♦VALG	88- 91
7818CDA	♦VALG	91- 39
7818CU	♦VALG	91- 28
7818DA	♦VALG	91- 40
7824CDA	♦VALG	95- 86
7824CU	♦VALG	95- 78
7824DA	♦VALG	95- 87
8001	♦DMC	112- 66
8002	♦DMC	112- 67
8003	♦DMC	112- 68
8004	♦DMC	112- 69
8005	♦DMC	112- 70
8006	♦DMC	112- 71
8007	♦DMC	112- 72
8008	♦DMC	112- 73
8010	♦DMC	113- 57
8011	♦DMC	113- 58
8012	♦DMC	113- 59
8110	♦DMC	113- 37
8111	♦DMC	113- 38
8112	♦DMC	113- 39
8113	♦DMC	113- 16
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8201	♦DMC	112- 85
8202	♦DMC	112- 86
8210	♦DMC	112- 87
8211	♦DMC	112- 88
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8221	♦DMC	112- 79
8222	♦DMC	112- 80
8230	♦DMC	112- 81
8231	♦DMC	112- 82
8232	♦DMC	112- 83
8300	♦DMC	113- 41
8301	♦DMC	113- 42
8302	♦DMC	113- 43
8310	♦DMC	113- 44
8311	♦DMC	113- 45
8312	♦DMC	113- 46
8320	♦DMC	113- 47
8321	♦DMC	113- 48
8322	♦DMC	113- 49
8400	♦OEI	116-106
8410Δ	♦DMC	113- 28
8411	♦DMC	113- 29
8412	♦DMC	113- 30
8430	♦OEI	116-107
8510	♦DMC	112- 74
8511	♦DMC	112- 75
8520	♦DMC	112- 76
8521	♦DMC	112- 77
8530	♦DMC	113- 60
8531	♦DMC	113- 72
8532	♦DMC	113- 61
8533	♦DMC	113- 73
8534	♦DMC	113- 62
8535	♦DMC	113- 74
8536	♦DMC	113- 63
8537	♦DMC	113- 75
8540	♦DMC	113- 64
8541	♦DMC	113- 76
8542	♦DMC	113- 65
8543	♦DMC	113- 77
8544	♦DMC	113- 66
8545	♦DMC	113- 78
8546	♦DMC	113- 67
8547	♦DMC	113- 79
8550	♦DMC	113- 68
8551	♦DMC	113- 80
8552	♦DMC	113- 69
8553	♦DMC	113- 81
8554	♦DMC	113- 70
8555	♦DMC	113- 82
8556	♦DMC	113- 71
8557	♦DMC	113- 83
8610	♦DMC	113- 33
8611	♦DMC	113- 34
8612	♦DMC	113- 35
9001Δ	♦DMC	112- 58
9002	♦DMC	112- 59
9003	♦DMC	112- 60
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		133- 56
9007	♦DMC	67- 58
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9008	♦OEI	133- 57
9008Δ	♦DMC	112- 65
9010	♦DMC	112- 12
9011	♦DMC	112- 13
9012	♦DMC	112- 14
9014	♦OEI	110- 70
9018	♦OEI	133- 58
9028	♦OEI	133- 59
9050	♦OEI	105- 35
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9111	♦DMC	112- 16
9112	♦DMC	112- 17
9200	♦DMC	112- 18
9201	♦DMC	112- 19
9202	♦DMC	112- 20
9406	♦OEI	54- 48
9412	♦OEI	55- 7
9491A	♦OEI	53- 38
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9511	♦DMC	111- 87
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9521	♦DMC	111- 89
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9525-28-2	♦TRA	124- 8
9525-28-301	♦TRA	124- 9
9525-28-302	♦TRA	124- 10
9525-28-303	♦TRA	124- 11
9525-28-304	♦TRA	124- 12
9525-28-305	♦TRA	124- 13
9525-28-306	♦TRA	124- 14
9525-48-1	♦TRA	124- 15
9525-48-2	♦TRA	124- 16
9525-48-301	♦TRA	124- 17
9525-48-302	♦TRA	124- 18
9525-48-303	♦TRA	124- 19
9525-48-304	♦TRA	124- 20
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line	TYPE No.	MFRS	Pg&Line
A233	♦ITI	44-2	ACF7383C1209	♦GIC	145-76	AD530JH#1	♦ANA	109-42	AD2700U-883	♦ANA	135-105	AM747DM	♦AMV	36-8
A240	♦ITI	43-91	ACF7383C1300	♦GIC	145-77	AD530JH#2	♦ANA	110-25	AD2701L	♦ANA	135-106	AM747FM	♦AMV	36-9
A241	♦ITI	43-90	ACF7383C1336	♦GIC	145-78	AD530JH#3	♦ANA	111-51	AD2701U	♦ANA	135-107	AM747HC	♦AMV	37-7
A245	♦ITI	43-92	ACF7383C1477	♦GIC	145-79	AD530KD#1	♦ANA	109-15	AD2701U-883	♦ANA	135-108	AM747HM	♦AMV	36-10
A261J	♦ITI	43-107	ACF7383C1500	♦GIC	145-80	AD530KD#2	♦ANA	110-16	AD2702L	♦ANA	135-109	AM748DC	♦AMV	37-8
A261K	♦ITI	43-96	ACF7383C1633	♦GIC	145-81	AD530KD#3	♦ANA	111-32	AD2702U	♦ANA	135-110	AM748DM	♦AMV	36-11
A300	♦ITI	65-1	ACF7383C1700	♦GIC	145-82	AD530KH#1	♦ANA	109-43	AD2702U-883	♦ANA	136-1	AM748FM	♦AMV	36-12
A301	♦ITI	64-109	AD0042C	♦ANA	43-16	AD530KH#2	♦ANA	110-26	AD3542J	♦ANA	43-30	AM748HC	♦AMV	37-9
A302	♦ITI	65-2	AD101AH	♦ANA	39-18	AD530KH#3	♦ANA	111-52	AD8007C	♦ANA	47-32	AM748HM	♦AMV	36-13
A303	♦ITI	64-110	AD108AH	ANA	32-82	AD530LD#1	♦ANA	109-44	ADM501A	♦ANA	51-52	AM1500DC	♦AMV	104-71
A401	♦ITI	108-4	AD108H	♦ANA	32-90	AD530LD#2	♦ANA	110-27	ADM501B	♦ANA	51-36	AM1500DL	♦AMV	102-85
A403	♦ITI	108-12	AD111	♦ANA	105-36	AD530LD#3	♦ANA	111-53	ADM501C	♦ANA	51-37	AM1500DM	♦AMV	102-86
A440	♦ITI	54-92	AD201AH	♦ANA	39-19	AD530LH#1	♦ANA	109-45	ADO19	♦ITI	49-86	AM1500FM	♦AMV	102-87
A503	♦INT	55-3	AD201AN	♦ANA	40-37	AD530LH#2	♦ANA	110-28	ADO26B	♦ITI	50-36	AM1660HC	AMV	32-96
A504	♦INT	54-110	AD208AH	ANA	32-83	AD530LH#3	♦ANA	111-54	ADO27B	♦ITI	50-45	AMLM101	♦AMV	58-16
A520	♦INT	54-15	AD208H	♦ANA	32-91	AD530SD#1	♦ANA	109-46	ADO29B	♦ITI	51-1	AMLM101A	♦AMV	58-25
A521	♦INT	54-12	AD211	♦ANA	105-37	AD530SD#2	♦ANA	110-29	ADO32	♦ITI	50-97	AMLM101AD	♦AMV	58-26
A522	♦INT	54-11	AD301AH	♦ANA	39-53	AD530SD#3	♦ANA	111-55	ADO39	♦ITI	32-29	AMLM101AF	♦AMV	58-27
A560	♦INT	43-23	AD301ALH	♦ANA	38-90	AD530SH#1	♦ANA	109-47	ADO44	♦ITI	34-25	AMLM101D	♦AMV	58-17
A561	♦INT	38-104	AD301ALN	♦ANA	38-91	AD530SH#2	♦ANA	110-30	ADO45	♦ITI	34-23	AMLM101F	♦AMV	58-18
A570	♦INT	40-59	AD301AN	♦ANA	54-6	AD530SH#3	♦ANA	111-56	ADO60	♦ITI	53-97	AMLM105	♦AMV	94-50
A600	♦ITI	133-60	AD308AH	ANA	32-103	AD531JD#1	♦ANA	109-38	ADO72A	♦ITI	46-58	AMLM105F	♦AMV	94-51
A601	♦ITI	133-61	AD308H	♦ANA	33-38	AD531JD#2	♦ANA	111-47	ADO72B	♦ITI	46-59	AMLM106	♦AMV	102-13
A602	♦ITI	133-62	AD311#1	♦ANA	105-39	AD531KD#1	♦ANA	109-39	ADP501A	♦ANA	51-53	AMLM106F	♦AMV	102-14
A701	♦ITI	109-92	AD311#2	♦ANA	105-40	AD531KD#2	♦ANA	111-48	ADP501B	♦ANA	51-38	AMLM107	♦AMV	60-74
A702	♦ITI	109-93	AD351J	♦ANA	102-60	AD531LD#1	♦ANA	109-40	ADP501C	♦ANA	51-39	AMLM107D	♦AMV	60-75
A730	♦ITI	108-53	AD351K	♦ANA	102-58	AD531LD#2	♦ANA	111-49	ADP511A	♦ANA	64-15	AMLM107F	♦AMV	60-76
A731	♦ITI	108-54	AD351S	♦ANA	102-59	AD531SD#1	♦ANA	109-41	ADP511B	♦ANA	64-12	AMLM108	♦AMV	57-41
A733	♦ITI	110-80	AD501A	♦ANA	51-51	AD531SD#2	♦ANA	111-50	ADP511C	♦ANA	64-13	AMLM108A	♦AMV	56-70
A733J	♦ITI	110-81	AD501B	♦ANA	51-34	AD532JD#1	♦ANA	109-16	ADX118	♦ANA	50-70	AMLM108AD	♦AMV	56-71
A734	♦ITI	110-82	AD501C	♦ANA	51-35	AD532JD#2	♦ANA	111-33	ADX218	♦ANA	50-1	AMLM108AF	♦AMV	56-72
A740	♦ITI	137-35	AD502J	♦ANA	38-53	AD532JH#1	♦ANA	109-17	ADX318	♦ANA	51-68	AMLM108D	♦AMV	57-42
A742	♦ITI	137-36		INL		AD532JH#2	♦ANA	111-34	AH52	♦OPT	76-110	AMLM108F	♦AMV	57-43
A757N	♦ITI	108-57	AD502K	♦ANA	38-43	AD532KD#1	♦ANA	109-18	AH53	♦OPT	77-1	AMLM110	♦AMV	106-29
A757P	♦ITI	108-58		INL		AD532KD#2	♦ANA	111-35	AH56K	♦OPT	74-80	AMLM110D	♦AMV	106-30
A841	♦ITI	113-40	AD503JH	♦ANA	49-94	AD532KH#1	♦ANA	109-19	AH56L	♦OPT	74-109	AMLM110F	♦AMV	106-31
A842	♦ITI	113-50		INL		AD532KH#2	♦ANA	111-36	AH57	♦OPT	73-101	AMLM111	♦AMV	102-96
A843	♦ITI	113-31	AD503KH	♦ANA	49-58	AD532SD#1	♦ANA	109-20	AH59	♦OPT	74-110	AMLM111D	♦AMV	102-97
A844	♦ITI	113-20		INL		AD532SD#2	♦ANA	111-37	AH60	♦OPT	77-22	AMLM111F	♦AMV	102-98
A845	♦ITI	112-21	AD503LH	ANA	64-9	AD532SH#1	♦ANA	109-21	AH522	♦OPT	73-79	AMLM112	♦AMV	57-44
A846	♦ITI	113-21	AD503SH	♦ANA	49-83	AD532SH#2	♦ANA	111-38	AH1020	♦OPT	75-59	AMLM112D	♦AMV	57-45
A847	♦ITI	113-22	AD504JH	♦ANA	42-40	AD533JD#1	♦ANA	109-22	AHD554	♦OPT	73-87	AMLM112F	♦AMV	57-46
A848	♦ITI	112-6	AD504JN	♦ANA	42-41	AD533JD#2	♦ANA	111-39	AHD555	♦OPT	73-88	AMLM118	♦AMV	63-45
A849	♦ITI	112-1	AD504KH	♦ANA	38-87	AD533JD#3	♦ANA	110-17	AL27A	MDI	71-97	AMLM118D	♦AMV	63-46
A901	♦HBC	50-48	AD504KN	♦ANA	38-88	AD533JH#1	♦ANA	109-23	AM27	MDI	71-98	AMLM118F	♦AMV	63-47
A902	♦ITI	117-7	AD504LH	♦ANA	38-80	AD533JH#2	♦ANA	111-40	AM100A	♦DTL	53-60	AMLM119D	AMV	104-79
A903	♦ITI	117-8	AD504LN	♦ANA	38-81	AD533JH#3	♦ANA	110-18	AM100B	♦DTL	53-52	AMLM119F	AMV	104-80
A904	♦ITI	117-9	AD504MH	♦ANA	31-76	AD533KD#1	♦ANA	109-24	AM100C	♦DTL	53-44	AMLM119H	AMV	104-81
A905	♦ITI	117-10	AD504MN	♦ANA	31-77	AD533KD#2	♦ANA	111-41	AM101A	♦DTL	53-56	AMLM139AD	AMV	97-65
A955	♦ITI	117-11	AD504SH	♦ANA	64-8	AD533KD#3	♦ANA	110-19	AM101B	♦DTL	53-48	AMLM139AF	AMV	97-66
A1026	♦ITI	50-35	AD505JH	♦ANA	47-64	AD533KH#1	♦ANA	109-25	AM102A	♦DTL	54-32	AMLM139D	AMV	97-67
A1027	♦ITI	50-44		INL		AD533KH#2	♦ANA	111-42	AM102B	♦DTL	54-29	AMLM139F	AMV	97-68
A1032	♦ITI	50-96	AD505KH	♦ANA	48-10	AD533KH#3	♦ANA	110-20	AM103A	♦DTL	54-33	AMLM148D	♦AMV	54-95
A1072	♦ITI	46-57		INL		AD533LD#1	♦ANA	109-26	AM103B	♦DTL	54-30	AMLM149D	♦AMV	54-96
A4350	♦ITI	108-28	AD505SH	♦ANA	48-12	AD533LD#2	♦ANA	111-43	AM124D	AMV	28-85	AMLM201	♦AMV	58-19
A4351	♦ITI	108-29		INL		AD533LD#3	♦ANA	110-21	AM124F	AMV	28-86	AMLM201A	♦AMV	58-28
A6010	♦ITI	49-110	AD506JH	♦ANA	49-92	AD533LH#1	♦ANA	109-27	AM201A	♦DTL	67-9	AMLM201AD	♦AMV	58-29
A6020	♦ITI	49-109	AD506KH	♦ANA	49-50	AD533LH#2	♦ANA	111-44	AM201B	♦DTL	67-8	AMLM201AF	♦AMV	58-30
A8400#1	♦ITI	112-104	AD506LH	♦ANA	31-86	AD533LH#3	♦ANA	110-22	AM201C	♦DTL	67-6	AMLM201D	♦AMV	58-20
A8400#2	♦ITI	111-109	AD506SH	♦ANA	49-77	AD533SD#1	♦ANA	109-28	AM224D	AMV	28-87	AMLM201F	♦AMV	58-21
A8402#1	♦ITI	112-31	AD507JH	♦ANA	47-65	AD533SD#2	♦ANA	111-45	AM303A	♦DTL	64-104	AMLM205	♦AMV	94-52
A8402#2	♦ITI	111-75	AD507KH	♦ANA	48-11	AD533SD#3	♦ANA	110-23	AM303B	♦DTL	64-103	AMLM205F	♦AMV	94-53
A8404#1	♦ITI	111-76	AD507SH	♦ANA	31-87	AD533SH#1	♦ANA	109-29	AM324D	AMV	28-89	AMLM206	♦AMV	102-15
A8404#2	♦ITI	112-32	AD508JH	♦ANA	42-17	AD533SH#2	♦ANA	111-46	AM324N	AMV	28-90	AMLM207	♦AMV	60-77
A8495#1	♦ITI	108-86	AD508KH	♦ANA	38-76	AD533SH#3	♦ANA	110-24	AM405-2	♦DTL	49-108	AMLM207D	♦AMV	60-78
A8495#2	♦ITI	110-1	AD508LH	♦ANA	38-82	AD534JH#1	♦ANA	108-94	AM406-2	♦DTL	46-37	AMLM207F	♦AMV	60-79
A8495#3	♦ITI	111-17	AD509JH	♦ANA	46-110	AD534JH#2	♦ANA	111-19	AM435-1C	♦DTL	66-94	AMLM208	♦AMV	57-47
A8595#1	♦ITI	108-87	AD509KH	♦ANA	47-12	AD534JH#3	♦ANA	110-3	AM435-1M	♦DTL	66-93	AMLM208A	♦AMV	56-73
A8595#2	♦ITI	110-2	AD509SH	♦ANA	47-13	AD534KH#1	♦ANA	108-95	AM450-2	♦DTL	34-26	AMLM208AD	♦AMV	56-74
A8595#3	♦ITI	111-18	AD510J	♦ANA	42-16	AD534KH#2	♦ANA	111-20	AM452-2	♦DTL	47-9	AMLM208AF	♦AMV	56-75
AB49	MDI	69-1	AD510K	♦ANA	38-77	AD534KH#3	♦ANA	110-4	AM460-2	♦DTL	33-92	AMLM208D	♦AMV	57-48
ABL27	MDI	71-95	AD510L	♦ANA	38-75	AD534LH#1	♦ANA	108-96	AM462-1	♦DTL	43-5	AMLM208F	♦AMV	57-49
ACF5001	♦GIC	145-34	AD510S	♦ANA	38-78	AD534LH#2	♦ANA	111-21	AM462-2	♦DTL	43-6	AMLM210	♦AMV	106-32
ACF6001	♦GIC	145-35	AD511A	♦ANA	64-14	AD534LH#3	♦ANA	110-5	AM464-2	♦DTL	64-84	AMLM210D	♦AMV	106-33
ACF7032C	♦GIC	145-36	AD511B	♦ANA	64-10	AD534SH#1	♦ANA	108-97	AM490-2A	♦DTL	67-10	AMLM211	♦AMV	102-99
ACF7092C	♦GIC	145-37	AD511C	♦ANA	64-11	AD534SH#2	♦ANA	111-22	AM490-2B	♦DTL	67-7	AMLM211D	♦AMV	102-100
ACF7096C	♦GIC	145-38	AD512J	ANA	47-61	AD534SH#3	♦ANA	110-6	AM490-2C	♦DTL	67-5	AMLM212	♦AMV	57-50
ACF7170C	♦GIC	145-39	AD512K	♦ANA	47-62	AD534TH#1	♦ANA	108-98	AM500GC	♦DTL	54-54	AMLM212D	♦AMV	57-51
ACF7323C697	♦GIC	145-40	AD512S	♦ANA	47-63	AD534TH#2	♦ANA	111-23	AM500MC	♦DTL	54-55	AMLM216	♦AMV	57-93
ACF7323C700	♦GIC	145-41	AD514J	♦ANA	49-95	AD534TH#3	♦ANA	110-7	AM500MM	♦DTL	54-58	AMLM216A	♦AMV	56-58
ACF7323C770	♦GIC	145-42	AD514K	♦ANA	49-59	AD537J	♦ANA	113-54	AM500MR	♦DTL	54-56	AMLM216AD	♦AMV	56-59
ACF7323C852	♦GIC	145-43	AD514L	♦ANA	49-60	AD537K	♦ANA	113-55	AM685DL	♦AMV	98-53	AMLM216D	♦AMV	57-94
ACF7323C900	♦GIC	145-44	AD514S	♦ANA	49-84	AD537S	♦ANA	113-56	AM685DM	♦AMV	98-55	AMLM218	♦AMV	63-48
ACF7323C941	♦GIC	145-45	AD515J	♦ANA	33-99	AD540J	♦ANA	49-96	AM685HL	♦AMV	98-54	AMLM218D	♦AMV	63-49
ACF7323C1100	♦GIC	145-46	AD515K	♦ANA	33-93	AD540K	♦ANA	49-61	AM685HM	♦AMV	98-56	AMLM219D	AMV	104-82
ACF7323C1209	♦GIC	145-47	AD515L	♦ANA	33-96	AD540S	♦ANA	49-85	AM686DC	♦AMV	98-59	AMLM219H	AMV	104-83
ACF7323C1300	♦GIC	145-48	AD516JH	♦ANA	49-93	AD580J	♦ANA	78-6	AM686DM	♦AMV	98-57	AMLM239AD	AMV	97-69
ACF7323C1336	♦GIC	145-49	AD516KH	♦ANA	49-51			135-96	AM686HC	♦AMV	98-60	AMLM239D	AMV	97-70
ACF7323C1477	♦GIC	145-50	AD516SH	ANA	49-78	AD580K	♦ANA	78-7	AM686HM	♦AMV	98-58	AMLM248D	♦AMV	54-97
ACF7323C1500	♦GIC	145-51	AD518J	♦ANA	52-50			135-97	AM687DL	AMV	98-61	AMLM249D	♦AMV	54-98
ACF7323C1633	♦GIC	145-52	AD518K	♦ANA	49-38	AD580L	♦ANA	78-8	AM715DC	♦AMV	51-69	AMLM301	♦AMV	58-22
ACF7323C1700	♦GIC	145-53	AD518S	♦ANA	49-43			135-98	AM715DM	♦AMV	48-20	AMLM301A	♦AMV	33-97
ACF7323C2600	♦GIC	145-54	AD520J	♦ANA	46-86	AD580M	♦ANA	78-9	AM715HC	♦AMV	51-70	AMLM301AD	♦AMV	33-98
ACF7363C697	♦GIC	145-55	AD520K	♦ANA	46-70			135-99	AM715HM	♦AMV	48-21	AMLM305	♦AMV	90-34
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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		73- 50
CA3053S	♦RCA	66- 23
		73- 51
CA3054	♦RCA	66- 75
	SPR	
CA3054⍁	♦MOTA	129- 54
CA3054H	♦RCA	66- 78
CA3054L	♦RCA	66- 79
CA3058	♦RCA	135- 55
CA3059	♦MOTA	135- 56
	♦RCA	
CA3059H	♦RCA	135- 57
CA3060	♦RCA	30- 28
CA3060AD	♦RCA	40-101
CA3060BD	♦RCA	40-102
CA3060D	♦RCA	30- 7
CA3060E	♦RCA	40-103
CA3060H	♦RCA	30- 29
CA3064	♦RCA	137- 49
	SPR	
CA3064E	♦RCA	137- 50
CA3065	♦RCA	133- 82
	SPR	
CA3066	♦RCA	138- 90
CA3067	♦RCA	138- 91
CA3068	♦RCA	137- 51
CA3070	♦RCA	138- 92
	SPR	
CA3071	♦RCA	138- 93
	SPR	
CA3072	♦RCA	138- 94
	SPR	
CA3075	♦RCA	141- 13
CA3075H	♦RCA	133- 83
CA3076	♦RCA	73- 81
		141- 14
CA3076H	♦RCA	73- 82
		133- 84
CA3078AH	♦RCA	38- 55
CA3078AS	RCA	38- 56
CA3078AT	♦RCA	38- 57
CA3078H	♦RCA	29-102
CA3078S	RCA	29-103
CA3078T	♦RCA	29-104
CA3079	♦MOTA	135- 58
	♦RCA	
CA3080	♦RCA	33- 72
CA3080A	♦RCA	33- 73
CA3080AS	RCA	33- 74
CA3080E	♦RCA	33- 75
CA3080H	♦RCA	33- 76
CA3080S	RCA	33- 77
CA3081	♦RCA	129- 55
	SPR	
CA3081H	♦RCA	129- 56
CA3082	♦RCA	129- 57
	SPR	
CA3082H	♦RCA	129- 58
CA3083	♦RCA	129- 59
	SPR	
CA3083H	♦RCA	129- 60
CA3083L	♦RCA	129- 61
CA3084	♦RCA	129- 62
CA3084H	♦RCA	129- 63
CA3084L	♦RCA	129- 64
CA3085	♦RCA	87- 37
CA3085A	♦RCA	92- 43
CA3085AE	♦RCA	92- 44
CA3085AS	RCA	92- 45
CA3085B	♦RCA	96- 23
CA3085BS	RCA	96- 24
CA3085E	♦RCA	92- 46
CA3085H	♦RCA	87- 38

△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

TYPE No.	MFRS	Pg&Line
CA3085L	♦RCA	92- 47
CA3085S	RCA	87- 39
CA3086△	♦RCA	129- 65
	SPR	
CA3086F	SPR	129- 66
CA3088E	♦RCA	141- 15
CA3089E	♦RCA	141- 16
	SPR	
CA3089N	MULB	141- 17
	PHIN ♦SIC	
	VALG	
CA3090AQ	♦RCA	142- 26
CA3091D	♦RCA	109- 48
CA3091H	♦RCA	109- 49
CA3093E	♦RCA	129- 67
CA3093H	♦RCA	129- 68
CA3094AE	♦RCA	55- 46
CA3094AS	♦RCA	55- 47
CA3094AT	♦RCA	55- 48
CA3094BS	♦RCA	64- 1
CA3094BT	♦RCA	64- 2
CA3094E	♦RCA	31- 30
CA3094H	♦RCA	31- 31
CA3094S	♦RCA	31- 32
CA3094T	♦RCA	31- 33
CA3095E	♦RCA	129- 69
CA3095H	♦RCA	129- 70
CA3096AE	♦RCA	129- 71
CA3096E	♦RCA	129- 72
CA3096H	♦RCA	129- 73
CA3097E	♦RCA	129- 74
CA3097H	♦RCA	129- 75
CA3098T	♦RCA	133- 85
CA3099E	♦RCA	135- 59
CA3099H	♦RCA	135- 60
CA3100H	♦RCA	52- 71
CA3100S	♦RCA	52- 72
CA3100T	♦RCA	52- 73
CA3102E	♦RCA	66- 14
		73- 22
CA3102H	♦RCA	66- 15
		73- 23
CA3118AT	♦RCA	129- 76
CA3118H	♦RCA	129- 77
CA3118T	♦RCA	129- 78
CA3120E	♦RCA	138- 95
	SPR	
CA3121E	SPR	138- 96
CA3121G	♦RCA	138- 97
CA3123E	♦RCA	141- 18
	SPR	
CA3125E	♦RCA	138- 98
CA3126Q	♦RCA	138- 99
CA3127E	♦RCA	129- 79
CA3128Q	♦RCA	138-100
CA3130AE	♦RCA	30- 68
CA3130AS	♦RCA	30- 69
CA3130AT	♦RCA	30- 70
CA3130BS	♦RCA	30- 75
CA3130BT	♦RCA	30- 76
CA3130E	♦RCA	30- 71
CA3130H	♦RCA	30- 72
CA3130S	♦RCA	30- 73
CA3130T	♦RCA	30- 74
CA3131EM	♦RCA	71- 51
CA3132EM	♦RCA	71- 52
CA3134E	♦RCA	137- 52
CA3134EM	♦RCA	137- 53
CA3134QM	♦RCA	137- 54
CA3135G	♦RCA	138-101
	SPR	
CA3136E	♦RCA	138-102
CA3137E	♦RCA	138-103
CA3138AG	♦RCA	138-104
CA3138G	♦RCA	129- 80
CA3139E	♦MOTA	138-105
	♦RCA	
CA3140AE#1	♦RCA	46- 78
CA3140AS#1	♦RCA	46- 79
CA3140AT#1	♦RCA	46- 80
CA3140BS#1	♦RCA	46- 76
CA3140BT#1	♦RCA	46- 77
CA3140E#1	♦RCA	46- 81
CA3140H	♦RCA	46- 82
CA3140S#1	♦RCA	46- 83
CA3140T#1	♦RCA	46- 84
CA3141E	♦RCA	135- 37
CA3141H	♦RCA	135- 38
CA3142E	♦RCA	138-106
CA3143E	♦RCA	137- 55
CA3144G	♦RCA	137- 56
CA3146AE	♦RCA	129- 81
CA3146E	♦RCA	129- 82
CA3146H	♦RCA	129- 83
CA3160AE	♦RCA	30- 30
CA3160AS	♦RCA	30- 31
CA3160AT	♦RCA	30- 32
CA3160BS	♦RCA	30- 37
CA3160BT	♦RCA	30- 38
CA3160E	♦RCA	30- 33
CA3160H	♦RCA	30- 34
CA3160S	♦RCA	30- 35
CA3160T	♦RCA	30- 36
CA3170E	♦RCA	138-107
	SPR	
CA3172G	♦RCA	138-108
CA3183AE	♦RCA	129- 84
CA3183E	♦RCA	129- 85
CA3183H	♦RCA	129- 86
CA3189E	♦RCA	141- 19
CA3221G	♦RCA	138-109
CA3240AE1	♦RCA	53- 20
CA3240AE	♦RCA	53- 21
CA3240AS	♦RCA	30- 40

TYPE No.	MFRS	Pg&Line
CA3240AT	♦RCA	30- 41
CA3240E1	♦RCA	53- 22
CA3240E	♦RCA	53- 23
CA3240S	♦RCA	30- 42
CA3240T	♦RCA	30- 43
CA3290AE1	♦RCA	102- 65
CA3290AE	♦RCA	102- 66
CA3290AS	♦RCA	102- 67
CA3290AT	♦RCA	102- 68
CA3290BS	♦RCA	102- 63
CA3290BT	♦RCA	102- 64
CA3290E1	♦RCA	102- 69
CA3290E	♦RCA	102- 70
CA3290S	♦RCA	102- 71
CA3290T	♦RCA	102- 72
CA3401E	♦RCA	30- 61
CA3401G	♦RCA	30- 62
CA3401GH	♦RCA	30- 63
CA3401H	♦RCA	30- 64
CA3600E	♦RCA	129- 87
CA3724G	♦RCA	129- 88
CA3725G	♦RCA	129- 89
CA6078AH	♦RCA	29- 71
CA6078AS	RCA	29- 72
CA6078AT	♦RCA	29- 73
CA6741S	RCA	34-100
CA6741T	♦RCA	34-101
CD4-392B	MULB	142- 48
	PHIN ♦SIC	
CD23	♦DDC	77- 46
CD4046AD	♦RCA	144- 50
CD4046AE	♦RCA	144- 51
CD4046AK	♦RCA	144- 52
CD4046BCJ	♦NSC	144- 53
CD4046BCN	♦NSC	144- 54
CD4046BMJ	♦NSC	144- 55
CD4046BMW	♦NSC	144- 56
CE5-5S180	♦SCD	124- 70
CE5-5S600	♦SCD	124- 71
CE5-12D100	SCD	124- 72
CE5-12D125	♦SCD	124- 73
CE5-12D25	SCD	124- 74
CE5-12D35	♦SCD	124- 75
CE5-12S250	♦SCD	124- 76
CE5-12S75	♦SCD	124- 77
CE5-15D100	♦SCD	124- 78
CE5-15D30	♦SCD	124- 79
CE5-15S200	♦SCD	124- 80
CE5-15S60	♦SCD	124- 81
CE5-18D25	♦SCD	124- 82
CE5-18D85	♦SCD	124- 83
CE5-24D18	♦SCD	124- 84
CE5-24D20	SCD	124- 85
CE5-24D62	♦SCD	124- 86
CE5-24D75	SCD	124- 87
CE5-24S125	♦SCD	124- 88
CE5-24S36	♦SCD	124- 89
CE5-28S100	♦SCD	124- 90
CE5-28S32	♦SCD	124- 91
CE6-5S180	♦SCD	124- 92
CE6-5S600	♦SCD	124- 93
CE6-12D100	SCD	124- 94
CE6-12D125	♦SCD	124- 95
CE6-12D25	SCD	124- 96
CE6-12D35	♦SCD	124- 97
CE6-12S250	♦SCD	124- 98
CE6-12S75	♦SCD	124- 99
CE6-15D100	♦SCD	124-100
CE6-15D30	♦SCD	124-101
CE6-15S200	♦SCD	124-102
CE6-15S60	♦SCD	124-103
CE6-18D25	♦SCD	124-104
CE6-18D85	♦SCD	124-105
CE6-24D18	♦SCD	124-106
CE6-24D20	SCD	124-107
CE6-24D62	♦SCD	124-108
CE6-24D75	SCD	124-109
CE6-24S125	♦SCD	124-110
CE6-24S36	♦SCD	125- 1
CE6-28S100	♦SCD	125- 2
CE6-28S32	♦SCD	125- 3
CE12-5S180	♦SCD	125- 4
CE12-5S600	♦SCD	125- 5
CE12-12D100	SCD	125- 6
CE12-12D125	♦SCD	125- 7
CE12-12D25	SCD	125- 8
CE12-12D35	♦SCD	125- 9
CE12-12S250	♦SCD	125- 10
CE12-12S75	♦SCD	125- 11
CE12-15D100	♦SCD	125- 12
CE12-15D30	♦SCD	125- 13
CE12-15S200	♦SCD	125- 14
CE12-15S60	♦SCD	125- 15
CE12-18D25	♦SCD	125- 16
CE12-18D85	♦SCD	125- 17
CE12-24D18	♦SCD	125- 18
CE12-24D20	SCD	125- 19
CE12-24D62	♦SCD	125- 20
CE12-24D75	SCD	125- 21
CE12-24S125	♦SCD	125- 22
CE12-24S36	♦SCD	125- 23
CE12-28S100	♦SCD	125- 24
CE12-28S32	♦SCD	125- 25
CE28-5S180	♦SCD	125- 26
CE28-5S600	♦SCD	125- 27
CE28-12D100	SCD	125- 28
CE28-12D125	♦SCD	125- 29
CE28-12D25	SCD	125- 30
CE28-12D35	♦SCD	125- 31
CE28-12S250	♦SCD	125- 32
CE28-12S75	♦SCD	125- 33
CE28-15D100	♦SCD	125- 34
CE28-15D30	♦SCD	125- 35
CE28-15S200	♦SCD	125- 36

TYPE No.	MFRS	Pg&Line
CE28-15S60	♦SCD	125- 37
CE28-18D25	♦SCD	125- 38
CE28-18D85	♦SCD	125- 39
CE28-24D18	♦SCD	125- 40
CE28-24D20	SCD	125- 41
CE28-24D62	♦SCD	125- 42
CE28-24D75	SCD	125- 43
CE28-24S125	♦SCD	125- 44
CE28-24S36	♦SCD	125- 45
CE28-28S100	♦SCD	125- 46
CE28-28S32	♦SCD	125- 47
CH1213	♦CER	142- 49
CH1214	♦CER	142- 50
CH1223	♦CER	142- 51
CH1224	♦CER	142- 52
CH1252	♦CER	145- 85
CH1257	♦CER	145- 86
CH1262#1	♦CER	145- 87
CH1262#2	♦CER	133- 86
CH1262#3	♦CER	133- 87
CH1267#1	♦CER	145- 88
CH1267#2	♦CER	133- 88
CH1271	♦CER	133- 89
CH1272	♦CER	133- 90
CH1273	♦CER	133- 91
CH1280	♦CER	133- 92
CH1290	♦CER	145- 89
CH1295	♦CER	145- 90
CH1296	♦CER	145- 91
CMP01CJ	♦PMI	103- 1
CMP01CY	♦PMI	103- 2
CMP01EJ	♦PMI	102- 90
CMP01EY	♦PMI	102- 91
CMP01J	♦PMI	102- 88
CMP01Y	♦PMI	102- 89
CMP02CJ	♦PMI	103- 3
CMP02CY	♦PMI	103- 4
CMP02EJ	♦PMI	102- 92
CMP02EY	♦PMI	102- 93
CMP02J	♦PMI	102- 94
CMP02Y	♦PMI	102- 95
CS23	♦DDC	67- 78
CS24	♦DDC	67- 4
CTS861	♦CMI	74- 20
D2	♦DDC	49- 63
D3	DDC	47- 53
D4	♦DDC	49- 99
D5	DDC	51- 56
D6	DDC	51- 20
D7	DDC	47- 52
D8	DDC	47- 50
D9	DDC	53- 25
D10	DDC	43- 20
D11	DDC	50- 92
D11B	DDC	50- 93
D12	DDC	47- 49
D12-03	ACO	117- 66
D12-05	ACO	117- 67
D12-10A	ACO	117- 68
D12-15A	ACO	117- 69
D12-30	ACO	117- 70
D12-35	ACO	117- 71
D14	DDC	53- 26
D15	DDC	52- 89
D15-03	ACO	117- 72
D15-05	ACO	117- 73
D15-10A	ACO	117- 74
D15-15A	ACO	117- 75
D15-30	ACO	117- 76
D15-35	ACO	117- 77
D15-100/12	♦HBC	125- 48
D15-100/24	♦HBC	125- 49
D15-100/28	♦HBC	125- 50
D15-100/5	♦HBC	125- 51
D16	DDC	47- 51
D17	DDC	53- 29
D18	DDC	47- 46
D19	DDC	50-101
D20B	DDC	64- 48
D21B	DDC	50-102
D22	DDC	50- 65
D22B	DDC	50- 66
D23	DDC	64- 23
D24	DDC	50- 49
D25	DDC	49- 62
D26	DDC	64- 60
D27	♦DDC	53- 80
D28	DDC	50- 33
D30B	DDC	64- 27
D31	DDC	64- 31
D32	DDC	54- 88
D33	DDC	54- 89
D34	DDC	64- 32
D35	♦DDC	64- 63
D41	♦DDC	65- 3
D42	♦DDC	64- 33
D210	♦INT	111- 63
D211	♦INT	111- 64
DA15	DDC	52- 85
DA17	DDC	53- 7
DA18	DDC	47- 41
DA21B	DDC	50- 34
DA28	DDC	50- 37
DA101	♦DEL	70-109
DB15	DDC	52- 86
DB17	DDC	53- 10
DB18	DDC	47- 45
DB19	DDC	50- 40
DB21B	DDC	50- 41
DB25	DDC	48- 46
DB28	DDC	50- 47
DC5-12-100	♦INT	125- 52
DC5-12-200	♦INT	125- 53
DC5-12-25	♦INT	125- 54

TYPE No.	MFRS	Pg&Line
DC5-15-100	♦INT	125- 55
DC5-15-200	♦INT	125- 56
DC5-15-25	♦INT	125- 57
DC8	DDC	47- 47
DC12-12-100	♦INT	125- 58
DC12-12-200	♦INT	125- 59
DC12-12-25	♦INT	125- 60
DC12-15-100	♦INT	125- 61
DC12-15-200	♦INT	125- 62
DC12-15-25	♦INT	125- 63
DC15	DDC	52- 87
DC16	DDC	47- 48
DC17	DDC	53- 17
DC19	DDC	50- 50
DC25	DDC	49- 14
DC28-12-100	♦INT	125- 64
DC28-12-200	♦INT	125- 65
DC28-12-25	♦INT	125- 66
DC28-15-100	♦INT	125- 67
DC28-15-200	♦INT	125- 68
DC28-15-25	♦INT	125- 69
DCI177	♦SSE	133- 93
DCI178	♦SSE	133- 94
DD5-1.12.250	SCD	125- 70
DD5-1.12.75	SCD	125- 71
DD5-1.24.125	SCD	125- 72
DD5-1.24.36	SCD	125- 73
DD5-1.28.110	SCD	125- 74
DD5-1.28.32	SCD	125- 75
DD5-1.30.100	SCD	125- 76
DD5-1.30.30	SCD	125- 77
DD5-1.5.180	SCD	125- 78
DD5-1.5.600	SCD	125- 79
DD5-2.12.100	SCD	125- 80
DD5-2.12.125	SCD	125- 81
DD5-2.12.25	SCD	125- 82
DD5-2.12.35	SCD	125- 83
DD5-2.15.100	SCD	125- 84
DD5-2.15.25	SCD	125- 85
DD5-2.15.30	SCD	125- 86
DD5-2.18.25	SCD	125- 87
DD5-2.18.85	SCD	125- 88
DD5-2.24.18	SCD	125- 89
DD5-2.24.62	SCD	125- 90
DD6-1.12.250	SCD	125- 91
DD6-1.12.75	SCD	125- 92
DD6-1.24.125	SCD	125- 93
DD6-1.24.36	SCD	125- 94
DD6-1.28.110	SCD	125- 95
DD6-1.28.32	SCD	125- 96
DD6-1.30.100	SCD	125- 97
DD6-1.30.30	SCD	125- 98
DD6-1.5.180	SCD	125- 99
DD6-1.5.600	SCD	125-100
DD6-2.12.100	SCD	125-101
DD6-2.12.125	SCD	125-102
DD6-2.12.25	SCD	125-103
DD6-2.12.35	SCD	125-104
DD6-2.15.100	SCD	125-105
DD6-2.15.25	SCD	125-106
DD6-2.15.30	SCD	125-107
DD6-2.18.85	SCD	125-108
DD6-2.24.18	SCD	125-109
DD6-2.24.62	SCD	125-110
DD12-1.12.250	SCD	126- 1
DD12-1.12.75	SCD	126- 2
DD12-1.24.125	SCD	126- 3
DD12-1.24.36	SCD	126- 4
DD12-1.28.110	SCD	126- 5
DD12-1.28.32	SCD	126- 6
DD12-1.30.100	SCD	126- 7
DD12-1.30.30	SCD	126- 8
DD12-1.5.180	SCD	126- 9
DD12-1.5.500	SCD	126- 10
DD12-2.12.100	SCD	126- 11
DD12-2.12.125	SCD	126- 12
DD12-2.12.25	SCD	126- 13
DD12-2.12.35	SCD	126- 14
DD12-2.15.100	SCD	126- 15
DD12-2.15.25	SCD	126- 16
DD12-2.15.30	SCD	126- 17
DD12-2.18.25	SCD	126- 18
DD12-2.18.85	SCD	126- 19
DD12-2.24.18	SCD	126- 20
DD12-2.24.62	SCD	126- 21
DD28-1.12.250	SCD	126- 22
DD28-1.12.75	SCD	126- 23
DD28-1.24.125	SCD	126- 24
DD28-1.24.36	SCD	126- 25
DD28-1.28.110	SCD	126- 26
DD28-1.28.32	SCD	126- 27
DD28-1.30.100	SCD	126- 28
DD28-1.30.30	SCD	126- 29
DD28-1.5.180	SCD	126- 30
DD28-1.5.600	SCD	126- 31
DD28-2.12.100	SCD	126- 32
DD28-2.12.125	SCD	126- 33
DD28-2.12.25	SCD	126- 34
DD28-2.12.35	SCD	126- 35
DD28-2.15.100	SCD	126- 36
DD28-2.15.25	SCD	126- 37
DD28-2.15.30	SCD	126- 38
DD28-2.18.25	SCD	126- 39
DD28-2.18.85	SCD	126- 40
DD28-2.24.18	SCD	126- 41
DD28-2.24.25	SCD	126- 42
DD28-2.24.62	SCD	126- 43
DD28-2.24.75	SCD	126- 44
DE5S500	SCD	80- 85
DE12D100	SCD	86- 90
DE15	DDC	52- 88
DE15D100	SCD	89- 17
DE17	DDC	53- 27
DE19	DDC	50- 83

TYPE No.	MFRS	Pg&Line
DE21B	DDC	50- 84
DE24D100	SCD	95- 22
DE25	DDC	49- 42
DK15	DDC	52- 90
DK17	DDC	53- 32
DK19	DDC	50-105
DK21B	DDC	50-106
DK25	DDC	49- 66
DL15	DDC	52- 96
DL17	DDC	53- 73
DL19	DDC	52- 65
DL21B	DDC	52- 66
DL25	DDC	49- 79
DTD5-2.12.38	SCD	126- 45
DTD5-2.15.30	SCD	126- 46
DTD5-2.24.20	SCD	126- 47
DTD5-2.5.90	SCD	126- 48
DTD5-2.6.75	SCD	126- 49
DTD6-2.12.38	SCD	126- 50
DTD6-2.15.30	SCD	126- 51
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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HC3180-1	♦TRA	127- 3
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HC4050-1	♦TRA	127- 5
HC4060-1	♦TRA	127- 6
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IA102	♦INT	67- 86
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IC450A	♦CHE	35-106
IC450B	♦CHE	36- 26
IC900A	♦CHE	64- 7
IC900B	♦CHE	55- 94
ICB8008C	♦INL	37- 23
ICB8741C	♦INL	37- 24
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ICH8500TV	♦INL	53-105
ICH8510IKA	♦INL	133-104
ICH8510MKA	♦INL	133-105
ICH8520IKA	♦INL	133-106
ICH8520MKA	♦INL	133-107
ICH8530IKA	♦INL	133-108
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ICL741LNTY	♦INL	59- 27
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ICL741MHSTY	♦INL	34-106
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ICL8001CTZ	♦INL	102- 62
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ICL8001MTZ	♦INL	102- 61
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ICL8007C3	♦INL	47- 10
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ICL8007M5	♦INL	44-103
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ICL8013AMTZ	♦INL	109- 31
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ICL8013BMTZ	♦INL	109- 33
ICL8013CCTZ	♦INL	109- 34
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ICL8017CTW	♦INL	50- 59
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ICL8021CTA	♦INL	29- 76
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ICL8038AMDD	♦INL	110- 90
ICL8038AMJD	♦INL	110- 91
ICL8038BCPD	♦INL	110- 99
ICL8038BMDD	♦INL	110- 92
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ICL8048BCPE	♦INL	108- 35
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ICL8049BCDE	♦INL	108- 38
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ICL8069BCQ	♦INL	136- 3
ICL8069CCQ	♦INL	136- 4
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ICL8069DMQ	♦INL	136- 7
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ICL8211CTY	♦INL	134- 1
ICL8211D	♦INL	134- 2
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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L20V15	♦PMN	136- 65
L20V20	♦PMN	136- 66
L20V24	♦PMN	136- 67
L20V28	♦PMN	136- 68
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L5S500	♦SCD	118- 89
L5S1000	♦SCD	118- 90
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L60V6	♦PMN	136- 70
L60V9	♦PMN	136- 71
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L60V15	♦PMN	136- 74
L60V18	♦PMN	136- 75
L60V20	♦PMN	136- 76
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L60V28	♦PMN	136- 78
L60V30	♦PMN	136- 79
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LA4050P	♦TSAJ	70- 3
LA4051P	♦TSAJ	71- 8
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LA4101	♦TSAJ	69- 60
LA4102	♦TSAJ	69- 98
LA4110	♦TSAJ	69- 50
LA4112	♦TSAJ	69- 97
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LAS1405	♦PMN	80- 65
LAS1406	♦PMN	82- 19
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LAS1410	♦PMN	84-104
LAS1412	♦PMN	86- 73
LAS1415	♦PMN	89- 60
LAS1505	♦PMN	80- 66
LAS1506	♦PMN	82- 20
LAS1508	♦PMN	83- 84
LAS1510	♦PMN	84-105
LAS1512	♦PMN	86- 74
LAS1515	♦PMN	89- 61
LAS1518	♦PMN	91- 60
LAS1520	♦PMN	94- 11
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LAS1528	♦PMN	96- 51
LAS1802	♦PMN	78- 5
LAS1805	♦PMN	80- 67
LAS1806	♦PMN	82- 21
LAS1808	♦PMN	83- 85
LAS1810	♦PMN	84-106
LAS1812	♦PMN	86- 75
LAS1815	♦PMN	89- 62
LAS1818	♦PMN	91- 61
LAS1820	♦PMN	94- 12
LAS1824	♦PMN	96- 5
LAS1828	♦PMN	96- 52
LAS1905	♦PMN	79- 78
LAS1906	♦PMN	81- 92
LAS1908	♦PMN	83- 44
LAS1912	♦PMN	85- 72
LAS1915	♦PMN	89- 16
LAS2105	♦PMN	80- 94
LAS2106	PMN	82- 35
LAS2112	♦PMN	87- 7
LAS2115	♦PMN	89- 44
LAS2120	PMN	93-107
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LAS2215	♦PMN	89- 45
LAS2220	PMN	93-108
LAS2224	♦PMN	95- 92
LAS2228	♦PMN	96- 40
LAS2305	PMN	80- 96
LAS2306	PMN	82- 37
LAS2312	PMN	87- 9
LAS2315	PMN	89- 46
LAS2405	PMN	80- 97
LAS2406	PMN	82- 38
LAS2412	PMN	87- 10
LAS2415	PMN	89- 47
LAS2605	PMN	81- 41
LAS2606	PMN	82- 39
LAS2612	PMN	87- 11
LAS2615	♦PMN	89- 48
LAS2620	PMN	93-109
LAS2624	PMN	95- 93
LAS2628	PMN	96- 41
LAS2705	♦PMN	80- 98
LAS2706	PMN	82- 40
LAS2712	♦PMN	87- 12
LAS2715	♦PMN	89- 49
LAS2720	PMN	93-110
LAS2724	♦PMN	95- 94
LAS2728	♦PMN	96- 42
LAS2805	PMN	80- 99
LAS2806	PMN	82- 41
LAS2812	♦PMN	87- 13
LAS2815	PMN	89- 50
LAS2905	PMN	80-100
LAS2906	PMN	82- 42
LAS2912	PMN	87- 14
LAS2915	♦PMN	89- 51
LAS3205	♦PMN	80-107
LAS3206	♦PMN	82- 51
LAS3212	♦PMN	87- 29
LAS3215	♦PMN	89- 70
LAS3224	♦PMN	96- 18
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LAS4106	PMN	82- 43
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LAS4124	PMN	95- 95
LAS4128	PMN	96- 43
LAS4205	♦PMN	80-102
LAS4206	♦PMN	82- 44
LAS4212	♦PMN	87- 18
LAS4215	♦PMN	89- 53
LAS4220	PMN	94- 4
LAS4224	♦PMN	95- 96
LAS4228	♦PMN	96- 44
LAS4305	PMN	80-103
LAS4306	PMN	82- 45
LAS4312	PMN	87- 19
LAS4315	PMN	89- 54
LAS4320	PMN	94- 5
LAS4324	PMN	95- 97
LAS4328	PMN	96- 45
LAS4405	♦PMN	80-104
LAS4406	PMN	82- 46
LAS4412	♦PMN	87- 20
LAS4415	♦PMN	89- 55
LAS4420	PMN	94- 6
LAS4424	♦PMN	95- 98
LAS4428	♦PMN	96- 46
LAS4605	PMN	81- 42
LAS4606	PMN	82- 47
LAS4612	PMN	87- 21
LAS4615	PMN	89- 56
LAS4620	PMN	94- 7
LAS4624	PMN	95- 99
LAS4628	PMN	96- 47
LAS4705	♦PMN	80-105
LAS4706	PMN	82- 48
LAS4712	♦PMN	87- 22
LAS4715	♦PMN	89- 57
LAS4720	PMN	94- 8
LAS4724	♦PMN	96- 1
LAS4728	♦PMN	96- 48
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LAS4806	PMN	82- 49
LAS4812	PMN	87- 23
LAS4815	PMN	89- 58
LAS4820	PMN	94- 9
LAS4824	PMN	96- 2
LAS4828	PMN	96- 49
LAS4905	♦PMN	80-106
LAS4906	PMN	82- 50
LAS4912	♦PMN	87- 24
LAS4915	♦PMN	89- 59
LAS4920	PMN	94- 10
LAS4924	♦PMN	96- 3
LAS4928	♦PMN	96- 50
LAS5205	♦PMN	80-108
LAS5206	♦PMN	82- 52
LAS5212	♦PMN	87- 30
LAS5215	♦PMN	89- 71
LAS5224	♦PMN	96- 19
LAS5228	♦PMN	96- 54
LAS6105	PMN	80- 86
LAS6106	PMN	82- 29
LAS6112	PMN	86- 91
LAS6115	PMN	89- 18
LAS6120	PMN	93- 77
LAS6124	PMN	95- 23
LAS6128	PMN	96- 35
LAS6205	♦PMN	80- 87
LAS6206	♦PMN	82- 30
LAS6212	♦PMN	86- 92
LAS6215	♦PMN	89- 19
LAS6220	PMN	93- 78
LAS6224	♦PMN	95- 24
LAS6228	♦PMN	96- 36
LAS6305	PMN	80- 88
LAS6306	PMN	82- 31
LAS6312	PMN	86- 93
LAS6315	PMN	89- 20
LAS6320	PMN	93- 79
LAS6324	PMN	95- 25
LAS6328	PMN	96- 37
LAS6405	♦PMN	80- 89
LAS6406	PMN	82- 32
LAS6412	♦PMN	86- 94
LAS6415	♦PMN	89- 21
LAS6420	PMN	93- 80
LAS6424	♦PMN	95- 26
LAS6428	♦PMN	96- 38
LAS7205	♦PMN	80-109
LAS7206	♦PMN	82- 53
LAS7212	♦PMN	87- 31
LAS7215	♦PMN	89- 72
LAS7224	♦PMN	96- 20
LAS7228	♦PMN	96- 55
LAS18052	♦PMN	81- 40
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LCD2.15.25	SCD	118-105
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LCD2.15.50	SCD	118-107
LCD2.15.50K	SCD	118-108
LCD2.18.50	SCD	118-109
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LCD2.5.500	SCD	119- 3
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LD156	♦AMV	48-107
LD156A	♦AMV	48- 61
LD157	♦AMV	48-108
LD157A	♦AMV	48- 62
LD355	♦AMV	42- 87
LD355A	♦AMV	42- 33
LD356	♦AMV	52- 11
LD356A	♦AMV	51-105
LD357	♦AMV	52- 12
LD357A	♦AMV	51-106
LD501	♦LTIC	69- 16
LD505	♦LTIC	69- 20
LD547	♦LTIC	69- 8
LD548	♦LTIC	69- 23
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LF156L	♦TII	49- 3
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LF157AH	♦AMV	48- 68
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LF157AJG	♦TII	48- 69
LF157AL	♦TII	48- 70
LF157AT	MULB	48- 55
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LF157DE	♦RTN	42- 53
LF157F	♦RTN	49- 4
LF157H	♦AMV	49- 5
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LF211F	♦NSC	103- 52
LF211H	♦NSC	103- 53
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LF255H	♦AMV	42- 56
♦INL	♦MOTA	
♦NSC	♦RTN	
LF255J	♦MOTA	42- 57
LF255JG	♦TII	42- 58
LF255L	♦TII	42- 59
LF255N	♦MOTA	42- 60
LF255P	♦TII	42- 61
LF255T	MULB	42- 54
PHIN	♦SIC	
	VALG	
LF256DE	♦RTN	48- 85
LF256H	♦AMV	48- 86
♦INL	♦MOTA	
♦NSC	♦RTN	
LF256J	♦MOTA	48- 87
LF256JG	♦TII	42- 62
LF256L	♦TII	42- 63
LF256N	♦MOTA	48- 88
LF256P	♦TII	42- 64

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	VALG	
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♦NSC	♦RTN	
LF257J	♦MOTA	48- 91
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LF311F	♦NSC	104- 69
LF311H	♦NSC	104- 70
LF355ADE	♦RTN	42- 28
LF355AH	♦AMV	42- 34
♦INL	♦MOTA	
♦NSC	♦RTN	
LF355AJG	♦TII	42- 35
LF355AL	♦TII	42- 36
LF355AN	♦RTN	42- 37
LF355AP	♦TII	42- 38
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	VALG	
LF355BH	♦MOTA	42- 68
LF355BJ	♦MOTA	42- 69
LF355BN	♦MOTA	42- 70
LF355DE	♦RTN	42- 82
LF355H	♦AMV	42- 88
♦INL	♦MOTA	
♦NSC	♦RTN	
LF355J	♦MOTA	42- 89
LF355JG	♦TII	42- 90
LF355L	♦TII	42- 91
LF355N	♦AMV	42- 92
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LF355P	♦TII	42- 93
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	VALG	
LF356ADE	♦RTN	42- 30
LF356AH	♦AMV	51-107
♦INL	♦MOTA	
♦NSC	♦RTN	
LF356AJG	♦TII	51-108
LF356AL	♦TII	51-109
LF356AN	♦RTN	51-110
LF356AP	♦TII	52- 1
LF356AT	MULB	51-103
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	VALG	
LF356BH	♦MOTA	48- 93
LF356BJ	♦MOTA	48- 94
LF356BN	♦MOTA	48- 95
LF356DE	♦RTN	42- 84
LF356H	♦AMV	52- 13
♦INL	♦MOTA	
♦NSC	♦RTN	
LF356J	♦MOTA	52- 14
LF356JG	♦TII	52- 15
LF356L	♦TII	52- 16
LF356N	♦AMV	52- 17
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LF356P	♦TII	52- 18
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PHIN	♦SIC	
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LF357ADE	♦RTN	42- 31
LF357AH	♦AMV	52- 2
♦INL	♦MOTA	
♦NSC	♦RTN	
LF357AJG	♦TII	52- 3
LF357AL	♦TII	52- 4
LF357AP	♦TII	52- 5
LF357AT	MULB	51-104
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LF357BN	♦MOTA	48- 98
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LF357P	♦TII	52- 24
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LH0001ACH	♦NSC	32- 8
LH0001AD	♦NSC	32- 3
LH0001AF	♦NSC	32- 4
LH0001AH	♦NSC	32- 5
LH0001H	♦NSC	56- 8
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LH0002CN	♦NSC	106- 14
LH0002H	♦NSC	106- 15
LH0003CH	♦NSC	60- 38
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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IN TYPE NUMBER SEQUENCE

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LH0005H	♦NSC	31 - 38
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LH0020G	♦NSC	43 - 50
LH0021CK	♦NSC	43 - 25
LH0021K883	NSC	40 - 86
LH0021K	♦NSC	40 - 87
LH0022CD	♦NSC	38 - 40
LH0022CF	♦NSC	38 - 41
LH0022CH	♦NSC	38 - 42
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LH0024CH	♦NSC	53 - 65
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LH0033CG	♦NSC	106 - 57
LH0033CJ	♦NSC	106 - 58
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LH0036CG	♦NSC	32 - 89
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LH0045CG	♦NSC	68 - 11
LH0045CK	♦NSC	68 - 13
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LH0061CK	♦NSC	53 - 83
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LH0062D883	NSC	44 - 41
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LH2101AF	♦NSC	39 - 21
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LH2211F	♦NSC	103 - 15
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PHIN	♦SIC	
LH2308AD	♦NSC	32 -106
LH2308AF⍁	MULB	53 -106
PHIN	♦SIC	
LH2308D	♦NSC	33 - 42
LH2308F	♦NSC	33 - 43
LH2308F⍁	MULB	53 -109
PHIN	♦SIC	
LH2310D	♦NSC	106 - 45
LH2310F	♦NSC	106 - 46
LH2311D	♦NSC	104 - 39
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LH2311F	♦NSC	104 - 40
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LH2311F⍁	MULB	104 - 41
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LH24250CF	♦NSC	29 - 92
LH24250D	♦NSC	29 - 83
LH24250F	♦NSC	29 - 84
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LM78L05ACZ	♦NSC	79 - 54
LM78L05CH	♦NSC	79 - 55
LM78L05CZ	♦NSC	79 - 56
LM78L08ACH	♦NSC	83 - 31
LM78L08ACZ	♦NSC	83 - 32
LM78L08CH	♦NSC	83 - 33
LM78L08CZ	♦NSC	83 - 34
LM78L12ACH	♦NSC	86 - 6
LM78L12ACZ	♦NSC	86 - 7
LM78L12CH	♦NSC	86 - 8
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LM78L15ACH	♦NSC	88 - 11
LM78L15ACZ	♦NSC	88 - 12
LM78L15CH	♦NSC	88 - 13
LM78L15CZ	♦NSC	88 - 14
LM78L18ACH	♦NSC	90 -104
LM78L18ACZ	♦NSC	90 -105
LM78L18CH	♦NSC	90 -106
LM78L18CZ	♦NSC	90 -107
LM78L24ACH	♦NSC	95 - 27
LM78L24ACZ	♦NSC	95 - 28
LM78L24CH	♦NSC	95 - 29
LM78L24CZ	♦NSC	95 - 30
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LM101AD	♦INL	61 - 13
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LM101ADE	♦RTN	61 - 14
LM101AF883	♦NSC	60 - 29
LM101AF	♦INL	61 - 15
♦NSC	PHIN	
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LM101AF⍁	MULB	61 - 16
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LM101AH03	RTN	61 - 17
LM101AH883	♦NSC	60 - 30
LM101AH	♦INL	61 - 18
♦NSC	♦RTN	
LM101AJ03	RTN	61 - 19
LM101AJ14	♦NSC	61 - 20
LM101AJ	RTN	61 - 21
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LM101AJG	♦TII	61 - 22
LM101AL	♦TII	61 - 23
LM101AN	MULB	61 - 24
PHIN	♦SIC	
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LM101AN-14	MULB	61 - 25
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LM101F	♦NSC	59 - 14
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LM101F⍁	MULB	60 - 43
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LM101H	♦NSC	59 - 15
LM101J14	♦NSC	60 - 37
LM101N	MULB	60 - 44
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LM101N-14	MULB	60 - 45
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LM101T	MULB	60 - 46
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LM102F883	♦NSC	45 - 30
LM102F	♦INL	106 - 36
LM102H883	♦NSC	45 - 31
LM102H	♦INL	106 - 27
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LM103H1.8	♦NSC	136 -100
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LM103H2.2	♦NSC	136 -102
LM103H2.4	♦NSC	136 -103
LM103H2.7	♦NSC	136 -104
LM103H3.0	♦NSC	136 -105
LM103H3.3	♦NSC	136 -106
LM103H3.6	♦NSC	136 -107
LM103H3.9	♦NSC	136 -108
LM103H4.3	♦NSC	136 -109
LM103H4.7	♦NSC	136 -110
LM103H5.1	♦NSC	137 - 1
LM103H5.6	♦NSC	137 - 2

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LM104F	♦NSC	94 - 19
LM104H883	♦NSC	94 - 20
LM104H	♦NSC	94 - 21
LM104J	♦TII	93 - 58
LM104L	♦TII	93 - 53
LM105F883	♦NSC	94 - 40
LM105F	♦INL	94 - 60
	♦NSC	
LM105H03	RTN	94 - 61
LM105H883	♦NSC	94 - 41
LM105H	♦INL	94 - 62
♦NSC	♦RTN	
LM105JG	♦TII	90 - 61
LM105L	♦TII	90 - 62
LM106F883	♦NSC	102 - 11
LM106F	♦NSC	102 - 16
LM106H883	♦NSC	102 - 12
LM106H	♦NSC	102 - 17
	♦RTN	
LM106J	♦TII	102 - 18
LM106JG	♦TII	102 - 19
LM106L	♦TII	102 - 20
LM106U	♦TII	102 - 21
LM107D	♦NSC	59 - 16
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LM107DE3	RTN	61 - 28
LM107DE	♦RTN	61 - 29
LM107F883	♦NSC	60 - 31
LM107F	♦NSC	61 - 30
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LM107F⍁	MULB	59 - 17
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LM107H03	RTN	61 - 31
LM107H883	♦NSC	60 - 32
LM107H	♦INL	61 - 32
♦NSC	♦RTN	
LM107J03	RTN	61 - 33
LM107J14	♦NSC	61 - 34
LM107J	♦NSC	61 - 35
RTN	♦TII	
LM107JG	♦TII	61 - 36
LM107L	♦TII	63 - 60
LM107N	MULB	59 - 18
PHIN	♦SIC	
	VALG	
LM107T	MULB	59 - 19
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LM107U	♦TII	61 - 37
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♦NSC	♦RTN	
LM108ADE03	RTN	57 - 4
LM108ADE	♦RTN	57 - 5
LM108AF883	NSC	57 - 6
LM108AF	INL	57 - 7
♦NSC	PHIN	
LM108AF⍁	MULB	57 - 8
♦SIC	VALG	
LM108AH	♦INL	57 - 9
♦NSC	♦RTN	
LM108AJ03	RTN	57 - 10
LM108AJ	♦NSC	57 - 11
	RTN	
LM108AT	MULB	57 - 12
PHIN	♦SIC	
	VALG	
LM108D	♦INL	57 - 53
♦NSC	♦RTN	
LM108DE	♦RTN	57 - 54
LM108F	INL	57 - 55
♦NSC	PHIN	
LM108F⍁	MULB	57 - 56
♦SIC	VALG	
LM108H03	RTN	57 - 40
LM108H	♦INL	57 - 57
♦NSC	♦RTN	
LM108J03	RTN	57 - 13
LM108J	♦NSC	57 - 58
	RTN	
LM108N	MULB	57 - 59
PHIN	♦SIC	
	VALG	
LM108T	MULB	57 - 60
PHIN	♦SIC	
LM109DA	MULB	79 - 79
PHIN	♦SIC	
LM109DB	MULB	79 - 80
PHIN	♦SIC	
LM109H883	NSC	80 - 63
LM109H	♦NSC	80 - 45
LM109K883	NSC	80 - 64
LM109K	♦NSC	80 - 75
LM109LA	♦TII	78 - 87
LM110D	♦INL	106 - 65
	♦NSC	
LM110F883	NSC	55 - 86
LM110F	♦INL	106 - 66
	♦NSC	
LM110H883	NSC	55 - 87
LM110H	♦INL	106 - 67
	♦NSC	
LM110J	♦NSC	106 - 68
LM111D	♦INL	103 - 17
♦NSC	♦RTN	
LM111DE	♦RTN	103 - 18
LM111F	♦INL	103 - 19
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♦SIC	VALG	
LM111H03	RTN	103 - 21
LM111H	♦INL	103 - 22
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LM111JG	♦TII	103 - 24
LM111L	♦TII	103 - 25
LM111T	MULB	103 - 26
PHIN	♦SIC	
LM111U	♦TII	103 - 27
LM112D	♦NSC	57 - 61
LM112F	♦NSC	57 - 62
LM112H	♦NSC	57 - 63
LM113H	♦NSC	137 - 3
LM117H	♦NSC	91 - 71
LM117K	♦NSC	91 - 77
LM117KA	♦TII	90 - 56
LM118D883	NSC	50 - 85
LM118D	♦NSC	50 - 14
	♦RTN	
LM118DE	♦RTN	50 - 15
LM118F	♦NSC	50 - 16
LM118H03	RTN	50 - 17
LM118H883	NSC	50 - 86
LM118H	♦NSC	50 - 18
	♦RTN	
LM118JG	♦TII	50 - 19
LM118L	♦TII	50 - 20
LM118U	♦TII	50 - 21
LM119D883	NSC	105 - 1
LM119D	♦NSC	105 - 2
LM119F883	NSC	105 - 3
LM119F	♦NSC	105 - 4
	PHIN	
LM119F⍁	MULB	105 - 5
♦SIC	VALG	
LM119H883	NSC	105 - 6
LM119H	♦NSC	105 - 7
LM119J	♦NSC	105 - 8
LM119K	MULB	105 - 9
PHIN	♦SIC	
	VALG	
LM119N	MULB	105 - 10
PHIN	♦SIC	
	VALG	
LM120H5.0	♦NSC	79 - 13
LM120H5.2	♦NSC	81 - 25
LM120H6.0	♦NSC	81 - 72
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LM120H15	♦NSC	89 - 38
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LM120K5.0	♦NSC	79 - 46
LM120K5.2	♦NSC	81 - 32
LM120K6.0	♦NSC	81 - 85
LM120K8.0	♦NSC	83 - 28
LM120K9.0	♦NSC	84 - 4
LM120K12	♦NSC	86 - 84
LM120K15	♦NSC	89 - 63
LM120K18	♦NSC	91 - 52
LM120K24	♦NSC	96 - 14
LM121AH	♦NSC	59 - 12
LM121H	♦NSC	58 - 23
LM123K	♦NSC	78 - 44
LM124AD	♦NSC	29 - 18
LM124AF	♦NSC	29 - 19
PHIN	♦RTN	
LM124AF⍁	MULB	28 - 76
♦SIC	VALG	
LM124AJ	♦NSC	29 - 20
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LM124AN	MULB	28 - 77
PHIN	♦SIC	
	VALG	
LM124D	♦INL	28 -105
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LM124J⍁	♦NSC	29 - 14
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LM125H	♦NSC	87 - 51
LM126H	♦NSC	85 - 20
LM127H	♦NSC	85 - 21
LM129AH	♦NSC	136 - 8
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LM129BH	♦NSC	136 - 9
	♦RTN	
LM129CH	♦NSC	136 - 10
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LM139A	MULB	97 - 87
PHIN	♦SIC	
LM139AA	MULB	98 - 73
PHIN	♦SIC	
LM139AD	♦INL	98 - 74
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LM139AF	♦NSC	98 - 75
	♦RTN	
LM139AF⍁	MULB	98 - 76
PHIN	♦SIC	
LM139AJ	♦NSC	97 - 53
LM139D	♦INL	97 - 88
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LM139F	♦NSC	97 - 89
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LM139F⍁	MULB	97 - 90
PHIN	♦SIC	
LM139J03	RTN	97 - 91
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LM140LAH6.0	♦NSC	81 -110
LM140LAH8.0	♦NSC	83 - 63
LM140LAH10	♦NSC	84 - 93
LM140LAH12	♦NSC	86 - 32
LM140LAH15	♦NSC	88 - 49
LM140LAH18	♦NSC	91 - 14
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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LM320T9.0	♦NSC	84-6
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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PHIN	♦SIC	
LM339J	♦NSC	97-103
♦RTN	♦TII	
LM339N	♦INL	97-104
♦NSC	♦RTN	
	♦TII	
LM339N☒	♦MULB	97-105
PHIN	♦SIC	
	♦VALG	
LM340-5DA	♦MULB	80- 68
PHIN	♦SIC	
	♦VALG	
LM340-5U	MULB	80- 69
PHIN	♦SIC	
	VALG	
LM340-6DA	♦MULB	82- 22
PHIN	♦SIC	
	♦VALG	
LM340-6U	MULB	82- 23
PHIN	♦SIC	
	VALG	
LM340-8DA	♦MULB	83- 86
PHIN	♦SIC	
	♦VALG	
LM340-8U	MULB	83- 87
PHIN	♦SIC	
	VALG	
LM340-12DA	♦MULB	86- 77
PHIN	♦SIC	
	♦VALG	
LM340-12U	MULB	86- 78
PHIN	♦SIC	
	VALG	
LM340-15DA	♦MULB	89- 9
PHIN	♦SIC	
	♦VALG	
LM340-15U	MULB	89- 10
PHIN	SIC	
	VALG	
LM340-18DA	♦MULB	91- 45
PHIN	♦SIC	
	♦VALG	
LM340-18U	MULB	91- 46
PHIN	♦SIC	
	VALG	
LM340-24DA	♦MULB	96- 7
PHIN	♦SIC	
	♦VALG	
LM340-24U	MULB	96- 8
PHIN	♦SIC	
	VALG	
LM340K5.0	♦NSC	80- 70
LM340K6.0	♦NSC	82- 24
LM340K8.0	♦NSC	83- 88
LM340K10	♦NSC	84- 98
LM340K12	♦NSC	86- 79
LM340K15	♦NSC	89- 11
LM340K18	♦NSC	91- 47
LM340K24	♦NSC	96- 9
LM340KC5.0	♦NSC	80- 35
LM340KC6.0	♦NSC	82- 5
LM340KC8.0	♦NSC	83- 68
LM340KC10	♦NSC	84- 99
LM340KC12	♦NSC	86- 37
LM340KC15	♦NSC	88- 54
LM340KC18	♦NSC	91- 59
LM340KC24	♦NSC	95- 59
LM340LAH5.0	♦NSC	80- 33
LM340LAH6.0	♦NSC	82- 3
LM340LAH8.0	♦NSC	83- 66
LM340LAH10	♦NSC	84- 96
LM340LAH12	♦NSC	86- 35
LM340LAH15	♦NSC	88- 52
LM340LAH18	♦NSC	91- 17
LM340LAH24	♦NSC	95- 57
LM340LAZ5.0	♦NSC	80- 34
LM340LAZ6.0	♦NSC	82- 4
LM340LAZ8.0	♦NSC	83- 67
LM340LAZ10	♦NSC	84- 97
LM340LAZ12	♦NSC	86- 36
LM340LAZ15	♦NSC	88- 53
LM340LAZ18	♦NSC	91- 18
LM340LAZ24	♦NSC	95- 58
LM340T5.0	♦NSC	80- 71
LM340T6.0	♦NSC	82- 25
LM340T8.0	♦NSC	83- 89
LM340T12	♦NSC	86- 80
LM340T15	♦NSC	89- 12
LM340T18	♦NSC	91- 48
LM340T24	♦NSC	96- 10
LM341P5.0	♦NSC	80- 62
LM341P6.0	♦NSC	82- 18
LM341P8.0	♦NSC	83- 81
LM341P12	♦NSC	86- 71
LM341P15	♦NSC	89- 6
LM341P18	♦NSC	91- 42
LM341P24	♦NSC	95- 89
LM342P5.0	♦NSC	79- 57
LM342P6.0	♦NSC	81- 90
LM342P8.0	♦NSC	83- 35
LM342P10	♦NSC	84- 92
LM342P12	♦NSC	86- 10
LM342P15	♦NSC	88- 15
LM342P18	♦NSC	90-108
LM342P24	♦NSC	95- 31
LM343H	♦NSC	64- 62
LM344H	♦NSC	64- 53
LM345K5.0	♦NSC	78- 31
LM345K5.2	♦NSC	81- 7

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LM346J	♦NSC	33-107
LM348	♦INL	54- 24
LM348D	♦NSC	43- 35
LM348J		43- 36
♦NSC	♦RTN	
LM348J△	♦MOTA	67- 2
LM348N	♦NSC	43- 37
	♦RTN	
LM348N△	♦MOTA	67- 3
LM349	♦INL	54- 25
LM349D	♦NSC	43- 38
LM349J	♦NSC	43- 39
	♦RTN	
LM349N	♦INL	43- 40
♦NSC	♦RTN	
LM358AN	MULB	28- 79
PHIN	♦SIC	
	VALG	
LM358AT	MULB	28- 80
PHIN	♦SIC	
	VALG	
LM358H	♦NSC	28- 44
LM358H△	♦MOTA	28- 59
LM358J	♦MOTA	28- 60
LM358JG	♦TII	28- 61
LM358L	♦TII	28- 62
LM358N	♦NSC	28- 45
LM358N△	♦MOTA	28- 63
LM358N☒	MULB	28- 64
PHIN	♦SIC	
	VALG	
LM358P	♦TII	28- 65
LM358T	MULB	28- 66
PHIN	♦SIC	
	VALG	
LM360D	♦NSC	98- 36
LM360H	♦NSC	98- 37
LM360N14	♦NSC	98- 38
LM361D	♦NSC	101- 59
LM361H	♦NSC	101- 60
LM361N	♦NSC	101- 61
LM370H	♦NSC	70- 20
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LM370N	♦NSC	70- 21
		143- 37
LM373H	♦NSC	141- 27
LM373N	♦NSC	141- 28
LM374H	♦NSC	141- 29
LM374N	♦NSC	141- 30
LM375D	♦NSC	111- 1
LM375N	♦NSC	111- 2
LM376JG	♦TII	90- 48
LM376L	♦TII	90- 49
LM376N	♦NSC	94- 34
LM376P	♦TII	90- 50
LM377N	♦NSC	71- 36
	SPR	
LM378N	♦NSC	71- 63
LM379S	♦NSC	71- 77
LM380N8	♦NSC	71- 18
LM380N	♦NSC	71- 19
	SPR	
LM381A	MULB	70- 74
PHIN	♦SIC	
LM381AA	MULB	70- 73
PHIN	♦SIC	
LM381AN	MULB	70- 44
♦NSC	♦SIC	
	VALG	
LM381N	MULB	70- 45
♦NSC	♦SIC	
	VALG	
LM382A	MULB	70- 51
PHIN	♦SIC	
LM382N	MULB	70- 52
♦NSC	♦SIC	
	VALG	
LM383	SPR	71- 9
LM384N	♦NSC	71- 45
	SPR	
LM386N	♦NSC	69- 47
LM387AN	♦NSC	70- 46
LM387N	MULB	70- 47
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LM389N	♦NSC	69- 46
		141- 31
LM390N	♦NSC	69- 49
LM393AH	♦NSC	97- 15
LM393AN	MULB	97- 16
♦NSC	PHIN	
♦SIC	VALG	
LM393AT	MULB	97- 17
SIC	VALG	
LM393H	♦NSC	97- 29
LM393JG	♦TII	97- 30
LM393L	♦TII	97- 31
LM393N	♦MULB	97- 32
♦NSC	PHIN	
♦SIC	♦VALG	
LM393P	♦TII	97- 33
LM393T	MULB	97- 34
SIC	VALG	
LM394H	♦NSC	129-109
LM395H	♦NSC	129-110
LM395K	♦NSC	130- 1
LM395T	♦NSC	130- 2
LM399AH	♦NSC	136- 18
	♦RTN	
LM399H	♦NSC	136- 19
	♦RTN	

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LM529CH	NSC	105- 44
LM529CN	NSC	105- 45
LM529H	NSC	105- 43
LM565CH	♦NSC	144- 62
LM565CN	♦NSC	144- 63
LM565H	♦NSC	144- 64
LM566CH	♦NSC	134- 9
LM566CN	♦NSC	134- 10
LM566H	♦NSC	134- 11
LM567CH	♦NSC	134- 12
LM567CN	♦NSC	134- 13
LM567H	♦NSC	134- 14
LM703LH	♦NSC	73- 36
LM703LN	♦NSC	73- 37
LM709AH	♦NSC	41- 18
LM709AJ	♦NSC	41- 19
LM709CH	♦NSC	47- 56
LM709CJ	♦NSC	47- 57
LM709CN	♦NSC	47- 58
LM709H883	♦NSC	44-108
LM709H	♦NSC	45- 18
LM709J	♦NSC	45- 19
LM710CH	♦NSC	100- 45
LM710CN	♦NSC	100- 46
LM710H	♦NSC	99- 57
LM711CH	♦NSC	101- 31
LM711CN	♦NSC	101- 32
LM711H	♦NSC	100- 84
LM723CD	♦INL	93- 23
	♦NSC	
LM723CH	♦INL	92- 64
	♦NSC	
LM723CN	♦INL	92- 48
	♦NSC	
LM723D	♦INL	93- 24
	♦NSC	
LM723H	♦INL	92- 65
	♦NSC	
LM723N	♦INL	92- 49
LM725AH	♦NSC	40- 54
LM725CH	♦NSC	44- 23
LM725CN	♦NSC	44- 24
LM725D	♦NSC	40- 64
LM725H	♦NSC	40- 65
LM733CD	♦NSC	75- 14
LM733CH	♦NSC	75- 15
LM733D	♦NSC	75- 30
LM733H	♦NSC	75- 31
LM741AH	♦NSC	61-101
	SPR	
LM741AJ14	♦NSC	61-102
	SPR	
LM741CD	♦NSC	35- 17
	SPR	
LM741CH	♦NSC	35- 18
	SPR	
LM741CJ14	♦NSC	35- 19
	SPR	
LM741CJ	♦NSC	35- 20
	SPR	
LM741CN14	♦NSC	35- 21
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LM741CN	♦NSC	35- 22
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LM741D	♦NSC	34-107
	SPR	
LM741EH	♦NSC	61- 86
	SPR	
LM741EJ14	♦NSC	61- 87
	SPR	
LM741EN	♦NSC	61- 88
	SPR	
LM741F	♦NSC	34-108
	SPR	
LM741H883	NSC	34-109
	SPR	
LM741H	♦NSC	34-110
	SPR	
LM741J14	♦NSC	35- 1
	SPR	
LM746N	♦NSC	139- 11
	SPR	
LM747AD	♦NSC	61- 89
LM747AH	♦NSC	61- 90
LM747AJ	♦NSC	61- 91
LM747CD	♦NSC	34- 31
LM747CH	♦NSC	34- 32
LM747CJ	♦NSC	37- 28
LM747CN	♦NSC	34- 33
LM747D883	NSC	33-108
LM747D	♦NSC	33-109
LM747ED	♦NSC	61- 92
LM747EH	♦NSC	61- 93
LM747EJ	♦NSC	61- 94
LM747F	♦NSC	33-110
LM747H883	NSC	34- 1
LM747H	♦NSC	34- 2
LM747J	♦NSC	36- 29
LM748CH	♦NSC	35- 48
LM748CN	♦NSC	35- 49
LM760CD	NSC	98- 93
LM760CH	NSC	98- 94
LM760CN	NSC	98- 95
LM760D	NSC	98- 96
LM760F	NSC	98- 97
LM760H	NSC	98- 98
LM1303N	♦NSC	71- 72
LM1304N01	♦NSC	142- 54
LM1304N	♦NSC	142- 55
LM1305N01	♦NSC	142- 56
LM1305N	♦NSC	142- 57
LM1307EN01	♦NSC	142- 58
LM1307EN	♦NSC	142- 59
LM1307N01	♦NSC	142- 60

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LM1310N	♦NSC	142- 62
	SPR	
LM1351N01	♦NSC	137- 58
LM1351N	♦NSC	137- 59
LM1414J	♦NSC	101- 44
LM1414N	♦NSC	101- 45
LM1458-14	♦NSC	45- 46
LM1458H	♦NSC	45- 47
LM1458N	♦NSC	45- 48
LM1496H	♦NSC	142- 63
LM1496J	♦NSC	142- 64
LM1496N	♦NSC	142- 65
LM1514J	♦NSC	101- 40
LM1558H	♦NSC	43- 59
LM1596H	♦NSC	142- 66
LM1596J	♦NSC	142- 67
LM1800N	♦NSC	144- 65
	SPR	
LM1807N	♦NSC	137- 60
LM1808N	♦NSC	137- 61
LM1820N	♦NSC	141- 32
LM1828N	♦NSC	139- 12
	SPR	
LM1841N	NSC	134- 15
	SPR	
LM1845N	♦NSC	137- 62
LM1889N	♦NSC	142- 68
LM1900D	♦NSC	66- 56
LM1900J	♦NSC	66- 57
LM2111N01	♦NSC	134- 16
LM2111N	♦NSC	134- 17
	SPR	
LM2113N	♦NSC	134- 18
	SPR	
LM2900D	♦NSC	66- 49
LM2900J	♦NSC	66- 50
LM2900N	♦NSC	66- 51
	♦RTN	
LM2901F	MULB	98- 11
PHIN	♦SIC	
	VALG	
LM2901J	♦TII	97- 75
LM2901J☒	♦NSC	97- 35
LM2901N	♦NSC	97- 1
PHIN	♦RTN	
	♦TII	
LM2901N☒	MULB	98- 12
♦SIC	VALG	
LM2902J	♦RTN	28- 93
	♦TII	
LM2902J☒	♦NSC	29- 16
LM2902N	♦NSC	28- 6
♦RTN	♦TII	
LM2903JG	♦TII	97- 36
LM2903L	♦TII	97- 37
LM2903N	MULB	97- 38
♦NSC	♦SIC	
	VALG	
LM2903P	♦TII	97- 39
LM2903T	MULB	97- 40
PHIN	♦SIC	
	VALG	
LM2904H	♦MOTA	28- 69
LM2904J	♦MOTA	28- 70
LM2904JG	♦TII	28- 25
LM2904L	♦TII	28- 26
LM2904N	♦NSC	29- 17
LM2904N△	♦MOTA	28- 71
LM2904P	♦TII	28- 27
LM2907N8	♦NSC	111- 77
LM2907N	♦NSC	111- 78
LM2917N8	♦NSC	111- 79
LM2917N	♦NSC	111- 80
LM3018AH	♦NSC	130- 3
LM3018H	♦NSC	130- 4
LM3019H	♦NSC	135- 42
LM3026H	♦NSC	66- 74
LM3028AH	♦NSC	66- 92
LM3028BH	♦NSC	66- 85
LM3039H	♦NSC	135- 43
LM3045D	♦NSC	130- 5
LM3046N	♦NSC	130- 6
LM3053H	♦NSC	66- 84
	SPR	
LM3054N	♦NSC	66- 76
LM3064H	♦NSC	137- 63
	SPR	
LM3064N	♦NSC	137- 64
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LM3065N01	♦NSC	141- 33
LM3065N	♦NSC	141- 34
LM3067N01	♦NSC	139- 13
LM3067N	♦NSC	139- 14
LM3070N01	♦NSC	139- 15
LM3070N	♦NSC	139- 16
	SPR	
LM3071N01	♦NSC	139- 17
LM3071N	♦NSC	139- 18
	SPR	
LM3072N	NSC	139- 19
LM3075N	♦NSC	141- 35
LM3086N	♦NSC	130- 7
LM3089N	♦NSC	141- 36
	SPR	
LM3118AH	♦NSC	130- 8
LM3118H	♦NSC	130- 9
LM3146AN	♦NSC	130- 10
LM3146N	♦NSC	130- 11
LM3301N	♦NSC	66- 52
LM3302J	♦NSC	98- 13
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LM3302N	♦NSC	98- 14
♦TII	TIIB	

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LM3401N	♦NSC	66- 53
LM3900N	♦NSC	66- 54
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	♦RTN	
LM3909N	♦SIX	110-108
LM3911H05	♦NSC	134- 19
LM3911H46	♦NSC	134- 20
LM3911N	♦NSC	134- 21
LM4250CH	♦NSC	31-110
LM4250CN	♦NSC	32- 1
LM4250H	♦NSC	31-108
LR101	♦INT	110- 67
LR102	♦INT	110- 68
LR104N	♦INT	108- 25
LR104P	♦INT	108- 26
LR505	♦LTIC	69- 17
LS505	♦LTIC	69- 18
LTA320	♦APX	71- 39
LTA709	♦APX	45- 20
LTA709C	♦APX	47- 79
LTA741	♦APX	35-108
LTA741C	♦APX	36- 30
LTA747	♦APX	35-109
LTA747C	♦APX	36- 31
LU547	♦LTIC	69- 9
M310	♦INT	109- 96
M311	♦INT	109- 97
M415	♦INT	109- 36
M416	♦INT	109- 37
M440	♦INT	108-107
M441	♦INT	109- 1
M501A	♦ANA	51- 54
M501B	♦ANA	51- 42
M501C	♦ANA	51- 43
M501D	♦ANA	51- 55
M509	♦INT	109- 87
M510	♦INT	109- 88
M530J	♦INT	110- 61
M530K	♦INT	110- 62
M530L	♦INT	110- 63
M530S	♦INT	110- 64
M540J	♦INT	108-100
M540K	♦INT	108-101
M610	♦INT	109- 8
M611	♦INT	109- 9
M5106P	MITJ	69- 93
		130- 12
M5109P	MITJ	130- 13
M5115P	MITJ	69-102
M5118L	MITJ	69- 43
M5130P	MITJ	140- 59
M5132P	MITJ	140- 60
M5134P	MITJ	74- 57
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M5135P	MITJ	137- 66
M5138P	MITJ	140- 61
M5141T	MITJ	33-102
M5143P	MITJ	137- 67
M5144P	♦MITJ	137- 68
M5152L	MITJ	69- 57
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M5153P	MITJ	142- 33
M5155P	MITJ	69- 99
M5156P	MITJ	69- 53
M5167P	MITJ	139- 20
M5168P	MITJ	139- 21
M5169P	MITJ	139- 22
M5170T	MITJ	134- 22
M5172L	MITJ	135- 63
M5172P	MITJ	135- 64
M5174P	MITJ	134- 23
M5183P	MITJ	137- 69
M5186P	♦MITJ	137- 70
M5190P	MITJ	139- 23
M5192P	MITJ	139- 24
M5193P	♦MITJ	139- 25
M5194P	♦MITJ	139- 26
M5195P	♦MITJ	137- 71
M5199AY	MITJ	90- 22
M5199T	MITJ	90- 17
JANM38510/10101AAA	none	59- 29
JANM38510/10101AAB	none	59- 30
JANM38510/10101AAC	none	59- 31
JANM38510/10101ABA	none	59- 32
JANM38510/10101ABB	none	59- 33
JANM38510/10101ABC	none	59- 34
JANM38510/10101ACA	none	59- 35
JANM38510/10101ACB	none	59- 36
JANM38510/10101ACC	none	59- 37
JANM38510/10101ADA	none	59- 38
JANM38510/10101ADB	none	59- 39
JANM38510/10101ADC	none	59- 40
JANM38510/10101AGA	none	59- 41
JANM38510/10101AGB	none	59- 42
JANM38510/10101AGC	none	59- 43
JANM38510/10101AHA	none	59- 44
JANM38510/10101AHB	none	59- 45

△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

2. TYPE No. CROSS INDEX

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JANM38510/10101AHC	none	59- 46
JANM38510/10101APA	none	59- 47
JANM38510/10101APB	none	59- 48
JANM38510/10101APC	none	59- 49
JANM38510/10101BAA	none	59- 50
JANM38510/10101BAB	none	59- 51
JANM38510/10101BAC	none	59- 52
JANM38510/10101BBA	none	59- 53
JANM38510/10101BBB	none	59- 54
JANM38510/10101BBC	none	59- 55
JANM38510/10101BCA	FSC	59- 56
JANM38510/10101BCB	FSC	59- 57
JANM38510/10101BCC	RTN	59- 58
JANM38510/10101BDA	none	59- 59
JANM38510/10101BDB	none	59- 60
JANM38510/10101BDC	none	59- 61
JANM38510/10101BGA	AMV FSC	59- 62
JANM38510/10101BGB	FSC	59- 63
JANM38510/10101BGC	AMV FSC INL NSC RTN	60- 1
JANM38510/10101BHA	FSC	60- 2
JANM38510/10101BHB	FSC	60- 3
JANM38510/10101BHC	FSC NSC	60- 4
JANM38510/10101BPA	none	60- 5
JANM38510/10101BPB	none	60- 6
JANM38510/10101BPC	RTN	60- 7
JANM38510/10101CAA	none	60- 8
JANM38510/10101CAB	none	60- 9
JANM38510/10101CAC	none	60- 10
JANM38510/10101CBA	none	60- 11
JANM38510/10101CBB	none	60- 12
JANM38510/10101CBC	none	60- 13
JANM38510/10101CCA	FSC	60- 14
JANM38510/10101CCB	FSC	60- 15
JANM38510/10101CCC	RTN	60- 16
JANM38510/10101CDA	none	60- 17
JANM38510/10101CDB	none	60- 18
JANM38510/10101CDC	none	60- 19
JANM38510/10101CGA	AMV FSC	60- 20
JANM38510/10101CGB	FSC	60- 21
JANM38510/10101CGC	AMV FSC INL NSC RTN	60- 22
JANM38510/10101CHA	FSC	60- 23
JANM38510/10101CHB	FSC	60- 24
JANM38510/10101CHC	FSC NSC	60- 25
JANM38510/10101CPA	none	60- 26
JANM38510/10101CPB	none	60- 27
JANM38510/10101CPC	RTN	60- 28
JANM38510/10102AAA	none	62- 22
JANM38510/10102AAB	none	62- 23
JANM38510/10102AAC	none	62- 24
JANM38510/10102ABA	none	62- 25
JANM38510/10102ABB	none	62- 26
JANM38510/10102ABC	none	62- 27
JANM38510/10102ACA	none	62- 28
JANM38510/10102ACB	none	62- 29
JANM38510/10102ACC	none	62- 30
JANM38510/10102ADA	none	62- 31
JANM38510/10102ADB	none	62- 32
JANM38510/10102ADC	none	62- 33
JANM38510/10102AIA	none	62- 34
JANM38510/10102AIB	none	62- 35
JANM38510/10102AIC	none	62- 36
JANM38510/10102BAA	FSC	62- 37
JANM38510/10102BAB	FSC	62- 38
JANM38510/10102BAC	FSC	62- 39
JANM38510/10102BBA	none	62- 40
JANM38510/10102BBB	none	62- 41
JANM38510/10102BBC	none	62- 42
JANM38510/10102BCA	FSC	62- 43
JANM38510/10102BCB	FSC	62- 44
JANM38510/10102BCC	none	62- 45
JANM38510/10102BDA	none	62- 46
JANM38510/10102BDB	none	62- 47
JANM38510/10102BDC	none	62- 48
JANM38510/10102BIA	FSC	62- 49
JANM38510/10102BIB	FSC	62- 50
JANM38510/10102BIC	FSC	62- 51
JANM38510/10102CAA	FSC	62- 52
JANM38510/10102CAB	FSC	62- 53
JANM38510/10102CAC	FSC	62- 54
JANM38510/10102CBA	none	62- 55
JANM38510/10102CBB	none	62- 56
JANM38510/10102CBC	none	62- 57
JANM38510/10102CCA	FSC	62- 58
JANM38510/10102CCB	FSC	63- 1
JANM38510/10102CCC	none	63- 2
JANM38510/10102CDA	none	63- 3
JANM38510/10102CDB	none	63- 4
JANM38510/10102CDC	none	63- 5
JANM38510/10102CIA	FSC	63- 6
JANM38510/10102CIB	FSC	63- 7
JANM38510/10102CIC	FSC	63- 8
JANM38510/10103ACA	NSC	58- 45
JANM38510/10103ACB	NSC	58- 46
JANM38510/10103ACC	NSC	58- 47
JANM38510/10103AGA	NSC	58- 48
JANM38510/10103AGB	none	58- 49
JANM38510/10103AGC	NSC	58- 50
JANM38510/10103AHA	NSC	58- 51
JANM38510/10103AHB	none	58- 52
JANM38510/10103AHC	NSC	58- 53
JANM38510/10103APA	none	58- 54
JANM38510/10103APB	none	58- 55
JANM38510/10103APC	none	58- 56
JANM38510/10103BCA	FSC	58- 57
JANM38510/10103BCB	FSC	58- 58
JANM38510/10103BCC	NSC	58- 59
JANM38510/10103BGA	AMV FSC	58- 60
JANM38510/10103BGB	FSC	58- 61
JANM38510/10103BGC	AMV FSC NSC	58- 62
JANM38510/10103BHA	FSC	58- 63
JANM38510/10103BHB	FSC	58- 64
JANM38510/10103BHC	FSC NSC	58- 65
JANM38510/10103BPA	none	58- 66
JANM38510/10103BPB	none	58- 67
JANM38510/10103BPC	none	58- 68
JANM38510/10103CCA	FSC	58- 69
JANM38510/10103CCB	FSC	59- 1
JANM38510/10103CCC	NSC	59- 2
JANM38510/10103CGA	AMV FSC	59- 3
JANM38510/10103CGB	FSC	59- 4
JANM38510/10103CGC	AMV FSC NSC	59- 5
JANM38510/10103CHA	FSC	59- 6
JANM38510/10103CHB	FSC	59- 7
JANM38510/10103CHC	FSC NSC	59- 8
JANM38510/10103CPA	none	59- 9
JANM38510/10103CPB	none	59- 10
JANM38510/10103CPC	none	59- 11
JANM38510/10104ACA	NSC	56- 11
JANM38510/10104ACB	NSC	56- 12
JANM38510/10104ACC	NSC	56- 13
JANM38510/10104AGA	NSC	56- 14
JANM38510/10104AGB	none	56- 15
JANM38510/10104AGC	NSC	56- 16
JANM38510/10104AHA	NSC	56- 17
JANM38510/10104AHB	none	56- 18
JANM38510/10104AHC	NSC	56- 19
JANM38510/10104APA	none	56- 20
JANM38510/10104APB	none	56- 21
JANM38510/10104APC	none	56- 22
JANM38510/10104BCA	FSC	56- 23
JANM38510/10104BCB	FSC	56- 24
JANM38510/10104BCC	none	56- 25
JANM38510/10104BGA	FSC	56- 26
JANM38510/10104BGB	FSC	56- 27
JANM38510/10104BGC	FSC NSC	56- 28
JANM38510/10104BHA	FSC	56- 29
JANM38510/10104BHB	FSC	56- 30
JANM38510/10104BHC	FSC NSC	56- 31
JANM38510/10104BPA	none	56- 32
JANM38510/10104BPB	none	56- 33
JANM38510/10104BPC	none	56- 34
JANM38510/10104CCA	FSC	56- 35
JANM38510/10104CCB	FSC	56- 36
JANM38510/10104CCC	none	56- 37
JANM38510/10104CGA	FSC	56- 38
JANM38510/10104CGB	FSC	56- 39
JANM38510/10104CGC	FSC NSC	56- 40
JANM38510/10104CHA	FSC	57- 22
JANM38510/10104CHB	FSC	56- 41
JANM38510/10104CHC	FSC NSC	56- 42
JANM38510/10104CPA	none	56- 43
JANM38510/10104CPB	none	56- 44
JANM38510/10104CPC	none	56- 45
JANM38510/10105AEA	none	61-103
JANM38510/10105AEB	none	61-104
JANM38510/10105AEC	none	61-105
JANM38510/10105AFA	none	61-106
JANM38510/10105AFB	none	62- 1
JANM38510/10105AFC	none	62- 2
JANM38510/10105BEA	none	62- 3
JANM38510/10105BEB	none	62- 4
JANM38510/10105BEC	none	62- 5
JANM38510/10105BFA	none	62- 6
JANM38510/10105BFB	none	62- 7
JANM38510/10105BFC	none	62- 8
JANM38510/10105CEA	none	62- 9
JANM38510/10105CEB	none	62- 10
JANM38510/10105CEC	none	62- 11
JANM38510/10105CFA	none	62- 12
JANM38510/10105CFB	none	62- 13
JANM38510/10105CFC	none	62- 14
JANM38510/10106AEA	none	57-103
JANM38510/10106AEB	none	57-104
JANM38510/10106AEC	none	57-105
JANM38510/10106AFA	none	58- 1
JANM38510/10106AFB	none	58- 2
JANM38510/10106AFC	none	58- 3
JANM38510/10106BEA	none	58- 4
JANM38510/10106BEB	none	58- 5
JANM38510/10106BEC	none	58- 6
JANM38510/10106BFA	none	58- 7
JANM38510/10106BFB	none	58- 8
JANM38510/10106BFC	none	58- 9
JANM38510/10106CEA	none	58- 10
JANM38510/10106CEB	none	58- 11
JANM38510/10106CEC	none	58- 12
JANM38510/10106CFA	none	58- 13
JANM38510/10106CFB	none	58- 14
JANM38510/10106CFC	none	58- 15
JANM38510/10107ACA	none	63- 9
JANM38510/10107ACB	none	63- 10
JANM38510/10107ACC	none	63- 11
JANM38510/10107AGA	none	63- 12
JANM38510/10107AGB	none	63- 13
JANM38510/10107AGC	none	63- 14
JANM38510/10107AHA	none	63- 15
JANM38510/10107AHB	none	63- 16
JANM38510/10107AHC	none	63- 17
JANM38510/10107APA	none	63- 18
JANM38510/10107APB	none	63- 19
JANM38510/10107APC	none	63- 20
JANM38510/10107BCA	none	63- 21
JANM38510/10107BCB	none	63- 22
JANM38510/10107BCC	none	63- 23
JANM38510/10107BGA	NSC	63- 24
JANM38510/10107BGB	none	63- 25
JANM38510/10107BGC	NSC	63- 26
JANM38510/10107BHA	none	63- 27
JANM38510/10107BHB	none	63- 28
JANM38510/10107BHC	none	63- 29
JANM38510/10107BPA	none	63- 30
JANM38510/10107BPB	none	63- 31
JANM38510/10107BPC	none	63- 32
JANM38510/10107CCA	none	63- 33
JANM38510/10107CCB	none	63- 34
JANM38510/10107CCC	none	63- 35
JANM38510/10107CGA	NSC	63- 36
JANM38510/10107CGB	none	63- 37
JANM38510/10107CGC	NSC	63- 38
JANM38510/10107CHA	none	63- 39
JANM38510/10107CHB	none	63- 40
JANM38510/10107CHC	none	63- 41
JANM38510/10107CPA	none	63- 42
JANM38510/10107CPB	none	63- 43
JANM38510/10107CPC	none	63- 44
JANM38510/10201AAA	none	91- 82
JANM38510/10201AAB	none	91- 83
JANM38510/10201AAC	none	91- 84
JANM38510/10201ABA	none	91- 85
JANM38510/10201ABB	none	91- 86
JANM38510/10201ABC	none	91- 87
JANM38510/10201ACA	none	92- 32
JANM38510/10201ACB	none	92- 33
JANM38510/10201ACC	none	92- 34
JANM38510/10201ADA	none	91- 88
JANM38510/10201ADB	none	91- 89
JANM38510/10201ADC	none	91- 90
JANM38510/10201AHA	none	91- 91
JANM38510/10201AHB	none	91- 92
JANM38510/10201AHC	none	91- 93
JANM38510/10201AIA	none	91- 94
JANM38510/10201AIB	none	91- 95
JANM38510/10201AIC	none	92- 1
JANM38510/10201BAA	none	92- 2
JANM38510/10201BAB	none	92- 3
JANM38510/10201BAC	none	92- 4
JANM38510/10201BBA	none	92- 5
JANM38510/10201BBB	none	92- 6
JANM38510/10201BBC	none	92- 7
JANM38510/10201BCA	FSC	92- 35
JANM38510/10201BCB	FSC	92- 36
JANM38510/10201BCC	none	92- 37
JANM38510/10201BDA	none	92- 8
JANM38510/10201BDB	none	92- 9
JANM38510/10201BDC	none	92- 10
JANM38510/10201BHA	none	92- 11
JANM38510/10201BHB	none	92- 12
JANM38510/10201BHC	none	92- 13
JANM38510/10201BIA	FSC	92- 14
JANM38510/10201BIB	FSC	92- 15
JANM38510/10201BIC	FSC	92- 16
JANM38510/10201CAA	none	92- 17
JANM38510/10201CAB	none	92- 18
JANM38510/10201CAC	none	92- 19
JANM38510/10201CBA	none	92- 20
JANM38510/10201CBB	none	92- 21
JANM38510/10201CBC	none	92- 22
JANM38510/10201CCA	FSC	92- 38
JANM38510/10201CCB	FSC	92- 39
JANM38510/10201CCC	none	92- 40
JANM38510/10201CDA	none	92- 23

△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

TYPE No.	MFRS	Pg&Line
JANM38510/10201CDB	none	92- 24
JANM38510/10201CDC	none	92- 25
JANM38510/10201CHA	none	92- 26
JANM38510/10201CHB	none	92- 27
JANM38510/10201CHC	none	92- 28
JANM38510/10201CIA	FSC	92- 29
JANM38510/10201CIB	none	92- 30
JANM38510/10201CIC	FSC	92- 31
JANM38510/10301ACA	none	99- 30
JANM38510/10301ACB	none	99- 31
JANM38510/10301ACC	none	99- 32
JANM38510/10301AGA	none	99- 33
JANM38510/10301AGB	none	99- 34
JANM38510/10301AGC	none	99- 35
JANM38510/10301AHA	none	99- 36
JANM38510/10301AHB	none	99- 37
JANM38510/10301AHC	none	99- 38
JANM38510/10301BCA	FSC	99- 39
JANM38510/10301BCB	FSC	99- 40
JANM38510/10301BCC	none	99- 41
JANM38510/10301BGA	FSC	99- 42
JANM38510/10301BGB	FSC	99- 43
JANM38510/10301BGC	FSC	99- 44
JANM38510/10301BHA	FSC	99- 45
JANM38510/10301BHB	FSC	99- 46
JANM38510/10301BHC	FSC	99- 47
JANM38510/10301CCA	FSC	99- 48
JANM38510/10301CCB	FSC	99- 49
JANM38510/10301CCC	none	99- 50
JANM38510/10301CGA	FSC	99- 51
JANM38510/10301CGB	FSC	99- 52
JANM38510/10301CGC	FSC	99- 53
JANM38510/10301CHA	FSC	99- 54
JANM38510/10301CHB	FSC	99- 55
JANM38510/10301CHC	FSC	99- 56
JANM38510/10302ACA	none	100-107
JANM38510/10302ACB	none	100-108
JANM38510/10302ACC	none	101- 1
JANM38510/10302AHA	none	101- 2
JANM38510/10302AHB	none	101- 3
JANM38510/10302AHC	none	101- 4
JANM38510/10302AIA	none	101- 5
JANM38510/10302AIB	none	101- 6
JANM38510/10302AIC	none	101- 7
JANM38510/10302BCA	FSC	101- 8
JANM38510/10302BCB	FSC	101- 9
JANM38510/10302BCC	none	101- 10
JANM38510/10302BHA	FSC	101- 11
JANM38510/10302BHB	FSC	101- 12
JANM38510/10302BHC	FSC	101- 13
JANM38510/10302BIA	FSC	101- 14
JANM38510/10302BIB	FSC	101- 15
JANM38510/10302BIC	FSC	101- 16
JANM38510/10302CCA	FSC	101- 17
JANM38510/10302CCB	FSC	101- 18
JANM38510/10302CCC	none	101- 19
JANM38510/10302CHA	FSC	101- 20

TYPE No.	MFRS	Pg&Line
JANM38510/10302CHB	FSC	101- 21
JANM38510/10302CHC	FSC	101- 22
JANM38510/10302CIA	FSC	101- 23
JANM38510/10302CIB	FSC	101- 24
JANM38510/10302CIC	FSC	101- 25
JANM38510/10303AAA	none	101- 69
JANM38510/10303AAB	none	101- 70
JANM38510/10303AAC	none	101- 71
JANM38510/10303AGA	none	101- 72
JANM38510/10303AGB	none	101- 73
JANM38510/10303AGC	none	101- 74
JANM38510/10303BAA	none	101- 75
JANM38510/10303BAB	none	101- 76
JANM38510/10303BAC	none	102- 1
JANM38510/10303BGA	none	102- 2
JANM38510/10303BGB	none	102- 3
JANM38510/10303BGC	none	102- 4
JANM38510/10303CAA	none	102- 5
JANM38510/10303CAB	none	102- 6
JANM38510/10303CAC	none	102- 7
JANM38510/10303CGA	none	102- 8
JANM38510/10303CGB	none	102- 9
JANM38510/10303CGC	none	102- 10
JANM38510/10304ACA	none	103- 56
JANM38510/10304ACB	none	103- 57
JANM38510/10304ACC	none	103- 58
JANM38510/10304AGA	none	103- 59
JANM38510/10304AGB	none	103- 60
JANM38510/10304AGC	none	103- 61
JANM38510/10304AHA	none	103- 62
JANM38510/10304AHB	none	103- 63
JANM38510/10304AHC	none	103- 64
JANM38510/10304APA	none	103- 65
JANM38510/10304APB	none	103- 66
JANM38510/10304APC	none	103- 67
JANM38510/10304BCA	FSC NSC	103- 68
JANM38510/10304BCB	AMV FSC	103- 69
JANM38510/10304BCC	NSC	103- 70
JANM38510/10304BGA	FSC NSC	103- 71
JANM38510/10304BGB	FSC	103- 72
JANM38510/10304BGC	AMV FSC NSC	103- 73
JANM38510/10304BHA	FSC NSC	103- 74
JANM38510/10304BHB	FSC	103- 75
JANM38510/10304BHC	FSC NSC	103- 76
JANM38510/10304BPA	none	103- 77
JANM38510/10304BPB	none	103- 78
JANM38510/10304BPC	none	103- 79
JANM38510/10304CCA	FSC NSC	103- 80
JANM38510/10304CCB	AMV FSC	103- 81
JANM38510/10304CCC	NSC	103- 82
JANM38510/10304CGA	FSC NSC	104- 1
JANM38510/10304CGB	FSC	104- 2
JANM38510/10304CGC	AMV FSC NSC	104- 3
JANM38510/10304CHA	FSC NSC	104- 4
JANM38510/10304CHB	FSC	104- 5
JANM38510/10304CHC	FSC NSC	104- 6

TYPE No.	MFRS	Pg&Line
JANM38510/10304CPA	none	104- 7
JANM38510/10304CPB	none	104- 8
JANM38510/10304CPC	none	104- 9
JANM38510/10305AEA	none	104- 10
JANM38510/10305AEB	none	104- 11
JANM38510/10305AEC	none	104- 12
JANM38510/10305AFA	none	104- 13
JANM38510/10305AFB	none	104- 14
JANM38510/10305AFC	none	104- 15
JANM38510/10305BEA	none	104- 16
JANM38510/10305BEB	none	104- 17
JANM38510/10305BEC	none	104- 18
JANM38510/10305BFA	none	104- 19
JANM38510/10305BFB	none	104- 20
JANM38510/10305BFC	none	104- 21
JANM38510/10305CEA	none	104- 22
JANM38510/10305CEB	none	104- 23
JANM38510/10305CEC	none	104- 24
JANM38510/10305CFA	none	104- 25
JANM38510/10305CFB	none	104- 26
JANM38510/10305CFC	none	104- 27
JANM38510/10601ACA	none	106- 78
JANM38510/10601ACB	none	106- 79
JANM38510/10601ACC	none	106- 80
JANM38510/10601AGA	none	106- 81
JANM38510/10601AGB	none	106- 82
JANM38510/10601AGC	none	106- 83
JANM38510/10601AHA	none	106- 84
JANM38510/10601AHB	none	106- 85
JANM38510/10601AHC	none	106- 86
JANM38510/10601BCA	none	106- 87
JANM38510/10601BCB	none	106- 88
JANM38510/10601BCC	none	106- 89
JANM38510/10601BGA	none	106- 90
JANM38510/10601BGB	none	106- 91
JANM38510/10601BGC	none	106- 92
JANM38510/10601BHA	none	106- 93
JANM38510/10601BHB	none	107- 1
JANM38510/10601BHC	none	107- 2
JANM38510/10601CCA	none	107- 3
JANM38510/10601CCB	none	107- 4
JANM38510/10601CCC	none	107- 5
JANM38510/10601CGA	none	107- 6
JANM38510/10601CGB	none	107- 7
JANM38510/10601CGC	none	107- 8
JANM38510/10601CHA	none	107- 9
JANM38510/10601CHB	none	107- 10
JANM38510/10601CHC	none	107- 11
JANM38510/10602ACA	none	107- 12
JANM38510/10602ACB	none	107- 13
JANM38510/10602ACC	none	107- 14
JANM38510/10602AGA	none	107- 15
JANM38510/10602AGB	none	107- 16
JANM38510/10602AGC	none	107- 17
JANM38510/10602AHA	none	107- 18
JANM38510/10602AHB	none	107- 19
JANM38510/10602AHC	none	107- 20

TYPE No.	MFRS	Pg&Line
JANM38510/10602BCA	none	107- 21
JANM38510/10602BCB	none	107- 22
JANM38510/10602BCC	none	107- 23
JANM38510/10602BGA	none	107- 24
JANM38510/10602BGB	none	107- 25
JANM38510/10602BGC	none	107- 26
JANM38510/10602BHA	none	107- 27
JANM38510/10602BHB	none	107- 28
JANM38510/10602BHC	none	107- 29
JANM38510/10602CCA	none	107- 30
JANM38510/10602CCB	none	107- 31
JANM38510/10602CCC	none	107- 32
JANM38510/10602CGA	none	107- 33
JANM38510/10602CGB	none	107- 34
JANM38510/10602CGC	none	107- 35
JANM38510/10602CHA	none	107- 36
JANM38510/10602CHB	none	107- 37
JANM38510/10602CHC	none	107- 38
JANM38510/10603AEA	none	107- 42
JANM38510/10603AEB	none	107- 43
JANM38510/10603AEC	none	107- 44
JANM38510/10603AFA	none	107- 45
JANM38510/10603AFB	none	107- 46
JANM38510/10603AFC	none	107- 47
JANM38510/10603BEA	none	107- 48
JANM38510/10603BEB	none	107- 49
JANM38510/10603BEC	none	107- 50
JANM38510/10603BFA	none	107- 51
JANM38510/10603BFB	none	107- 52
JANM38510/10603BFC	none	107- 53
JANM38510/10603CEA	none	107- 54
JANM38510/10603CEB	none	107- 55
JANM38510/10603CEC	none	107- 56
JANM38510/10603CFA	none	108- 1
JANM38510/10603CFB	none	108- 2
JANM38510/10603CFC	none	108- 3
JANM38510/10701AXA	none	78- 94
JANM38510/10701AXB	none	78- 95
JANM38510/10701AXC	none	78- 96
JANM38510/10701AYA	none	79- 26
JANM38510/10701AYB	none	79- 27
JANM38510/10701AYC	none	79- 28
JANM38510/10701BXA	none	78- 97
JANM38510/10701BXB	none	78- 98
JANM38510/10701BXC	none	78- 99
JANM38510/10701BYA	none	79- 29
JANM38510/10701BYB	none	79- 30
JANM38510/10701BYC	none	79- 31
JANM38510/10701CXA	none	78-100
JANM38510/10701CXB	none	78-101
JANM38510/10701CXC	none	79- 1
JANM38510/10701CYA	none	79- 32
JANM38510/10701CYB	none	79- 33
JANM38510/10701CYC	none	79- 34
JANM38510/10702AXA	none	79- 2
JANM38510/10702AXB	none	79- 3
JANM38510/10702AXC	none	79- 4

TYPE No.	MFRS	Pg&Line
JANM38510/10702BXA	none	79- 5
JANM38510/10702BXB	none	79- 6
JANM38510/10702BXC	none	79- 7
JANM38510/10702CXA	none	79- 8
JANM38510/10702CXB	none	79- 9
JANM38510/10702CXC	none	79- 10
JANM38510/10703AXA	none	85- 83
JANM38510/10703AXB	none	85- 84
JANM38510/10703AXC	none	85- 85
JANM38510/10703BXA	none	85- 86
JANM38510/10703BXB	none	85- 87
JANM38510/10703BXC	none	85- 88
JANM38510/10703CXA	none	85- 89
JANM38510/10703CXB	none	85- 90
JANM38510/10703CXC	none	85- 91
JANM38510/10704AXA	none	88- 72
JANM38510/10704AXB	none	88- 73
JANM38510/10704AXC	none	88- 74
JANM38510/10704BXA	none	88- 75
JANM38510/10704BXB	none	88- 76
JANM38510/10704BXC	none	88- 77
JANM38510/10704CXA	none	88- 78
JANM38510/10704CXB	none	88- 79
JANM38510/10704CXC	none	88- 80
JANM38510/10705AXA	none	94- 97
JANM38510/10705AXB	none	94- 98
JANM38510/10705AXC	none	94- 99
JANM38510/10705BXA	none	94-100
JANM38510/10705BXB	none	94-101
JANM38510/10705BXC	none	94-102
JANM38510/10705CXA	none	94-103
JANM38510/10705CXB	none	95- 1
JANM38510/10705CXC	none	95- 2
JANM38510/10706AYA	none	79- 35
JANM38510/10706AYB	none	79- 36
JANM38510/10706AYC	none	79- 37
JANM38510/10706BYA	FSC	79- 38
JANM38510/10706BYB	none	79- 39
JANM38510/10706BYC	FSC	79- 40
JANM38510/10706CYA	FSC	79- 41
JANM38510/10706CYB	none	79- 42
JANM38510/10706CYC	FSC	79- 43
JANM38510/10707AYA	none	85- 92
JANM38510/10707AYB	none	85- 93
JANM38510/10707AYC	none	85- 94
JANM38510/10707BYA	FSC	85- 95
JANM38510/10707BYB	none	85- 96
JANM38510/10707BYC	FSC	86- 1
JANM38510/10707CYA	FSC	86- 2
JANM38510/10707CYB	none	86- 3
JANM38510/10707CYC	FSC	86- 4
JANM38510/10708AYA	none	88- 92
JANM38510/10708AYB	none	88- 93
JANM38510/10708AYC	none	88- 94
JANM38510/10708BYA	FSC	88- 95
JANM38510/10708BYB	none	88- 96
JANM38510/10708BYC	FSC	89- 1

TYPE No.	MFRS	Pg&Line
JANM38510/10708CYA	FSC	89- 2
JANM38510/10708CYB	none	89- 3
JANM38510/10708CYC	FSC	89- 4
JANM38510/10709AYA	none	95- 13
JANM38510/10709AYB	none	95- 14
JANM38510/10709AYC	none	95- 15
JANM38510/10709BYA	FSC	95- 16
JANM38510/10709BYB	none	95- 17
JANM38510/10709BYC	FSC	95- 18
JANM38510/10709CYA	FSC	95- 19
JANM38510/10709CYB	none	95- 20
JANM38510/10709CYC	FSC	95- 21
JANM38510/10801AAA	none	130- 14
JANM38510/10801AAB	none	130- 15
JANM38510/10801AAC	none	130- 16
JANM38510/10801ACA	none	130- 17
JANM38510/10801ACB	none	130- 18
JANM38510/10801ACC	none	130- 19
JANM38510/10801ADA	none	130- 20
JANM38510/10801ADB	none	130- 21
JANM38510/10801ADC	none	130- 22
JANM38510/10801AMA	none	130- 23
JANM38510/10801AMB	none	130- 24
JANM38510/10801AMC	none	130- 25
JANM38510/10801BAA	none	130- 26
JANM38510/10801BAB	none	130- 27
JANM38510/10801BAC	none	130- 28
JANM38510/10801BCA	none	130- 29
JANM38510/10801BCB	none	130- 30
JANM38510/10801BCC	none	130- 31
JANM38510/10801BDA	none	130- 32
JANM38510/10801BDB	none	130- 33
JANM38510/10801BDC	none	130- 34
JANM38510/10801BMA	none	130- 35
JANM38510/10801BMB	none	130- 36
JANM38510/10801BMC	none	130- 37
JANM38510/10801CAA	none	130- 38
JANM38510/10801CAB	none	130- 39
JANM38510/10801CAC	none	130- 40
JANM38510/10801CCA	none	130- 41
JANM38510/10801CCB	none	130- 42
JANM38510/10801CCC	none	130- 43
JANM38510/10801CDA	none	130- 44
JANM38510/10801CDB	none	130- 45
JANM38510/10801CDC	none	130- 46
JANM38510/10801CMA	none	130- 47
JANM38510/10801CMB	none	130- 48
JANM38510/10801CMC	none	130- 49
JANM38510/10802AAA	none	130- 50
JANM38510/10802AAB	none	130- 51
JANM38510/10802AAC	none	130- 52
JANM38510/10802ACA	none	130- 53
JANM38510/10802ACB	none	130- 54
JANM38510/10802ACC	none	130- 55
JANM38510/10802ADA	none	130- 56
JANM38510/10802ADB	none	130- 57
JANM38510/10802ADC	none	130- 58

TYPE No.	MFRS	Pg&Line
JANM38510/10802BAA	none	130- 59
JANM38510/10802BAB	none	130- 60
JANM38510/10802BAC	none	130- 61
JANM38510/10802BCA	FSC, RCA	131- 1
JANM38510/10802BCB	FSC	131- 2
JANM38510/10802BCC	none	131- 3
JANM38510/10802BDA	none	131- 4
JANM38510/10802BDB	none	131- 5
JANM38510/10802BDC	none	131- 6
JANM38510/10802CAA	none	131- 7
JANM38510/10802CAB	none	131- 8
JANM38510/10802CAC	none	131- 9
JANM38510/10802CCA	FSC, RCA	131- 10
JANM38510/10802CCB	FSC	131- 11
JANM38510/10802CCC	none	131- 12
JANM38510/10802CDA	none	131- 13
JANM38510/10802CDB	none	131- 14
JANM38510/10802CDC	none	131- 15
M51011P	MITJ	140- 63
M51172P	MITJ	141- 37
M51177L	♦MITJ	73- 1
M51182L	MITJ	69- 44
M51201L	MITJ	98- 26
M51202L	MITJ	98- 25
M51203L	MITJ	102- 56
M51204L	MITJ	102- 57
M51205L	MITJ	98- 23
M51206L	MITJ	98- 24
M51231P	MITJ	137- 72
M51301P	♦MITJ	69-104
M51361P	MITJ	144- 66
M51401K	MITJ	135- 65
M51501L	MITJ	69- 42
M51513L	MITJ	70- 33
M51514L	♦MITJ	70- 41
M51515L	♦MITJ	70- 42
M51521L	MITJ	69- 58
M51709T	MITJ	47- 71
M51802L	MITJ	33-103
M51802P	MITJ	33-104
M51841P	MITJ	134- 24
M51843P	MITJ	134- 25
M51845L	♦MITJ	134- 26
M51846L	♦MITJ	134- 27
M51901P	MITJ	134- 28
M51903L	♦MITJ	134- 29
MA20	♦NEC	64- 26
MA30	♦NEC	64- 29
MA32	♦NEC	64- 28
MB3104	FCAJ	70- 94
MB3105	FCAJ	70- 43
MB3202	FCAJ	141- 38
MB3204	FCAJ	141- 39
MB3501K	FCAJ	75- 16
MB3602C	FCAJ	47- 80
MB3602K	FCAJ	47- 81
MB3602M	FCAJ	47- 82
MB3603C	FCAJ	38- 12
MB3603K	FCAJ	38- 13
MB3603M	FCAJ	38- 14
MB3604C	FCAJ	31- 12
MB3607C	FCAJ	45- 95
MB3607K	FCAJ	45- 96
MB3607M	FCAJ	45- 97
MB3608C	FCAJ	45- 98
MB3608K	FCAJ	45- 99
MB3608M	FCAJ	45-100
MB3609C	FCAJ	38- 15
MB3609M	FCAJ	38- 16
MB3705M	FCAJ	70- 67
MB3708	FCAJ	71- 32
MB3710	FCAJ	71- 33
MB3712	FCAJ	70- 77
MB3713	FCAJ	70- 78
MB3752C	FCAJ	93- 37
MB3752K	FCAJ	92- 66
MB3752M	FCAJ	92- 67
MB4001K	FCAJ	99- 29
MB4002K	FCAJ	101- 26
MB4102	FCAJ	142- 34
MB4103	FCAJ	142- 35
MB4204	FCAJ	97- 76
MC78L02ACG	♦MOTA	78- 23
MC78L02ACP	♦MOTA	78- 20
MC78L05ACG	♦MOTA	79- 71
MC78L05ACP	♦MOTA	79- 63
MC78L05CG	♦MOTA	79- 72
MC78L05CP	♦MOTA	79- 64
MC78L08ACG	♦MOTA	83- 42
MC78L08ACP	♦MOTA	83- 36
MC78L08CG	♦MOTA	83- 43
MC78L08CP	♦MOTA	83- 37
MC78L12ACG	♦MOTA	86- 51
MC78L12ACP	♦MOTA	86- 40
MC78L12CG	♦MOTA	86- 52
MC78L12CP	♦MOTA	86- 41

TYPE No.	MFRS	Pg&Line
MC78L15ACG	♦MOTA	88- 68
MC78L15ACP	♦MOTA	88- 57
MC78L15CG	♦MOTA	88- 69
MC78L15CP	♦MOTA	88- 58
MC78L18ACG	♦MOTA	91- 24
MC78L18ACP	♦MOTA	91- 19
MC78L18CG	♦MOTA	91- 25
MC78L18CP	♦MOTA	91- 20
MC78L24ACG	♦MOTA	95- 73
MC78L24ACP	♦MOTA	95- 66
MC78L24CG	♦MOTA	95- 74
MC78L24CP	♦MOTA	95- 67
MC78M05CG	♦MOTA	80- 36
MC78M05CT	♦MOTA	80- 48
MC78M06CG	♦MOTA	82- 6
MC78M06CT	♦MOTA	82- 11
MC78M08CG	♦MOTA	83- 69
MC78M08CT	♦MOTA	83- 74
MC78M12CG	♦MOTA	86- 46
MC78M12CT	♦MOTA	86- 62
MC78M15CG	♦MOTA	88- 63
MC78M15CT	♦MOTA	88- 85
MC78M18CG	♦MOTA	91- 23
MC78M18CT	♦MOTA	91- 32
MC78M20CG	♦MOTA	93- 93
MC78M20CT	♦MOTA	93- 99
MC78M24CG	♦MOTA	95- 70
MC78M24CT	♦MOTA	95- 82
MC79L03ACG	♦MOTA	78- 26
MC79L03ACP	♦MOTA	78- 24
MC79L03CG	♦MOTA	78- 27
MC79L03CP	♦MOTA	78- 25
MC79L05ACG	♦MOTA	79- 73
MC79L05ACP	♦MOTA	79- 65
MC79L05CG	♦MOTA	79- 74
MC79L05CP	♦MOTA	79- 66
MC79L12ACG	♦MOTA	86- 53
MC79L12ACP	♦MOTA	86- 42
MC79L12CG	♦MOTA	86- 54
MC79L12CP	♦MOTA	86- 43
MC79L15ACG	♦MOTA	88- 70
MC79L15ACP	♦MOTA	88- 59
MC79L15CG	♦MOTA	88- 71
MC79L15CP	♦MOTA	88- 60
MC79L18ACG	♦MOTA	91- 26
MC79L18ACP	♦MOTA	91- 21
MC79L18CG	♦MOTA	91- 27
MC79L18CP	♦MOTA	91- 22
MC79L24ACG	♦MOTA	95- 75
MC79L24ACP	♦MOTA	95- 69
MC79L24CG	♦MOTA	95- 76
MC79L24CP	♦MOTA	95- 68
MC1303L	♦MOTA	71- 71
MC1306P	♦MOTA	69- 68
MC1310P	♦MOTA, SPR	142- 36
MC1312P	♦MOTA	140- 64
MC1314P	♦MOTA	140- 65
MC1315P	♦MOTA	140- 66
MC1323P	♦MOTA	139- 27
MC1323PW	♦MOTA	139- 28
MC1324P	♦MOTA, SPR	139- 29
MC1327N	MULB, PHIN, ♦SIC, VALG	139- 30
MC1327P	♦MOTA, SPR	139- 31
MC1328P	SPR	139- 32
MC1329P	SPR	139- 33
MC1330A1P	♦MOTA	137- 73
MC1330A2P	♦MOTA	137- 74
MC1330P	♦MOTA	142- 69
MC1331P	♦MOTA	137- 75
MC1344P	♦MOTA	137- 76
MC1349P	♦MOTA	73- 80
MC1350P	♦MOTA	73- 62
MC1351P	♦MOTA	137- 77
MC1352P	♦MOTA	73- 68
MC1355P	♦MOTA	141- 40
MC1356P	♦MOTA, SPR	142- 70
MC1357P	♦MOTA, SPR	141- 41
MC1358P	♦MOTA, SPR	141- 42
MC1364P	♦MOTA, SPR	143- 24
MC1370P	SPR	139- 34
MC1371P	SPR	139- 35
MC1375P	♦MOTA	141- 43
MC1385P	♦MOTA	70- 48
MC1391P	♦MOTA, SPR	137- 78
MC1393P	♦MOTA	137- 79
MC1394P	♦MOTA, SPR	137- 80
MC1398P	♦MOTA, SPR	139- 36
MC1399	♦MOTA	139- 37
MC1403AP1	♦MOTA	136- 20
MC1403AU	♦MOTA	136- 21
MC1403P1	♦MOTA	136- 22
MC1403U	♦MOTA	136- 23
MC1410G	♦MOTA	74-107
MC1414F	♦MOTA	101- 46
MC1414L	♦MOTA	101- 47
MC1414P	♦MOTA	101- 48
MC1420G	♦MOTA	30- 27
MC1430F	♦MOTA	30- 11
MC1430G	♦MOTA	30- 12
MC1430P	♦MOTA	30- 13
MC1431F	♦MOTA	30- 16
MC1431G	♦MOTA	30- 17

TYPE No.	MFRS	Pg&Line
MC1431P	♦MOTA	30- 18
MC1433F	♦MOTA	50- 60
MC1433G	♦MOTA	50- 61
MC1433L	♦MOTA	50- 62
MC1433P	♦MOTA	50- 63
MC1435F	♦MOTA	30- 22
MC1435G	♦MOTA	30- 23
MC1435L	♦MOTA	30- 24
MC1436CG	♦MOTA	64- 55
MC1436G	♦MOTA	64- 57
MC1437L	♦MOTA	49-103
MC1437P	♦MOTA	49-104
MC1438R	♦MOTA	106- 48
MC1439G	♦MOTA, SPR	48- 13
MC1439L	♦MOTA, SPR	48- 14
MC1439P1	♦MOTA, SPR	48- 15
MC1439P2	♦MOTA, SPR	48- 16
MC1445F	♦MOTA	74- 50, 142- 71
MC1445G	♦MOTA	74- 51, 142- 72
MC1445L	♦MOTA	74- 52, 142- 73
MC1454G	♦MOTA	71- 24
MC1456CG	♦MOTA	41- 75
MC1456CL	♦MOTA	41- 76
MC1456F	MULB, PHIN, ♦SIC, VALG	38- 67
MC1456G	♦MOTA	38- 68
MC1456L	♦MOTA	38- 69
MC1456N	MULB, PHIN, ♦SIC, VALG	38- 70
MC1456T	MULB, PHIN, ♦SIC	38- 71
MC1456V	MULB, PHIN, SIC	38- 98
MC1458A	MULB, PHIN, SIC	45-101
MC1458CG	♦MOTA	50- 75
MC1458CL	♦MOTA	50- 76
MC1458CP1	♦MOTA	50- 77
MC1458CP2	♦MOTA	50- 78
MC1458CU	♦MOTA	50- 27
MC1458F	MULB, PHIN, ♦SIC, VALG	45-102
MC1458G	♦MOTA	46- 30
MC1458JG	♦TII	45-103
MC1458L	♦MOTA, ♦TII	46- 31
MC1458N	MULB, PHIN, ♦SIC, VALG	45-104
MC1458N-14	MULB, PHIN, ♦SIC, VALG	45-105
MC1458NG	♦MOTA	45-106
MC1458NL	♦MOTA	45-107
MC1458NP1	♦MOTA	45-108
MC1458NP2	♦MOTA	45-109
MC1458NU	♦MOTA	45-110
MC1458P1	♦MOTA	46- 32
MC1458P2	♦MOTA	46- 33
MC1458SG	♦MOTA	46- 1
MC1458SL	♦MOTA	46- 2
MC1458SP1	♦MOTA	46- 3
MC1458SP2	♦MOTA	46- 4
MC1458T	MULB, PHIN, SIC	46- 5
MC1458U	♦MOTA	46- 6
MC1458V	MULB, PHIN, SIC	46- 7
MC1460G	♦MOTA	84- 10
MC1460R	♦MOTA	84- 11
MC1461G	♦MOTA	90- 19
MC1461R	♦MOTA	90- 20
MC1463G	♦MOTA	91- 34
MC1463R	♦MOTA	91- 35
MC1466L	♦MOTA	78- 1, 127- 86
MC1468G	♦MOTA	87- 88
MC1468L	♦MOTA	87- 94
MC1468R	♦MOTA	88- 1
MC1469G	♦MOTA	90- 18
MC1469R	♦MOTA	90- 21
MC1494L	♦MOTA	109- 67
MC1495L	♦MOTA	109-104
MC1496A	MULB, PHIN, SIC	109-105
MC1496G	♦MOTA	142- 74
MC1496K	MULB, PHIN, ♦SIC	142- 75
MC1496L	♦MOTA	142- 76
MC1496N	MULB, PHIN, ♦SIC, VALG	142- 77
MC1496P	♦MOTA	142- 78
MC1503AU	♦MOTA	136- 24
MC1503U	♦MOTA	136- 25
MC1510G	♦MOTA	74-108
MC1514F	♦MOTA	101- 41
MC1514L	♦MOTA	101- 42
MC1520F	♦MOTA	30- 25
MC1520G	♦MOTA	30- 26
MC1530F	♦MOTA	30- 9
MC1530G	♦MOTA	30- 10
MC1531F	♦MOTA	30- 14
MC1531G	♦MOTA	30- 15

TYPE No.	MFRS	Pg&Line
MC1533F	♦MOTA	46- 25
MC1533G	♦MOTA	46- 26
MC1533L	♦MOTA	46- 27
MC1535F	♦MOTA	30- 19
MC1535G	♦MOTA	30- 20
MC1535L	♦MOTA	30- 21
MC1536G	♦MOTA	64- 51
MC1537L	♦MOTA	49-101
MC1538R	♦MOTA	108- 5
MC1539G	♦MOTA, SPR	44- 45
MC1539L	♦MOTA, SPR	44- 46
MC1545F	♦MOTA	74- 47, 142- 79
MC1545G	♦MOTA	74- 48, 142- 80
MC1545L	♦MOTA	74- 49, 142- 81
MC1550F	♦MOTA	73- 2
MC1550G	♦MOTA	73- 3
MC1552G	♦MOTA	74- 24
MC1553G	♦MOTA	74- 23
MC1554G	♦MOTA	71- 27
MC1556F	MULB, PHIN, ♦SIC, VALG	33- 81
MC1556G	♦MOTA	33- 82
MC1556L	♦MOTA	33- 83
MC1556N	MULB, PHIN, ♦SIC, VALG	33- 84
MC1556T	MULB, PHIN, ♦SIC	33- 85
MC1558F	MULB, PHIN, ♦SIC, VALG	43- 60
MC1558G	♦MOTA	44- 84
MC1558JG	♦TII	43- 61
MC1558L	♦MOTA, ♦TII	44- 85
MC1558N	MULB, PHIN, ♦SIC, VALG	43- 62
MC1558N-14	MULB, PHIN, ♦SIC, VALG	43- 63
MC1558NG	♦MOTA	43- 64
MC1558NL	♦MOTA	43- 65
MC1558NU	♦MOTA	43- 66
MC1558SG	♦MOTA	43- 67
MC1558SL	♦MOTA	43- 68
MC1558T	MULB, PHIN, SIC	43- 69
MC1558U	♦MOTA	43- 70
MC1560G	♦MOTA	84- 12
MC1560R	♦MOTA	84- 13
MC1561G	♦MOTA	93- 50
MC1561R	♦MOTA	93- 51
MC1563G	♦MOTA	93-100
MC1563R	♦MOTA	93-101
MC1566L	♦MOTA	78- 2, 127- 87
MC1568G	♦MOTA	87- 89
MC1568L	♦MOTA	87- 95
MC1568R	♦MOTA	88- 2
MC1569G	♦MOTA	92- 50
MC1569R	♦MOTA	93- 52
MC1590F	♦MOTA	73- 59
MC1590G	♦MOTA	73- 60
MC1594L	♦MOTA	109- 59
MC1595L	♦MOTA	109-106
MC1596G	♦MOTA	142- 82
MC1596K	MULB, PHIN, ♦SIC	142- 83
MC1596L	♦MOTA	142- 84
MC1596N	MULB, PHIN, ♦SIC, VALG	142- 85
MC1709AF	♦MOTA	41- 4
MC1709AG	♦MOTA	41- 5
MC1709AL	♦MOTA	41- 6
MC1709CF	♦MOTA	47- 83
MC1709CG	♦MOTA	47- 84
MC1709CL	♦MOTA	47- 85
MC1709CP1	♦MOTA	47- 86
MC1709CP2	♦MOTA	47- 87
MC1709F	♦MOTA	45- 2
MC1709G	♦MOTA	45- 3
MC1709L	♦MOTA	45- 4
MC1710CF	♦MOTA	99- 25
MC1710CG	♦MOTA	99- 26
MC1710CL	♦MOTA	99- 27
MC1710CP	♦MOTA	99- 28
MC1710F	♦MOTA	99- 12
MC1710G	♦MOTA	99- 13
MC1710L	♦MOTA	99- 14
MC1711CF	♦MOTA	100-103
MC1711CG	♦MOTA	100-104
MC1711CL	♦MOTA	100-105
MC1711CP	♦MOTA	100-106
MC1711F	♦MOTA	100- 85
MC1711G	♦MOTA	100- 86
MC1711L	♦MOTA	100- 87
MC1712CF	♦MOTA	66- 68
MC1712CG	♦MOTA	66- 69
MC1712CL	♦MOTA	66- 70
MC1712F	♦MOTA	66- 65
MC1712G	♦MOTA	66- 66
MC1712L	♦MOTA	66- 67
MC1723CG	♦MOTA	93- 38
MC1723CL	♦MOTA	93- 46
MC1723CP	♦MOTA	93- 45
MC1723G	♦MOTA	93- 39

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

TYPE No.	MFRS	Pg&Line
MC1723L	♦MOTA	93-47
MC1733CG	♦MOTA	75-17
MC1733CL	♦MOTA	75-18
MC1733G	♦MOTA	75-27
MC1733L	♦MOTA	75-28
MC1741CF	♦MOTA	37-29
	SPR	
MC1741CG	♦MOTA	37-30
	SPR	
MC1741CL	♦MOTA	37-31
	SPR	
MC1741CP1	♦MOTA	37-32
	SPR	
MC1741CP2	♦MOTA	37-33
	SPR	
MC1741CU	♦MOTA	37-34
	SPR	
MC1741F	♦MOTA	36-32
	SPR	
MC1741G	♦MOTA	36-33
	SPR	
MC1741L	♦MOTA	36-34
	SPR	
MC1741NCF	♦MOTA	37-35
	SPR	
MC1741NCG	♦MOTA	37-36
	SPR	
MC1741NCL	♦MOTA	37-37
	SPR	
MC1741NCP1	♦MOTA	37-38
	SPR	
MC1741NCP2	♦MOTA	37-39
	SPR	
MC1741NCU	♦MOTA	37-40
	SPR	
MC1741NF	♦MOTA	36-35
	SPR	
MC1741NG	♦MOTA	36-36
	SPR	
MC1741NL	♦MOTA	36-37
	SPR	
MC1741NU	♦MOTA	36-38
	SPR	
MC1741SCG	♦MOTA	37-41
	SPR	
MC1741SCP1	♦MOTA	37-42
	SPR	
MC1741SG	♦MOTA	36-39
	SPR	
MC1741U	♦MOTA	36-40
	SPR	
MC1747CF	♦MOTA	37-43
MC1747CG	♦MOTA	37-44
MC1747CL	♦MOTA	37-45
MC1747F	♦MOTA	36-41
MC1747G	♦MOTA	36-42
MC1747L	♦MOTA	36-43
MC1748CG	♦MOTA	37-46
MC1748G	♦MOTA	36-44
MC1776CG	♦MOTA	29-58
MC1776CP	♦MOTA	29-59
MC1776CU	♦MOTA	29-60
MC1776G	♦MOTA	29-54
MC1776U	♦MOTA	29-55
MC3301P	♦MOTA	30-66
MC3302A	MULB	98-87
PHIN	♦SIC	
MC3302L	♦MOTA	98-89
MC3302N	MULB	98-15
PHIN	♦SIC	
	VALG	
MC3302P	♦MOTA	98-90
MC3303L	♦MOTA	49-28
MC3303P	♦MOTA	49-29
MC3310P	♦MOTA	69-55
MC3320P	♦MOTA	71-103
MC3321P	♦MOTA	70-70
MC3325P	♦MOTA	134-30
MC3330P	♦MOTA	66-3
MC3333P	♦MOTA	134-31
MC3340P	♦MOTA	71-2
MC3346P	♦MOTA	131-16
MC3357P	♦MOTA	141-44
MC3358G	♦MOTA	41-28
MC3358P1	♦MOTA	41-29
MC3358U	♦MOTA	41-30
MC3360P	♦MOTA	69-70
MC3370P	♦MOTA	135-66
MC3386P	♦MOTA	131-17
MC3401P	♦MOTA	30-67
MC3403L	♦MOTA	49-32
MC3403P	♦MOTA	49-33
MC3405L	♦MOTA	49-39
		98-19
MC3405P	♦MOTA	49-40
		98-20
MC3416L	♦MOTA	131-18
MC3416P	♦MOTA	131-19
MC3420L	♦MOTA	134-32
MC3420P	♦MOTA	134-33
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MC3422T	♦MOTA	137-5
MC3423P1	♦MOTA	137-6
MC3423U	♦MOTA	137-7
MC3426L	♦MOTA	134-34
MC3430L	♦MOTA	98-45
MC3430P	♦MOTA	98-46
MC3431L	♦MOTA	98-47
MC3431P	♦MOTA	98-48
MC3432L	♦MOTA	98-49
MC3432P	♦MOTA	98-50
MC3433L	♦MOTA	98-51
MC3433P	♦MOTA	98-52
MC3458G	♦MOTA	41-31

TYPE No.	MFRS	Pg&Line
MC3458P1	♦MOTA	41-32
MC3458U	♦MOTA	41-33
MC3476G	♦MOTA	32-22
MC3476P1	♦MOTA	32-23
MC3476U	♦MOTA	32-24
MC3503L	♦MOTA	42-103
MC3505L	♦MOTA	43-11
		98-18
MC3520L	♦MOTA	134-35
MC3523U	♦MOTA	137-8
MC3558G	♦MOTA	34-29
MC3558U	♦MOTA	34-30
MC4558	♦MOTA	43-71
MC4558ACP1	♦MOTA	43-72
MC4558CG	♦MOTA	45-49
MC4558CP1	♦MOTA	45-50
MC4558CU	♦MOTA	45-51
MC4558G	♦MOTA	43-73
MC4558NCG	♦MOTA	43-74
MC4558NCP1	♦MOTA	43-75
MC4558NCU	♦MOTA	43-76
MC4558NG	♦MOTA	43-77
MC4558NU	♦MOTA	43-78
MC4558U	♦MOTA	43-79
MC4741CL	♦MOTA	48-22
MC4741CP	♦MOTA	48-23
MC4741L	♦MOTA	41-47
MC4741P	♦MOTA	41-48
MC6525P	♦MOTA	134-36
MC7805CK	♦MOTA	80-50
MC7805CT	♦MOTA	80-51
MC7806CK	♦MOTA	82-13
MC7806CT	♦MOTA	82-14
MC7808CK	♦MOTA	83-76
MC7808CT	♦MOTA	83-77
MC7812CK	♦MOTA	86-66
MC7812CT	♦MOTA	86-67
MC7815CK	♦MOTA	88-87
MC7815CT	♦MOTA	88-88
MC7818CK	♦MOTA	91-36
MC7818CT	♦MOTA	91-37
MC7824CK	♦MOTA	94-70
MC7824CT	♦MOTA	95-84
MC7902CK	♦MOTA	78-4
MC7902CT	♦MOTA	78-3
MC7905CK	♦MOTA	80-52
MC7905CT	♦MOTA	80-49
MC7905.2CK	♦MOTA	81-38
MC7905.2CT	♦MOTA	81-39
MC7906CK	♦MOTA	82-15
MC7906CT	♦MOTA	82-12
MC7908CK	♦MOTA	83-78
MC7908CT	♦MOTA	83-75
MC7912CK	♦MOTA	86-68
MC7912CT	♦MOTA	86-63
MC7915CK	♦MOTA	88-89
MC7915CT	♦MOTA	88-86
MC7918CK	♦MOTA	91-38
MC7918CT	♦MOTA	91-33
MC7924CK	♦MOTA	94-71
MC7924CT	♦MOTA	95-83
MC12002L	♦MOTA	143-40
MC12002P	♦MOTA	143-41
MC12502L	♦MOTA	143-42
MC14046AL	♦MOTA	144-67
MC14046BAL	♦MOTA	144-68
MC14046BCL	♦MOTA	144-69
MC14046BCP	♦MOTA	144-70
MC14046CL	♦MOTA	144-71
MC14046CP	♦MOTA	144-72
MC14568BAL	♦MOTA	144-73
MC14568BCL	♦MOTA	144-74
MC14568BCP	♦MOTA	144-75
MC145104P	♦MOTA	144-76
MC145106P	♦MOTA	144-77
MC145107P	♦MOTA	144-78
MC145109P	♦MOTA	144-79
MC145112P	♦MOTA	144-80
MCC100	♦CHE	66-1
MCC129	♦CHE	134-37
MCC130	♦CHE	134-38
MCC137	♦CHE	66-2
MCC139-1	♦CHE	127-88
MCC139-2	♦CHE	127-89
MCC139-3	♦CHE	127-90
MCC140	♦CHE	135-67
MCC263	♦CHE	69-45
MCC402	♦CHE	134-39
MCC1436	♦MOTA	64-54
MCC1439	♦MOTA	48-4
MCC1458	♦MOTA	45-73
MCC1463	♦MOTA	90-16
MCC1469	♦MOTA	90-109
MCC1495	♦MOTA	109-107
MCC1536	♦MOTA	64-49
MCC1539	♦MOTA	44-32
MCC1558	♦MOTA	43-55
MCC1563	♦MOTA	93-81
MCC1569	♦MOTA	93-82
MCC1595	♦MOTA	109-108
MCC1709	♦MOTA	44-106
MCC1709C	♦MOTA	47-72
MCC1710	♦MOTA	99-11
MCC1710C	♦MOTA	99-15
MCC1711	♦MOTA	100-77
MCC1711C	♦MOTA	100-83
MCC1723	♦MOTA	91-55
MCC1723C	♦MOTA	91-56
MCC1741	♦MOTA	35-110
MCC1741C	♦MOTA	36-45
MCC1748	♦MOTA	36-1
MCC1748C	♦MOTA	36-46
MCCF1458	♦MOTA	45-74
MCCF1558	♦MOTA	43-56

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MCCF1709	♦MOTA	44-107
MCCF1709C	♦MOTA	47-73
MCCF1741	♦MOTA	36-2
MCCF1741C	♦MOTA	36-47
MCCF3303	♦MOTA	48-26
MCCF3326	♦MOTA	134-40
MCCF3333	♦MOTA	134-41
MCCF3403	♦MOTA	48-29
MCCF3503	♦MOTA	41-45
MCLTC6010	♦MOTA	136-26
MCLTC6025	♦MOTA	136-27
MCLTC6050	♦MOTA	136-28
MCLTC6100	♦MOTA	136-29
MD25-2100	♦MIA	127-91
MD45-4100	♦MIA	127-92
MD85-8100	♦MIA	127-93
MF433	♦INT	110-94
MF434	♦INT	110-95
MF435	♦INT	110-96
MHQ918	♦MOTA	131-20
MHQ2483	♦MOTA	131-21
MHQ2484	♦MOTA	131-22
MHQ3798	♦MOTA	131-23
MHQ3799	♦MOTA	131-24
MHQ6001	♦MOTA	131-25
MHQ6002	♦MOTA	131-26
MHQ6100	♦MOTA	131-27
MHQ6100A	♦MOTA	131-28
MHW401-1	♦MOTA	74-27
MHW401-2	♦MOTA	74-28
MHW401-3	♦MOTA	74-29
MHW559	♦MOTA	77-30
MHW560	♦MOTA	77-6
MHW561	♦MOTA	77-7
MHW562	♦MOTA	77-8
MHW570	♦MOTA	77-31
MHW572	♦MOTA	77-32
MHW580	♦MOTA	77-9
MHW590	♦MOTA	77-40
MHW591	♦MOTA	75-64
MHW592	♦MOTA	77-39
MHW593	♦MOTA	75-65
MHW594	♦MOTA	77-26
MHW595	♦MOTA	77-34
MHW601	♦MOTA	74-61
MHW602	♦MOTA	74-60
MHW603	♦MOTA	75-62
MHW709-1	♦MOTA	74-62
MHW709-2	♦MOTA	74-63
MHW710-1	♦MOTA	74-64
MHW710-2	♦MOTA	74-65
MHW1171	♦MOTA	77-27
MHW1172	♦MOTA	77-35
MHW1182	♦MOTA	77-33
MHW1221	♦MOTA	77-29
MHW1222	♦MOTA	77-36
MHW1341	♦MOTA	77-37
MHW1342	♦MOTA	77-38
MI42080	♦MPI	146-6
MI42081	♦MPI	146-7
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MIVR42050-109	♦MPI	84-108
MIVR42050-128	♦MPI	87-32
MIVR42050-148	♦MPI	87-43
MIVR42050-158	♦MPI	89-73
MIVR42050-168	♦MPI	90-12
MIVR42050-188	♦MPI	91-62
MIVR42050-208	♦MPI	94-15
MIVR42050-224	♦MPI	94-46
MIVR42050-244	♦MPI	96-21
MIVR42050-264	♦MPI	96-33
MIVR42050-284	♦MPI	96-56
MIVR42050-304	♦MPI	96-58
MIVR42050-324	♦MPI	96-60
MIVR42050-344	♦MPI	96-62
MIVR42050-364	♦MPI	96-64
MIVR42050-410	♦MPI	78-28
MIVR42050-510	♦MPI	81-1
MIVR42050-610	♦MPI	82-54
MIVR42050-710	♦MPI	82-74
MIVR42050-810	♦MPI	83-93
MIVR42050-910	♦MPI	84-8
MIVR42051-055	♦MPI	81-2
MIVR42051-065	♦MPI	82-55
MIVR42051-075	♦MPI	82-75
MIVR42051-085	♦MPI	83-94
MIVR42051-095	♦MPI	84-9

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MIVR42051-105	♦MPI	84-109
MIVR42051-124	♦MPI	87-33
MIVR42051-144	♦MPI	87-44
MIVR42051-154	♦MPI	89-74
MIVR42051-164	♦MPI	90-13
MIVR42051-184	♦MPI	91-63
MIVR42051-204	♦MPI	94-16
MIVR42051-223	♦MPI	94-47
MIVR42051-243	♦MPI	96-22
MIVR42051-263	♦MPI	96-34
MIVR42051-283	♦MPI	96-57
MIVR42051-303	♦MPI	96-59
MIVR42051-323	♦MPI	96-61
MIVR42051-343	♦MPI	96-63
MIVR42051-363	♦MPI	96-65
ML231BDG	♦PLSB	137-81
ML231BDP	♦PLSB	137-82
ML232BDG	♦PLSB	137-83
ML232BDP	♦PLSB	137-84
ML236	♦PLSB	137-85
ML237	♦PLSB	137-86
ML238	♦PLSB	137-87
ML239	♦PLSB	137-88
MLM101AG	♦MOTA	61-56
MLM104G	♦MOTA	94-29
MLM105G	♦MOTA	94-30
MLM107G	♦MOTA	61-57
MLM108AF	♦MOTA	57-23
MLM108AG	♦MOTA	57-24
MLM108AL	♦MOTA	57-25
MLM108AU	♦MOTA	57-26
MLM108F	♦MOTA	57-75
MLM108G	♦MOTA	57-76
MLM108L	♦MOTA	57-77
MLM108U	♦MOTA	57-78
MLM109G	♦MOTA	80-53
MLM109K	♦MOTA	80-78
MLM110G	♦MOTA	107-39
MLM111G	♦MOTA	103-37
MLM124L	♦MOTA	29-3
MLM139AL	♦MOTA	97-56
MLM139L	♦MOTA	97-106
MLM158G	♦MOTA	28-41
MLM158U	♦MOTA	28-42
MLM201AG	♦MOTA	61-58
MLM201AP1	♦MOTA	61-59
MLM204G	♦MOTA	94-31
MLM205G	♦MOTA	94-32
MLM207G	♦MOTA	61-60
MLM208AF	♦MOTA	57-27
MLM208AG	♦MOTA	57-28
MLM208AL	♦MOTA	57-29
MLM208AU	♦MOTA	57-30
MLM208F	♦MOTA	57-79
MLM208G	♦MOTA	57-80
MLM208L	♦MOTA	57-81
MLM208U	♦MOTA	57-82
MLM209G	♦MOTA	80-54
MLM209K	♦MOTA	80-79
MLM210G	♦MOTA	107-40
MLM211G	♦MOTA	103-38
MLM224L	♦MOTA	29-10
MLM224P	♦MOTA	29-11
MLM239AL	♦MOTA	97-57
MLM239AP	♦MOTA	97-58
MLM239L	♦MOTA	97-107
MLM239P	♦MOTA	97-108
MLM258G	♦MOTA	28-46
MLM258P1	♦MOTA	28-47
MLM258U	♦MOTA	28-48
MLM301AG	♦MOTA	39-93
MLM301AP1	♦MOTA	39-94
MLM301AU	♦MOTA	39-95
MLM304G	♦MOTA	89-30
MLM305G	♦MOTA	89-31
MLM307G	♦MOTA	39-96
MLM308AF	♦MOTA	33-2
MLM308AG	♦MOTA	33-3
MLM308AL	♦MOTA	33-4
MLM308AU	♦MOTA	33-5
MLM308F	♦MOTA	33-52
MLM308G	♦MOTA	33-53
MLM308L	♦MOTA	33-54
MLM308P1	♦MOTA	33-55
MLM308U	♦MOTA	33-56
MLM309G	♦MOTA	80-55
MLM309K	♦MOTA	80-80
MLM310G	♦MOTA	107-41
MLM311G	♦MOTA	104-58
MLM311P1	♦MOTA	104-59
MLM324L	♦MOTA	29-12
MLM324P	♦MOTA	29-13
MLM339AL	♦MOTA	97-59
MLM339AP	♦MOTA	97-60
MLM339L	♦MOTA	97-109
MLM339P	♦MOTA	97-110
MLM358G	♦MOTA	28-49
MLM358P1	♦MOTA	28-50
MLM358U	♦MOTA	28-51

TYPE No.	MFRS	Pg&Line
MLM565CP	♦MOTA	144-81
MLM2901P	♦MOTA	97-80
MLM2902P	♦MOTA	28-104
MM20	MDI	71-90
MM5840N	♦NSC	137-89
MM5841N	♦NSC	137-90
MM53100N	♦NSC	137-91
MM53104N	♦NSC	137-92
MM53105N	♦NSC	137-93
MM55104N	♦NSC	144-82
MM55106N	♦NSC	144-83
MM55114N	♦NSC	144-84
MM55116N	♦NSC	144-85
MN350	♦MNC	110-55
MN350H	♦MNC	110-56
MN351	♦MNC	110-57
MN351H	♦MNC	110-58
MN352	♦MNC	110-59
MN352H	♦MNC	110-60
MN2000	♦MNC	136-30
MN2000H	♦MNC	136-31
MN2001	♦MNC	136-32
MN2001H	♦MNC	136-33
MN2002	♦MNC	136-34
MN2002H	♦MNC	136-35
MN2003	♦MNC	136-36
MN2003H	♦MNC	136-37
MN2004	♦MNC	136-38
MN2004H	♦MNC	136-39
MN2005	♦MNC	136-40
MN2005H	♦MNC	136-41
MN2020	♦MNC	54-27
MN2120	♦MNC	142-86
MN2120H	♦MNC	142-87
MN2200	♦MNC	67-57
MP1.5.1000-2.12.100	SCD	119-7
MP1.5.1000-2.15.100	SCD	119-8
MP1.5.225-2.12.40	SCD	119-9
MP1.5.225-2.15.40	SCD	119-10
MP1.5.300-2.12.150	SCD	119-11
MP1.5.300-2.15.150	SCD	119-12
MP1.5.500-2.12.100	SCD	119-13
MP1.5.500-2.15.100	SCD	119-14
MP1.5.750-2.12.150	SCD	119-15
MP1.5.750-2.15.150	SCD	119-16
MPQ918	♦MOTA	131-29
MPQ2001	♦MOTA	131-30
MPQ2221	♦MOTA	131-31
	SPR	
MPQ2221N	♦MOTA	131-32
MPQ2222	♦MOTA	131-33
	SPR	
MPQ2222N	♦MOTA	131-34
MPQ2483	♦MOTA	131-35
	SPR	
MPQ2483-1	♦MOTA	131-36
MPQ2483-2	♦MOTA	131-37
MPQ2484	♦MOTA	131-38
	SPR	
MPQ2484-1	♦MOTA	131-39
MPQ2484-2	♦MOTA	131-40
MPQ2906	♦MOTA	131-41
	SPR	
MPQ2906N	♦MOTA	131-42
MPQ2907	♦MOTA	131-43
	SPR	
MPQ2907N	♦MOTA	131-44
MPQ3798	♦MOTA	131-45
	SPR	
MPQ3798-1	♦MOTA	131-46
MPQ3798-2	♦MOTA	131-47
MPQ3799	♦MOTA	131-48
	SPR	
MPQ3799-1	♦MOTA	131-49
MPQ3799-2	♦MOTA	131-50
MPQ3904	♦MOTA	131-51
	SPR	
MPQ3906	♦MOTA	131-52
	SPR	
MPQ6001	♦MOTA	131-53
	SPR	
MPQ6001N	♦MOTA	131-54
MPQ6002	♦MOTA	131-55
	SPR	
MPQ6002N	♦MOTA	131-56
MPQ6100	♦MOTA	131-57
	SPR	
MPQ6100A	♦MOTA	131-58
	SPR	
MPQ6426	♦MOTA	131-59
MPQ6427	♦MOTA	131-60
MPQ6501	♦MOTA	131-61
	SPR	
MPQ6501N	♦MOTA	131-62
MPQ6502	♦MOTA	131-63
	SPR	
MPQ6502N	♦MOTA	131-64
MPQ6600	♦MOTA	131-65
	SPR	
MPQ6600-1	♦MOTA	131-66
MPQ6600-2	♦MOTA	131-67
MPQ6600A1	♦MOTA	131-68
MPQ6600A2	♦MOTA	131-69

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♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

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MPQ6600A	♦MOTA	131- 70
	SPR	
MPQ6700	♦MOTA	131- 71
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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PM902A	♦CPR	128-9
PM902B	♦CPR	128-10
PM903	♦CPR	128-11
PM903A	♦CPR	128-12
PM903B	♦CPR	128-13
PM904	♦CPR	128-14
PM904A	♦CPR	128-15
PM904B	♦CPR	128-16
PM911	♦CPR	128-17
PM911A	♦CPR	128-18
PM911B	♦CPR	128-19
PM912	♦CPR	128-20
PM912A	♦CPR	128-21
PM912B	♦CPR	128-22
PM913	♦CPR	128-23
PM913A	♦CPR	128-24
PM913B	♦CPR	128-25
PM914	♦CPR	128-26
PM914A	♦CPR	128-27
PM914B	♦CPR	128-28
PM951	♦CPR	128-29
PM951A	♦CPR	128-30
PM951B	♦CPR	128-31
PM952	♦CPR	128-32
PM952A	♦CPR	128-33
PM952B	♦CPR	128-34
PM961	♦CPR	128-35
PM961A	♦CPR	128-36
PM961B	♦CPR	128-37
PM962	♦CPR	128-38
PM962A	♦CPR	128-39
PM962B	♦CPR	128-40
PM1458J	♦PMI	46-8
PM1558J	♦PMI	43-80
PM4136	♦PMI	52-102
PM4136C	♦PMI	52-105
PS24-2100	♦MIA	128-41
PS44-4100	♦MIA	128-42
PS84-8100	♦MIA	128-43
PSR1	♦MIA	128-44
PT107	♦PHO	135-68
PTC701-RT	♦MAL	141-49
PTC703-RT	♦MAL	141-50
PTC705-RT	♦MAL	139-44
PTC707-RT	♦MAL	139-45
PTC708-RT	♦MAL	139-46
PTC709-RT	♦MAL	140-67
PTC711-RT	♦MAL	140-68
PTC713-RT	♦MAL	140-69
PTC715-RT	♦MAL	144-100
PTC717-RT	♦MAL	141-51
PTC719-RT	♦MAL	139-47
PTC721-RT	♦MAL	140-70
PTC723-RT	♦MAL	141-52
PTC726-RT	♦MAL	137-96

TYPE No.	MFRS	Pg&Line
PTC728-RT	♦MAL	139-48
PTC729-RT	♦MAL	140-71
PTC730-RT	♦MAL	139-49
PTC731-RT	♦MAL	137-97
PTC732-RT	♦MAL	140-72
PTC733-RT	♦MAL	139-50
PTC734-RT	♦MAL	141-53
PTC735-RT	♦MAL	140-73
PTC736-RT	♦MAL	141-54
PTC737-RT	♦MAL	141-55
PTC738-RT	♦MAL	140-74
PTC739-RT	♦MAL	139-51
PTC740-RT	♦MAL	71-78
PTC741-RT	♦MAL	139-52
PTC742-RT	♦MAL	140-75
PTC743-RT	♦MAL	141-56
PTC744-RT	♦MAL	141-57
PTC745-RT	♦MAL	137-98
PTC746-RT	♦MAL	137-99
PTC747-RT	♦MAL	137-100
PTC754-RT	♦MAL	137-101
PTC756-RT	♦MAL	141-58
PTC757-RT	♦MAL	71-28
PTC758-RT	♦MAL	139-53
PTC759-RT	MAL	71-31
PTC762-RT	♦MAL	140-76
PTC765-RT	♦MAL	140-77
PTC767-RT	♦MAL	141-59
PTC769-RT	♦MAL	139-54
PTC776-RT	♦MAL	139-55
PTC778-RT	MAL	139-56
PTC780-RT	♦MAL	135-51
PTC781-RT	♦MAL	137-102
PTC801-RT	MAL	70-30
PTC802-RT	MAL	71-23
PTC803-RT	MAL	70-4
PTC804-RT	MAL	71-87
		73-107
		137-103
PTC805-RT	MAL	71-42
PTC806-RT	MAL	71-30
PTC807-RT	MAL	73-20
		141-60
PTC808-RT	MAL	73-93
PTC809-RT	MAL	71-40
PTC810-RT	MAL	70-40
PTC1741-RT	MAL	37-49
PVS10B-A	♦SRL	84-33
PVS10B-B	♦SRL	84-34
PVS10B-C	♦SRL	84-35
PVS10C-A	♦SRL	84-36
PVS10C-B	♦SRL	84-37
PVS10C-C	♦SRL	84-38
PVS10G-A	♦SRL	84-39
PVS10G-B	♦SRL	84-40
PVS10G-C	♦SRL	84-41
PVS10GA-A	♦SRL	84-42
PVS10H-A	♦SRL	84-43
PVS10H-B	♦SRL	84-44
PVS10H-C	♦SRL	84-45
PVS10H-D	♦SRL	84-46
PVS10J-A	♦SRL	84-47
PVS10J-B	♦SRL	84-48
PVS10J-C	♦SRL	84-49
PVS10K-A	♦SRL	84-50
PVS10K-B	♦SRL	84-51
PVS10K-C	♦SRL	84-52
PVS10K-D	♦SRL	84-53
PVS10M-A	♦SRL	84-54
PVS10M-B	♦SRL	84-55
PVS10M-C	♦SRL	84-56
PVS10N-A	♦SRL	84-57
PVS10N-B	♦SRL	84-58
PVS10N-C	♦SRL	84-59
PVS10N-D	♦SRL	84-60
PVSN10B-A	♦SRL	84-61
PVSN10B-B	♦SRL	84-62
PVSN10B-C	♦SRL	84-63
PVSN10C-A	♦SRL	84-64
PVSN10C-B	♦SRL	84-65
PVSN10C-C	♦SRL	84-66
PVSN10G-A	♦SRL	84-67
PVSN10G-B	♦SRL	84-68
PVSN10G-C	♦SRL	84-69
PVSN10H-A	♦SRL	84-70
PVSN10H-B	♦SRL	84-71
PVSN10H-C	♦SRL	84-72
PVSN10H-D	♦SRL	84-73
PVSN10J-A	♦SRL	84-74
PVSN10J-B	♦SRL	84-75
PVSN10J-C	♦SRL	84-76
PVSN10K-A	♦SRL	84-77
PVSN10K-B	♦SRL	84-78
PVSN10K-C	♦SRL	84-79
PVSN10K-D	♦SRL	84-80
PVSN10M-A	♦SRL	84-81
PVSN10M-B	♦SRL	84-82
PVSN10M-C	♦SRL	84-83
PVSN10N-A	♦SRL	84-84
PVSN10N-B	♦SRL	84-85
PVSN10N-C	♦SRL	84-86
PVSN10N-D	♦SRL	84-87
R101	♦INT	110-83
		134-48
R301	♦INT	134-49
R310	♦INT	134-50
R401	♦INT	134-51
R675B-1	HBC	84-15
R675B-2	HBC	84-16
R675B-3	HBC	84-19
R675B-4	HBC	84-20
R675B-5	HBC	84-21
R675B-6	HBC	84-22
R675B-7	HBC	84-23

TYPE No.	MFRS	Pg&Line
R675B-8	HBC	84-24
R675C-1	HBC	84-17
R675C-2	HBC	84-18
R675C-3	HBC	84-25
R675C-4	HBC	84-26
R675C-5	HBC	84-27
R675C-6	HBC	84-28
R675C-7	HBC	84-29
R675C-8	HBC	84-30
R1862-3062	♦MIA	128-45
RC101ABL	♦RTN	54-3
RC104BL	♦RTN	89-26
RC105BL	♦RTN	90-33
RC106BL	♦RTN	105-42
RC702DC	♦RTN	31-1
RC702T	♦RTN	30-106
RC709BL	♦RTN	51-19
RC709DC	♦RTN	47-88
RC709NB	♦RTN	47-74
RC709T	♦RTN	47-89
RC710BL	♦RTN	100-47
RC710DB	♦RTN	100-43
RC710DC	♦RTN	100-48
RC710Q	♦RTN	100-44
RC710T	♦RTN	100-49
RC711BL	♦RTN	100-76
RC711DC	RTN	100-73
RC711T	♦RTN	100-74
RC723DB	♦RTN	93-25
RC723DC	♦RTN	93-26
RC723T	♦RTN	93-27
RC725DE	♦RTN	44-28
RC725T	♦RTN	44-44
RC733DB	♦RTN	75-9
RC733DC	♦RTN	75-52
RC733T	♦RTN	75-60
RC733TF	♦RTN	77-2
RC741DB	♦RTN	36-50
	SPR	
RC741DC	♦RTN	37-50
	SPR	
RC741DE	♦RTN	36-51
	SPR	
RC741NB	♦RTN	36-52
	SPR	
RC741Q	♦RTN	37-51
	SPR	
RC741T	♦RTN	37-52
	SPR	
RC747DB	♦RTN	45-75
RC747DC	♦RTN	45-76
RC747T	♦RTN	45-77
RC748BL	♦RTN	37-53
RC748DE	♦RTN	37-54
RC748NB	♦RTN	37-55
RC748T	♦RTN	37-56
RC1414D	♦RTN	101-49
RC1437DB	♦RTN	49-105
RC1437DC	♦RTN	49-106
RC1458DE	♦RTN	50-73
RC1458NB	♦RTN	50-79
RC1458T	♦RTN	50-80
RC1556ANB	RTN	54-4
RC1556AT	♦RTN	54-5
RC1556NB	♦RTN	34-27
RC1556T	♦RTN	34-28
RC1741BL	♦RTN	36-53
RC3078DE	♦RTN	29-105
RC3078NB	♦RTN	29-106
RC3078T	♦RTN	29-107
RC3301N	♦RTN	53-67
RC3302DB	♦RTN	98-72
RC3401DB	♦RTN	53-68
RC3403ADB	♦RTN	43-86
RC3403ADC	♦RTN	43-87
RC3403DB	♦RTN	43-84
RC3403DC	♦RTN	43-85
RC4131NB	♦RTN	33-78
RC4131T	♦RTN	33-100
RC4132BL	♦RTN	31-101
RC4132DE	♦RTN	31-102
RC4132NB	♦RTN	31-90
RC4132T	♦RTN	31-98
RC4136DB	♦RTN	51-63
	SPR	
RC4136DC	♦RTN	51-64
RC4136J	SPR	52-106
	♦TII	
RC4136N	SPR	52-107
	♦TII	
RC4151DE	♦RTN	112-50
RC4151NB	♦RTN	112-51
RC4151T	♦RTN	112-52
RC4152DE	♦RTN	112-33
RC4152NB	♦RTN	112-34
RC4152T	♦RTN	112-35
RC4156DB	♦RTN	48-101
RC4156DC	♦RTN	48-102
RC4157DB	♦RTN	48-103
RC4157DC	♦RTN	48-104
RC4194DB	♦RTN	89-89
RC4194DC	♦RTN	80-39
RC4194TK	♦RTN	80-56
RC4195NB	♦RTN	93-68
RC4195T	♦RTN	93-69
RC4195TK	♦RTN	93-71
RC4200ADE	♦RTN	108-74
RC4200ANB	♦RTN	108-75
RC4200DE	♦RTN	108-76
RC4200NB	♦RTN	108-77
RC4531DC	♦RTN	51-65
RC4531NB	♦RTN	51-66
RC4531T	♦RTN	51-67
RC4558DE	♦RTN	45-78

TYPE No.	MFRS	Pg&Line
RC4558JG	♦TII	46-9
RC4558L	♦TII	46-10
RC4558NB	♦RTN	46-11
RC4558P	♦TII	46-12
RC4558T	♦RTN	46-13
RC4739DB	♦RTN	49-100
RE5S500	SCD	80-93
RE12D100	SCD	87-4
RE15D100	SCD	89-43
RE24D100	SCD	95-85
REF01AJ	♦PMI	136-42
REF01CJ	♦PMI	136-43
REF01DJ	♦PMI	136-44
REF01EJ	♦PMI	136-45
REF01HJ	♦PMI	136-46
REF01J	♦PMI	136-47
REF02AJ	♦PMI	136-48
REF02CJ	♦PMI	136-49
REF02DJ	♦PMI	136-50
REF02EJ	♦PMI	136-51
REF02HJ	♦PMI	136-52
REF02J	♦PMI	136-53
RM101ABL	♦RTN	54-2
RM104BL	♦RTN	94-23
RM105BL	♦RTN	94-59
RM106BL	♦RTN	105-41
RM702DC	♦RTN	30-107
RM702Q	♦RTN	30-96
RM702T	♦RTN	30-97
RM709ABL	♦RTN	39-27
RM709ADC	♦RTN	39-28
RM709AQ	♦RTN	39-29
RM709AT	♦RTN	39-30
RM709BL	♦RTN	41-44
RM709CQ	♦RTN	43-7
RM709DC	♦RTN	43-8
RM709Q	♦RTN	43-9
RM709T	♦RTN	43-10
RM710ABL	♦RTN	99-16
RM710ADC	RTN	99-17
RM710AQ	♦RTN	99-18
RM710AT	♦RTN	99-19
RM710BL	♦RTN	99-58
RM710DC	♦RTN	99-59
RM710Q	♦RTN	99-60
RM710T	♦RTN	99-61
RM711BL	♦RTN	100-75
RM723DC	♦RTN	93-28
RM723T	♦RTN	93-29
RM725DE	♦RTN	40-56
RM725T	♦RTN	40-55
RM733CQ	♦RTN	75-36
RM733DC	♦RTN	75-53
RM733T	♦RTN	75-61
RM741CQ	♦RTN	36-54
RM741DC	♦RTN	36-55
	SPR	
RM741DE	♦RTN	36-56
	SPR	
RM741Q	♦RTN	36-57
	SPR	
RM741T	♦RTN	36-58
	SPR	
RM747DC	♦RTN	45-66
RM747T	♦RTN	45-67
RM748BL	♦RTN	37-57
RM748DE	♦RTN	37-58
RM748T	♦RTN	37-59
RM1514DC	RTN	101-43
RM1537DC	♦RTN	49-102
RM1556AT	♦RTN	33-94
RM1556T	♦RTN	33-95
RM1558DE	♦RTN	43-81
RM1558T	♦RTN	43-57
RM1741BL	♦RTN	37-60
RM3078ADE	♦RTN	29-69
RM3078AT	♦RTN	29-70
RM3503ADC	♦RTN	41-49
RM3503DC	♦RTN	41-46
RM4131Q	♦RTN	33-79
RM4131T	♦RTN	33-80
RM4132BL	♦RTN	31-99
RM4132DE	♦RTN	31-100
RM4132T	♦RTN	31-91
RM4136CJ	♦RTN	52-103
RM4136DC	♦RTN	51-59
RM4136J	♦TII	52-104
RM4151DE	♦RTN	112-53
RM4151T	♦RTN	112-54
RM4152DE	♦RTN	112-36
RM4152T	♦RTN	112-37
RM4156DC	♦RTN	44-50
RM4157DC	♦RTN	44-51
RM4194DC	♦RTN	81-3
RM4194TK	♦RTN	81-4
RM4195T	♦RTN	93-70
RM4195TK	♦RTN	93-72
RM4200ADE	♦RTN	108-78
RM4200DE	♦RTN	108-79
RM4531DC	♦RTN	48-17
RM4531T	♦RTN	48-18
RM4558DE	♦RTN	45-79
RM4558JG	♦TII	45-80
RM4558L	♦TII	45-81
RM4558T	♦RTN	45-82
RM4559DE	♦RTN	45-43
RM4559T	♦RTN	45-44
RP12-3/5	♦RLB	128-46
RP12-5/5	♦RLB	128-47
RP12-9/5	♦RLB	128-48
RV555DC	RTN	111-10
RV555NB	RTN	111-11
RV556DC	RTN	111-13
RV3301DB	♦RTN	30-65

TYPE No.	MFRS	Pg&Line
RV3403ADB	♦RTN	43-88
RV3403ADC	♦RTN	43-89
RV4136DB	♦RTN	52-108
RV4136DC	♦RTN	52-109
RV4151DE	♦RTN	112-55
RV4151NB	♦RTN	112-56
RV4151T	♦RTN	112-57
RV4152DE	♦RTN	112-38
RV4152NB	♦RTN	112-39
RV4156DB	♦RTN	48-78
RV4156DC	♦RTN	48-79
RV4157DB	♦RTN	48-105
RV4157DC	♦RTN	48-106
RV4200ADE	♦RTN	108-80
RV4200ANB	♦RTN	108-81
RV4200DE	♦RTN	108-82
RV4200NB	♦RTN	108-83
RV4558DE	♦RTN	46-14
RV4558NB	♦RTN	46-15
RV4559DE	♦RTN	45-52
RV4559NB	♦RTN	45-53
S041E	♦SIEG	141-61
S041P	♦SIEG	141-62
S042E	♦SIEG	143-43
S042P	♦SIEG	143-44
S100	SSE	111-14
S200	SSE	111-15
S0280	SIEG	142-89
S0281	SIEG	142-90
S551	SIEG	142-91
S552	SIEG	142-92
S1001	♦BTRG	82-66
S1002	♦BTRG	82-67
S1003	♦BTRG	87-2
S1004	♦BTRG	87-3
S1005	♦BTRG	93-102
S1006	♦BTRG	93-103
S1007	♦BTRG	82-68
S1008	♦BTRG	82-69
S1009	♦BTRG	87-5
S1010	♦BTRG	87-6
S1011	♦BTRG	93-104
S1012	♦BTRG	93-105
S1013	♦BTRG	82-70
S1014	♦BTRG	82-71
S1015	♦BTRG	87-15
S1016	♦BTRG	87-16
S1017	♦BTRG	94-1
S1018	♦BTRG	94-2
S1019	♦BTRG	96-68
S1020	♦BTRG	96-69
S1021	♦BTRG	82-72
S1022	♦BTRG	82-73
S1023	♦BTRG	87-25
S1024	♦BTRG	87-26
S1025	♦BTRG	94-13
S1026	♦BTRG	94-14
S1027	♦BTRG	96-66
S1028	♦BTRG	96-67
SA534A	MULB	28-94
	PHIN ♦SIC	
SA534F	MULB	28-67
	PHIN ♦SIC	
SA534N	MULB	28-68
	PHIN SIC	
	VALG	
SA539A	MULB	98-1
	PHIN ♦SIC	
SAA1020	♦INTG	139-57
SAA1021	♦INTG	139-58
SAA1024	♦INTG	137-104
SAA1025	♦INTG	137-105
SAA1027	MULB	134-52
	♦PHIN ♦RTCF	
	SIC	
SAA1028	♦RTCF	134-53
SAA1130	♦INTG	139-59
SAK110	NPC	134-54
	THCF	
SAK115	NPC	134-55
	THCF	
SAK135	NPC	134-56
	THCF	
SAS560S	♦SIEG	137-106
SAS570S	♦SIEG	137-107
SAS580	♦SIEG	134-57
SAS590	♦SIEG	134-58
SAS660	♦ALGG	137-108
SAS660Q	♦ALGG	137-109
SAS660S	PHIB	137-110
SAS670	♦ALGG	138-1
SAS670Q	♦ALGG	138-2
SAS670S	PHIB	138-3
SAS6600	♦ALGG	138-4
SAS6600Q	♦ALGG	138-5
SAS6610	♦ALGG	138-6
SAS6610Q	♦ALGG	138-7
SAS6700	♦ALGG	138-8
SAS6700Q	♦ALGG	138-9
SAS6710	♦ALGG	138-10
SAS6710Q	♦ALGG	138-11
SAY115	NPC	134-59
	THCF	
SCL4046BC	♦SSS	144-101
SCL4046BD	♦SSS	144-102
SCL4046BE	♦SSS	144-103
SCL4046BF	♦SSS	144-104
SCL4046BH	♦SSS	144-105
SCL4446BC	♦SSS	144-106
SCL4446BD	♦SSS	144-107
SCL4446BE	♦SSS	144-108
SCL4446BF	♦SSS	144-109
SCL4446BH	♦SSS	144-110
SD25-2100	MIA	128-49

∆-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
SD45-4100	MIA	128-50
SD85-8100	MIA	128-51
SE5D100	SCD	120-56
SE5D100E	SCD	120-57
SE5D250	SCD	120-58
SE5D250E	SCD	120-59
SE5S250	SCD	120-60
SE5S250E	SCD	120-61
SE5S500	♦SCD	120-62
SE5S500E	♦SCD	120-63
SE5S1000	♦SCD	120-64
SE5S1000E	♦SCD	120-65
SE10S200	SCD	120-66
SE10S200E	SCD	120-67
SE12D50	SCD	120-68
SE12D50E	SCD	120-69
SE12D100	♦SCD	120-70
SE12D100E	♦SCD	120-71
SE12D200	♦SCD	120-72
SE12D200E	♦SCD	120-73
SE12S200	SCD	120-74
SE12S200E	SCD	120-75
SE15D50	SCD	120-76
SE15D50E	SCD	120-77
SE15D100	♦SCD	120-78
SE15D100E	♦SCD	120-79
SE15D200	♦SCD	120-80
SE15D200E	♦SCD	120-81
SE15S200	SCD	120-82
SE15S200E	SCD	120-83
SE18D50	SCD	120-84
SE18D50E	SCD	120-85
SE18D100	SCD	120-86
SE18D100E	SCD	120-87
SE18S100	SCD	120-88
SE18S100E	SCD	120-89
SE20S100	SCD	120-90
SE20S100E	SCD	120-91
SE24D50	SCD	120-92
SE24D50E	SCD	120-93
SE24S100	SCD	120-94
SE24S100E	SCD	120-95
SE28S100	SCD	120-96
SE28S100E	SCD	120-97
SE501A	MULB	74-11
PHIN	♦SIC	
SE501K	MULB	74-12
PHIN	♦SIC	
SE510A△	MULB	73-58
PHIN	♦SIC	
SE510A#1	MULB	73-40
PHIN	SIC	
SE510A#2	MULB	73-43
PHIN	SIC	
SE511B	MULB	66-26
PHIN	♦SIC	73-41
SE515A	MULB	66-8
PHIN	SIC	
SE515K	MULB	66-9
PHIN	SIC	
SE526A	MULB	98-29
PHIN	SIC	
SE526K	MULB	98-30
PHIN	♦SIC	
SE527K	MULB	101-53
PHIN	SIC	
SE529K	MULB	101-54
PHIN	SIC	
SE531T	MULB	48-19
PHIN	♦SIC	
SE532T	MULB	28-8
PHIN	♦SIC	
SE532V	MULB	28-9
PHIN	♦SIC	
SE535T	♦VALG	35-95
SE535V	♦VALG	35-96
SE540L	MULB	72-46
PHIN	♦SIC	
SE550K	MULB	93-55
PHIN	SIC	
SE550L	MULB	94-39
PHIN	SIC	
SE562B	MULB	145-1
PHIN	♦SIC	
SE562F	MULB	145-2
PHIN	♦SIC	
SE565K	MULB	145-3
PHIN	♦SIC	
SE566T	MULB	110-40
PHIN	♦SIC	
SE567T	MULB	134-60
PHIN	♦SIC	
SE592FH	♦MOTA	74-88
SE592K	MULB	75-32
PHIN	SIC	
SE592K△	♦MOTA	74-89
SE902	♦SCD	120-98
SE902A	♦SCD	120-99
SE902E	♦SCD	120-100
SE902I	♦SCD	120-101
SE903	♦SCD	120-102
SE903A	♦SCD	120-103
SE903E	♦SCD	120-104
SE904	♦SCD	120-105
SE904A	♦SCD	120-106
SE904E	♦SCD	120-107
SE904I	♦SCD	120-108
SE905	♦SCD	120-109
SE905A	♦SCD	120-110
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SE915	♦SCD	121-2
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SE915I	♦SCD	121-5

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SFC2008	NPC ♦THCF	73-7
SFC2011	NPC ♦THCF	73-10
SFC2018M	NPC THCF	132-11
SFC2046E	NPC THCF	132-12
SFC2054EC	NPC THCF	66-77
SFC2100M	NPC THCF	89-106
SFC2101A	NPC THCF	61-61
SFC2101APM	NPC THCF	61-62
SFC2104M	NPC ♦THCF	94-24
SFC2105M	NPC ♦THCF	94-54
SFC2107M	NPC THCF	61-63
SFC2107PM	NPC THCF	61-64
SFC2108AM	NPC THCF	56-1
SFC2108M	NPC THCF	56-2
SFC2108PM	NPC THCF	56-3
SFC2109M	NPC THCF	80-3
SFC2109RM	NPC THCF	80-4
SFC2110M	NPC THCF	55-29
SFC2111M	NPC THCF	105-46
SFC2118M	NPC THCF	50-2
SFC2150RM	NPC THCF	69-96
SFC2200	NPC THCF	89-105
SFC2201A	NPC THCF	61-81
SFC2201APT	NPC THCF	59-25
SFC2204	NPC ♦THCF	94-25
SFC2205	NPC ♦THCF	94-55
SFC2207	NPC THCF	61-82
SFC2207PT	NPC THCF	61-83
SFC2208	NPC THCF	56-4
SFC2208A	NPC THCF	56-5
SFC2208PT	NPC THCF	56-6
SFC2209	NPC THCF	80-5
SFC2209R	NPC THCF	80-6
SFC2210	NPC THCF	55-30
SFC2211	NPC THCF	105-47
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SFC2300	NPC THCF	84-110
SFC2301A	NPC THCF	39-97
SFC2301ADC	NPC THCF	39-98
SFC2304	NPC ♦THCF	89-27
SFC2305	NPC ♦THCF	90-36
SFC2307	NPC THCF	43-27
SFC2307DC	NPC THCF	43-28
SFC2308	NPC THCF	55-31
SFC2308A	NPC THCF	55-32
SFC2308DC	NPC THCF	55-33
SFC2309	NPC THCF	80-7
SFC2309R	NPC THCF	80-8
SFC2310	NPC THCF	55-26
SFC2310DC	NPC THCF	55-27
SFC2310EC	NPC THCF	55-28
SFC2311	NPC THCF	105-48
SFC2311DC	NPC THCF	105-49
SFC2311EC	NPC THCF	105-50
SFC2315DC	NPC THCF	31-78

TYPE No.	MFRS	Pg&Line
SFC2318EC	NPC THCF	51-72
SFC2376DC	NPC THCF	89-88
SFC2458C	NPC THCF	50-81
SFC2458DC	NPC THCF	50-82
SFC2458M	NPC THCF	44-86
SFC2524EC	NPC THCF	98-91
SFC2524KM	NPC THCF	98-92
SFC2525EC	NPC THCF	98-66
SFC2525KM	NPC THCF	98-67
SFC2528EC	NPC THCF	98-68
SFC2528KM	NPC THCF	98-69
SFC2529EC	NPC THCF	98-70
SFC2529KM	NPC THCF	98-71
SFC2590M	NPC THCF	73-61
SFC2709A	NPC THCF	34-48
SFC2709AE	NPC THCF	34-50
SFC2709AP	NPC THCF	41-7
SFC2709C	NPC THCF	34-98
SFC2709DC	NPC THCF	47-54
SFC2709EC	NPC THCF	47-55
SFC2709EM	NPC THCF	45-5
SFC2709ET	NPC THCF	47-59
SFC2709M	NPC THCF	34-99
SFC2709PM	NPC THCF	45-6
SFC2709T	NPC THCF	47-60
SFC2710C	NPC THCF	99-3
SFC2710EC	NPC THCF	100-50
SFC2710EM	NPC THCF	99-62
SFC2710M	NPC THCF	99-2
SFC2710PM	NPC THCF	99-63
SFC2711C	NPC THCF	99-6
SFC2711EC	NPC THCF	101-33
SFC2711EM	NPC THCF	100-88
SFC2711M	NPC THCF	99-7
SFC2711PM	NPC THCF	100-89
SFC2723C	NPC THCF	92-69
SFC2723EC	NPC THCF	93-30
SFC2723EM	NPC THCF	93-31
SFC2723M	NPC THCF	92-70
SFC2741C	NPC THCF	35-25
SFC2741DC	NPC THCF	35-26
SFC2741DT	NPC THCF	37-61
SFC2741EC	NPC THCF	35-27
SFC2741EM	NPC THCF	35-4
SFC2741M	NPC THCF	35-5
SFC2741PM	NPC THCF	35-6
SFC2747C	NPC THCF	37-62
SFC2747EC	NPC THCF	37-63
SFC2747KM	NPC THCF	36-59
SFC2747M	NPC THCF	36-60
SFC2748C	NPC THCF	35-28
SFC2748DC	NPC THCF	35-29
SFC2748M	NPC THCF	35-30
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SFC2761C	NPC ♦THCF	44-52
SFC2761DC	NPC ♦THCF	44-53
SFC2761DT	NPC THCF	55-69

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SFC2761M	NPC THCF	55-66
SFC2761PM	NPC THCF	55-67
SFC2761T	NPC THCF	55-68
SFC2776C	NPC THCF	55-40
SFC2776DC	NPC THCF	55-41
SFC2776EC	NPC THCF	55-42
SFC2776EM	NPC THCF	55-34
SFC2776M	NPC THCF	55-35
SFC2776PM	NPC THCF	55-36
SFC2778C	NPC THCF	55-43
SFC2778DC	NPC THCF	55-44
SFC2778EC	NPC THCF	55-45
SFC2778KM	NPC THCF	55-37
SFC2778M	NPC THCF	55-38
SFC2778PM	NPC THCF	55-39
SFC2790C	NPC THCF	69-84
SFC2790M	NPC THCF	69-85
SFC2805EC	NPC THCF	80-9
SFC2805RC	NPC THCF	80-10
SFC2806EC	NPC THCF	81-93
SFC2806RC	NPC THCF	81-94
SFC2808EC	NPC THCF	83-45
SFC2808RC	NPC THCF	83-46
SFC2812EC	NPC THCF	86-11
SFC2812RC	NPC THCF	86-12
SFC2815EC	NPC THCF	88-16
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SFC2818EC	NPC THCF	90-110
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SFC2824EC	NPC THCF	95-32
SFC2824RC	NPC THCF	95-33
SFC2861C	NPC ♦THCF	31-23
SFC2861DC	NPC ♦THCF	31-24
SFC2861DT	NPC ♦THCF	31-25
SFC2861M	NPC ♦THCF	31-26
SFC2861PM	NPC ♦THCF	31-27
SFC2861T	NPC ♦THCF	31-28
SG100T	♦SGL	90-2
SG101AJ	♦SGL	60-63
SG101AT	♦SGL	60-64
SG101J	♦SGL	60-35
SG101T	♦SGL	60-36
SG102J	♦SGL	45-16
SG102T	♦SGL	45-17
SG104F	SGL	94-26
SG104T	♦SGL	94-27
SG105T	♦SGL	94-57
SG107J	♦SGL	60-65
SG107T	♦SGL	60-66
SG108AJ	♦SGL	32-84
SG108AT	♦SGL	32-85
SG108J	♦SGL	33-28
SG108T	♦SGL	33-29
SG109K	♦SGL	80-59
SG109T	♦SGL	80-40
SG110J	♦SGL	55-80
SG110T	♦SGL	55-81
SG111J	♦SGL	103-39
SG111M	♦SGL	105-38
SG111T	♦SGL	103-40
SG117K	♦SGL	91-74
SG117R	SGL	91-65
SG117T	♦SGL	91-68
SG120-05K	♦SGL	78-47
SG120-05R	♦SGL	78-48
SG120-05T	♦SGL	78-49
SG120-5.2K	♦SGL	81-8
SG120-5.2R	♦SGL	81-9
SG120-5.2T	♦SGL	81-10
SG120-8K	♦SGL	82-80
SG120-8R	♦SGL	82-81
SG120-8T	♦SGL	82-82
SG120-12K	♦SGL	85-73
SG120-12R	♦SGL	85-74
SG120-12T	♦SGL	85-75
SG120-15K	♦SGL	88-18
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SG120-15T	♦SGL	88-20
SG123K	♦SGL	78-41
SG124J	♦SGL	28-88
SG139AJ	♦SGL	98-82
SG139J	♦SGL	98-2
SG140-05K	♦SGL	78-50
SG140-05R	♦SGL	78-51
SG140-05T	♦SGL	78-52
SG140-06K	♦SGL	81-45
SG140-06R	♦SGL	81-46
SG140-06T	♦SGL	81-47
SG140-08K	♦SGL	82-83
SG140-08R	♦SGL	82-84
SG140-08T	♦SGL	82-85
SG140-12K	♦SGL	85-24
SG140-12R	♦SGL	85-25
SG140-12T	♦SGL	85-26
SG140-15K	♦SGL	87-53
SG140-15R	♦SGL	87-54
SG140-15T	♦SGL	87-55
SG140-18K	♦SGL	90-72
SG140-18R	♦SGL	90-73
SG140-18T	♦SGL	90-74
SG140-24K	♦SGL	94-72
SG140-24R	♦SGL	94-73
SG140-24T	♦SGL	94-74
SG200N	♦SGL	90-1
SG200T	♦SGL	90-3
SG201AJ	♦SGL	60-67
SG201AM	♦SGL	60-68
SG201AN	♦SGL	60-69
SG201AT	♦SGL	61-80
SG201J	♦SGL	60-49
SG201M	♦SGL	60-50
SG201N	♦SGL	60-51
SG201T	♦SGL	60-52
SG202J	♦SGL	45-32
SG202M	♦SGL	45-33
SG202N	♦SGL	45-34
SG202T	♦SGL	45-35
SG204T	♦SGL	94-28
SG205N	♦SGL	94-56
SG205T	♦SGL	94-58
SG207J	♦SGL	60-70
SG207M	♦SGL	60-71
SG207N	♦SGL	60-72
SG207T	♦SGL	60-73
SG208AJ	♦SGL	32-86
SG208AM	♦SGL	32-87
SG208AT	♦SGL	32-88
SG208J	♦SGL	33-30
SG208M	♦SGL	33-31
SG208T	♦SGL	33-32
SG209K	♦SGL	80-60
SG209T	♦SGL	80-41
SG210J	♦SGL	55-82
SG210M	♦SGL	55-83
SG210N	♦SGL	55-84
SG210T	♦SGL	55-85
SG211J	♦SGL	103-41
SG211M	♦SGL	103-42
SG211T	♦SGL	103-43
SG217K	♦SGL	91-75
SG217R	SGL	91-66
SG217T	♦SGL	91-69
SG220-05K	♦SGL	78-53
SG220-05R	♦SGL	78-54
SG220-05T	♦SGL	78-55
SG220-5.2K	♦SGL	81-11
SG220-5.2R	♦SGL	81-12
SG220-5.2T	♦SGL	81-13
SG220-8K	♦SGL	82-86
SG220-8R	♦SGL	82-87
SG220-8T	♦SGL	82-88
SG220-12K	♦SGL	85-76
SG220-12R	♦SGL	85-77
SG220-12T	♦SGL	85-78
SG220-15K	♦SGL	88-21
SG220-15R	♦SGL	88-22
SG220-15T	♦SGL	88-23
SG223K	♦SGL	78-42
SG224J	♦SGL	28-95
SG224N	♦SGL	28-96
SG239AJ	♦SGL	98-83
SG239AN	♦SGL	98-84
SG239J	♦SGL	98-3
SG239N	♦SGL	98-4
SG300N	♦SGL	85-1
SG300T	♦SGL	85-2
SG301AJ	♦SGL	39-44
SG301AM	♦SGL	39-45
SG301AN	♦SGL	39-46
SG301AT	♦SGL	39-47
SG301N	SGL	39-99
SG301T	SGL	39-100
SG302J	♦SGL	45-37
SG302M	♦SGL	45-38
SG302N	♦SGL	45-39
SG302T	♦SGL	45-40
SG304T	♦SGL	89-28
SG305AM	♦SGL	94-66
SG305AN	♦SGL	94-67
SG305M	♦SGL	90-24
SG305N	♦SGL	90-40
SG305T	♦SGL	90-45
SG307J	♦SGL	39-48
SG307M	♦SGL	39-49
SG307N	♦SGL	39-50
SG307T	♦SGL	39-51
SG308AJ	♦SGL	33-7
SG308AM	♦SGL	33-8
SG308AT	♦SGL	33-9
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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SG309T	♦SGL	80-42
SG310J	♦SGL	55-71
SG310M	♦SGL	55-72
SG310N	♦SGL	55-73
SG310T	♦SGL	55-74
SG311J	♦SGL	104-76
SG311M	♦SGL	104-77
SG311T	♦SGL	104-78
SG317K	♦SGL	91-76
SG317R	SGL	91-67
SG317T	♦SGL	91-70
SG320-05K	♦SGL	78-56
SG320-05P	♦SGL	78-57
SG320-05R	♦SGL	78-58
SG320-05T	♦SGL	78-59
SG320-5.2K	♦SGL	81-14
SG320-5.2P	♦SGL	81-15
SG320-5.2R	♦SGL	81-16
SG320-5.2T	♦SGL	81-17
SG320-8K	♦SGL	82-89
SG320-8P	♦SGL	82-90
SG320-8R	♦SGL	82-91
SG320-8T	♦SGL	82-92
SG320-12K	♦SGL	85-79
SG320-12P	♦SGL	85-80
SG320-12R	♦SGL	85-81
SG320-12T	♦SGL	85-82
SG320-15K	♦SGL	88-24
SG320-15P	♦SGL	88-25
SG320-15R	♦SGL	88-26
SG320-15T	♦SGL	88-27
SG323K	♦SGL	78-43
SG324J	♦SGL	28-97
SG324N	♦SGL	28-98
SG339AJ	♦SGL	98-85
SG339AN	♦SGL	98-86
SG339J	♦SGL	98-5
SG339N	♦SGL	98-6
SG340-05K	♦SGL	78-60
SG340-05P	♦SGL	78-61
SG340-05R	♦SGL	78-62
SG340-05T	♦SGL	78-63
SG340-06K	♦SGL	81-48
SG340-06P	♦SGL	81-49
SG340-06R	♦SGL	81-50
SG340-06T	♦SGL	81-51
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SG340-08P	♦SGL	82-94
SG340-08R	♦SGL	82-95
SG340-08T	♦SGL	82-96
SG340-12K	♦SGL	85-27
SG340-12P	♦SGL	85-28
SG340-12R	♦SGL	85-29
SG340-12T	♦SGL	85-30
SG340-15K	♦SGL	87-56
SG340-15P	♦SGL	87-57
SG340-15R	♦SGL	87-58
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SG710J	♦SGL	100-59
SG710T	♦SGL	99-64
SG711CJ	♦SGL	100-56
SG711CN	♦SGL	100-57
SG711CT	♦SGL	100-58
SG711J	♦SGL	100-11
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SG723CJ	♦SGL	93-40
SG723CN	♦SGL	92-41
SG723CT	♦SGL	92-51
SG723J	♦SGL	93-41
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SG741CJ	♦SGL	35-32
SG741CM	♦SGL	35-33
SG741CN	♦SGL	35-34
SG741CT	♦SGL	35-35
SG741J	♦SGL	35-7
SG741SCM	♦SGL	38-28
SG741SCT	♦SGL	38-29
SG741ST	♦SGL	38-21
SG741T	♦SGL	35-8
SG747CJ	♦SGL	35-36
SG747CN	♦SGL	35-37
SG747CT	♦SGL	35-38
SG747J	♦SGL	35-9
SG747T	♦SGL	35-10
SG748CJ	♦SGL	35-39
SG748CM	♦SGL	35-40
SG748CN	♦SGL	35-41
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SG748J	♦SGL	35-11
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SG777CJ	♦SGL	38-45
SG777CM	♦SGL	38-46
SG777CN	♦SGL	38-47
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SG777T	♦SGL	38-36
SG1118AJ	♦SGL	33-11
SG1118AT	♦SGL	33-12
SG1118J	♦SGL	33-33
SG1118T	♦SGL	33-34
SG1217J	♦SGL	36-61
SG1217T	♦SGL	36-62
SG1250M	♦SGL	31-92
SG1250T	♦SGL	31-93
SG1401J	♦SGL	74-68
SG1401N	♦SGL	74-76
SG1401T	♦SGL	74-69
SG1402J	♦SGL	74-42
		108-65
SG1402N	♦SGL	74-38
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SG1402T	♦SGL	74-43
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SG1436CT	♦SGL	64-56
SG1436M	♦SGL	64-58
SG1436T	♦SGL	64-59
SG1456CT	♦SGL	41-77
SG1456T	♦SGL	38-72
SG1458M	♦SGL	50-74
SG1458T	♦SGL	46-28
SG1468J	♦SGL	87-96
SG1468N	♦SGL	87-78
SG1468T	♦SGL	87-84
SG1495J	♦SGL	109-10
SG1495N	♦SGL	109-11
SG1496J	♦SGL	142-93
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SG1501AT	♦SGL	89-82
SG1502J	♦SGL	93-62
SG1511J	♦SGL	92-52
SG1511T	♦SGL	92-53
SG1524J	♦SGL	133-28
SG1532J	♦SGL	96-30
SG1532T	♦SGL	96-28
SG1536T	♦SGL	64-52
SG1556T	♦SGL	33-86
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SG1595J	♦SGL	109-12
SG1596J	♦SGL	142-96
SG1596T	♦SGL	142-97
SG1660J	♦SGL	32-97
SG1660M	♦SGL	32-98
SG1660T	♦SGL	32-99
SG1760J	♦SGL	32-100
SG1760M	♦SGL	32-101
SG1760T	♦SGL	32-102
SG2001J	♦SGL SPR	132-13
SG2002J	♦SGL SPR	132-14
SG2002N	♦SGL SPR	132-15
SG2003J	♦SGL SPR	132-16
SG2003N	♦SGL SPR	132-17
SG2118AJ	♦SGL	33-13
SG2118AM	♦SGL	33-14
SG2118AT	♦SGL	33-15
SG2118J	♦SGL	33-35
SG2118M	♦SGL	33-36
SG2118T	♦SGL	33-37
SG2250M	♦SGL	31-94
SG2250T	♦SGL	31-95
SG2401J	♦SGL	74-70
SG2401N	♦SGL	74-71
SG2401T	♦SGL	74-72
SG2402J	♦SGL	74-44
		108-68
SG2402N	♦SGL	74-45
		108-69
SG2402T	♦SGL	74-46
		108-70
SG2501AJ	♦SGL	89-86
SG2501AN	♦SGL	89-80
SG2501AT	♦SGL	89-83
SG2502J	♦SGL	93-63
SG2502N	♦SGL	93-61
SG2524J	♦SGL	133-29
SG2532J	♦SGL	96-31
SG2532T	♦SGL	96-29
SG3001T	♦SGL	74-79
SG3018AJ	♦SGL	132-18
SG3018AN	♦SGL	132-19
SG3018AT	♦SGL	132-20
SG3018J	♦SGL	132-21
SG3018N	♦SGL	132-22
SG3018T	♦SGL	132-23
SG3045J	♦SGL	132-24
SG3045N	♦SGL	132-25
SG3046J	♦SGL	132-26
SG3046N	♦SGL	132-27
SG3058J	♦SGL	135-69
SG3059N	♦SGL	135-70
SG3079J	♦SGL	135-71
SG3079N	♦SGL	135-72
SG3081J	♦SGL SPR	132-28
SG3081N	♦SGL SPR	132-29
SG3082J	♦SGL SPR	132-30

TYPE No.	MFRS	Pg&Line
SG3082N	♦SGL SPR	132-31
SG3083J	♦SGL	132-32
SG3083N	♦SGL	132-33
SG3086J	♦SGL SPR	132-34
SG3086N	♦SGL SPR	132-35
SG3118AJ	♦SGL	33-17
SG3118AM	♦SGL	33-18
SG3118AT	♦SGL	33-16
SG3118J	♦SGL	32-50
SG3118M	♦SGL	32-51
SG3118T	♦SGL	32-52
SG3146J	♦SGL	132-36
SG3146N	♦SGL	132-37
SG3183AJ	♦SGL	132-38
SG3183AN	SGL	132-39
SG3183J	♦SGL	132-40
SG3183N	♦SGL	132-41
SG3217J	♦SGL SPR	37-64
SG3217M	♦SGL SPR	37-65
SG3217T	♦SGL SPR	37-66
SG3250M	♦SGL	31-96
SG3250T	♦SGL	31-97
SG3401J	♦SGL	74-73
SG3401N	♦SGL	74-74
SG3401T	♦SGL	74-75
SG3402J	♦SGL	74-39
		108-71
SG3402N	♦SGL	74-40
		108-72
SG3402T	♦SGL	74-41
		108-73
SG3501AJ	♦SGL	89-78
SG3501AN	♦SGL	89-76
SG3501AT	♦SGL	89-77
SG3502J	♦SGL	90-15
SG3502N	♦SGL	90-14
SG3511J	♦SGL	92-54
SG3511T	♦SGL	92-55
SG3524J	♦SGL	133-30
SG3532J	♦SGL	93-97
SG3532T	♦SGL	93-94
SG3821J	♦SGL SPR	132-42
SG3821N	♦SGL SPR	132-43
SG3822J	♦SGL SPR	132-44
SG3822N	♦SGL SPR	132-45
SG3822T	♦SGL SPR	132-46
SG3823N	♦SGL	132-47
SG3851J	♦SGL	132-48
SG3852J	♦SGL	132-49
SG3853J	♦SGL	132-50
SG4194CJ	♦SGL	89-92
SG4194CR	♦SGL	89-94
SG4194MJ	♦SGL	94-36
SG4194MR	♦SGL	94-37
SG4250CM	♦SGL	29-87
SG4250CT	♦SGL	29-88
SG4250M	♦SGL	29-75
SG4250T	♦SGL	29-79
SG4501J	♦SGL	89-87
SG4501N	♦SGL	89-81
SG4501T	♦SGL	89-84
SG7805ACK	♦SGL	78-64
SG7805ACP	♦SGL	78-65
SG7805ACR	♦SGL	78-66
SG7805ACT	♦SGL	78-67
SG7805AK	♦SGL	78-68
SG7805AR	♦SGL	78-69
SG7805AT	♦SGL	78-70
SG7805CK	♦SGL	78-71
SG7805CP	♦SGL	78-72
SG7805CR	♦SGL	78-73
SG7805CT	♦SGL	78-74
SG7805K	♦SGL	78-75
SG7805R	♦SGL	78-76
SG7805T	♦SGL	78-77
SG7806ACK	♦SGL	81-52
SG7806ACP	♦SGL	81-53
SG7806ACR	♦SGL	81-54
SG7806ACT	♦SGL	81-55
SG7806AK	♦SGL	81-56
SG7806AR	♦SGL	81-57
SG7806AT	♦SGL	81-58
SG7806CK	♦SGL	81-59
SG7806CP	♦SGL	81-60
SG7806CR	♦SGL	81-61
SG7806CT	♦SGL	81-62
SG7806K	♦SGL	81-63
SG7806R	♦SGL	81-64
SG7806T	♦SGL	81-65
SG7808ACK	♦SGL	82-97
SG7808ACP	♦SGL	82-98
SG7808ACR	♦SGL	82-99
SG7808ACT	♦SGL	82-100
SG7808AK	♦SGL	82-101
SG7808AR	♦SGL	82-102
SG7808AT	♦SGL	82-103
SG7808CK	♦SGL	82-104
SG7808CP	♦SGL	82-105
SG7808CR	♦SGL	82-106
SG7808CT	♦SGL	82-107
SG7808K	♦SGL	82-108
SG7808R	♦SGL	82-109
SG7808T	♦SGL	82-110

TYPE No.	MFRS	Pg&Line
SG7812ACK	♦SGL	85-31
SG7812ACP	♦SGL	85-32
SG7812ACR	♦SGL	85-33
SG7812ACT	♦SGL	85-34
SG7812AK	♦SGL	85-35
SG7812AR	♦SGL	85-36
SG7812AT	♦SGL	85-37
SG7812CK	♦SGL	85-38
SG7812CP	♦SGL	85-39
SG7812CR	♦SGL	85-40
SG7812CT	♦SGL	85-41
SG7812K	♦SGL	85-42
SG7812R	♦SGL	85-43
SG7812T	♦SGL	85-44
SG7815ACK	♦SGL	87-60
SG7815ACP	♦SGL	87-61
SG7815ACR	♦SGL	87-62
SG7815ACT	♦SGL	87-63
SG7815AK	♦SGL	87-64
SG7815AR	♦SGL	87-65
SG7815AT	♦SGL	87-66
SG7815CK	♦SGL	87-67
SG7815CP	♦SGL	87-68
SG7815CR	♦SGL	87-69
SG7815CT	♦SGL	87-70
SG7815K	♦SGL	87-71
SG7815R	♦SGL	87-72
SG7815T	♦SGL	87-73
SG7818ACK	♦SGL	90-79
SG7818ACP	♦SGL	90-80
SG7818ACR	♦SGL	90-81
SG7818ACT	♦SGL	90-82
SG7818AK	♦SGL	90-83
SG7818AR	♦SGL	90-84
SG7818AT	♦SGL	90-85
SG7818CK	♦SGL	90-86
SG7818CP	♦SGL	90-87
SG7818CR	♦SGL	90-88
SG7818CT	♦SGL	90-89
SG7818K	♦SGL	90-90
SG7818R	♦SGL	90-91
SG7818T	♦SGL	90-92
SG7824ACK	♦SGL	94-79
SG7824ACP	♦SGL	94-80
SG7824ACR	♦SGL	94-81
SG7824ACT	♦SGL	94-82
SG7824AK	♦SGL	94-83
SG7824AR	♦SGL	94-84
SG7824AT	♦SGL	94-85
SG7824CK	♦SGL	94-86
SG7824CP	♦SGL	94-87
SG7824CR	♦SGL	94-88
SG7824CT	♦SGL	94-89
SG7824K	♦SGL	94-90
SG7824R	♦SGL	94-91
SG7824T	♦SGL	94-92
SG7905CK	♦SGL	78-78
SG7905CP	♦SGL	78-79
SG7905CR	♦SGL	78-80
SG7905CT	♦SGL	78-81
SG7905K	♦SGL	78-82
SG7905R	♦SGL	78-83
SG7905T	♦SGL	78-84
SG7905.2CK	♦SGL	81-18
SG7905.2CP	♦SGL	81-19
SG7905.2CR	♦SGL	81-20
SG7905.2CT	♦SGL	81-21
SG7905.2K	♦SGL	81-22
SG7905.2R	♦SGL	81-23
SG7905.2T	♦SGL	81-24
SG7908CK	♦SGL	83-1
SG7908CP	♦SGL	83-2
SG7908CR	♦SGL	83-3
SG7908CT	♦SGL	83-4
SG7908K	♦SGL	83-5
SG7908R	♦SGL	83-6
SG7908T	♦SGL	83-7
SG7912CK	♦SGL	85-45
SG7912CP	♦SGL	85-46
SG7912CR	♦SGL	85-47
SG7912CT	♦SGL	85-48
SG7912K	♦SGL	85-49
SG7912R	♦SGL	85-50
SG7912T	♦SGL	85-51
SG7915CK	♦SGL	87-74
SG7915CP	♦SGL	87-75
SG7915CR	♦SGL	87-76
SG7915CT	♦SGL	87-77
SG7915K	♦SGL	88-28
SG7915R	♦SGL	88-29
SG7915T	♦SGL	88-30
SI1010G	SAKJ	72-4
SI1020G	SAKJ	72-39
SI1020GL	SAKJ	72-40
SI1030G	SAKJ	72-54
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SI1050G	SAKJ	72-63
SI1050GL	SAKJ	72-64
SI1050GS	SAKJ	64-71
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SI3120E	SAKJ	87-34
SI3120G	SAKJ	87-28
SI3120M	SAKJ	87-27
SI3150E	SAKJ	89-79
SI3150G	SAKJ	89-69
SI3150M	SAKJ	89-75
SI3240E	SAKJ	96-25
SI3240G	SAKJ	96-17
SI3551M	SAKJ	80-81
SI3552M	SAKJ	80-82
SI3554M	SAKJ	80-84
SI3580M	SAKJ	84-107
SK3022-RT	RCA	138-12
SK3023-RT	RCA	138-13

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SK3070-RT	RCA	143-25
SK3071-RT	RCA	140-78
SK3072-RT	RCA	140-79
SK3073-RT	RCA	139-60
SK3074-RT	RCA	139-61
SK3075-RT	RCA	139-62
SK3076-RT	RCA	139-63
SK3077-RT	RCA	139-64
SK3078-RT	RCA	142-37
SK3101-RT	RCA	138-14
SK3102-RT	RCA	138-15
SK3514-RT	RCA	53-101
SL355	♦PLSB	142-98
SL439	♦PLSB	138-16
SL440DG	♦PLSB	135-73
SL440DP	♦PLSB	135-74
SL442DG	♦PLSB	145-4
SL442DP	♦PLSB	145-5
SL447	♦PLSB	135-75
SL448	♦PLSB	135-76
SL449	♦PLSB	135-77
SL501A	♦PLSB	73-33
SL501B	♦PLSB	73-28
SL502A	♦PLSB	73-34
SL502B	♦PLSB	73-29
SL503A	♦PLSB	73-48
SL503B	♦PLSB	73-46
SL510C	♦PLSB	73-14
SL511C	♦PLSB	73-15
SL521A	♦PLSB	74-18
SL521B	♦PLSB	74-16
SL521C	♦PLSB	74-21
SL525C	♦PLSB	108-16
SL530C	♦PLSB	108-17
SL541C	♦PLSB	77-4
SL550C	♦PLSB	74-15
SL550D	♦PLSB	74-25
SL551A	♦PLSB	73-31
SL551B	♦PLSB	73-32
SL552A	♦PLSB	73-35
SL552B	♦PLSB	73-30
SL553A	♦PLSB	73-49
SL553B	♦PLSB	73-47
SL560C	♦PLSB	74-26
SL571A	♦PLSB	74-19
SL571B	♦PLSB	74-17
SL571C	♦PLSB	74-22
SL610C	♦PLSB	73-8
SL611C	♦PLSB	73-9
SL612C	♦PLSB	73-5
SL613C	♦PLSB	141-63
SL620C	♦PLSB	143-38
SL621C	♦PLSB	143-39
SL622C	♦PLSB	140-80
SL623C	♦PLSB	141-64
SL624C	♦PLSB	141-65
SL630C	♦PLSB	70-23
		140-81
SL640C	♦PLSB	142-99
SL641C	♦PLSB	142-100
SL650B	♦PLSB	145-6
SL650C	♦PLSB	145-7
SL651B	♦PLSB	145-8
SL651C	♦PLSB	145-9
SL652C	♦PLSB	145-10
SL664	♦PLSB	141-66
SL665	♦PLSB	141-67
SL680C	♦PLSB	134-61
SL701B	♦PLSB	31-59
SL701C	♦PLSB	31-63
SL702B	♦PLSB	31-60
SL702C	♦PLSB	31-64
SL717A	♦PLSB	101-67
SL717C	♦PLSB	101-68
SL748A	♦PLSB	36-63
SL748C	♦PLSB	37-67
SL751BE	♦PLSB	31-61
SL751BF	♦PLSB	31-62
SL751CE	♦PLSB	31-65
SL751CF	♦PLSB	31-66
SL758	♦PLSB	140-82
SL901B	♦PLSB	139-65
SL917B	♦PLSB	139-66
SL1020A	♦PLSB	134-62
SL1021A	♦PLSB	134-63
SL1021B	♦PLSB	134-64
SL1025B	♦PLSB	142-101
SL1030C	♦PLSB	74-54
SL1202C	♦PLSB	69-41
SL1203C	♦PLSB	69-52
SL1205	♦PLSB	69-36
SL1310DG	♦PLSB	140-83
SL1310DP	♦PLSB	140-84
SL1495	♦PLSB	109-109
SL1496#1	♦PLSB	142-102
SL1496#2	♦PLSB	142-103
SL1521	♦PLSB	141-68
SL1595	♦PLSB	109-110
SL1596#1	♦PLSB	142-104
SL1596#2	♦PLSB	142-105
SL1696	♦PLSB	142-106
SL1796	♦PLSB	142-107
SL3045	SPR	132-51
SL3046	SPR	132-52
SL3145	SPR	132-53
SM50-18	♦INT	121-6
SM60-12	♦INT	121-7
SM60-15	♦INT	121-8
SM100-12	♦INT	121-9
SM100-15	♦INT	121-10
SM100-18	♦INT	121-11
SM110CJ	♦SIX	134-65
SM200-12	♦INT	121-12
SM200-15	♦INT	121-13

△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

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SM300-12	♦INT	121-14
SM300-15	♦INT	121-15
SM300/5-150/12	♦INT	121-16
SM300/5-150/15	♦INT	121-17
SM500-5	♦INT	121-18
SM1000-5	♦INT	121-19
SM2000-5	♦INT	121-20
SN52L022JP	TIIB	32-32
SN52L022L	TIIB	32-33
SN52L044JA	TIIB	32-55
SN72L022L	TIIB	32-34
SN72L022P	TIIB	32-35
SN72L044JA	TIIB	32-65
SN72L044N	TIIB	32-66
SN521A	♦TIIB	31-14
SN522A	TIIB	31-15
SN523A	TIIB	66-80
SN723	♦TIIB	66-82
SN2600	TIIB	75-66
SN2610	TIIB	75-67
SN2620	TIIB	66-48
SN5231L	♦TIIB	66-81
SN5510FA	TIIB	74-104
SN5510JP	TIIB	74-105
SN5510L	♦TIIB	74-106
SN5511FA	TIIB	66-30
		74-97
SN5511L	♦TIIB	66-31
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SN5511N	♦TIIB	66-32
		74-99
SN5512L	TIIB	75-6
SN5512N	TIIB	75-7
SN5514JP	TIIB	75-5
SN5514L	TIIB	75-8
SN7231L	♦TIIB	66-83
SN7510FA	TIIB	74-101
SN7510L	TIIB	74-102
SN7510P	TIIB	74-103
SN7511FA	TIIB	66-39
		74-94
SN7511L	♦TIIB	66-33
		74-95
SN7511N	♦TIIB	66-34
		74-96
SN7512L	TIIB	75-1
SN7512N	TIIB	75-2
SN7514L	TIIB	75-3
SN7514P	TIIB	75-4
SN52101AJ	♦TIIB	61-65
SN52101AJA	TIIB	61-66
SN52101AJP	TIIB	61-67
SN52101AL	♦TIIB	61-68
SN52104JA	TIIB	93-56
SN52104L	TIIB	93-57
SN52105JP	TIIB	90-68
SN52105L	TIIB	90-69
SN52106FA	TIIB	102-29
SN52106J	TIIB	102-30
SN52106JP	TIIB	102-31
SN52106L	TIIB	102-32
SN52107FA	TIIB	61-69
SN52107JA	TIIB	61-70
SN52107JP	TIIB	61-71
SN52107L	♦TIIB	61-72
SN52108AFA	TIIB	57-33
SN52108AJA	TIIB	57-34
SN52108AJP	TIIB	57-35
SN52108AL	TIIB	57-36
SN52108FA	TIIB	57-85
SN52108JA	TIIB	57-86
SN52108JP	TIIB	57-87
SN52108L	TIIB	57-88
SN52109LA	TIIB	78-89
SN52110FA	TIIB	55-88
SN52110JA	TIIB	55-89
SN52110JP	TIIB	55-90
SN52110L	TIIB	55-91
SN52111FA	TIIB	103-44
SN52111J	TIIB	103-45
SN52111JP	TIIB	103-46
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SN52506FA	TIIB	102-46
SN52506J	TIIB	102-47
SN52510FA	TIIB	99-65
SN52510J	TIIB	99-66
SN52510JP	TIIB	99-67
SN52510L	TIIB	99-68
SN52514J	TIIB	99-69
SN52558JP	TIIB	45-45
SN52558L	TIIB	45-83
SN52660FA	TIIB	57-89
SN52660JA	TIIB	57-90
SN52660JP	TIIB	57-91
SN52660L	TIIB	57-92
SN52702AFA#1	TIIB	30-98
SN52702AFA#2	TIIB	29-61
SN52702AJ#1	TIIB	30-99
SN52702AJ#2	TIIB	29-62
SN52702AL#1	TIIB	30-100
SN52702AL#2	TIIB	29-63
SN52702FA#1	TIIB	30-93
SN52702FA#2	TIIB	29-64
SN52702J#1	TIIB	30-94
SN52702J#2	TIIB	29-65
SN52702L#1	TIIB	30-95
SN52702L#2	TIIB	29-66
SN52709AFA	TIIB	41-8
SN52709AJ	TIIB	41-9
SN52709AJA	TIIB	41-10
SN52709AJP	TIIB	41-11
SN52709AL	♦TIIB	41-12

TYPE No.	MFRS	Pg&Line
SN52709FA	TIIB	45-7
SN52709J	TIIB	45-8
SN52709JA	TIIB	45-9
SN52709JP	TIIB	45-10
SN52709L	♦TIIB	45-11
SN52710FA	TIIB	100-63
SN52710J	♦TIIB	100-64
SN52710JP	TIIB	100-65
SN52710L	♦TIIB	100-66
SN52711FA	TIIB	99-8
SN52711J	♦TIIB	100-90
SN52723FA	TIIB	90-41
SN52723J	TIIB	93-1
SN52723L	TIIB	93-2
SN52733FA	TIIB	66-43
		75-48
SN52733J	TIIB	66-44
		75-49
SN52733L	♦TIIB	66-40
		75-50
SN52741FA	SPR	40-23
	TIIB	
SN52741J	SPR	36-64
	♦TIIB	
SN52741JA	SPR	40-24
	TIIB	
SN52741JP	SPR	40-25
	TIIB	
SN52741L	SPR	36-65
	♦TIIB	
SN52747FA	TIIB	36-66
SN52747J	TIIB	40-26
SN52747JA	TIIB	36-67
SN52747L	TIIB	36-68
SN52748FA	TIIB	36-69
SN52748J	♦TIIB	36-70
SN52748JA	TIIB	36-71
SN52748JP	TIIB	36-72
SN52748L	♦TIIB	36-73
SN52770FA	TIIB	41-69
SN52770JA	TIIB	41-70
SN52770JP	TIIB	41-71
SN52770L	TIIB	34-5
SN52771FA	TIIB	41-72
SN52771JA	TIIB	41-73
SN52771JP	TIIB	41-74
SN52771L	TIIB	34-6
SN52777FA	TIIB	40-38
SN52777JA	TIIB	40-39
SN52777JP	TIIB	40-40
SN52777L	TIIB	40-41
SN52810FA	TIIB	99-70
SN52810J	TIIB	99-71
SN52810JP	TIIB	99-72
SN52810L	TIIB	99-73
SN52811FA	TIIB	99-4
SN52811J	TIIB	99-20
SN52811L	TIIB	99-21
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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TBA790KB	♦NPC	70-14
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TBA790KC	♦NPC	69-81
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TBA790KD	♦NPC	69-73
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TBA790KSB	♦NPC	70-97
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TBA790KSC	♦NPC	69-86
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TBA790KSD	♦NPC	70-98
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TBA790LA	♦NPC	69-82
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TBA790LB	♦NPC	70-15
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TBA790LC	♦NPC	69-83
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TBA790LSA	♦NPC	69-87
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TBA790LSB	♦NPC	70-99
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TBA790LSC	♦NPC	69-88
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TBA790MSA	♦NPC	69-89
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TBA790NB	♦NPC	70-100
	THCF	
TBA790NC	♦NPC	69-90
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TBA790ND	♦NPC	69-74
	THCF	
TBA790NSD	♦NPC	70-101
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TBA790X	♦NPC	69-75
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TBA800	♦FSC	71-55
INTG	♦NPC	
♦PLSB	♦SGAI	
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TBA800A	♦FSC	71-56
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TBA810	♦ALGG	70-61
TBA810A	♦ALGG	70-62
	SGAI	
TBA810AS	♦ALGG	70-63
♦FSC	♦NPC	
♦SGAI	THCF	
TBA810DAS	♦FSC	70-64
TBA810DS	♦FSC	70-65
TBA810S	♦ALGG	70-66
♦FSC	♦NPC	
♦SGAI	THCF	
TBA820	♦FSC	69-69
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TBA820L	♦FSC	69-105
TBA830	SIEG	134-73
TBA880	♦PHIN	134-74
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TBA890	♦PHIN	138-21
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TBA890Q	♦PHIN	138-22
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TBA900	♦PHIN	138-23
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	♦VALG	
TBA900Q	♦PHIN	138-24
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TBA915	♦RTCF	71-10
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TBA915%	♦PHIN	70-7
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TBA920	♦FSC	138-25
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♦PHIN	♦PLSB	
♦RTCF	SIC	
THCF	♦VALG	
TBA920Q	♦FSC	138-26
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TBA920S	♦FSC	138-27
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TBA950	INTG	134-76
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TBA950-2	♦PLSB	138-29
TBA970	♦FSC	138-30
♦RTCF	♦VALG	
TBA970Q	♦FSC	138-31
TBA990	♦FSC	139-103
♦MULB	♦NSC	
♦PHIN	♦PLSB	
SIC	♦VALG	
TBA990Q	♦FSC	139-104
♦MULB	♦PHIN	
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TBA1440G	♦SIEG	138-32
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TBB0324A	SIEG	28-7
TBB0747	♦SIEG	37-84
TBB0747A	♦SIEG	37-85
TBB0748	♦SIEG	37-86
TBB0748B	♦SIEG	37-87
TBB1458	♦SIEG	46-34
TBB1458B	♦SIEG	46-35
TBB2331	SIEG	31-79
TBB2331B	SIEG	31-80
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TCA105BW	♦SIEG	134-79
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TCA150KA	♦NPC	70-102
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TCA150KB	♦NPC	70-53
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TCA150NA	♦NPC	70-103
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TCA150NB	♦NPC	70-54
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TCA150NBT	NPC	70-55
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TCA160B	♦MULB	69-79
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA160C	♦PHIN	69-80
♦RTCF	SIC	
	♦VALG	
TCA205A	♦SIEG	134-81
TCA205WI	SIEG	134-82
TCA205WII	SIEG	134-83
TCA210#1	♦MULB	70-17
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA210#2	♦MULB	70-16
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA210D#1	MULB	70-12
	♦VALG	
TCA210D#2	MULB	70-11
	♦VALG	
TCA220	♦MULB	29-108
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA230	MULB	30-91
TCA240	♦MULB	142-110
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA240D	♦VALG	143-1
TCA270	♦MULB	138-34
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TCA270DG	♦PLSB	138-35
TCA270DP	♦PLSB	138-36
TCA270Q	♦MULB	138-37
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TCA270S	♦PHIN	138-38
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TCA270SQ	♦PHIN	138-39
	SIC	
TCA280A	♦MULB	135-78
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA290A	♦MULB	142-39
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA311	♦SIEG	34-61
TCA311A	♦SIEG	34-62
TCA311W	♦SIEG	34-63
TCA312	♦SIEG	34-64
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TCA315A	♦SIEG	34-66
TCA315W	♦SIEG	34-67
TCA321	♦SIEG	34-54
TCA321A	♦SIEG	34-55
TCA321W	♦SIEG	34-56
TCA322	♦SIEG	34-57
TCA325	♦SIEG	34-58
TCA325A	♦SIEG	34-59
TCA325W	♦SIEG	34-60
TCA331	♦SIEG	34-68
TCA331A	♦SIEG	34-69
TCA331W	♦SIEG	34-70
TCA332	♦SIEG	34-71
TCA335	♦SIEG	34-72
TCA335A	♦SIEG	34-73
TCA335W	♦SIEG	34-74
TCA345A	♦SIEG	134-84
TCA345W	SIEG	134-85
TCA350	INTG	134-86
TCA350Y	♦INTG	134-87
TCA410A	♦MULB	106-23
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA410B	♦MULB	106-24
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA410D	♦PHIN	106-25
SIC	♦VALG	
TCA420A	♦MULB	141-92
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA440	♦SIEG	141-93
	♦VALG	
TCA450A	♦PHIN	114-1
SIC	♦VALG	
TCA490	♦MULB	140-87
RTCF	♦VALG	
TCA490A	♦PHIN	140-88
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TCA490B	♦PHIN	140-89
	SIC	
TCA490C	♦PHIN	140-90
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TCA511	♦SGAI	138-40
TCA520B	♦MULB	28-22
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA520D	♦PHIN	28-23
	♦VALG	
TCA530	♦MULB	143-26
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA540	♦PHIN	143-2
♦RTCF	SIC	
TCA540Q	♦PHIN	143-3
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TCA580	♦PHIN	146-9
	♦VALG	
TCA600	♦SGAI	134-88
TCA610	♦SGAI	134-89
TCA640	♦MULB	139-105
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SIC	♦VALG	

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SIC	♦VALG	
TCA660	♦MULB	139-107
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SIC	♦VALG	
TCA660B	♦PHIN	139-108
	SIC	
TCA671	♦SIEG	132-55
TCA680	♦MULB	48-27
♦PHIN	♦RTCF	
	SIC	
TCA680B	♦MULB	48-28
♦PHIN	♦RTCF	
	SIC	
TCA680D	♦PHIN	46-41
TCA700X	♦INTG	137-14
TCA730	♦MULB	140-91
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SIC	♦VALG	
TCA740	♦MULB	114-2
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA750	♦MULB	137-15
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA760	♦MULB	69-109
♦PHIN	♦RTCF	
	SIC	
TCA760B	♦PHIN	69-106
	SIC	
TCA770	♦MULB	141-94
♦PHIN	♦RTCF	
SIC	♦VALG	
TCA770A	♦PHIN	141-95
	♦VALG	
TCA770D	♦PHIN	141-96
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TCA780	SIEG	135-79
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TCA820	♦PHIN	143-4
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TCA871	♦SIEG	132-56
TCA900	♦NPC	134-91
♦SGAI	THCF	
TCA910	♦NPC	134-92
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TCA940	♦ALGG	71-20
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TCA955	♦SIEG	134-93
TCA965	♦SIEG	134-94
TCA971	♦SIEG	132-57
TCA980	♦MULB	69-32
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TDA0319D	♦PHIN	105-28
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TDA0324D	♦PHIN	28-99
	♦VALG	
TDA0358D	♦PHIN	28-24
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TDA440	♦ALGG	138-41
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TDA0470D	♦INTG	132-59
TDA0723D	♦PHIN	137-16
	♦VALG	
TDA0741D	♦PHIN	35-43
	♦VALG	
TDA0748D	♦MULB	37-88
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	♦VALG	
TDA1001	♦RTCF	140-92
TDA1002	♦MULB	69-103
♦PHIN	♦RTCF	
SIC	♦VALG	
TDA1003	♦MULB	134-95
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TDA1003A	♦PHIN	134-96
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TDA1004	♦MULB	70-89
♦PHIN	♦RTCF	
SIC	♦VALG	
TDA1004A	♦PHIN	70-88
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TDA1005	♦MULB	140-93
♦PHIN	♦RTCF	
SIC	♦VALG	
TDA1006	♦MULB	134-97
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TDA1009	♦PHIN	140-94
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TDA1010	♦PHIN	70-75
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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TDA1034BN	♦VALG	50- 6
TDA1034D	♦PHIN ♦VALG	50- 7
TDA1034DN	♦VALG	50- 8
TDA1034N	♦PHIN ♦VALG	50- 9
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TL062ACJG	♦TII TIIB	32- 71
TL062ACP	♦TII TIIB	32- 72
TL062AMJG	♦TII TIIB	32- 59
TL062BCJG	♦TII TIIB	32- 69
TL062BCP	♦TII TIIB	32- 70
TL062CJG	♦TII TIIB	32- 73
TL062CP	♦TII TIIB	32- 74

TYPE No.	MFRS	Pg&Line
TL062IJG	♦TII TIIB	32- 60
TL062IP	♦TII TIIB	32- 61
TL062MJG	♦TII TIIB	32- 62
TL064ACJ	♦TII TIIB	33- 63
TL064ACN	♦TII TIIB	33- 64
TL064AMJ	♦TII TIIB	33- 24
TL064BCJ	♦TII TIIB	33- 61
TL064BCN	♦TII TIIB	33- 62
TL064CJ	♦TII TIIB	33- 65
TL064CN	♦TII TIIB	33- 66
TL064IJ	♦TII TIIB	33- 25
TL064IN	♦TII TIIB	33- 26
TL064MJ	♦TII TIIB	33- 27
TL071ACJG	♦TII TIIB	34- 83
TL071ACL	♦TII TIIB	34- 84
TL071ACP	♦TII TIIB	34- 85
TL071AMJG	♦TII TIIB	34- 78
TL071AML	♦TII TIIB	34- 79
TL071BCJG	♦TII TIIB	34- 80
TL071BCL	♦TII TIIB	34- 81
TL071BCP	♦TII TIIB	34- 82
TL071CJG	♦TII TIIB	34- 91
TL071CL	♦TII TIIB	34- 92
TL071CP	♦TII TIIB	34- 93
TL071IJG	♦TII TIIB	34- 86
TL071IL	♦TII TIIB	34- 87
TL071IP	♦TII TIIB	34- 88
TL071MJG	♦TII TIIB	34- 89
TL071ML	♦TII TIIB	34- 90
TL072ACJG	♦TII TIIB	44- 61
TL072ACL	♦TII TIIB	44- 62
TL072ACP	♦TII TIIB	44- 63
TL072AMJG	♦TII TIIB	44- 56
TL072AML	♦TII TIIB	44- 57
TL072BCJG	♦TII TIIB	44- 58
TL072BCL	♦TII TIIB	44- 59
TL072BCP	♦TII TIIB	44- 60
TL072CJG	♦TII TIIB	44- 71
TL072CL	♦TII TIIB	44- 72
TL072CP	♦TII TIIB	44- 73
TL072IJG	♦TII TIIB	44- 64
TL072IL	♦TII TIIB	44- 65
TL072IP	♦TII TIIB	44- 66
TL072MJG	♦TII TIIB	44- 67
TL072ML	♦TII TIIB	44- 68
TL074ACJ	♦TII TIIB	52- 36
TL074ACN	♦TII TIIB	52- 37
TL074AMJ	♦TII TIIB	52- 30
TL074BCJ	♦TII TIIB	52- 31
TL074BCN	♦TII TIIB	52- 32
TL074CJ	♦TII TIIB	52- 46
TL074CN	♦TII TIIB	52- 47
TL074IJ	♦TII TIIB	52- 40
TL074IN	♦TII TIIB	52- 41
TL074MJ	♦TII TIIB	52- 42
TL075ACJ	♦TII TIIB	52- 38
TL075ACN	♦TII TIIB	52- 39

TYPE No.	MFRS	Pg&Line
TL075AMJ	♦TII TIIB	52- 33
TL075BCJ	♦TII TIIB	52- 34
TL075BCN	♦TII TIIB	52- 35
TL075CJ	♦TII TIIB	52- 48
TL075CN	♦TII TIIB	52- 49
TL075IJ	♦TII TIIB	52- 43
TL075IN	♦TII TIIB	52- 44
TL075MJ	♦TII TIIB	52- 45
TL080ACJG	♦TII TIIB	35- 64
TL080ACL	♦TII TIIB	35- 65
TL080ACP	♦TII TIIB	35- 66
TL080CJG	♦TII TIIB	35- 86
TL080CL	♦TII TIIB	35- 87
TL080CP	♦TII TIIB	35- 88
TL080IJG	♦TII TIIB	35- 71
TL080IL	♦TII TIIB	35- 72
TL080IP	♦TII TIIB	35- 73
TL080MJG	♦TII TIIB	35- 74
TL080ML	♦TII TIIB	35- 75
TL081ACJG	♦TII	42-105
TL081ACL	♦TII	42-106
TL081ACP	♦TII	42-107
TL081AMJG	♦TII TIIB	35- 53
TL081AML	♦TII TIIB	35- 54
TL081BCJG	♦TII TIIB	35- 55
TL081BCL	♦TII TIIB	35- 56
TL081BCP	♦TII TIIB	35- 57
TL081CJG	♦TII	43- 1
TL081CL	♦TII	43- 2
TL081CP	♦TII	43- 3
TL081IJG	♦TII TIIB	35- 76
TL081IL	♦TII TIIB	35- 77
TL081IP	♦TII TIIB	35- 78
TL081MJG	♦TII TIIB	35- 79
TL081ML	♦TII TIIB	35- 80
TL082ACJG	♦TII TIIB	45- 58
TL082ACL	♦TII TIIB	35- 67
TL082ACP	♦TII TIIB	35- 68
TL082AMJG	♦TII TIIB	45- 56
TL082AML	♦TII TIIB	35- 58
TL082BCJG	♦TII TIIB	45- 57
TL082BCL	♦TII TIIB	35- 59
TL082BCP	♦TII TIIB	35- 60
TL082CJG	♦TII TIIB	45- 64
TL082CL	♦TII TIIB	35- 89
TL082CP	♦TII TIIB	35- 90
TL082IJG	♦TII TIIB	45- 60
TL082IL	♦TII TIIB	35- 81
TL082IP	♦TII TIIB	35- 82
TL082MJG	♦TII TIIB	45- 61
TL082ML	♦TII TIIB	35- 83
TL083ACJ	♦TII TIIB	45- 59
TL083ACN	♦TII TIIB	35- 69
TL083CJ	♦TII TIIB	45- 65
TL083CN	♦TII TIIB	35- 91
TL083IJ	♦TII TIIB	45- 62
TL083IN	♦TII TIIB	35- 84
TL083MJ	♦TII TIIB	45- 63
TL084ACJ	♦TII TIIB	52- 99
TL084ACN	♦TII TIIB	35- 70

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

2. TYPE No. CROSS INDEX

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	Pg&Line
TL084AMJ	♦TII	52-97
	TIIB	
TL084BCJ	♦TII	52-98
	TIIB	
TL084BCN	♦TII	35-61
	TIIB	
TL084CJ	♦TII	53-100
TL084CN	♦TII	35-92
	TIIB	
TL084IJ	♦TII	52-100
	TIIB	
TL084IN	♦TII	35-85
	TIIB	
TL084MJ	♦TII	52-101
	TIIB	
TL089CL	♦TII	51-89
TL089IL	♦TII	51-88
TL321CJG	♦TII	28-19
	TIIB	
TL321CL	♦TII	28-20
	TIIB	
TL321CP	♦TII	28-21
	TIIB	
TL321IJG	♦TII	28-13
	TIIB	
TL321IL	♦TII	28-14
	TIIB	
TL321IP	♦TII	28-15
	TIIB	
TL321MJG	♦TII	28-16
	TIIB	
TL321ML	♦TII	28-17
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TL321MP	♦TII	28-18
	TIIB	
TL331CJG	♦TII	97-2
	TIIB	
TL331CL	♦TII	97-3
	TIIB	
TL331CP	♦TII	97-4
	TIIB	
TL331IJG	♦TII	97-5
	TIIB	
TL331IL	♦TII	97-6
	TIIB	
TL331IP	♦TII	97-7
	TIIB	
TL331MJG	♦TII	97-8
	TIIB	
TL331ML	♦TII	97-9
	TIIB	
TL331MP	♦TII	97-10
	TIIB	
TL430CJG	♦TII	136-57
TL430CLP	♦TII	136-58
TL440CJ	♦TII	135-82
TL440CN	♦TII	135-83
TL441CJ	♦TII	108-22
TL441CN	♦TII	108-23
TL441MJ	♦TII	108-24
TL497CJ	♦TII	128-74
TL497CN	♦TII	128-75
TL497IJ	♦TII	128-76
TL497IN	♦TII	128-77
TL497MJ	♦TII	128-78
TL506CJ	♦TII	102-53
TL506CN	♦TII	102-54
TL506CW	♦TII	102-55
TL506MJ	♦TII	102-48
TL506MW	♦TII	102-49
TL510CJ	♦TII	100-27
TL510CJG	♦TII	100-28
TL510CL	♦TII	100-29
TL510CN	♦TII	100-30
TL510CP	♦TII	100-31
TL510CU	♦TII	100-32
TL510MJ	♦TII	99-75
TL510MJG	♦TII	99-76
TL510ML	♦TII	99-77
TL510MU	♦TII	99-78
TL514CJ	♦TII	100-33
TL514CN	♦TII	100-34
TL514MJ	♦TII	99-79
TL702CJ	♦TII	31-8
TL702CL	♦TII	31-9
TL702CN	♦TII	31-10
TL702CU	♦TII	31-11
TL702MJ	♦TII	30-108
TL702ML	♦TII	30-109
TL702MU	♦TII	30-110
TL710CJ	♦TII	98-104
TL710CJG	♦TII	98-105
TL710CL	♦TII	98-106
TL710CN	♦TII	98-107
TL710CP	♦TII	98-108
TL710CU	♦TII	98-109
TL710MJ	♦TII	100-67
TL710MJG	♦TII	100-68
TL710ML	♦TII	100-69
TL710MU	♦TII	100-70
TL720CJ	♦TII	98-110
TL720CN	♦TII	99-1
TL810CJ	♦TII	100-35
TL810CJG	♦TII	100-36
TL810CL	♦TII	100-37
TL810CN	♦TII	100-38
TL810CP	♦TII	100-39
TL810CU	♦TII	100-40
TL810MJ	♦TII	99-80
TL810MJG	♦TII	99-81
TL810ML	♦TII	99-82
TL810MU	♦TII	99-83
TL811CJ	♦TII	100-94
TL811CL	♦TII	100-95

TYPE No.	MFRS	Pg&Line
TL811CN	♦TII	100-96
TL811CU	♦TII	100-97
TL811MJ	♦TII	99-22
TL811ML	♦TII	99-23
TL811MU	♦TII	99-24
TL820CJ	♦TII	100-41
TL820CN	♦TII	100-42
TL820MJ	♦TII	100-1
TL1709	♦ALGG	45-21
TL1709C	♦ALGG	48-8
TL1723	♦ALGG	93-10
TL1723C	♦ALGG	93-11
TL1741	♦ALGG	30-39
TL1741C	♦ALGG	38-30
TL3709C	♦ALGG	48-9
TL3723C	♦ALGG	93-12
TL3741C	♦ALGG	38-31
TPM12-100-5-500		121-43
	♦DTL	
TPM12-100-5-500E		121-44
	♦DTL	
TPM12-100-5-500J		121-45
	♦DTL	
TPM15-100-5-500		121-46
	♦DTL	
TPM15-100-5-500E		121-47
	♦DTL	
TPM15-100-5-500J		121-48
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TPQ2221	♦SPR	132-63
TPQ2222	♦SPR	132-64
TPQ2483	♦SPR	132-65
TPQ2484	♦SPR	132-66
TPQ2906	♦SPR	132-67
TPQ2907	♦SPR	132-68
TPQ3724	♦SPR	132-69
TPQ3725	♦SPR	132-70
TPQ3725A	♦SPR	132-71
TPQ3798	♦SPR	132-72
TPQ3799	♦SPR	132-73
TPQ3904	♦SPR	132-74
TPQ3906	♦SPR	132-75
TPQ6001	♦SPR	132-76
TPQ6002	♦SPR	132-77
TPQ6100	♦SPR	132-78
TPQ6100A	♦SPR	132-79
TPQ6501	♦SPR	132-80
TPQ6502	♦SPR	132-81
TPQ6600	♦SPR	132-82
TPQ6600A	♦SPR	132-83
TPQ6700	♦SPR	132-84
TPV63	♦SIEG	135-5
uA78C08U1C	♦FSC	83-82
uA78C10U1C	♦FSC	84-103
uA78C12U1C	♦FSC	86-72
uA78C15U1C	♦FSC	89-7
uA78C17U1C	♦FSC	90-23
uA78C18U1C	♦FSC	91-43
uA78C20U1C	♦FSC	93-106
uA78C22U1C	♦FSC	94-45
uA78C24U1C	♦FSC	95-90
uA78C82U1C	♦FSC	83-97
uA78CBKC	♦FSC	87-35
uA78CBUC	♦FSC	87-36
uA78GKC	♦FSC	90-25
uA78GKM	♦FSC	90-26
uA78GU1C	♦FSC	90-27
uA78L02ACJG	♦TII	78-15
uA78L02ACLP	♦TII	78-13
uA78L02AS	MULB	78-21
	PHIN ♦SIC	
uA78L02CJG	♦TII	78-16
uA78L02CLP	♦TII	78-14
uA78L02S	MULB	78-22
	PHIN ♦SIC	
uA78L05ACJG	♦TII	78-35
uA78L05ACLP	♦TII	78-33
uA78L05ADB	MULB	79-75
	PHIN ♦SIC	
uA78L05AHC	♦FSC	79-58
uA78L05AS	MULB	79-67
	PHIN ♦SIC	
uA78L05AWC	♦FSC	79-59
uA78L05AWV	♦FSC	79-60
uA78L05CJG	♦TII	78-36
uA78L05CLP	♦TII	78-34
uA78L05DB	MULB	79-76
	PHIN ♦SIC	
uA78L05S	MULB	79-68
	PHIN ♦SIC	
uA78L06ACJG	♦TII	82-58
uA78L06ACLP	♦TII	82-56
uA78L06AS	MULB	82-64
	PHIN ♦SIC	
uA78L06CJG	♦TII	82-59
uA78L06CLP	♦TII	82-57
uA78L06S	MULB	82-65
	PHIN ♦SIC	
uA78L08ACJG	♦TII	82-78
uA78L08ACLP	♦TII	82-76
uA78L08CJG	♦TII	82-79
uA78L08CLP	♦TII	82-77
uA78L09ACJG	♦TII	83-40
	TIIB	
uA78L09ACLP	♦TII	83-38
	TIIB	
uA78L09AHC	♦FSC	83-105
uA78L09AWC	♦FSC	83-106
uA78L09AWV	♦FSC	83-107
uA78L09CJG	♦TII	83-41
	TIIB	
uA78L09CLP	♦TII	83-39
	TIIB	

TYPE No.	MFRS	Pg&Line
uA78L10ACJG	♦TII	84-90
	TIIB	
uA78L10ACLP	♦TII	84-88
	TIIB	
uA78L10CJG	♦TII	84-91
	TIIB	
uA78L10CLP	♦TII	84-89
	TIIB	
uA78L12ACJG	♦TII	85-9
uA78L12ACLP	♦TII	85-7
uA78L12ADB	MULB	86-55
	PHIN ♦SIC	
uA78L12AHC	♦FSC	86-16
uA78L12AS	MULB	86-44
	PHIN ♦SIC	
uA78L12AWC	♦FSC	86-17
uA78L12AWV	♦FSC	86-18
uA78L12CJG	♦TII	85-10
uA78L12CLP	♦TII	85-8
uA78L12DB	MULB	86-56
	PHIN ♦SIC	
uA78L12S	MULB	86-45
	PHIN ♦SIC	
uA78L15ACJG	♦TII	87-98
uA78L15ACLP	♦TII	87-86
uA78L15ADB	MULB	88-81
	PHIN ♦SIC	
uA78L15AHC	♦FSC	88-34
uA78L15AS	MULB	88-61
	PHIN ♦SIC	
uA78L15AWC	♦FSC	88-35
uA78L15CJG	♦TII	87-99
uA78L15CLP	♦TII	87-87
uA78L15DB	MULB	88-82
	PHIN ♦SIC	
uA78L15S	MULB	88-62
	PHIN ♦SIC	
uA78L18AHC	♦FSC	91-5
uA78L18AWC	♦FSC	91-6
uA78L18AWV	♦FSC	91-7
uA78L20AHC	♦FSC	93-83
uA78L20AWC	♦FSC	93-84
uA78L20AWV	♦FSC	93-85
uA78L24AHC	♦FSC	95-39
uA78L24AWC	♦FSC	95-40
uA78L24AWV	♦FSC	95-41
uA78L26AWC	♦FSC	78-17
uA78L62AWC	♦FSC	82-60
uA78L62AWV	♦FSC	82-61
uA78L82AWC	♦FSC	83-95
uA78L82AWV	♦FSC	83-96
uA78M05CKC	♦TII	79-18
uA78M05CKD	♦TII	79-11
uA78M05CLA	♦TII	78-90
uA78M05HC	♦FSC	80-14
uA78M05HM	♦FSC	80-15
uA78M05MLA	♦TII	78-91
uA78M05UC	♦FSC	80-16
uA78M06CKC	♦TII	81-75
uA78M06CKD	♦TII	81-70
uA78M06CLA	♦TII	81-66
uA78M06HC	♦FSC	81-98
uA78M06HM	♦FSC	81-99
uA78M06MLA	♦TII	81-67
uA78M06UC	♦FSC	81-100
uA78M08CKC	♦TII	83-17
uA78M08CKD	♦TII	83-12
uA78M08CLA	♦TII	83-8
uA78M08HC	♦FSC	83-50
uA78M08HM	♦FSC	83-51
uA78M08MLA	♦TII	83-9
uA78M08UC	♦FSC	83-52
uA78M12CKC	♦TII	85-62
uA78M12CKD	♦TII	85-58
uA78M12CLA	♦TII	85-52
uA78M12HC	♦FSC	86-19
uA78M12HM	♦FSC	86-20
uA78M12MLA	♦TII	85-53
uA78M12UC	♦FSC	86-21
uA78M15CKC	♦TII	87-107
uA78M15CKD	♦TII	87-100
uA78M15CLA	♦TII	87-79
uA78M15HC	♦FSC	88-36
uA78M15HM	♦FSC	88-37
uA78M15MLA	♦TII	87-80
uA78M15UC	♦FSC	88-38
uA78M20CKC	♦TII	93-76
uA78M20CKD	♦TII	93-75
uA78M20CLA	♦TII	93-73
uA78M20HC	♦FSC	93-86
uA78M20HM	♦FSC	93-87
uA78M20MLA	♦TII	93-74
uA78M20UC	♦FSC	89-22
uA78M24CKC	♦TII	95-5
uA78M24CKD	♦TII	95-3
uA78M24CLA	♦TII	94-93
uA78M24HC	♦FSC	95-42
uA78M24HM	♦FSC	95-43
uA78M24MLA	♦TII	94-94
uA78M24UC	♦FSC	95-44
uA78MGHC	♦FSC	90-28
uA78MGHM	♦FSC	90-29
uA78MGT2C	♦FSC	90-30
uA78MGU1C	♦FSC	90-31
uA78S40DC	♦FSC	135-6
uA78S40DM	♦FSC	135-7
uA78S40PC	♦FSC	135-8
uA79GKC	♦FSC	89-99
uA79GKM	♦FSC	89-100
uA79GU1C	♦FSC	89-101
uA79M05AHC	♦FSC	80-17
uA79M05AUC	♦FSC	80-18
uA79M05CKC	♦TII	79-19
uA79M05CKD	♦TII	79-12

TYPE No.	MFRS	Pg&Line
uA79M05CLA	♦TII	78-92
uA79M05HM	♦FSC	80-19
uA79M05MLA	♦TII	78-93
uA79M06AHC	♦FSC	81-101
uA79M06AUC	♦FSC	81-102
uA79M06CKC	♦TII	81-76
uA79M06CKD	♦TII	81-71
uA79M06CLA	♦TII	81-68
uA79M06HM	♦FSC	81-103
uA79M06MLA	♦TII	81-69
uA79M08AHC	♦FSC	83-53
uA79M08AUC	♦FSC	83-54
uA79M08CKC	♦TII	83-18
uA79M08CKD	♦TII	83-13
uA79M08CLA	♦TII	83-10
uA79M08HM	♦FSC	83-55
uA79M08MLA	♦TII	83-11
uA79M12AHC	♦FSC	86-22
uA79M12AUC	♦FSC	86-23
uA79M12CKC	♦TII	85-63
uA79M12CKD	♦TII	85-59
uA79M12CLA	♦TII	85-54
uA79M12HM	♦FSC	86-24
uA79M12MLA	♦TII	85-55
uA79M15AHC	♦FSC	88-39
uA79M15AUC	♦FSC	88-40
uA79M15CKC	♦TII	87-108
uA79M15CKD	♦TII	87-101
uA79M15CLA	♦TII	87-81
uA79M15HM	♦FSC	88-41
uA79M15MLA	♦TII	87-82
uA79M20AHC	♦FSC	93-88
uA79M20AUC	♦FSC	93-89
uA79M20CKC	♦TII	93-67
uA79M20CKD	♦TII	93-66
uA79M20CLA	♦TII	93-64
uA79M20HM	♦FSC	93-90
uA79M20MLA	♦TII	93-65
uA79M24AHC	♦FSC	95-45
uA79M24AUC	♦FSC	95-46
uA79M24CKC	♦TII	95-6
uA79M24CKD	♦TII	95-4
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uA139DM	FSC	98-7
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uA308AD	♦FSC	33-10
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uA349DC	♦FSC	43-44
uA376TC	♦FSC	94-33
uA702DC	♦FSC	31-2
uA702DM	♦FSC	30-101
uA702FM	♦FSC	30-102
uA702HC	♦FSC	31-3
uA702HM	♦FSC	30-103
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uA702ML	♦TII	30-105
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uA709CL	♦TII	47-100
uA709CN	♦TII	47-101
uA709CP	♦TII	47-102
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uA709CU	♦TII	47-104
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uA709DC	♦FSC	47-106
uA709DM	♦FSC	45-22
uA709FM	♦FSC	45-23
uA709HC	♦FSC	47-107
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uA710CA	MULB	100-51
	PHIN SIC	
uA710CT	MULB	100-52
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uA710DC	♦FSC	100-53
uA710DM	♦FSC	100-3
uA710FM	♦FSC	100-4
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uA710MJ	♦TII	100-6
uA710MJG	♦TII	100-7
uA710ML	♦TII	100-8
uA710MU	♦TII	100-9
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uA710T	MULB	100-10
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uA711A	MULB	100-78
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uA711CA	MULB	100-98
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uA711CJ	♦TII	101-27
uA711CK	MULB	100-99
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uA711CN	♦TII	101-29
uA711CU	♦TII	101-30
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uA711DM	♦FSC	100-100
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uA711HC	♦FSC	101-38
uA711HM	♦FSC	100-102
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uA714HC	♦FSC	44-15
uA714HM	♦FSC	41-105
uA714LHC	♦FSC	46-65
uA715DC	♦FSC	51-73
uA715DM	♦FSC	48-24
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uA721PC	♦FSC	141-107
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uA723CA	MULB	93-14
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uA723CJ	♦TII	90-52
uA723CL	MULB	93-15
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uA723CN	♦TII	90-53
uA723CU	♦TII	90-43
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△-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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uA748CN	♦TII	38- 2
uA748CP	♦TII	38- 3
uA748CT	MULB	38- 4
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uA748CU	♦TII	38- 5
uA748CV	MULB	38- 6
PHIN	SIC	
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uA748DM	♦FSC	36-100
uA748FM	♦FSC	38- 8
uA748HC	♦FSC	38- 9
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uA748MU	♦TII	36-105
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uA777CJG	♦TII	40- 18
uA777CL	♦TII	40- 19
uA777CN	♦TII	40- 20
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uA798RC	♦FSC	42-109
uA798RM	♦FSC	39- 12
uA798TC	♦FSC	42-110
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uA1458CRC	♦FSC	51- 15
uA1458CTC	♦FSC	51- 16
uA1458HC	♦FSC	51- 17
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uA2136PC	♦FSC	141-110
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uA3026HM	♦FSC	132- 87
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uA3054DC	♦FSC	132- 91
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uA3064HC	♦FSC	138- 60
uA3064PC	♦FSC	138- 61
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uA3065PC	♦FSC	138- 62
uA3075DC	♦FSC	142- 1
uA3075PC	♦FSC	142- 2
uA3086DM	SPR	132- 92
uA3089DC	♦FSC	140-105
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uA3089DM	♦FSC	140-106
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uA3503D	♦FSC	54- 64
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uA4558HM	♦FSC	45- 87
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uA4558RM	♦FSC	45- 88
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uA7805CKC	♦TII	79- 20
uA7805CU	MULB	80- 73
PHIN	♦SIC	
uA7805DA	MULB	80- 74
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uA7805KM	♦FSC	80- 24
uA7805MKA	♦TII	79- 23
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uA7806CKC	♦TII	81- 77
uA7806CU	MULB	82- 27
PHIN	♦SIC	
uA7806DA	MULB	82- 28
PHIN	♦SIC	
uA7806KC	♦FSC	81-104
uA7806KM	♦FSC	81-105
uA7806MKA	♦TII	81- 80
uA7806UC	♦FSC	81-106
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uA7808CKC	♦TII	83- 19
uA7808CU	MULB	83- 91
PHIN	♦SIC	
uA7808DA	MULB	83- 92
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uA7812CKC	♦TII	85- 64
uA7812CU	MULB	86- 82
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uA7812DA	MULB	86- 83
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uA7812KM	♦FSC	86- 26
uA7812MKA	♦TII	85- 67
uA7812UC	♦FSC	86- 27
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uA7815CKC	♦TII	87-109
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uA7818KM	♦FSC	91- 9
uA7818MKA	♦TII	90- 96
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uA7824DA	MULB	96- 13
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uA7824KM	♦FSC	95- 49
uA7824MKA	♦TII	95- 10
uA7824UC	♦FSC	95- 50
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uA7885KC	♦FSC	83-102
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Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

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WJA55	♦WJC	75- 98
WJA56	♦WJC	76- 36
WJA57	♦WJC	76- 9
WJA58	♦WJC	76- 35
WJA59	♦WJC	76- 55
WJA59-1	♦WJC	76- 57
WJA63	♦WJC	75- 81
WJA64	♦WJC	75-110
WJA65	♦WJC	75- 99
WJA71	♦WJC	75- 69
WJA72	♦WJC	74- 4
WJA73	♦WJC	75- 85
WJA74	♦WJC	76- 6
WJA74-1	♦WJC	76- 4
WJA74-2	♦WJC	74- 3
WJA75	♦WJC	75- 90
WJA75-2	♦WJC	76-108
WJA75-3	♦WJC	75- 80
WJA76	♦WJC	76- 31
WJA77	♦WJC	76- 14
WJA77-1	♦WJC	76- 16
WJA79	♦WJC	76- 54
WJCR21-001	♦WJC	76- 26
WJCR21-002	♦WJC	76- 72
WJCR21-003	♦WJC	76- 27
WJCR21-004	♦WJC	76- 74
WJCR21-005	♦WJC	76- 76
WJCR21-006	♦WJC	76- 77
WJCR41-001	♦WJC	76- 86
WJDA1	♦WJC	75-100
WJDA11	♦WJC	75-103
WJDA31	♦WJC	75- 86
WJEA2	♦WJC	75- 87
WJEA5	♦WJC	75- 88

TYPE No.	MFRS	Pg&Line
WJG1	♦WJC	135- 19
WJL1	♦WJC	137- 25
WJLG1	♦WJC	135- 20
WJM1	♦WJC	143- 50
WJM1A	♦WJC	143- 51
WJM1A-11	♦WJC	143- 52
WJM1B	♦WJC	143- 53
WJM1C	♦WJC	143- 54
WJM1D	♦WJC	143- 55
WJM1E	♦WJC	143- 56
WJM1G	♦WJC	143- 57
WJM1H	♦WJC	143- 58
WJM1J	♦WJC	143- 59
WJM1K	♦WJC	143- 60
WJM2A	♦WJC	143- 61
WJM2AC	♦WJC	143- 62
WJM2E	♦WJC	143- 63
WJM2EC	♦WJC	143- 64
WJM2G	♦WJC	143- 65
WJM2GC	♦WJC	143- 66
WJM4A	♦WJC	143- 67
WJM4G	♦WJC	143- 68
WJM5D	♦WJC	143- 69
WJM5H	♦WJC	143- 70
WJM6	♦WJC	143- 71
WJM6A	♦WJC	143- 72
WJM6D	♦WJC	143- 73
WJM6E	♦WJC	143- 74
WJM6F	♦WJC	143- 75
WJM6G	♦WJC	143- 76
WJM6H	♦WJC	143- 77
WJM6J	♦WJC	143- 78
WJM6K	♦WJC	143- 79
WJM6KC	♦WJC	143- 80
WJM6L	♦WJC	143- 81
WJM6N	♦WJC	143- 82
WJM6R	♦WJC	143- 83
WJM6S	♦WJC	143- 84
WJM6T	♦WJC	143- 85
WJM6V	♦WJC	143- 86
WJM7A	♦WJC	143- 87
WJM7B	♦WJC	143- 88
WJM8E	♦WJC	143- 89
WJM9	♦WJC	143- 90
WJM9A	♦WJC	143- 91
WJM9AC	♦WJC	143- 92
WJM9B	♦WJC	143- 93
WJM9BC	♦WJC	143- 94
WJM9C	♦WJC	143- 95
WJM9D	♦WJC	143- 96
WJM9E	♦WJC	143- 97
WJM9G	♦WJC	143- 98
WJM9GC	♦WJC	143- 99
WJM9H	♦WJC	143-100
WJM9HC	♦WJC	143-101
WJM12	♦WJC	143-102
WJM12A	♦WJC	143-103
WJM14	♦WJC	143-104
WJM14A	♦WJC	143-105
WJM15	♦WJC	143-106
WJM15C	♦WJC	143-107
WJM16	♦WJC	143-108
WJM16C	♦WJC	143-109
WJM17	♦WJC	143-110
WJM17C	♦WJC	144- 1
WJM18	♦WJC	144- 2
WJM18C	♦WJC	144- 3
WJM19	♦WJC	144- 4
WJM20	♦WJC	144- 5
WJM21	♦WJC	144- 6
WJM21C	♦WJC	144- 7
WJM22	♦WJC	144- 8
WJM22C	♦WJC	144- 9
WJM26-3	♦WJC	144- 10
WJM26-4	♦WJC	144- 11
WJM26-5	♦WJC	144- 12
WJM26-6	♦WJC	144- 13
WJM26F	♦WJC	144- 14
WJM28C	♦WJC	144- 15
WJM29C	♦WJC	144- 16
WJM31A	♦WJC	144- 17
WJM31B	♦WJC	144- 18
WJM33B	♦WJC	144- 19
WJM33C	♦WJC	144- 20
WJM33D	♦WJC	144- 21
WJM33F	♦WJC	144- 22
WJM34B	♦WJC	144- 23
WJM34C	♦WJC	144- 24
WJM62	♦WJC	144- 25
WJM62C	♦WJC	144- 26
WJM63	♦WJC	144- 27
WJM63C	♦WJC	144- 28
WJM64	♦WJC	144- 29
WJM64C	♦WJC	144- 30
WJM65#1	♦WJC	144- 31
WJM65#2	♦WJC	144- 32
WJM65C#1	♦WJC	144- 33
WJM65C#2	♦WJC	144- 34
WJM66	♦WJC	144- 35
WJM66C	♦WJC	144- 36
WJM67	♦WJC	144- 37
WJM67C	♦WJC	144- 38
WJM68C	♦WJC	144- 39
WJM69C	♦WJC	144- 40
WJM70C	♦WJC	144- 41
WJM75C	♦WJC	144- 42
WJPA1	♦WJC	77- 18
WJPA2	♦WJC	77- 19
WJR21-001	♦WJC	76- 28
WJR21-002	♦WJC	76- 73
WJR21-003	♦WJC	76- 29
WJR21-004	♦WJC	76- 75
WJR21-005	♦WJC	76- 78
WJR21-006	♦WJC	76- 79

TYPE No.	MFRS	Pg&Line
WJR41-001	♦WJC	76- 87
WJS1	♦WJC	142- 12
WJS2A	♦WJC	142- 13
WJS2AC	♦WJC	142- 14
WJS4A	♦WJC	142- 15
WJS5	♦WJC	142- 16
WJS6	♦WJC	142- 17
WJS6C	♦WJC	142- 18
WJS7	♦WJC	142- 19
WJS7C	♦WJC	142- 20
WL530G	♦LTIC	69- 12
WL531G	♦LTIC	69- 26
WL545G	♦LTIC	69- 13
WL546G	♦LTIC	69- 27
WS531G	♦LTIC	69- 31
WV530G	♦LTIC	69- 14
WV531G	♦LTIC	69- 29
WV546G	♦LTIC	69- 30
XC1387P#1	♦MOTA	72- 56
XC1387P#2	♦MOTA	72- 51
XC1399P	♦MOTA	140- 53
XR082CN	♦EXR	55-105
XR082CP	♦EXR	55- 99
XR082M	♦EXR	55-101
XR082N	♦EXR	55-103
XR082P	♦EXR	55- 97
XR084CN	♦EXR	55-106
XR084CP	♦EXR	55-100
XR084M	♦EXR	55-102
XR084N	♦EXR	55-104
XR084P	♦EXR	55- 98
XR146	♦EXR	33-105
XR205	♦EXR	110- 46
XR210	♦EXR	143- 10
XR210M	♦EXR	143- 11
XR215	♦EXR	145- 15
XR246	♦EXR	34- 3
XR346	♦EXR	34- 4
XR567CN	♦EXR	135- 21
XR567CP	♦EXR	135- 22
XR567M	♦EXR	135- 23
XR567N	♦EXR	135- 24
XR742CN	♦EXR	135- 92
XR742CP	♦EXR	135- 93
XR1310	♦EXR	140-109
XR1458CP	♦EXR	31- 13
XR2206CN	♦EXR	110- 47
XR2206CP	♦EXR	110- 48
XR2206M	♦EXR	110- 49
XR2206N	♦EXR	110- 50
XR2206P	♦EXR	110- 51
XR2207CN	♦EXR	110- 52
XR2207CNΔ	♦RTN	110- 37
XR2207CP	♦EXR	110- 44
XR2207CPΔ	♦RTN	110- 38
XR2207M	♦EXR	110- 53
XR2207MΔ	♦RTN	110- 34
XR2207N	♦EXR	110- 54
XR2207NΔ	♦RTN	110- 35
XR2207P	♦EXR	110- 45
XR2207PΔ	♦RTN	110- 36
XR2208CN	♦EXR	30- 88
		108- 88
XR2208CP	♦EXR	30- 82
		108- 84
XR2208M	♦EXR	30- 86
		108- 89
XR2208N	♦EXR	30- 87
		108- 90
XR2208P	♦EXR	30- 81
		108- 85
XR2209CN	♦EXR	111- 8
XR2209CP	♦EXR	111- 7
XR2209M	♦EXR	111- 9
XR2211CN	♦EXR	143- 12
XR2211CNΔ	♦RTN	143- 13
XR2211CP	♦EXR	143- 14
XR2211CPΔ	♦RTN	143- 15
XR2211M	♦EXR	143- 16
XR2211MΔ	♦RTN	143- 17
XR2211N	♦EXR	143- 18
XR2211NΔ	♦RTN	143- 19
XR2211P	♦EXR	143- 20
XR2211PΔ	♦RTN	143- 21
XR2212CN	♦EXR	145- 16
XR2212CP	♦EXR	145- 17
XR2212M	♦EXR	145- 18
XR2212N	♦EXR	145- 19
XR2212P	♦EXR	145- 20
XR2216CN	♦EXR	140-110
XR2216CP	♦EXR	141- 1
XR2264CP	♦EXR	135- 25
XR2265CP	♦EXR	135- 26
XR2567CN	♦EXR	135- 27
XR2567CNΔ	♦RTN	135- 28
XR2567CP	♦EXR	135- 29
XR2567CPΔ	♦RTN	135- 30
XR2567M	♦EXR	135- 31
XR2567MΔ	♦RTN	135- 32
XR3403CN	♦EXR	49- 30
XR3403CP	♦EXR	49- 31
XR3503M	♦EXR	42-104
XR4136CN	♦EXR	54- 75
XR4136CP	♦EXR	54- 51
XR4136M	♦EXR	54- 71
XR4151CP#1	♦EXR	112- 40
XR4151CP#2	♦EXR	111- 81
XR4151CT#1	♦EXR	112- 41
XR4151CT#2	♦EXR	111- 82
XR4151MT#1	♦EXR	112- 42
XR4151MT#2	♦EXR	111- 83
XR4151P#1	♦EXR	112- 43
XR4151P#2	♦EXR	111- 84
XR4151T#1	♦EXR	112- 44

Δ-Registered with JEDEC by this manufacturer

♦-Copy of mfr's data sheet may be ordered from D.A.T.A.

TYPE No.	MFRS	Pg&Line
XR4151T#2	♦EXR	111- 85
XR4194CK	♦EXR	89- 95
XR4194CN	♦EXR	89- 91
XR4194M	♦EXR	94- 35
XR4194MK	♦EXR	94- 38
XR4195CK	♦EXR	88- 3
XR4195CP	♦EXR	87- 83
XR4195CT	♦EXR	87- 90
XR4195MK	♦EXR	88- 4
XR4195MT	♦EXR	87- 91
XR4202N	♦EXR	54- 68
XR4202P	♦EXR	54- 50
XR4212CN	♦EXR	54- 76
XR4212CP	♦EXR	54- 52
XR4212M	♦EXR	54- 72
XR4558CP	♦EXR	30- 45
XR4739CN	♦EXR	47- 67
XR4739CP	♦EXR	47- 68
XR4741CN	♦EXR	47- 69
XR4741CP	♦EXR	47- 70
XR4741M	♦EXR	47- 66
Z5AT500SL	♦ZEL	121-107
Z5BT250SP	♦ZEL	121-108
Z5BT500SP	♦ZEL	121-109
Z15AT25DP	♦ZEL	121-110
Z15AT65DL	♦ZEL	122- 1
Z15AT65DP	♦ZEL	122- 2
Z15AT100DP	♦ZEL	122- 3
Z15BT25DP	♦ZEL	122- 4
Z15BT65DP	♦ZEL	122- 5
Z15BT100DP	♦ZEL	122- 6
ZA702M1	ZEL	67- 34
ZA703M1	ZEL	67- 36
ZA801D1	♦ZEL	38- 54
ZA801M1	♦ZEL	40- 5
ZA801M2	♦ZEL	39- 31
ZA801M3	♦ZEL	38- 89
ZA802M1	♦ZEL	40- 6
ZA804M1	♦ZEL	40- 7
ZA804M2	♦ZEL	39- 32
ZA903M1	♦ZEL	38- 84
ZA903M2	♦ZEL	38- 83
ZA910M1	♦ZEL	55- 20
ZEL1	♦ZEL	44- 89
ZEL1-02	♦ZEL	44- 29 67- 11
ZEL1-03	♦ZEL	44- 39 67- 12
ZEL1-04	♦ZEL	44- 55 67- 15
ZEL1AC	♦ZEL	44- 90
ZEL1C	♦ZEL	44- 91
ZEL1E	♦ZEL	64- 20
ZEL1EC	♦ZEL	64- 21
ZLA10	FERB	74- 91
ZLA15	FERB	74- 90
ZLD2T	♦FERB	31- 57
ZLD2U	♦FERB	31- 58
ZLD709	♦FERB	45- 28
ZLD709C	♦FERB	47-109
ZLD709CE	♦FERB	47-110
ZLD709CF	♦FERB	48- 1
ZLD709CG	♦FERB	48- 2
ZLD709F	♦FERB	45- 29
ZLD741	♦FERB	37- 1
ZLD741C	♦FERB	38- 10
ZLD741CE	♦FERB	38- 11
ZM605	♦ZEL	109- 77
ZM606	♦ZEL	109- 95
ZN402E	♦FERB	31- 40
ZN402T	♦FERB	31- 41
ZN414	♦FERB	142- 21
ZN423T	♦FERB	136- 59
ZN424E	♦FERB	31- 42
ZN424P	♦FERB	31- 43
ZN424T	♦FERB	31- 44
ZN456J	♦FERB	108- 18
ZN458	♦FERB	136- 60
ZN459CT	♦FERB	74- 1
ZN459T	♦FERB	74- 2
ZNA103E	♦FERB	138- 68
ZTK6.8	INTG	137- 26
ZTK9	INTG	137- 27
ZTK11	INTG	137- 28
ZTK18	INTG	137- 29
ZTK22	INTG	137- 30
ZTK27	INTG	137- 31
ZTK33	INTG	137- 32

Δ-Registered with JEDEC by this manufacturer

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3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	LF156			5.0u	3.0m	30p						5.0MØ		15				CN1d
2	ID4251	3.0	90u	5.0u†	3.0mΔ§	5.0n§	15n§	2.0	3.0M	1.0	10kØ	300kØ	100	100m†	70	5C	A123	
3	UC4251	3.0	90u	5.0u†	4.0mΔ	5.0n	15n	2.0	3.0M	1.0	10kØ	300kØ	100	100m†	70	5C	A123	TO99
4	ID4251C	3.0	110u	5.0u†	6.0mΔ§	10n§	30n§	2.0	3.0M	1.0	10kØ	300kØ	96	100m†	70	07	A123	
5	UC4251C	3.0	110u	5.0u†	7.5mΔ	15n	50n	2.0	3.0M	1.0	10kØ	300kØ	96	100m†	70	07	A123	TO99
6	LM2902N*	5.0			7.0m§	50n§	500n§	3.5 Δ		3.5	2.0kØ		100 †		85	48	A222	MP236
7#	TBB0324A	5.0			7.0m	50n	250n			20m	10kØ	1.0MØ	88		65	28	A222	MP39
8	SE532T*	5.0 §	2.0m		5.0m§	30n§	300n§	1.5 §		1.5	20m		100		85 †	5C	A277a	CN1g
9	SE532V*	5.0 §	2.0m		5.0m§	30n§	300n§	1.5 §		1.5	20m		100		85 †	5C	A277a	MP216
10	NE532V*	5.0 §	2.0m		7.0m§	50n§	500n§	1.5 §		1.5	20m		100		85 †	07	A277a	MP216
11	SU532T*	5.0 §	2.0m		7.0m§	50n§	500n§	1.5 §		1.5	20m		100		85 †	28	A277a	CN1g
12	SU532V*	5.0 §	2.0m		7.0m§	50n§	500n§	1.5 §		1.5	20m		100		85 †	28	A277a	MP216
13	TL321IJG	5.0 §♦	5.0m		7.0m	100n	300n	3.5 §		26	2.0kØ		94		70	28	A397	MP401d
14	TL321IL	5.0 §♦	5.0m		7.0m	100n	300n	3.5 §		26	2.0kØ		94		70	28	A397a	CN1k
15	TL321IP	5.0 §♦	5.0m		7.0m	100n	300n	3.5 §		26	2.0kØ		94		70	28	A397	MP267d
16	TL321MJG	5.0 §♦	5.0m		7.0m	100n	300n	3.5 §		26	2.0kØ		94		70	5C	A397	MP401d
17	TL321ML	5.0 §♦	5.0m		7.0m	100n	300n	3.5 §		26	2.0kØ		94		70	5C	A297a	CN1k
18	TL321MP	5.0 §♦	5.0m		7.0m	100n	300n	3.5 §		26	2.0kØ		94		70	5C	A397	MP267d
19	TL321CJG	5.0 §♦	5.0m		9.0m	150n	500n	3.5 §		26	2.0kØ		88		65	07	A397	MP401d
20	TL321CL	5.0 §♦	5.0m		9.0m	150n	500n	3.5 §		26	2.0kØ		88		65	07	A397a	CN1k
21	TL321CP	5.0 §♦	5.0m		9.0m	150n	500n	3.5 §		26	2.0kØ		88		65	07	A397	MP267d
22#	TCA520B	5.0	5.0m†	5.0u†§	6.0m§	30n§	100n§	4.5		4.9	5.0kØ	1.0MØ	88	50	70	28	A237	MP189b
23#	TCA520D	5.0	5.0m	5.0u†§	6.0m§	30n§	100n§	4.5		4.9	5.0kØ	1.0MØ	88	50	70	28	A237	MP355
24#	TDA0358D*	5.0 §	6.0m		7.0m§	50n§	500n§	3.5		3.5	2.0kØ	1.0MØ	100 †	10 †	85 †	28	A385	MP355
25	LM2904JG	5.0 ♦	6.0m		10m§	50n§	500n§	3.5		20	2.0kØ		100		85	48	A355	MP401d
26	LM2904L	5.0 ♦	6.0m		10m§	50n§	500n§	3.5		20	2.0kØ		100		85	48	A355a	CN1k
27	LM2904P	5.0 ♦	6.0m		10m§	50n§	500n§	3.5		20	2.0kØ		100		85	48	A356	MP267d
28▼	LM124N*	5.0 §♦	6.0m	7.0u†	7.0m	100n	300n	3.5 §		5.0 †	10kØ	1MØ†	94		70	5C	A222	MP153h
29♦	LM158H*	5.0 §	6.0m	7.0u†	7.0m	100n	300n	28 Δ§		3.3	2kØ		91		70	5C	A414	CN1d
30▼	LM158J*	5.0 §	6.0m	7.0u†	7.0m	100n	300n	28 Δ§		3.3	2kØ		91		70	5C	A414a	MP401a
31	LM158JG	5.0 ♦	6.0m	7.0u†	7.0m	100n	300n	3.5		3.5	2.0kØ		94		70	5C	A355	MP401d
32	LM158L	5.0 ♦	6.0m	7.0u†	7.0m	100n	300n	3.5		3.5	2.0kØ		94		70	5C	A355a	CN1k
33▼	LM158N*	5.0 §♦	6.0m	7.0u†	7.0m	100n	300n	3.5 §		5.0 †	10kØ	1.0MØ†	94		70	5C	A421	MP549a
34▼	LM158T*	5.0 §♦	6.0m	7.0u†	7.0m	100n	300n	3.5 §		5.0 †	10kØ	1.0MØ†	94		70	5C	A421a	CN1g
35▼	LM224F⧄*	5.0 §♦	6.0m	7.0u†	7.0m	100n	300n	3.5 §		5.0 †	10kØ	1.0MØ†	94		70	28	A222	MP319k
36▼	LM224N⧄*	5.0 §♦	6.0m	7.0u†	7.0m	100n	300n	3.5 §		5.0 †	10kØ	1.0MØ†	94		70	28	A222	MP153h
37▼	LM258HΔ*	5.0 §	6.0m	7.0u†	7.0m	100n	300n	28 Δ§		3.3	2kØ		91		70	28	A414	CN1d
38▼	LM258J*	5.0 §	6.0m	7.0u†	7.0m	100n	300n	28 Δ§		3.3	2kØ		91		70	28	A414a	MP401a
39▼	LM258N*	5.0 §	6.0m	7.0u†	7.0m	100n	300n	28 Δ§		3.3	2kØ		91		70	28	A414a	MP161a
40▼	LM258T*	5.0 §♦	6.0m	7.0u†	7.0m	100n	300n	3.5 §		5.0 †	10kØ		94		70	28	A421a	CN1g
41	MLM158G	5.0 §♦	6.0m	7.0u†	7.0m	100n	300n	28		3.5	2.0kØ		94		70	5C	A308a	TO99
42	MLM158U	5.0 §♦	6.0m	7.0u†	7.0m	100n	300n	28		3.5	2.0kØ		94		70	5C	A308a	MP401a
43	LM258H	5.0 §	6.0m	7.0u†	7.5m	150n	500n	3.5		20m	10kØ	1.0MØ	88		70	28	A332	CN1d
44	LM358H	5.0 §	6.0m	7.0u†	7.5m	150n	500n	3.5		20m	10kØ	1.0MØ	88		70	07	A332	CN1d
45	LM358N	5.0 §	6.0m	7.0u†	7.5m	150n	500n	3.5		20m	10kØ	1.0MØ	88		70	07	A332	MP491
46	MLM258G	5.0 §♦	6.0m	7.0u†	7.5m	150n	500n	28		3.5	2.0kØ		88		65	28	A308a	TO99
47	MLM258P1	5.0 §♦	6.0m	7.0u†	7.5m	150n	500n	28		3.5	2.0kØ		88		65	28	A308a	MP161
48	MLM258U	5.0 §♦	6.0m	7.0u†	7.5m	150n	500n	28		3.5	2.0kØ		88		65	28	A308a	MP401a
49	MLM358G	5.0 §♦	6.0m	7.0u†	7.5m	150n	500n	28		3.5	2.0kØ		88		65	07	A308a	TO99
50	MLM358P1	5.0 §♦	6.0m	7.0u†	7.5m	150n	500n	28		3.5	2.0kØ		88		65	07	A308a	MP161
51	MLM358U	5.0 §♦	6.0m	7.0u†	7.5m	150n	500n	28		3.5	2.0kØ		88		65	07	A308a	MP401a
52▼	NE532N*	5.0 §♦	6.0m	7.0u†	7.5m	150n	500n	3.5 §		27	10kØ	1.0MØ†	88		65	07	A277a	MP549a
53♦	NE532T*	5.0 §♦	6.0m	7.0u†	7.5m	150n	500n	3.5 §		27	10kØ	1.0MØ†	88		65	07	A277a	CN1g
54	LM258JG	5.0 ♦	6.0m	7.0u†	9.0m	150n	500n	3.5		3.5	2.0kØ		88		70	28	A355	MP401d
55	LM258L	5.0 ♦	6.0m	7.0u†	9.0m	150n	500n	3.5		3.5	2.0kØ		88		70	28	A355a	CN1k
56	LM258P	5.0 ♦	6.0m	7.0u†	9.0m	150n	500n	3.5		3.5	2.0kØ		88		70	28	A355	MP267d
57▼	LM324F*	5.0 §♦	6.0m	7.0u†	9.0m	150n	500n	3.5 §		5.0 †	10kØ	1.0MØ†	88		65	07	A222	MP319k
58▼	LM324N⧄*	5.0 §♦	6.0m	7.0u†	9.0m	150n	500n	3.5 §		5.0 †	10kØ	1.0MØ†	88		65	07	A222	MP153h
59▼	LM358HΔ*	5.0 §	6.0m	7.0u†	9.0m	150n	500n	28 Δ§		3.3	2kØ		25		65	07	A414	CN1d
60▼	LM358J*	5.0 §	6.0m	7.0u†	9.0m	150n	500n	28 Δ§		3.3	2kØ		25		65	07	A414a	MP401a
61	LM358JG	5.0 ♦	6.0m	7.0u†	9.0m	150n	500n	3.5		3.5	2.0kØ		88		70	07	A355	MP401d
62	LM358L	5.0 ♦	6.0m	7.0u†	9.0m	150n	500n	3.5		3.5	2.0kØ		88		70	07	A355a	CN1k
63▼	LM358NΔ*	5.0 §	6.0m	7.0u†	9.0m	150n	500n	28 Δ§		3.3	2kØ		25		65	07	A414a	MP161a
64▼	LM358N⧄*	5.0 §♦	6.0m	7.0u†	9.0m	150n	500n	3.5 §		5.0 †	10kØ		88		65	07	A421	MP549a
65	LM358P	5.0 ♦	6.0m	7.0u†	9.0m	150n	500n	3.5		3.5	2.0kØ		88		70	07	A355	MP267d
66▼	LM358T*	5.0 §♦	6.0m	7.0u†	9.0m	150n	500n	3.5 §		5.0 †	10kØ		88		65	07	A421a	CN1g
67♦	SA534F*	5.0 §♦	6.0m	7.0u†	9.0m	150n	500n	3.5 §		5.0 †	10kØ		88		65	48	A222	MP319k
68▼	SA534N*	5.0 §♦	6.0m	7.0u†	9.0m	150n	500n	3.5 §		5.0 †	10kØ		88		65	48	A222	MP153h
69▼	LM2904H*	5.0 §	6.0m	7.0u†	10m	200n	500n	24 Δ§		3.3	10kØ		100		50	48	A414	CN1d
70▼	LM2904J*	5.0 §	6.0m	7.0u†	10m	200n	500n	24 Δ§		3.3	10kØ		100		50	48	A414a	MP401a
71▼	LM2904NΔ*	5.0 §	6.0m	7.0u†	10m	200n	500n	24 Δ§		3.3	10kØ		100		50	48	A414a	MP161a
72▼	LM158AN*	5.0 §♦	6.0m	15u	4.0m	30n	100n	3.5 §		5.0 †	10kØ	1.0MØ†	94		70	5C	A421	MP549a
73▼	LM158AT*	5.0 §♦	6.0m	15u	4.0m	30n	100n	3.5 §		5.0 †	10kØ	1.0MØ†	94		70	5C	A421a	CN1g
74▼	LM258AN*	5.0 §♦	6.0m	15u	4.0m	30n	100n	3.5 §		5.0 †	10kØ		94		70	28	A421	MP549a
75▼	LM258AT*	5.0 §♦	6.0m	15u	4.0m	30n	100n	3.5 §		5.0 †	10kØ		94		70	28	A421a	CN1g
76▼	LM124AF⧄*	5.0 §♦	6.0m	20u	4.0m	30n	100n	3.5 §		5.0 †	10kØ	1MØ†	94		70	5C	A222	MP319k
77▼	LM124AN*	5.0 §♦	6.0m	20u	4.0m	30n	100n	3.5 §		5.0 †	10kØ	1MØ†	94		70	5C	A222	MP153h
78▼	LM224AN*	5.0 §♦	6.0m	20u	4.0m	30n	100n	3.5 §		5.0 †	10kØ	1.0MØ†	94		70	28	A222	MP153h
79▼	LM358AN*	5.0 §♦	6.0m	20u	5.0m	75n	200n	3.5 §		5.0 †	10kØ		88		65	07	A421	MP549a
80▼	LM358AT*	5.0 §♦	6.0m	20u	5.0m	75n	200n	3.5 §		5.0 †	10kØ		88		65	07	A421a	CN1g
81▼	NE532AN*	5.0 §♦	6.0m	20u	5.0m	75n	200n	3.5 §		1.4 †		1.0MØ†	88		65	07	A277a	MP549a
82▼	NE532AT*	5.0 §♦	6.0m	20u	5.0m	75n	200n	3.5 §		1.4 †		1.0MØ†	88		65	07	A277a	CN1g
83▼	LM324AF*	5.0 §♦	6.0m	30u	5.0m	75n	200n	3.5 §		5.0 †	10kØ	1.0MØ†	88		65	07	A222	MP319k
84▼	LM324AN⧄*	5.0 §♦	6.0m	30u	5.0m	75n	200n	3.5 §		5.0 †	10kØ	1.0MØ†	88		65	07	A222	MP153h
85	AM124D	5.0	10m		5.0m	30n	300n	1.5		1.5	2.0uØ	1.0MØ	100	500m	85	5C	A222	
86	AM124F	5.0	10m		5.0m	30n	300n	1.5		1.5	2.0uØ	1.0MØ	100	500m	85	5C	A222	
87	AM224D	5.0	10m		5.0m	30n	300n	1.5		1.5	2.0uØ	1.0MØ	100	500m	85	28	A222	
88	SG124J	5.0	10m		5.0m§	30n§	300n§	1.5 §		1.5	2.0kØ	600kØ†	100 †	500m	85 †	5C	A222	TO116
89	AM324D	5.0	10m		7.0m	50n	500n	1.5		1.5	2.0uØ	1.0MØ	100	500m	85	07	A222	
90	AM324N	5.0	10m		7.0m	50n	500n	1.5		1.5	2.0uØ	1.0MØ	100	500m	85	07	A222	
91	LM124J*	5.0 ♦	10m		7.0m	100n	300n	3.5		26	2.0kØ		94		70	5C	A353	MP139b
92	LM324J	5.0 §	10m		7.0m§	50n§	500n§	3.5 §		3.5	2.0kØ	1.0MØ	86		60	07	A222	MP486
93	LM2902J*	5.0 §	10m		7.0m§	50n§	500n§	3.5 §		3.5	2.0kØ				60	07	A222	MP486
94	SA534A	5.0 §	10m		7.0m§	50n§	500n§	3.5 §		3.5	2.0kØ	1.0MØ	100 †	500m	85 †	48	A222	MP153
95	SG224J	5.0	10m		7.0m§	50n§	500n§	1.5 §				600kØ†	100 †	500m†	85 †	28	A222	TO116
96	SG224N	5.0	10m		7.0m§	50n§	500n§	1.5 §				600kØ†	100 †	500m†	85 †	28	A222	MP39a
97	SG324J	5.0	10m		7.0m§	50n§	500n§	1.5 §				600kØ†	100 †	500m†	85 †	07	A222	TO116
98	SG324N	5.0	10m		7.0m§	50n§	500n§	1.5 §				600kØ†	100 †	500m†	85 †	07	A222	MP39a
99#	TDA0324D*	5.0 §	10m		7.0m§	50n§	500n§	3.5		3.5	2.0kØ	1.0MØ	100 †	10 †	85 †	28	A300	FP52
100	uPC324C*	5.0 §	10m		7.0m§	50n§	500n§	3.5 §		3.5	2.0kØ		100 †		85 †	07	A222	Δ001AA
101	uPC451C*	5.0 §	10m		7.0m§	50n§	500n§	3.5 §		3.5	2.0kØ		100 †		85 †	27	A222	Δ001AA
102	LM224J*	5.0 ♦	10m		9.0m	150n	500n	3.5		26	2.0kØ		88		65	28	A353	MP139b
103	LM224N*	5.0 ♦	10m		9.0m	150n	500n	3.5		26	2.0kØ		88		65	28	A353	MP598
104	MLM2902P	5.0	10m		10m§	50n§	500n§	3.5		3.5	20m		100 †		85 †	48	A308	MP307
105	LM124D	5.0	10m	7.0u†	5.0m§	30n§	150n§			20m	10kØ		100		70	5C	A222	MP490
106	LM124F	5.0	10m	7.0u†	5.0m§	30n§	150n§			20m	10kØ		100		70	5C	A222	FP29a
107	LM124J03	5.0	10m	7.0u†	5.0m§	30n§	150n§			20m	10kØ		100		70	5C	A222	TO116
108	CA124E*	5.0 §	10m	7.0u†	7.0m	100n	300n	3.5 §		27	10kØ	1.0M†Ø	83		70	5C	A277	Δ001AB
109	CA124G*	5.0 §	10m	7.0u†	7.0m	100n	300n	3.5 §		27	10kØ	1.0M†Ø	88		70	5C	A277	Δ001AB
110	LM224D	5.0	10m	7.0u†	7.0m§	50n§	250n§			20m	10kØ	1.0MØ	88		65	28	A222	MP490

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	LM324D	5.0	10m	7.0u†	7.0m§	50n§	250n§			20m	10kØ	1.0MØ	88		65	07	A222	MP490
2	LM324N	5.0	10m	7.0u†	7.0m§	50n§	250n§			20m	10kØ	1.0MØ	88		65	07	A222	MP39n
3	MLM124L	5.0 §♦	10m	7.0u†	7.0m	100n	300n	5.0 Δ§		3.5 †	2.0kØ		94		70	5C	A308	TO116
4	CA224E*	5.0 §	10m	7.0u†	9.0m	150n	500n	3.5 §		27	10kØ	1.0M†Ø	83		65	5C	A277	Δ001AB
5	CA224G*	5.0 §	10m	7.0u†	9.0m	150n	500n	3.5 §		27	10kØ	1.0M†Ø	83		65	5C	A277	Δ001AB
6	CA324E*	5.0 §	10m	7.0u†	9.0m	150n	500n	3.5 §		27	10kØ	1.0M†Ø	83		65	5C	A277	Δ001AB
7	CA324G*	5.0 §	10m	7.0u†	9.0m	150n	500n	3.5 §		27	10kØ	1.0M†Ø	83		65	5C	A277	Δ001AB
8	CA324H*	5.0 §	10m	7.0u†	9.0m	150n	500n	3.5 §		27	10kØ	1.0M†Ø	83		65	5C	A277	CH16aa
9	CA324HG	5.0 §	10m	7.0u†	9.0m	150n	500n	3.5 §		27	10kØ	1.0M†Ø	83		65	5C	A277	CH16aa
10	MLM224L	5.0 §♦	10m	7.0u†	9.0m	150n	500n	5.0 Δ§		3.5 †	2.0kØ		88		65	28	A308	TO116
11	MLM224P	5.0 §♦	10m	7.0u†	9.0m	150n	500n	5.0 Δ§		3.5 †	2.0kØ		88		65	28	A308	MP307
12	MLM324L	5.0 §♦	10m	7.0u†	9.0m	150n	500n	5.0 Δ§		3.5 †	2.0kØ		88		65	07	A308	TO116
13	MLM324P	5.0 §♦	10m	7.0u†	9.0m	150n	500n	5.0 Δ§		3.5 †	2.0kØ		88		65	07	A308	MP307
14	LM124J⍁	5.0 §♦	15m	7.0u	7.0m	100n	300n	3.5		3.5	2.0kØ	1.0MØ	94		70	5C	A388	MP319b
15	LM324J⍁	5.0 §♦	15m	7.0u	9.0m	150n	500n	3.5		3.5	2.0kØ	1.0MØ	88		65	07	A388	MP319b
16	LM2902J⍁*	5.0 §♦	15m	7.0u	10m	200n	500n	3.5		3.5	10kØ	1.0MØ	100 †		50	48	A388	MP319b
17	LM2904N	5.0 §♦	15m	7.0u	10m	200n	500n	3.5		3.5	10kØ	1.0MØ	100 †		50	48	A332	MP491
18	LM124AD	5.0 §♦	15m	20u	4.0m	30n	100n	3.5		26	2.0kØ	1.0MØ	94		70	5C	A388	MP490
19	LM124AF	5.0 §♦	15m	20u	4.0m	30n	100n	3.5		26	2.0kØ	1.0MØ	94		70	5C	A388	FP29a
20	LM124AJ	5.0 §♦	15m	20u	4.0m	30n	100n	3.5		26	2.0kØ	1.0MØ	94		70	5C	A388	MP319b
21	LM224AD	5.0 §♦	15m	20u	4.0m	30n	100n	3.5		26	2.0kØ	1.0MØ	94		70	28	A388	MP490
22	LM224AF	5.0 §♦	15m	20u	4.0m	30n	100n	3.5		26	2.0kØ	1.0MØ	94		70	28	A388	FP29a
23	LM224AJ	5.0 §♦	15m	20u	4.0m	30n	100n	3.5		26	2.0kØ	1.0MØ	94		70	28	A388	MP319b
24	LM224F	5.0 §♦	15m	20u	4.0m	30n	100n	3.5		3.5	2.0kØ	1.0MØ	94		70	28	A388	FP29a
25	LM224J⍁	5.0 §♦	15m	20u	4.0m	30n	100n	3.5		3.5	2.0kØ	1.0MØ	94		70	28	A388	MP319b
26	LM324AJ	5.0 §♦	15m	30u	5.0m	75n	200n	3.5		26	2.0kØ	1.0MØ	88		65	07	A388	MP319b
27	LM324AN	5.0 §♦	15m	30u	5.0m	75n	200n	3.5		26	2.0kØ	1.0MØ	88		65	07	A388	MP39n
28▼	LM224AN⍁*	5.0 §♦	90m	70u	4.0m	30n	100n	3.5		26	2.0kØ	1.0MØ	94		70	28	A388	MP39d
29	CA258G	5.0 §♦	180m	7.0u†	7.0n	100n	300n	28		3.5	2.0kØ		94		70	5C	A400a	MP446
30	CA258S	5.0 §♦	180m	7.0u†	7.0n	100n	300n	28		3.5	2.0kØ		94		70	5C	A400	CN46
31	CA158G	5.0 §♦	180m	7.0u†	7.0m	100n	300n	28		3.5	2.0kØ		94		70	5C	A400a	MP446
32	CA158S	5.0 §♦	180m	7.0u†	7.0m	100n	300n	28		3.5	2.0kØ		94		70	5C	A400	CN46
33	CA158T	5.0 §♦	180m	7.0u†	7.0m	100n	300n	28		3.5	2.0kØ		94		70	5C	A400	Δ002AL
34	CA258T	5.0 §♦	180m	7.0u†	7.0m	100n	300n	28		3.5	2.0kØ		94		70	5C	A400	Δ002AL
35	CA358G	5.0 §♦	180m	7.0u†	9.0m	150n	500n	28		3.5	2.0kØ		88		65	5C	A400A	MP446
36	CA358S	5.0 §♦	180m	7.0u†	9.0m	150n	500n	28		3.5	2.0kØ		88		65	5C	A400	CN46
37	CA358T	5.0 §♦	180m	7.0u†	9.0m	150n	500n	28		3.5	2.0kØ		88		65	5C	A400	Δ002AL
38	CA2904G	5.0 §♦	180m	7.0u†	10m	200n	500n	28		3.5	10kØ		100		50	5C	A400a	MP446
39	CA158AG	5.0 §♦	180m	15u	4.0m	30n	100n	28		3.5	2.0kØ		94		70	5C	A400a	MP446
40	CA158AS	5.0 §♦	180m	15u	4.0m	30n	100n	28		3.5	2.0kØ		94		70	5C	A400	CN46
41	CA158AT	5.0 §♦	180m	15u	4.0m	30n	100n	28		3.5	2.0kØ		94		70	5C	A400	Δ002AL
42	CA258AG	5.0 §♦	180m	15u	4.0m	30n	100n	28		3.5	2.0kØ		94		70	5C	A400a	MP446
43	CA258AS	5.0 §♦	180m	15u	4.0m	30n	100n	28		3.5	2.0kØ		94		70	5C	A400	CN46
44	CA258AT	5.0 §♦	180m	15u	4.0m	30n	100n	28		3.5	2.0kØ		94		70	5C	A400	Δ002AL
45	CA358AG	5.0 §♦	180m	20u	5.0m	75n	200n	28		3.5	2.0kØ		88		65	5C	A400a	MP446
46	CA358AS	5.0 §♦	180m	20u	5.0m	75n	200n	28		3.5	2.0kØ		88		65	5C	A400	CN46
47	CA358AT	5.0 §♦	180m	20u	5.0m	75n	200n	28		3.5	2.0kØ		88		65	5C	A400	Δ002AL
48	uA124DM	5.0	670m⍁	7.0u†	7.0m	100n	300n	28 †		28 †	10kØ	1.0MØ†	100 †	600m†	70	5C	A324	MP359
49	uA324DC	5.0	670m⍁	7.0u†	9.0m	150n	500n	28 †		28 †	10kØ	1.0MØ†	100 †	600m†	65	07	A324	MP359
50	uA324PC	5.0	670m⍁	7.0u†	9.0m	150n	500n	28 †		28 †	10kØ	1.0MØ†	100 †	600m†	65	07	A324	MP151c
51	153K	5.4	378u	2.0u	250u§	3.0n	3.0n§	2.0	1.0M	2.0	2.0m	150k†Ø	94	20m	94	$6		MP5ac
52	153J	5.4	378u	5.0u	1.0m§	3.0n§	3.0n§	2.0	1.0M	2.0	2.0m	150k†Ø	94	20m	94	$6		MP5ac
53	1006	5.4	1.0m	50u§	1.0m		50p§	1.0	100G†	3.0	1.0m	600kØ†	80	500m	60	28		MP5c
54♦	MC1776G†	6.0	960u		6.0m	15n§	50n§	2.0	5.0M†	3.6	5.0kØ		91	350m†	70	5C	A187	CN1d
55▼	MC1776U†	6.0	960u		6.0m	15n§	50n§	2.0	5.0M†	3.6	5.0kØ		91	350m†	70	5C	A187	MP401a
56	HA2-2720#1†	6.0	1.0m†		5.0m	20n	40n	30 Δ	5.0M†	4.0	4.0m†		88	700m†	74	5C	A249	TO99
57	HA2-2725#1†	6.0	1.0m†		7.0m	20n	40n	30 Δ	5.0M†	4.0	4.0m†		88	700m†	74	07	A249	TO99
58♦	MC1776CG†	6.0	1.0m		7.5m	25n§	50n§	2.0	5.0M†	4.0	5.0kØ		85	350m†	70	07	A187	CN1d
59▼	MC1776CP†	6.0	1.0m		7.5m	25n§	50n§	2.0	5.0M†	4.0	5.0kØ		85	350m†	70	07	A187	MP161a
60▼	MC1776CU†	6.0	1.0m		7.5m	25n§	50n§	2.0	5.0M†	4.0	5.0kØ		85	350m†	70	07	A187	MP401a
61	SN52702AFA#2	9.0 §	30m	15u⍁	4.0m	1.5u⍁	7.5u⍁	2.0 §	22k	5.0	100kØ		56	1.7 †	80	5C	A015	FP2t
62	SN52702AJ#2	9.0 §	30m	15u⍁	4.0m	1.5u⍁	7.5n⍁	2.0 §	22k	5.0	100kØ		56	1.7 †	80	5C	A015	TO116
63	SN52702AL#2	9.0 §	30m	15u⍁	4.0m	1.5u⍁	7.5u⍁	2.0 §	22k	5.0	100kØ		56	1.7 †	80	5C	A015	TO99
64	SN52702FA#2	9.0 §	35m	5.0u⍁	6.0m	3.0u⍁	14u⍁	2.0 §	12k	5.0	100kØ		52	1.7 †	70	5C	A015	FP2t
65	SN52702J#2	9.0 §	35m	5.0u⍁	6.0m	3.0u⍁	14u⍁	2.0 §	12k	5.0	100kØ		52	1.7 †	70	5C	A015	TO116
66	SN52702L#2	9.0 §	35m	5.0u⍁	6.0m	3.0u⍁	14u⍁	2.0 §	12k	5.0	100kØ		52	1.7 †	70	5C	A015	TO99
67#	TDA4250B#2	12 ♦	132u		6.5m	6.0n	12n	27		26	100kØ		94	25m	70	28	A387	MP491a
68#	TDA4250D#2	12 ♦	132u		6.5m	6.0n	12n	27		26	100kØ		94	25m	70	28	A387	MP355
69▼	RM3078ADE†	12	300u		4.5m	5.0n	50n	10	1.7M	10	12m†	2.0k†	90	500m	80	5C	A417	MP401j
70▼	RM3078AT†	12	300u		4.5m	5.0n	50n	10	1.7M	10	12m†	2.0k†	90	500m	80	5C	A417	TO99
71	CA6078AH	12	300u	6.0u§	3.5m§	2.5n§	12n§	28	1.7m†	28	10kØ	2.0k†	92	40m†	80	5C	A174d	CH⍁
72	CA6078AS	12	300u	6.0u§	3.5m§	2.5n§	12n§	28	1.7m†	28	10kØ	2.0k†	92	40m†	80	5C	A174d	
73	CA6078AT	12	300u	6.0u§	3.5m§	2.5n§	12n§	28	1.7M†	28	10kØ	2.0k†	92	40m†	80	5C	A174d	Δ002AL
74	ICL8021MTA	12 ♦	360u†	5.0u†	4.0mΔ	11n	32n	24	3.0M	22	2.0m	270k†Ø	96	160m†	70	5C	A123	TO99
75	SG4250M	12 ♦	360u	5.0u†	4.0m	5.0n	15n	24	3.0M	22	10kØ	250kØ	100	160m†	70	5C	A199	TO99
76	ICL8021CTA	12 ♦	360u†	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	2.0m	270k†Ø	96	160m†	70	07	A123	TO99
77	ID4250	12 ♦	480u	5.0u†	3.0mΔ§	5.0n§	15n§	24	3.0M	22	1.2m	250k†Ø	100	160m†	70	5C	A123	
78▼	ICL8021MBH	12	480u	5.0u†	4.0m	10n	30n	24	3.0M	22	10kØ	270k†Ø	96	160m†	70	5C	A123b	FP60
79	SG4250T	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	500kØ†	100	400m†	70	07	A199	TO99
80	UC4250	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	300kØ	100	100m†	70	5C	A123	TO99
81	UC4252*	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	14	3.0M	12	10kØ	250kØ†	100	160m†	70	5C	A394	MP447a
82	UC4253*	12 ♦	480u	5.0u†	4.0mΔ	5.0n	15n	24	3.0M	22	10kØ	250k†Ø	100	160m†	70	5C	A123	MP40
83	LH24250D	12	480u	10u†	4.0m	5.0n	15n	24	3.0M	20	10kØ	5.0 †	100	100m†	70	5C	A220a	MP230b
84	LH24250F	12	480u	10u†	4.0m	5.0n	15n	24	3.0M	20	10kØ	5.0 †	100	100m†	70	5C	A220a	FP28a
85	UC4252C*	12 ♦	600u	5.0u†	2.0mΔ	15n	50n	14	3.0M	12	10kØ	250kØ†	97	100m†	70	06	A394	MP447a
86▼	ICL8021CBH	12	600u	5.0u†	7.5m	15n	50n	24	3.0M	22	10kØ	270k†Ø	96	160m†	70	07	A123b	FP60
87	SG4250CM	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	500kØ†	96	400m†	70	07	A199	MP189a
88	SG4250CT	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	500kØ†	96	400m†	70	07	A199	TO99
89	UC4250C	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250k†Ø	96	100m†	70	07	A123	TO99
90	UC4253C*	12 ♦	600u	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	10kØ	250k†Ø	96	100m†	70	07	A123	MP40
91	LH24250CD	12	600u	10u†	7.5m	15n	50n	24	3.0M	20	10kØ	5.0 †	97	100m†	70	07	A220a	MP230b
92	LH24250CF	12	600u	10u†	7.5m	15n	50n	24	3.0M	20	10kØ	5.0 †	97	100m†	70	07	A220a	FP28a
93	ICL8022MDD	12 ♦	720u†	5.0u†	4.0mΔ	11n	32n	24	3.0M	22	2.0m	270k†Ø	96	160m†	70	5C	A382	MP319e
94	ICL8022CDD	12 ♦	720u†	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	2.0m	270k†Ø	96	160m†	70	07	A382	MP319e
95	ICL8023MDE	12 ♦	1.0m†	5.0u†	4.0mΔ	11n	32n	24	3.0M	22	2.0m	270k†Ø	96	160m†	70	5C	A383	MP104f
96	ICL8023CDE	12 ♦	1.0m†	5.0u†	7.5mΔ	15n	50n	24	3.0M	22	2.0m	270k†Ø	96	160m†	70	07	A383	MP104f
97▼#	TDA4250B†	12	1.2m		7.5m	25n	85n	27		25	10kØ		96	250m†	70	28	A387	MP491a
98#	TDA4250B#1	12 ♦	1.2m		7.5m	25n	85n	27		25	10kØ		94	250m	70	28	A387	MP491a
99▼#	TDA4250D†	12	1.2m		7.5m	25n	85n	27		25	10kØ		96	250m†	70	28	A387	MP355
100#	TDA4250D#1	12 ♦	1.2m		7.5m	25n	85n	27		25	10kØ		94	250m	70	28	A387	MP355
101	170	12	1.4m†	20u	Δ		50n§	3.0	1.0M	10 †	1.0m†	300k§†	100	300m	73 †	28		MP6g
102	CA3078H	12	1.5m		5.0m	40n	200n	11 §†	870k†			2.0k†	88	40m†	80	07	Z122	CH⍁
103	CA3078S	12	1.5m		5.0m	40n	200n	11 §†	870k†			2.0k†	88	40m†	80	5C	Z122	
104	CA3078T	12	1.5m		5.0m	40n	200n	11 §†	870k†			2.0k†	88	40m†	80	07	Z122	Δ002AL
105▼	RC3078DE†	12	1.5m	6.0u†§	5.0m	40n	200n	10	870k	10	30m		88	1.5	80	07	A417	MP401j
106▼	RC3078NB†	12	1.5m	6.0u†§	5.0m	40n	200n	10	870k	10	30m		88	1.5	80	07	A417	MP491
107▼	RC3078T†	12	1.5m	6.0u†§	5.0m	40n	200n	10	870k	10	30m		88	1.5	80	07	A417	TO99
108#	TCA220*	12	12m		10m§	200n§†	2.0u§	9.9 §	25k	9.5	10kØ	5.0MØ	72	400m†	90 †	5C	A183	MP337d
109	CA3008	12	30m†		5.0m§	5.0u§	12u§	4.5 §†	10k	4.0	5.0kØ	200k	57		70	5C	A051	FP10
110	CA3010	12	30m†		5.0m§	5.0u§	12u§	4.5 §†	10k	4.0	5.0kØ	200k	57		70	5C	A051	CN18

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS: 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE: 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT: OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	CA3029	12	30m†		5.0m§	5.0u§	12u§	4.5 §†	10k	4.0	5.0kØ	200k	57		70	07	A051	TO116
2	CA3037	12	30m†		5.0m§	5.0u§	12u§	4.5 §†	10k	4.0	5.0kØ	200k	57		70	5C	A051	MP3
3	CA3008A	12	40m†		2.0m§	1.5u§	4.0u§	4.5 §†	15k	6.7 †	19kØ	200k	57	3.0 †	70	5C	A051	FP10
4	CA3010A	12	40m†		2.0m§	1.5u§	4.0u§	4.5 §†	15k	6.7 †	19kØ	200k	57	3.0 †	70	5C	A051	CN18
5	CA3029A	12	40m†		2.0m§	1.5u§	4.0u§	4.5 §†	15k	6.7 †	19kØ	200k	57	3.0 †	70	5C	A051	TO116
6	CA3037A	12	40m†		2.0m§	1.5u§	4.0u§	4.5 §†	15k	6.7 †	19kØ	200k	57	3.0 †	70	5C	A051	MP3
7	CA3060D*†	12	45m		5.0m§	1.0u§	5.0u§	8.3 §	10k	10	150u	110k†		8.0 †	70	5C	A180	Δ001AE
8	uA749DHC	12	54m		10m§	600n§	1.5u§	-4 §	50k	10			80		70	07	A113	CN1d
9	MC1530F	12	150m		6.0m	2.0u§	10u§	4.0	10k	9.0	1.0kØ	1.0M	73	1.7	70	5C	A045	TO91
10	MC1530G	12	150m		6.0m	2.0u§	10u§	4.0	10k	9.0	1.0kØ	1.0M	73	1.7	70	5C	A045	CN8g
11	MC1430F	12	150m		10m§	4.0u§	15u§	4.0	5.0k	8.0	1.0kØ	1.0M	69	1.7	65	07	A045	TO91
12	MC1430G	12	150m		10m§	4.0u§	15u§	4.0	5.0k	8.0	1.0kØ	1.0M	69	1.7	65	07	A045	CN8g
13	MC1430P	12	150m		10m§	4.0u§	15u§	4.0	5.0k	8.0	1.0kØ	1.0M	69	1.7	65	07	A045	TO116
14	MC1531F	12	150m		10m§	250n§	150n§	4.0	1.0M	9.0	1.0kØ	400k†	67	1.4	65	5C	A046	TO91
15	MC1531G	12	150m		10m§	250n§	150n§	4.0	1.0M	9.0	1.0kØ	400k†	67	1.4	65	5C	A046	CN8g
16	MC1431F	12	150m		15m§	100n§	300n§	4.0	300k	8.0	1.0kØ	400k†	63	1.4	60	07	A046	TO91
17	MC1431G	12	150m		15m§	100n§	300n§	4.0	300k	8.0	1.0kØ	400k†	63	1.4	60	07	A046	CN8g
18	MC1431P	12	150m		15m§	100n§	300n§	4.0	300k	8.0	1.0kØ	400k†	63	1.4	60	07	A046	TO116
19	MC1535F*	12	150m	10u†	5.0m	300n§	6.0u	5.0 §	10k	5.0	10kØ	2.0MØ†	72	167m†	70	5C	A035	TO86
20	MC1535G*	12	150m	10u†	5.0m	300n§	6.0u	5.0 §	10k	5.0	10kØ	2.0MØ†	72	167m†	70	5C	A035	CN10j
21	MC1535L*	12	150m	10u†	5.0m	300n§	6.0u	5.0 §	10k	5.0	10kØ	2.0MØ†	72	167m†	70	5C	A035	TO116
22	MC1435F*	12	180m	10u†	7.5m	1.5u	10u	5.0 §	10k	4.6	10kØ	2.0MØ†	71	167m†	70	07	A035	TO86
23	MC1435G*	12	180m	10u†	7.5m	1.5u	10u	5.0 §	10k	4.6	10kØ	2.0MØ†	71	167m†	70	07	A035	CN10j
24	MC1435L*	12	180m	10u†	7.5m	1.5u	10u	5.0 §	10k	4.6	10kØ	2.0MØ†	71	167m†	70	07	A035	TO116
25	MC1520F	12	240m	2.0u†	10m§	200n	2.0u§	4.0	500k	7.0	7.0kØ	2.0M†	60	5.0 †	75	5C	B007	TO91
26	MC1520G	12	240m	2.0u†	10m§	200n	2.0u§	4.0	500k	7.0	7.0kØ	2.0M†	60	5.0 †	75	5C	B007	CN10m
27	MC1420G	12	240m	2.0u†	15m§	200n§	40u§	6.0 †	2.0M†	6.0	7.0kØ	2.0M†	64 †	5.0 †	60	07	B007	CN10m
28	CA3060*	14	200m		5.0m§	1.0u§	5.0u§	9.5 §	10k	10	1.3u			100m†	70	5C	A180	Δ001AE
29	CA3060H*	14	200m		5.0m§	1.0u§	5.0u§	9.5 §	10k	10	1.3u			100m†	70	5C	A180	CH16p
30	CA3160AE	15 §♦	45m	6.0u†	5.0m	20p	30p	10 §	1.5T†	12	12m	4.0MØ†	94	10 †	80	5C	A377	MP446
31	CA3160AS	15 §♦	45m	6.0u†	5.0m	20p	30p	10 §	1.5T†	12	12m	4.0MØ†	94	10 †	80	5C	A377	CN46
32	CA3160AT	15 §♦	45m	6.0u†	5.0m	20p	30p	10 §	1.5T†	12	12m	4.0MØ†	94	10 †	80	5C	A377	Δ002AL
33	CA3160E	15 §♦	45m	8.0u†	15m	30p	50p	10 §	1.5T†	12	12m	4.0MØ†	94	10 †	70	5C	A377	MP446
34	CA3160H	15 §♦	45m	8.0u†	15m	30p	50p	10 §	1.5T†	12	12m	4.0MØ†	94	10 †	70	5C	A377	CH43
35	CA3160S	15 §♦	45m	8.0u†	15m	30p	50p	10 §	1.5T†	12	12m	4.0MØ†	94	10 †	70	5C	A377	CN46
36	CA3160T	15 §♦	45m	8.0u†	15m	30p	50p	10 §	1.5T†	12	12m	4.0MØ†	94	10 †	70	5C	A377	Δ002AL
37	CA3160BS	15 §♦	45m	15u	2.0m	10p	20p	10 §	1.5T†	12	12m	4.0MØ†	100	10 †	86	5C	A377	CN46
38	CA3160BT	15 §♦	45m	15u	2.0m	10p	20p	10 §	1.5T†	12	12m	4.0MØ†	100	10 †	86	5C	A377	Δ002AL
39#	TL1741	15	85m	6.0u†	6.0m	500n	500n§	24	300k	24	10kØ	10	94	800m†	70	5C	A014	TO99
40	CA3240AS	15 §	90m		5.0m	20p	40p	11 §	1.5T†	12	2.0kØ		86		70	5C	A378	CN46
41	CA3240AT	15 §	90m		5.0m	20p	40p	11 §	1.5T†	12	2.0kØ		86		70	5C	A378	Δ002AL
42	CA3240S	15 §	90m		15m	30p	50p	11 §	1.5T†	12	2.0kØ		86		70	5C	A378	CN46
43	CA3240T	15 §	90m		15m	30p	50p	11 §	1.5T†	12	2.0kØ		86		70	5C	A378	Δ002AL
44	833-21	15	105m		5.0m	100n	1.0u	24	300u	22			88	1.0	70	5C	A345	TO3
45	XR4558CP*	15	120m		6.0m	200n	500n		300k	10	2.0kØ	3.0MØ	100 †	1.0	70	07	A370	MP⍁
46	833-21C	15	120m		7.5m	200n	1.0u	24	300u	20			86	1.0	70	28	A345	TO3
47	HA2-2500-2	15 ♦	180m	20u†	8.0m	50n	200n⍁	20	25M	20	20m	12M§†	86	25	80	5C	A231	TO99
48	HA9-2500-2	15 ♦	180m	20u†	8.0m	50n	200n⍁	20	25M	20	20m	12M§†	86	25	80	5C	A231	TO86
49	HA2-2502-2	15 ♦	180m	20u†	10m	100n	250n⍁	20	20M	20	20m	12M§†	83	20	74	5C	A231	TO99
50	HA2-2505-5	15 ♦	180m	20u†	10m	100n	250n⍁	20	20M	20	20m	12M§†	83	20	74	07	A231	TO99
51	HA9-2502-2	15 ♦	180m	20u†	10m	100n	250n⍁	20	20M	20	20m	12M§†	83	20	74	5C	A231	TO86
52	HA9-2505-5	15 ♦	180m	20u†	10m	100n	250n⍁	20	20M	20	20m	12M§†	83	20	74	07	A231	TO86
53	HA2-2520-2	15 ♦	180m	20u†	11m	50n	200n⍁	20	50M	20	20m	30M§†	80	100	80	5C	A231	TO99
54	HA9-2520-2	15 ♦	180m	20u†	11m	50n	200n⍁	20	50M	20	20m	30M§†	80	100	80	5C	A231	TO86
55	HA2-2522-2	15 ♦	180m	30u†	14m	100n	250n⍁	20	40M	20	20m	30M§†	77	80	74	5C	A231	TO99
56	HA2-2525-5	15 ♦	180m	30u†	14m	100n	250n⍁	20	40M	20	20m	30M§†	77	80	74	07	A231	TO99
57	HA9-2522-2	15 ♦	180m	30u†	14m	100n	250n⍁	20	40M	20	20m	30M§†	77	80	74	5C	A231	TO86
58	HA9-2525-5	15 ♦	180m	30u†	14m	100n	250n⍁	20	40M	20	20m	30M§†	77	80	74	07	A231	TO86
59	NC210A	15	200m	15u	1.0m§	130n§		24	50k	24 †		2.5M†	62	100 †	65	5C	A103	CN34
60	NC210B	15	200m	25u	5.0m§	200n§		24	30k	24 †		2.5M†	58	100 †	60	5C	A103	CN34
61	CA3401E	15 §	210m				500n⍁		100k	10	5.0m	5.0M†Ø	66	600m†		5C	A205	Δ001AB
62	CA3401G*	15 §	210m				500n⍁		100k	10	5.0m	5.0M†Ø	66	600m†		5C	A205	Δ001AB
63	CA3401GH	15 §	210m				500n⍁		100k	13	5.0m	5.0MØ	66	600m†		5C	A205	CH34
64	CA3401H	15 §	210m				500n⍁		100k	13	5.0m	5.0MØ	66	600m†		5C	A205	CH34
65▼	RV3301DB*	15 §	210m				100n†		1.0M†	14 †	10m†	4.0MØ	60	600m†		48		MP39d
66	MC3301P	15 §	215m				100n†		100kØ	13	3.0m	4.0MØ†	40	600m†	55 †	48	A204	MP307
67	MC3401P	15 §	215m				500n		100k	13	5.0m	5.0MØ†	40	600m†	55 †	07	A205	MP307
68	CA3130AE	15 §	225m	10u†	5.0m§	20p§	30p§	10 §	1.5T†	12	2.0kØ	15M†Ø		10 †	80	5C	A278	MP446
69	CA3130AS	15 §	225m	10u†	5.0m§	20p§		10 §	1.5T†	12	2.0kØ	15M†Ø	94	10 †	80	5C	A278	CN46
70	CA3130AT	15 §	225m	10u†	5.0m§	20p§		10 §	1.5T†	12	2.0kØ	15M†Ø	94	10 †	80	5C	A278	Δ002AL
71	CA3130E	15 §	225m	10u†	15m§	30p§		10 §		12	2.0kØ	15M†Ø	94	10 †	70	5C	A278	MP446
72	CA3130H	15 §	225m	10u†	15m§	30p§		10 §		12	2.0kØ	15M†Ø	94	10 †	70	5C	A278	CH41
73	CA3130S	15 §	225m	10u†	15m§	30p§		10 §	1.5T†	12	2.0kØ	15M†Ø	94	10 †	70	5C	A278	CN46
74	CA3130T	15 §	225m	10u†	15m§	30p§		10 §	1.5T†	12	2.0kØ	15M†Ø	94	10 †	70	5C	A278	Δ002AL
75	CA3130BS	15 §	225m	15u	2.0m§	10p§		10 §	1.5T†	12	2.0kØ	15M†Ø	100	10 †	86	5C	A278	CN46
76	CA3130BT	15 §	225m	15u	2.0m§	10p§		10 §	1.5T†	12	2.0kØ	15M†Ø	100	10 †	86	5C	A278	Δ002AL
77	uA318HC	15	300m		10m§	200n§	500n§	23	500k	24		15k†	86	25	70	07		
78♦	uA759HM	15	540m		3.0m§	30n§	150n§	28 §	250k	20		1.0MØ†	88	600m	80	5E	A416b	CN⍁
79♦	uA759HC	15	540m		6.0m§	50n§	250n§	28 §	250k	20		1.0MØ†	86	500m	70	0C	A416b	CN⍁
80♦	uA759U1C	15	540m		6.0m§	50n§	250n§	28 §	250k	20		1.0MØ†	86	500m	70	0C	A416a	MP⍁
81	XR2208P§	15	625m	20u	3.0m§	75n§	200n§	22	500k	20	2.0kØ	8.0M†	70	500m	70	07	A257	MP343a
82	XR2208CP§	15	625m	30u	6.0m§	100n§	300n§	22	3.0M†	20	2.0kØ	8.0M†	70	500m	70	07	A257	MP343a
83▼	uA3301PC	15	670m⍁				300n		100k	13		5.0MØ	60	600m†		48	A325	MP252f
84▼	uA3401PC	15	670m⍁				300n		100k	13		5.0MØ	60	600m†		07	A325	MP252f
85▼	uA3303PC	15	670m⍁	10u†	10m	250n	1.0u	12		12	10kØ	1.0MØ	86	600m†	70	48	A326	MP252f
86	XR2208M§	15	750m	20u	3.0m§	75n§	200n§	22 §	500k	20	2.0kØ	8.0M†	70	500m	70	5C	A257	MP343a
87	XR2208N§	15	750m	20u	3.0m§	75n§	200n§	22	500k	20	2.0kØ	8.0M†	70	500m	70	07	A257	MP343a
88	XR2208CN§	15	750m	30u	6.0m§	100n§	300n§	22	3.0M†	20	2.0kØ	8.0M†	70	500m	70	07	A257	MP343a
89	282J	15 §	825m	12u	20m	7.0n§			100M	3.4		2.0k	40		60	07	A328	MP560
90	283J	15 §	900m	12u	2.0m	7.0n§			100M	3.4		2.0k	40		60	07	A328a	MP560a
91#	TCA230	16 §		5.0 §†	5.0m§		10u§†	5.4 §†				1.2G§	48		85 †	5C	A203	TO74
92	uPC51A	18 §	110m		5.0m§	2.0u§	7.0u§		40k†	4.0			66		70	28	A015	Δ002AK
93	SN52702FA#1	18 §	120m	5.0u⍁	6.0m	3.0u⍁	20u⍁	4.5 §	8.0k	10	100kØ		63	1.7 †	70	5C	A015	FP2t
94	SN52702J#1	18 §	120m	5.0u⍁	6.0m	3.0u⍁	20u⍁	4.5 §	8.0k	10	100kØ		63	1.7 †	70	5C	A015	TO116
95	SN52702L#1	18 §	120m	5.0u⍁	6.0m	3.0u⍁	20u⍁	4.5 §	8.0k	10	100kØ		63	1.7 †	70	5C	A015	TO99
96	RM702Q	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ	30M†	68		80	5C	A015	FP2z
97	RM702T	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ	30M†	68		80	5C	A015	TO99
98	SN52702AFA#1	18 §	120m	10u⍁	3.0m	1.5u⍁	10u⍁	4.5 §	16k	10	100kØ		68	1.7 †	80	5C	A015	FP2t
99	SN52702AJ#1	18 §	120m	10u⍁	3.0m	1.5u⍁	10u⍁	4.5 §	16k	10	100kØ		68	1.7 †	80	5C	A015	TO116
100	SN52702AL#1	18 §	120m	10u⍁	3.0m	1.5u⍁	10u⍁	4.5 §	16k	10	100kØ		68	1.7 †	80	5C	A015	TO99
101	uA702DM	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ		68		80	5C	A015	MP486b
102	uA702FM	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ		68		80	5C	A015	FP2w
103	uA702HM	18 §	120m	10u	3.0m	1.5u	10u	4.5 §	16k	10	100kØ		68		80	5C	A015	CN1d
104	uA702MJ	18 §	120m	10u	3.0m	500n§	5.0u§	4.5 §	16k	10	100kØ		68	1.7 †	80	5C	A015	MP139b
105	uA702ML	18 §	120m	10u	3.0m	500n§	5.0u§	4.5 §	16k	10	100kØ		68	1.7 †	80	5C	A015	CN1k
106	RC702T	18 §♦	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ	1.0M†	63		70	07	A015	TO99
107	RM702DC	18 §♦	120m	10u	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ	30M†	63		70	5C	A015	MP153g
108	TL702MJ	18 §	120m	10u†	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ		63		70	5C	A015	MP139b
109	TL702ML	18 §	120m	10u†	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ		63		70	5C	A015	CN1k
110	TL702MU	18 §	120m	10u†	6.0m	3.0u	20u	4.5 §	8.0k	10	100kØ		63		70	5C	A015	Δ004AE

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS: 1 TOT. VOLT. (ΔV)	PWR SUP @25°C RATED SPECS: 2 MAX IDLE P (W)	INPUT CHARACTERISTICS, OVER OPERATING TEMP. RANGE, MAX VOLTAGE: 3 DRFT (V/°C)	MAX VOLTAGE: 4 OFST (V)	MAX CURRENT: OFFSET (A)	MAX CURRENT: BIAS (A)	MIN.-@25°C: CM RANGE (ΔV)	MIN.-@25°C: DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C: P-P VOLT. (ΔV)	MIN. OUTPUT CHAR.@25°C: P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C: 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS: CKT.	DRAWINGS: OUT-LINE Δ=MO
1	RC702DC	18 §♦	120m	20u	6.5m	2.5u	12u	4.5 §	25k†	10	100kØ	30M†	64		65	07	A015	MP153g
2	uA702DC	18 §	120m	20u	6.5m	2.5u	12u	4.5 §	10k	10	100kØ		66		70	07	A015	MP486b
3	uA702HC	18 §	120m	20u	6.5m	2.5u	12u	4.5 §	10k	10	100kØ		66		70	07	A015	CN1d
4	SN72702FA	18 §	125m	5.0u⧄	15m	7.5u⧄	20u⧄	4.5 §	6.0k	10	100kØ		60	1.7 †	65	07	A015	FP2t
5	SN72702J	18 §	125m	5.0u⧄	15m	7.5u⧄	20u⧄	4.5 §	6.0k	10	100kØ		60	1.7 †	65	07	A015	TO116
6	SN72702L	18 §	125m	5.0u	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		60	1.7	65	07	A015	TO99
7	SN72702N	18 §	125m	5.0u	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		60	1.7	65	07	A015	MP39h
8	TL702CJ	18 §	125m	5.0u†	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		58	1.7 †	65	07	A015	MP139b
9	TL702CL	18 §	125m	5.0u†	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		58	1.7 †	65	07	A015	CN1k
10	TL702CN	18 §	125m	5.0u†	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		58	1.7 †	65	07	A015	MP598
11	TL702CU	18 §	125m	5.0u†	15m	7.5u	20u	4.5 §	6.0k	10	100kØ		58	1.7 †	65	07	A015	Δ004AE
12#	MB3604C	18	150m		6.0m	5.0u	20u		3.0k	9.5	10kØ		60	10	70	07	A346	MP104e
13	XR1458CP*	18 ♦	500m⧄		6.0m	200n	500n		300k	10	2.0kØ	3.0MØ	100 †	1.0	70	07	A370	MP⧄
14	SN521A	19 §	28m†	25u	4.0m		2.0u†§	8.0 Δ	30k	5.0	2.0kØ	30k	54		50	5C	A065	TO89
15	SN522A	19 §	72m†	25u	4.0m		2.0u†§	8.0 Δ	30k	5.0	2.0kØ	30k	54		50	5C	A066	TO89
16#	TAA862	20	30m		6.0m	300n	1.0u	16	200k†	18	2.0kØ		85	9.0 †	70	5C	A125	CN71
17#	TAA861	20	30m		10m§	300n§	1.0u§	16	200k†	18	2.0kØ		75	9.0 †	60	07	A125	CN71
18#	TAA861A	20	30m		10m§	300n§	1.0u§	16	200k†	18	2.0kØ		75	9.0 †	60	07	A125a	MP303
19#	TAA861W	20	30m		10m§	300n§	1.0u§	16	200k†	18	2.0kØ		75	9.0 †	60	07	A125b	FP55
20#	TAA865	20	30m		10m§	300n§	1.0u§	16	200k†	18	2.0kØ		75	9.0 †	60	28	A125	CN71
21#	TAA865A	20	30m		10m§	300n§	1.0u§	16	200k†	18	2.0kØ		75	9.0 †	60	28	A125a	MP303
22#	TAA865W	20	30m		10m§	300n§	1.0u§	16	200k†	18	2.0kØ		75	9.0 †	60	28	A125b	FP55
23#	SFC2861C	20	70m†	6.0u†	11m§	330n§	1.5u§	18 †	200k†	18	2.0kØ		90 †	3.0 †	80	07	A125a	CN44
24#	SFC2861DC	20	70m†	6.0u†	11m§	330n§	1.5u§	18 †	200k†	18	2.0kØ		90 †	3.0 †	80	07	A125a	MP279
25#	SFC2861DT	20	70m†	6.0u†	11m§	330n§	1.5u§	18 †	200k†	18	2.0kØ		90 †	3.0 †	80	28	A125a	MP279
26#	SFC2861M	20	70m†	6.0u	11m	330n	1.5u	18	200k†	18	2.0kØ		90 †	3.0 †	80	5C	A125a	CN44
27#	SFC2861PM	20	70m†	6.0u	11m	330n	1.5u	18	200k†	18	2.0kØ		90 †	3.0 †	80	5C	A125a	TO91
28#	SFC2861T	20	70m†	6.0u†	11m§	330n§	1.5u§	18 †	200k†	18	2.0kØ		90 †	3.0 †	80	28	A125a	CN44
29	1720	20	180m	10u	Δ	5.0p§	20p§	30 †	1.0T	20	40m	7.0M†§	140 †	20 †	92 †	28		MP162
30	CA3094E	24	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0k†	86	500 †	70	5C	A207	MP446
31	CA3094H	24	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ		86	500 †	70	5C	A207	CH⧄
32	CA3094S	24	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0k†	86	500 †	70	5C	A207	CN46
33	CA3094T	24	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0k†	86	500 †	70	5C	A207	Δ002AL
34	4009#1	24	60m	500u†	100m†		200n†	20 †	20k†	6.0 †	2.0kØ	30MØ†	53 †	10 †	60 †	5C	A040	CN14
35	PC212	24	90m†	15u	5.0m§	100n§	500n†§	20 †	60k	20 †	5.0kØ	1.0M†	60	200u†	65	5C	A028	FP7d
36	LH0005CH	24	108m		10m	25n	100n	24	500k	16	10kØ	30MØ	66		50	08	A005	CN8a
37	LH0005AH	24	108m	10u	4.0m	25n	125n	24	1.0M	10	100 Ø	30MØ	66		60	5C	A005	CN8a
38	LH0005H	24	108m	20u	10m	75n	250n	24	1.0M	10	100 Ø	30MØ	66		55	5C	A005	CN8a
39	NH0005-883	24	108m	20u†	10m	75n	250n		1.0M	16	10kØ		66		55	5C		CN36
40#	ZN402E	24	168m	5.0u†§	6.0m§	500n§	1.2u§	10	100k†	10	3.0m	10k†	74		80	6C	A188	MP14aa
41#	ZN402T	24	168m	5.0u†§	6.0m§	500n§	1.2u§	10	100k†	10	3.0m	10k†	74		80	6C	A189	CN1n
42#	ZN424E	24	168m	5.0m§	6.0m§	500n§	1.2u§	20	200k†	20	3.0m†	10k	80	12 †	70	07	A380	MP14aj
43#	ZN424P	24	168m	5.0m§	6.0m§	500n§	1.2u§	20	200k†	20	3.0m†	10k	80	12 †	70	07	A380	MP491b
44#	ZN424T	24	168m	5.0m§	6.0m§	500n§	1.2u§	20	200k†	20	3.0m†	10k	80	12 †	70	07	A380	CN1n
45	CA3015H	24	175m†		1.0m§	1.6u§	6.0u§	8.7 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A015	CH16b
46	CA3015L	24	175m†		1.0m§	1.6u§	6.0u§	8.7 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A015	CH17
47	CA3015A	24	175m†		2.0m§	1.6u§	6.0u§	8.6 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A051	CN18
48	CA3016A	24	175m†		2.0m§	1.6u§	6.0u§	8.6 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A051	FP10
49	CA3030A	24	175m†		2.0m§	1.6u§	6.0u§	8.6 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A051	TO116
50	CA3038A	24	175m†		2.0m§	1.6u§	6.0u§	8.6 §†	7.5k	14 †	19kØ	200k	66	7.0 †	80	5C	A051	MP3
51	CA3015	24	175m†		5.0m§	5.0u§	24u§	8.7 §†	5.0k	12	12kØ	200k	66		80	5C	A051	CN18
52	CA3016	24	175m†		5.0m§	5.0u§	24u§	8.7 §†	5.0k	12	12kØ	200k	66		80	5C	A051	FP10
53	CA3030	24	175m†		5.0m§	5.0u§	24u§	8.7 §†	5.0k	12	11kØ	200k	66		80	07	A051	TO116
54	CA3038	24	175m†		5.0m§	5.0u§	24u§	8.7 §†	5.0k	12	12kØ	200k	66		80	5C	A051	MP3
55	425#1	24	192m	20u†	20m†		500n†	20 †	20k†	6.0 †	50 Ø	2.0MØ†	73 †	5.0 †	80 †	28	A039	OCT
56	435#1	24	192m	20u†	20m†		500n†	20 †	20k†	16 †	50 Ø	2.0MØ†	73 †	5.0 †	80 †	28		CN⧄
57#	ZLD2T	24	240m	25u⧄	12m§	500n§	4.0u§	24 Δ	500k†	18	6.0m†	50k†	65 †		80 †	58	A080	TO78
58#	ZLD2U	24	240m	50u⧄	20m§	3.0u§	6.0u§	24 Δ	250k†	30	6.0m†	100k†	50 †		80 †	58	A080	TO78
59#	SL701B	24	300m	15u†§	5.0m§	300n§	1.0u§		100k†			250k	66		70	2A	A076	CN11e
60#	SL702B	24	300m	15u†§	5.0m§	300n§	1.0u§		100k†			250k	66		70	2A	A076	CN11e
61#	SL751BE	24	300m	15u†§	5.0m§	300n§	1.0u§		100k†			250k	66		70	2A	A076	MP319
62#	SL751BF	24	300m	15u†§	5.0m§	300n§	1.0u§		100k†			250k	66		70	2A	A076	FP39
63#	SL701C	24	300m	15u†§	20m§	1.8u§	3.0u§		100k†			250k	66		60	2A	A076	CN11e
64#	SL702C	24	300m	15u†§	20m§	1.8u§	3.0u§		100k†			250k	66		60	2A	A076	CN11e
65#	SL751CE	24	300m	15u†§	20m§	1.8u§	3.0u§		100k†			250k	66		60	2A	A076	MP319
66#	SL751CF	24	300m	15u†§	20m§	1.8u§	3.0u§		100k†			250k	66		60	2A	A076	FP39
67	433	24	480m*	500n	100m		200n	40	20k	24	8.0 Ø	25k	116	5.0	80	28		OCT⧄
68	434	24	480m*	500n	100m		200n	40	20k	32	8.0 Ø	50k	116	5.0	80	28		OCT⧄
69#	TAA762S	30			4.0m	50n	700n	28	200k	14	250m		92	9.0	87	5C	A125	TO78
70#	TBA222W	30			4.0m	700n	350n		300k	24			88	500m†	80	5C		
71#	TAA761AS	30			6.0m	80n	1.0u	28	200k	14	250m		90	9.0	85	07	A125	MP303
72#	TAA761S	30			6.0m	80n	1.0u	28	200k	14	250m		90	9.0	85	07	A125	TO78
73#	TAA765AS	30			6.0m	80n	1.0u	28	200k	14	250m		90	9.0	85	28	A125	MP303
74#	TAA765S	30			6.0m	80n	1.0u	28	200k	14	250m		90	9.0	85	28	A125	MP303
75#	TBA221W	30			7.5m	300n	800n	24	300k	24	10kØ		88	500m†	70	07	A042	FP42
76	AD504MH	30		500n	500u§	10n§	80n§	30	1.3M	20	10m	300k	120	120m†	110	07		TO99
77	AD504MN	30		500n	500u§	10n§	80n§	30	1.3M	20	10m	300k	120	120m†	110	07		MP236
78#	SFC2315DC	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	07	A195	MP279
79#	TBB2331	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	07		TO99
80#	TBB2331B	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	07		
81#	TBB4331A	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	07		
82#	TBC2332	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	5C		TO99
83#	TBE2335	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	27		TO99
84#	TBE2335B	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	07		
85#	TBE4335A	30		6.0u	10m	50n	1.0u		3.0M	24			90		84	27		
86	AD506LH	30		10u	1.0m§		5.0p§	20	100G	20	10m	100k	97	3.0	80	07		TO99
87	AD507SH	30		20u	4.0m§	15n§	15n§	20	65M	20	1.0m	100M	100	20	80	5C		TO99
88	uA307HC	30		30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A342	CN1d
89	uA307TC	30		30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A342	MP487
90	RC4132NB	30 ♦	1.1m	15u	4.0m	4.0n	20n	30	20M†	24	10kØ		94	130m†	80	07		MP401k
91	RM4132T	30 ♦	1.1m	15u	4.0m	4.0n	20n	30	20M†	24	10kØ		94	130m†	80	5C		TO99
92	SG1250M	30	1.2m	4.0u	4.0m	8.0n	15n	30	3.0M	22	10kØ		100	200m†	70	5C	A123	MP189a
93	SG1250T	30	1.2m	4.0u	4.0m	8.0n	15n	30	3.0m	22	10kØ	500kØ†	100	400m†	70	5C	A199	TO99
94	SG2250M	30	1.2m	4.0u	4.0m	8.0n	15n	30	3.0M	22	10kØ		100	200m†	70	07	A123	MP189a
95	SG2250T	30	1.2m	4.0u	4.0m	8.0n	15n	30	3.0m	22	10kØ	500kØ†	100	400m†	70	07	A199	TO99
96	SG3250M	30	1.2m	6.0u	7.5m	15n	30n	30	3.0M	22	10kØ		96	200m†	70	07	A123	MP189a
97	SG3250T	30	1.2m	6.0u	7.5m	15n	30n	30	3.0m	22	10kØ	500kØ†	96	400m†	70	5C	A199	TO99
98	RC4132T	30 ♦	1.3m†	20u	6.0m	7.5n	35n	30	10M†	24	10kØ		94	130m†	70			TO99
99	RM4132BL	30	1.8m	15u	3.0m§	2.0n§	10n	30	20M†	24	10kØ	300kØ†	94	130m†	80	5C		CH45
100	RM4132DE	30	1.8m	15u	3.0m§	2.0n§	10n	30	20M†	24	10kØ	300kØ†	94	130m†	80	5C		MP401j
101	RC4132BL	30	2.0m	20u	5.0m§	5.0n§	25n§	30	10M†	24	10kØ	300kØ†	94	130m†	70	07		CH45
102	RC4132DE	30	2.0m	20u	5.0m§	5.0n§	25n§	30	10M†	24	10kØ	300kØ†	94	130m†	70	07		MP401j
103	uPC153A†	30 ♦	2.4m		5.0m§	50n§	100n§	24	1.0M	20	40kØ		86		80	28	A364	Δ002AK
104	uPC253A†	30 ♦	2.4m		5.0m§	50n§	100n§	24	1.0M	20	2.0kØ		90		85 †	28	A366	Δ002AK
105	1323-01	30	2.4m	30u†	3.0m§	2.5n†§	20n§	20	50k†	24	20m	1.0MØ†	106	20 †	106 †	28		TO99
106	1323-02	30	2.4m	30u†	3.0m§	2.5n†§	20n§	20	50k†	24	20m	1.0MØ†	106	20 †	106 †	5C		TO99
107	1323	30	2.4m	30u†	5.0m§	2.5n†§	40n§	22	200k	24	20m	1.0MØ†	106	10	80	07		TO99
108	LM4250H	30	2.7m		6.0m	10n	50n	27		24	10kØ		94		70	07	A123b	CN1d
109	UC4250TY	30	2.7m		6.0mΔ	25n	50n	27		24	10kØ		100		70	5C	A174n	TO99
110	LM4250CH	30	3.0m		7.5m	25n	80n	27		24	10kØ		94		70	07	A123b	CN1d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				TEMP CODE	DRAWINGS	
				MAX VOLTAGE		MAX CURRENT												
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	3 DRFT (V/°C)	4 OFST (V)	OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1	LM4250CN	30	3.0m		7.5m	25n	80n	27		24	10kØ		94		70	5C	A123b	MP491
2	UC4250CTY	30	3.0m		7.5mΔ	25n	80n	27		24	10kØ		86		70	07	A174n	TO99
3	LH0001AD	30 ♦	3.2m†	3.0u	4.0m	100n	300n	40		20	2.0kØ		88		70	5C	A215	MP490
4	LH0001AF	30 ♦	3.2m†	3.0u	4.0m	100n	300n	40		20	2.0kØ		88		70	5C	A215	FP37
5	LH0001AH	30 ♦	3.2m†	3.0u	4.0m	100n	300n	40		20	2.0kØ		88		70	5C	A215	CN17g
6	LH0001ACD	30 ♦	3.2m†	3.0u	7.0m	100n	300n	40		20	2.0kØ		88		70	28	A215	MP490
7	LH0001ACF	30 ♦	3.2m†	3.0u	7.0m	100n	300n	40		20	2.0kØ		88		70	28	A215	FP37
8	LH0001ACH	30 ♦	3.2m†	3.0u	7.0m	100n	300n	40		20	2.0kØ		88		70	28	A215	CN17g
9	HA1-2700	30	4.5m		5.0m	30n	50n	22		24	2.0kØ	1.0M§†	112	10	86	5C	A173g	TO116
10	HA2-2700	30	4.5m		5.0m	30n	50n	22		24	2.0kØ	1.0M§†	112	10	86	5C	A174f	TO99
11	HA1-2704	30	4.5m		6.0m	30n	50n	22		24	2.0kØ	1.0M§†	112	10	86	28	A173g	TO116
12	HA2-2704	30	4.5m		6.0m	30n	50n	22		24	2.0kØ	1.0M§†	112	10	86	28	A174f	TO99
13	HA1-2705	30	4.5m		7.0m	40n	70n	22		24	2.0kØ	1.0M§†	106	10	80	07	A173g	TO116
14	HA2-2705	30	4.5m		7.0m	40n	70n	22		24	2.0kØ	1.0M§†	106	10	80	07	A174f	TO99
15	uA776DM	30	5.4m		6.0m	40n	120n	20	5.0M†	20	5.0kØ		100	800m†	70	5C	A187a	MP486b
16	uA776HM	30	5.4m		6.0m	40n	120n	20	5.0M†	20	5.0kØ		100	800m†	70	5C	A187	CN1d
17	uA776DC	30	5.7m		7.5m	40n	100n	20	5.0M†	20	5.0kØ		94	800m†	70	07	A187a	MP486b
18	uA776HC	30	5.7m		7.5m	40n	100n	20	5.0M†	20	5.0kØ		94	800m†	70	07	A187	CN1d
19	uA776TC	30	5.7m		7.5m	40n	100n	20	5.0M†	20	5.0kØ		94	800m†	70	07	A187	MP487
20	TL022MJG	30	6.0m		6.0m	100n	250n	24		20	10kØ	800kØ†	95	500m	60	5C	A360	MP401d
21	TL022ML	30	6.0m		6.0m	100n	250n	24		20	10kØ	800kØ†	95	500m	60	5C	A360a	CN1k
22♦	MC3476G†	30	6.0m		7.5m	25n§	50n§	20	5.0M†	24	10kØ		94	800m†	70	07	A293	TO99
23♦	MC3476P1†	30	6.0m		7.5m	25n§	50n§	20	5.0M†	24	10kØ		94	800m†	70	07	A293	MP161
24▼	MC3476U†	30	6.0m		7.5m	25n§	50n§	20	5.0M†	24	10kØ		94	800m†	70	07	A293	MP401a
25	TL061AMJG	30	6.0m	10u†	5.0m	20n	50n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	5C	A395	MP401d
26	TL061IJG	30	6.0m	10u†	9.0m	10n	20n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	28	A395	MP401d
27	TL061IP	30	6.0m	10u†	9.0m	10n	20n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	28	A395	MP267d
28	TL061MJG	30	6.0m	10u†	9.0m	20n	50n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	5C	A395	MP401d
29	AD039	30	6.0m	50u⧄	1.0mΔ§		50p§	24	10G	22	2.0m	200k§	97	200m	66	28	A053b	MP42f
30	HA2-2720#2†	30	6.3m†		5.0m	20n	40n	30 Δ	5.0M†	26	10m†		88	800m†	90	5C	A249	TO99
31	HA2-2725#2†	30	6.3m†		7.0m	20n	40n	30 Δ	5.0M†	26	10m†		88	800m†	90	07	A249	TO99
32	SN52L022JP*	30	6.6m		6.0m	100n	250n	24		20	10kØ	800kØ†		500m†	60 †	5C	A179	MP383
33	SN52L022L*	30	6.6m		6.0m	100n	250n	24		20	10kØ	800kØ†		500m†	60 †	5C	A179	TO99
34	SN72L022L*	30	7.5m		7.5m	200n	400n	24		20	10kØ	800kØ†		500m†	60 †	07	A179	TO99
35	SN72L022P*	30	7.5m		7.5m	200n	400n	24		20	10kØ	800kØ†		500m†	60 †	07	A179	MP267
36	TL022CJG	30	7.5m		7.5m	200n	400n	24		20	10kØ	800kØ†	95	500m	60	07	A360	MP401d
37	TL022CL	30	7.5m		7.5m	200n	400n	24		20	10kØ	800kØ†	95	500m	60	07	A360a	CN1k
38	TL022CP	30	7.5m		7.5m	200n	400n	24		20	10kØ	800kØ†	95	500m	60	07	A360	MP267d
39	TL061BCJG	30	7.5m	10u†	5.0m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395	MP401d
40	TL061BCP	30	7.5m	10u†	5.0m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395	MP267d
41	TL061ACJG	30	7.5m	10u†	7.5m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395	MP401d
42	TL061ACP	30	7.5m	10u†	7.5m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395	MP267d
43	TL061CJG	30	7.5m	10u†	20m	5.0n	10n	20	1.0T†	20	10kØ	1.0MØ	69	3.5 †	70	07	A395	MP401d
44	TL061CP	30	7.5m	10u†	20m	5.0n	10n	20	1.0T†	20	10kØ	1.0MØ	69	3.5 †	70	07	A395	MP267d
45	AMLM308	30	9.0m†	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A157	TO99
46	AMLM308D	30	9.0m†	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A157	MP14ad
47	SG308J	30	9.0m†	30u	10m	15n	10n	27	10M	26	10kØ	300kØ†	88	100m†	80	07	A098	TO116
48	SG308M	30	9.0m†	30u	10m	15n	10n	27	10M	26	10kØ	300kØ†	88	100m†	80	07	A098	MP189a
49	SG308T	30	9.0m†	30u	10m	15n	10n	27	10M	26	10kØ	300kØ†	88	100m†	80	07	A098	TO99
50	SG3118J	30	9.0m†	30u	10m	1.5n	10n	27	10M	26	10kØ	300kØ†	83	100m†	80	07	A098	TO116
51	SG3118M	30	9.0m†	30u	10m	1.5n	10n	27	10M	26	10kØ	300kØ†	83	100m†	80	07	A098	MP189a
52	SG3118T	30	9.0m†	30u	10m	1.5n	10n	27	10M	26	10kØ	300kØ†	83	100m†	80	07	A098	TO99
53	LM148J	30	10m		6.0m	75n	325n	24	800k	24	15m†	1.0M†	92	500m†	70	5C		TO116
54▼	HA1-2730*†	30	12m		5.0m	20n	40n		5.0M†	27 †	10m†	10M§	100 †	800m†	90 †	5C	A249a	MP447
55	SN52L044JA*	30	12m		6.0m	100n	250n	24		20	10kØ	800kØ†		500m†	60 †	5C	A252	MP382
56	TL044MJ	30	12m		6.0m	100n	250n	24		20	10kØ	800kØ†	97	500m	60	5C	A252	
57▼	HA1-2735*†	30	12m		7.0m	20n	40n		5.0M†	27 †	10m†	10M§	100 †	800m†	90 †	07	A249a	MP447
58	LH0036G	30	12m	10u	2.0m	80n	150n	20	300M†	20	10kØ	350kØ†		300m	60 †	5C	A329	CN18c
59	TL062AMJG*	30	12m	10u†	5.0m	20n	50n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	5C	A395a	MP401d
60	TL062IJG*	30	12m	10u†	9.0m	10n	20n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	28	A395a	MP401d
61	TL062IP*	30	12m	10u†	9.0m	10n	20n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	28	A395a	MP267d
62	TL062MJG*	30	12m	10u†	9.0m	20n	50n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	5C	A395a	MP401d
63	LM248N	30	13m		7.5m	125n	500u	24	800k	24	15m†	1.0M†	88	500m†	70	28		MP39n
64	OP08FJ	30	13m	3.5u	450u	600p	5.2n	27	13M	20	2.0kØ	800kØ†	90	120m†	102	07	A174j	TO99
65	SN72L044JA*	30	15m		7.5m	200n	400n	24		20	10kØ	800kØ†		500m†	60 †	07	A252	MP382
66	SN72L044N*	30	15m		7.5m	200n	400n	24		20	10kØ	800kØ†		500m†	60 †	07	A252	MP252c
67	TL044CJ	30	15m		7.5m	200n	400n	24		20	10kØ	800kØ†	95	500m	60	07	A252	
68	TL044CN	30	15m		7.5m	200n	400n	24		20	10kØ	800kØ†	95	500m	60	07	A252	
69	TL062BCJG*	30	15m	10u†	5.0m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395a	MP401d
70	TL062BCP*	30	15m	10u†	5.0m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	69	3.5 †	70	07	A395a	MP267d
71	TL062ACJG*	30	15m	10u†	7.5m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395a	MP401d
72	TL062ACP*	30	15m	10u†	7.5m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395a	MP267d
73	TL062CJG*	30	15m	10u†	20m	5.0n	10n	20	1.0T†	20	10kØ	1.0MØ	69	3.5 †	70	07	A395a	MP401d
74	TL062CP*	30	15m	10u†	20m	5.0n	10n	20	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395a	MP267d
75	OP08EJ	30	18m	2.5u	260u	300p	2.6n	27	26M	20	2.0kØ	800kØ†	94	120m†	104	07	A174j	TO99
76	OP12EJ	30	18m	2.5u	260u	300p	2.6n	27	26M	20	2.0kØ	800kØ†	94	120m†	104	07	A174c	TO99
77	OP08AJ	30	18m	2.5u	350u	400p	3.0n	27	26M	20	2.0kØ	800kØ†	94	120m†	104	5C	A174j	TO99
78	OP12AJ	30	18m	2.5u	350u	400p	3.0n	27	26M	20	2.0kØ	800kØ†	94	120m†	104	5C	A174c	TO99
79	OP12FJ	30	18m	3.5u	450u	600p	5.2n	27	13M	20	2.0kØ	800kØ†	90	120m†	102	07	A174c	TO99
80	OP08BJ	30	18m	3.5u	600u	400p	3.0n	27	26M	20	2.0kØ	800kØ†	94	120m†	104	5C	A174j	TO99
81	OP12BJ	30	18m	3.5u	600u	400p	3.0n	27	26M	20	2.0kØ	800kØ†	94	120m†	104	5C	A174c	TO99
82	AD108AH	30	18m	5u	500u	200p	2.0n	28		26						5C		TO99
83	AD208AH	30	18m	5u	500u	200p	2.0n	28		26						28		TO99
84	SG108AJ	30	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	92	100m†	96	5C	A098	TO116
85	SG108AT	30	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	92	100m†	96	5C	A098	TO99
86	SG208AJ	30	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	92	100m†	96	28	A098	TO116
87	SG208AM	30	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	92	100m†	96	28	A098	MP189a
88	SG208AT	30	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	92	100m†	96	28	A098	TO99
89	LH0036CG	30	18m	10u	3.0m	100n	200n	20	300M†	20	10kØ	350kØ†		300m	68 †	28	A329	CN18c
90	AD108H	30	18m	15u	3.0m	400p	3.0n	28	30M	26			94		85	5C	A146	TO99
91	AD208H	30	18m	15u	3.0m	400p	3.0n	28	30M	26			94		85	28	A146	TO99
92	LH2108D	30	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A221	MP230b
93	LH2108F	30	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A221	FP28a
94	LH2208D	30	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A221	MP230b
95	LH2208F	30	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A221	FP28a
96	AM1660HC	30	22m	30u	10m	4.0n	25n	27	4.0M	26	10kØ		88	100m	80	07	A157	TO99
97	SG1660J	30	22m	30u	10m	4.0n	25n	30	4.0M	26	10kØ	300kØ†	87	100m†	80	07	A334a	TO116
98	SG1660M	30	22m	30u	10m	4.0n	25n	30	4.0M	26	10kØ	300kØ†	87	100m†	80	07		MP189a
99	SG1660T	30	22m	30u	10m	4.0n	25n	30	4.0M	26	10kØ	300kØ†	87	100m†	80	07	A334	TO99
100	SG1760J	30	22m	30u	10m	4.0n	25n	30	4.0M	26	10kØ	300kØ†	87	100m†	80	07	A334a	TO116
101	SG1760M	30	22m	30u	10m	4.0n	25n	30	4.0M	26	10kØ	300kØ†	87	100m†	80	07		MP189a
102	SG1760T	30	22m	30u	10m	4.0n	25n	30	4.0M	26	10kØ	300kØ†	87	100m†	80	07	A334	TO99
103	AD308AH	30	24m	5u	500u	1.0n	7.0n	28		26						07		TO99
104	AMLM308A	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A157	TO99
105	AMLM308AD	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A157	MP14ad
106	LH2308AD	30	24m	5.0u	730u	1.5u	10n	28	10M	26	10kØ		98		96	07	A221	MP230b
107	LM308AD	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A098	MP490
108	LM308ADE	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A098	MP401j
109	LM308AF	40 ♦	24m	5.0u	750u	1.5n	10n	28	10M	26	10kØ		98		96	07	A420	MP319k
110	LM308AH	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A098	CN1d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C / E O / M D / P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	LM308AJ	30 ♦	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A098	TO116
2	MLM308AF	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A368	TO91
3	MLM308AG	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A368	TO99
4	MLM308AL	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A368	MP139a
5	MLM308AU	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A368	MP401a
6	PM308AJ	30	24m	5.0u	730u	1.5n	10n	28	10M	26	10kØ				96	6F	A098	TO99
7	SG308AJ	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ	300kØ†	98	100m†	96	07	A098	TO116
8	SG308AM	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ	300kØ†	98	100m†	96	07	A098	MP189a
9	SG308AT	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ	300kØ†	98	100m†	96	07	A098	TO99
10	uA308AD	30	24m	5.0u	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A343	MP486b
11	SG1118AJ	30	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	98	100m†	96	5C	A098	TO116
12	SG1118AT	30	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	98	100m†	96	5c	A098	TO99
13	SG2118AJ	30	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	98	100m†	96	28	A098	TO116
14	SG2118AM	30	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	98	100m†	96	28	A098	MP189a
15	SG2118AT	30	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	98	100m†	96	28	A098	TO99
16	SG3118AT	30	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	98	100m†	96	07	A098	TO99
17	SG3118AJ	30	24m	5.0u	10m	1.5n	10n	27	30M	26	10kØ	300kØ†	98	100m†	96	07	A098	TO116
18	SG3118AM	30	24m	5.0u	10m	1.5n	10n	27	30M	26	10kØ	300kØ†	98	100m†	96	07	A098	MP189a
19	uPC156A	30	24m	6.0u†	7.5m§	1.0n§	7.0n§		10M	26	10kØ		88		80	28	A098	Δ002AK
20	OP08GJ	30	24m	10u	1.4m	700p	6.5n	27	10M	20	2.0kØ	800kØ†	100 †	120m†	84	07	A174j	TO99
21	OP12GJ	30	24m	10u	1.4m	700p	6.5n	27	10M	20	2.0kØ	800kØ†	100 †	120m†	84	07	A174c	TO99
22	OP12CJ	30	24m	10u	2.0m	1.0n	10n	26	10M	20	2.0kØ	800kØ†	100 †	120m†	84	5C	A174c	TO99
23	OP08CJ	30	24m	10u	2.5m	1.0n	10n	26	10M	20	2.0kØ	800kØ†	100 †	120m†	84	5C	A174j	TO99
24	TL064AMJ*	30	24m	10u†	5.0m	20n	50n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	5C	A395b	MP139b
25	TL064IJ*	30	24m	10u†	9.0m	10n	20n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	28	A395b	MP139b
26	TL064IN*	30	24m	10u†	9.0m	10n	20n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	28	A395b	Δ001AA
27	TL064MJ*	30	24m	10u†	9.0m	20n	50n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	5C	A395b	MP139b
28	SG108J	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	5C	A098	TO116
29	SG108T	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	5C	A098	TO99
30	SG208J	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	28	A098	TO116
31	SG208M	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	28	A098	MP189a
32	SG208T	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	28	A098	TO99
33	SG1118J	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	5C	A098	TO116
34	SG1118T	30	24m	15u	3.0m	400p	3.0n	28	30M	26	10kØ	300kØ†	94	100m†	85	5c	A098	TO99
35	SG2118J	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	28	A098	TO116
36	SG2118M	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	28	A098	MP189a
37	SG2118T	30	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	300kØ†	94	100m†	85	28	A098	TO99
38	AD308H	30	24m	30u	10m	1.5n	10n	28	10M	26			88		80	07	A146	TO99
39	AMLM312	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A244	TO99
40	AMLM312D	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A244	MP14ad
41	ICL308LNTY	30	24m	30u	10m	1.5n	10n	27		26	10kØ	300k†Ø	83	300m†	80	07		TO99
42	LH2308D	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A221	MP230b
43	LH2308F	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A221	FP28a
44	LM308D	30	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A098	MP490
45	LM308DE	30	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A098	MP401j
46	LM308F	30	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A098	FP37
47	LM308H	30	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A098	CN1d
48	LM308J	30 ♦	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A098	TO116
49	LM308N	30	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A098	MP491
50	LM312D	30	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A206	MP490
51	LM312H	30	24m	30u	10m	1.5n	10n	28	10M	26	10kØ		87		80	07	A206	CN1d
52	MLM308F	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A368	TO91
53	MLM308G	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A368	TO99
54	MLM308L	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A368	MP139a
55	MLM308P1	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A368	MP161
56	MLM308U	30	24m	30u	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A368	MP401a
57	PM308J	30	24m	30u	10m	1.5n	10n	28	40M	26	10kØ				80	6F	A098	TO99
58	uA308AH	30	24m	5.0	730u	1.5n	10n	27	10M	26	10kØ		98		96	07	A343	CN1d
59	uA308D	30	24m	30	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A343	MP486b
60	uA308H	30	24m	30	10m	1.5n	10n	27	10M	26	10kØ		88		80	07	A343	CN1d
61	TL064BCJ*	30	30m	10u†	5.0m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395b	MP139b
62	TL064BCN*	30	30m	10u†	5.0m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395B	Δ001AA
63	TL064ACJ*	30	30m	10u†	7.5m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395b	MP139b
64	TL064ACN*	30	30m	10u†	7.5m	3.0n	7.0n	24	1.0T†	20	10kØ	1.0MØ	72	3.5 †	80	07	A395b	Δ001AA
65	TL064CJ*	30	30m	10u†	20m	5.0n	10n	20	1.0T†	20	10kØ	1.0MØ	69	3.5 †	70	07	A395b	MP139b
66	TL064CN*	30	30m	10u†	20m	5.0n	10n	20	1.0T†	20	10kØ	1.0MØ	69	3.5 †	70	07	A395b	Δ001AA
67	1617	30	30m†	15u	Δ	2.0n†	3.0n	20 †	1.0M†	20	6.0m	500kØ	90	500m	80	28		MP5y
68	42K	30	30m	25u	2.0m§Δ		250f§	30	10T†	20	10m	1.0M†Ø	120	250m	66	28		MP5c
69	uPC250A	30	30m	50u	50m		10p	25 §	10M	20	2.0kØ				70	27	A374	CN1u
70	42J	30	30m	75u	2.0m§Δ		500f§	30	10T†	20	10m	1.0M†Ø	120	250m	66	28		MP5c
71	42L	30	30m	75u	2.0m§Δ		150f§	30	10T†	20	10m	1.0M†Ø	120	250m	66	28		MP5c
72	CA3080	30	36m		5.0m	600n§	7.0u	24	10k	24	350u	2.0M†		50 †	80	07	Z124	Δ002AL
73	CA3080A	30	36m		5.0m	600n§	8.0u	24	10k	24	350u	2.0M†		50 †	80	5C	Z124	Δ002AL
74	CA3080AS	30	36m		5.0m	600n§	8.0u	24	10k	24	350u	2.0M†		50 †	80	5C	Z124	
75	CA3080E	30	36m		5.0m	600n§	7.0u	24	10k	24	350u	2.0M†		50 †	80	07	Z124	MP446
76	CA3080H	30	36m		5.0m	600n§	7.0u	24	10k	24	350u	2.0M†		50 †	80	5C	Z124	CH16t
77	CA3080S	30	36m		5.0m	600n§	7.0u	24	10k	24	350u	2.0M†		50 †	80	5C	Z124	
78	RC4131NB	30 ♦	40m	15u	3.0m	20n	100n	30	3.5M†	24	10kØ		94	1.5	80	07	A092	MP401k
79	RM4131Q	30 ♦	40m	15u	3.0m	20n	100n	30	3.5M†	24	10kØ		94	1.5	80	5C	A092	FP2k
80	RM4131T	30 ♦	40m	15u	3.0m	20n	100n	30	3.5M†	24	10kØ		94	1.5	80	5C	A092	TO99
81▼	MC1556F	30	45m		6.0m	2.0n§	30n	24	250M$†	24	2.0kØ	1.0MØ†	100	2.5 †	80	5C	A139	MP319k
82	MC1556G	30	45m		6.0m	2.0n§	30n	24	5.0M†	24	2.0kØ	1.0M†Ø	100	2.5 †	80	5C	A100	CN1k
83	MC1556L	30	45m		6.0m	2.0n§	30n	24	5.0M†	24	2.0kØ	1.0MØ†	100	2.5 †	80	5C	A100	TO116
84▼	MC1556N	30	45m		6.0m	2.0n§	30n	24	250M$†	24	2.0kØ	1.0MØ†	100	2.5 †	80	5C	A139	MP549a
85♦	MC1556T	30	45m		6.0m	2.0n§	30n	24	250M$†	24	2.0kØ	1.0M†Ø	100	2.5 †	80	5C	A139	CN1g
86	SG1556T	30	45m		6.0m	2.0n§	30n	24	5.0M†	24	2.0kØ	1.8MØ†	100	3.0 †	80	5C	A100	TO99
87#	TAA2761	30	45m	6.0u§†	6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		80		65	07	A402	CN1w
88#	TAA2761A	30	45m	6.0u§†	6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		80		65	07	A402a	MP189b
89#	TAA2762	30	45m	6.0u§†	6.0m	300n	1.0u	27 †	200k†	28	2.0kØ		85		70	5C	A402	CN1w
90#	TAA2765	30	45m	6.0u§†	6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		80		65	28	A402	CN1w
91#	TAA2765A	30	45m	6.0u§†	6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		80		65	28	A402a	MP189b
92	AM460-2	30	45m	10u	5.0m§	25n§	25n§	22	300M	20	10m	12M§	104	7.0	100	07		TO99
93	AD515K	30	45m	15u	1.0m§		150f	20	10T	20	2.0kØ	350kØ	92	300m	80	07	A174b	TO99
94	RM1556AT	30	45m	15u	6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	4.0M†Ø	106 †	2.0	80	5C	A100	TO99
95	RM1556T	30	45m	15u	6.0m	5.0n	30n	24	5.0M†	24	2.0kØ	4.0M†Ø	106 †	2.0	80	5C	A100	TO99
96	AD515L	30	45m	25u	1.0m§		75f	20	10T	20	2.0kØ	350kØ	88	300m	70	07	A174b	TO99
97	AMLM301A	30	45m	30u	10m	70n	300n	27 §	500k	24	10kØ		88	200m	70	07	A155	TO99
98	AMLM301AD	30	45m	30u	10m	70n	300n	27 §	500k	24	10kØ		88	200m	70	07	A155	MP14ad
99	AD515J	30	45m	50u	3.0m§		300f	20	10T	20	2.0kØ	350kØ	86	300m	66	07	A174b	TO99
100	RC4131T	30 ♦	57m†	20u	6.0m	30n	200n	30	3.0M†	24	10kØ		94	2.0 †	70	07	A092	TO99
101♦	LM146J†*	30	60m		5.0m§	10n§	100n§	27	1.0M†	24	10kØ	1.0M§	85	400m	70	5C	A398	MP178a
102#	M5141T	30	60m†		5.0m§	200n§	500n§		300k	20			94		70	27	A117	TO78
103#	M51802L	30	60m†		5.0m§	200n§	500n§			20			94		70	17	A313	MP535
104#	M51802P	30	60m†		5.0m§	200n§	500n§			20			94		70	17	A313	MP522
105	XR146†*	30	60m		5.0m	2.0n	100n	26	1.0M†	24	10kØ	1.0M§†	94	400m	70	58	A398	MP343a
106♦	LM246J†*	30	60m		6.0m§	100n§	500n§	27	1.0M†	24	10kØ	1.0M§	85	400m	70	28	A398	MP178a
107♦	LM346J†*	30	60m		6.0m§	100n§	500n§	27	1.0M†	24	10kØ	1.0M§	85	400m	70	07	A398	MP178a
108	LM747D883	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	MP⍁
109	LM747D*	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	MP490
110	LM747F	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	FP29a

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	LM747H883	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	TO99
2	LM747H*	30	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A042n	CN17j
3	XR246†*	30	60m		6.0m	100n	500n	26	1.0M†	24	10kØ	1.0M§†	88	400m	70	28	A398	MP343a
4	XR346†*	30	60m		6.0m	100n	500n	26	1.0M†	24	10kØ	1.0M§†	88	400m	70	08	A398	MP343a
5	SN52770L	30	60m		7.0m	5.0n	35n	24	100M†	24	2.0kØ	1.3M†Ø	94	2.5 †	80	5C	A184	TO99
6	SN52771L	30	60m		7.0m	5.0n	35n	24	100M†	24	2.0kØ	1.3M†Ø	94	2.5 †	80	5c	A185	TO99
7	119K	30	60m	5.0u	Δ	3.0n	35n	20	1.0M	20	40m	1.5MØ	114	6.0	86	16		MP5ab
8	OP01HJ	30	60m	8.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5M†Ø	94	18 †	90	07	A174	TO99
9	OP01HY	30	60m	8.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5M†Ø	94	18 †	90	07	A173	MP14ak
10	OP01J	30	60m	8.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5M†Ø	94	18 †	90	5C	A174	TO99
11	OP01L	30	60m	8.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5M†Ø	94	18 †	90	5C	A172	FP2y
12	OP01Y	30	60m	8.0u	1.0m	4.0n	50n	24		25	5.0kØ	2.5M†Ø	94	18 †	90	5C	A173	MP14ak
13	OP02AJ	30	60m	8.0u	1.0m	5.0n	55n	24	3.8M	24	2.0kØ	800kØ	100	250m	90	5C	A369c	TO99
14	OP02AY	30	60m	8.0u	1.0m	5.0n	55n	24	3.8M	24	2.0kØ	800kØ	100	250m	90	5C	A369d	MP14ak
15	OP02EJ	30	60m	8.0u	1.0m	4.0n	50n	24	3.8M	24	2.0kØ	800kØ	100	250m	90	07	A369c	TO99
16	OP02EY	30	60m	8.0u	1.0m	4.0n	50n	24	3.8M	24	2.0kØ	800kØ	100	250m	90	07	A369d	MP14ak
17	OP04AK*	30	60m	8.0u	1.5m	5.0n	75n	24		24	2.0kØ	4.0k	100	500m	94	5C	A369	TO100
18	OP04AY*	30	60m	8.0u	1.5m	5.0n	75n	24		24	2.0kØ	4.0k	100	500m	94	5C	A369a	MP14ak
19	OP04EK*	30	60m	8.0u	1.5m	4.0n	75n	24		24	2.0kØ	4.0k	100	500m	94	07	A369	TO100
20	OP04EY*	30	60m	8.0u	1.5m	4.0n	75n	24		24	2.0kØ	4.0k	100	500m	94	07	A369a	MP14ak
21	OP14AJ*	30	60m	8.0u	1.5m	5.0n	100n	24	3.8M	24	2.0kØ	4.0k	100	700m†	90	5C	A369b	TO99
22	OP14EJ*	30	60m	8.0u	1.5m	4.0n	100n	24	3.8M	24	2.0kØ	4.0k	100	700m†	90	07	A369b	TO99
23	AD045	30	60m	10u†	Δ§	10n†§	100n§	20	200k	20	10m	1.5M§	100 †	1.1	80 †	28	A053	MP42e
24	119A	30	60m	20u	Δ	3.0n	35n	20	1.0M	20	40m	1.5MØ	114	6.0	86	28		MP5ab
25	AD044	30	60m	20u†	Δ§	10n†§	100n§	10	200k	20	2.0m	450k§	80 †	200m	74 †	28	A053	MP42e
26	AM450-2	30	60m	20u	8.0m§	50n§	250n§	20	50M	20	10m	12M§	88	30	90	07		TO99
27	RC1556NB	30	60m	20u	14m	14n	40n	22	3.0M†	22	2.0kØ	4.0MØ	100 †	2.0	70	07	A100	MP401k
28	RC1556T	30	60m	20u	14m	14n	40n	22	3.0M†	22	2.0kØ	4.0M†Ø	100 †	2.0	70	07	A100	TO99
29	MC3558G	30	66m		6.0m	200n	1.5u	28	300k	24	10kØ	9.0k†☒	94	600m†	70	5C	A292a	TO99
30	MC3558U	30	66m		6.0m	200n	1.5u	28	300k	24	10kØ	9.0k†☒	94	600m†	70	5C	A292a	MP401a
31	LM747CD*	30	68m		7.5m	300n	800n	24	300k	24	10kØ		94		70	07	A042n	MP490
32	LM747CH*	30	68m		7.5m	300n	800n	24	300k	24	10kØ		94		70	07	A042n	CN17j
33	LM747CN*	30	68m		7.5m	300n	800n	24	300k	24	10kØ		94		70	07	A042n	MP39n
34	HA2-909	30	75m		6.0mΔ	300n	750n	24	200k	24	40m	7.0MØ†	87	3.5	80	5C	A226	TO99
35	HA9-909	30	75m		6.0mΔ	300n	750n	24	200k	24	40m	7.0MØ†	87	3.5	80	5C	A226	TO86
36#	TAA761	30	75m		6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		81	9.0 †	65	07	A125	CN71
37#	TAA761A	30	75m		6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		81	9.0 †	65	07	A125a	MP303
38#	TAA761W	30	75m		6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		81	9.0 †	65	07	A125b	FP55
39#	TAA762	30	75m		6.0m	300n	1.0u	27 †	200k†	28	2.0kØ		85	9.0 †	70	5C	A125	CN71
40#	TAA765	30	75m		6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		81	9.0 †	65	28	A125	CN71
41#	TAA765A	30	75m		6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		81	9.0 †	65	28	A125a	MP303
42#	TAA765W	30	75m		6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		81	9.0 †	65	28	A125b	FP55
43	HA2-911	30	75m		7.5mΔ	450n	750n	24	100k	22	30m	7.0MØ†	86	5.0 †	74	07	A226	TO99
44	A221	30	75m	50n	10u§		20p	1.0	1.0G	20	10m	100	160	200u	140	28		MP670
45	3510CM	30	75m	500n	60u§		15n§	24	1.0M†	20	20m	400kØ†	120	500m	110	28	A391	CN1c
46	3510BM	30	75m	1.0u	120u§		25n§	24	1.0M†	20	20m	400kØ†	120	500m	110	28	A391	CN1c
47	3510SM	30	75m	1.0u	120u§		25n§	24	1.0M†	20	20m	400kØ†	120	500m	110	5C	A391	CN1c
48#	SFC2709A	30	75m	1.8u§†	.60m§†	10n§†	.10u§†		700k†	28 †			93 †		110 †	5C	A003	TO99
49	3510AM	30	75m	2.0u	150u§		35n§	24	1.0M†	20	20m	400kØ†	120	500m	110	28	A391	CN1c
50#	SFC2709AE	30	75m	3.0u§†	1.0m§†	50n§†	200n§†		400k†	28 †			93 †	250m†	90 †	07	A003	TO116
51	LH0052D	30	75m	5.0u	700u	100p	500p	24	1.0T†	20	20m	1.0M†Ø	100	1.5	80	5C	A223	MP490
52	LH0052H883	30	75m	5.0u	700u	100p	500p	24	1.0T†	20	20m	1.0M†Ø	100	1.5	80	5C	A223	CN17g
53	LH0052H	30	75m	5.0u	700u	100p	500p	24	1.0T†	20	20m	1.0M†Ø	100	1.5	80	5C	A223	CN17g
54#	TCA321	30	75m	6.0u	7.5m§	300n§	1.0u§	26	200k	28	2.0kØ		75		60	07	A407	CN71
55#	TCA321A	30	75m	6.0u	7.5m§	300n§	1.0u§	26	200k	28	2.0kØ		75		60	07	A407a	MP303
56#	TCA321W	30	75m	6.0u	7.5m§	300n§	1.0u§	26	200k	28	2.0kØ		75		60	07	A407b	FP55
57#	TCA322	30	75m	6.0u	7.5m	300n	1.0u	26	200k	28	2.0kØ		80		65	5C	A407	CN71
58#	TCA325	30	75m	6.0u	7.5m§	300n§	1.0u§	26	200k	28	2.0kØ		75		60	27	A407	CN71
59#	TCA325A	30	75m	6.0u	7.5m§	300n§	1.0u§	26	200k	28	2.0kØ		75	9.0	60	07	A407a	MP303
60#	TCA325W	30	75m	6.0u	7.5m§	300n§	1.0u§	26	200k	28	2.0kØ		75		60	27	A407b	FP55
61#	TCA311	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75		60	07	A406	CN71
62#	TCA311A	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75		60	07	A406a	MP303
63#	TCA311W	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75		60	07	A406b	FP55
64#	TCA312	30	75m	6.0u	20m	40n	80n	26	3.0M	28	2.0kØ		80		65	5C	A406	CN71
65#	TCA315	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75		60	27	A406	CN71
66#	TCA315A	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75		60	07	A406a	MP303
67#	TCA315W	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75		60	27	A406b	FP55
68#	TCA331	30	75m	6.0u	20m§	25m§	50n§	26	3.0M	28	2.0kØ		75		60	07	A408	CN71
69#	TCA331A	30	75m	6.0u	20m§	25m§	50n§	26	3.0M	28	2.0kØ		75		60	07	A408a	MP303
70#	TCA331W	30	75m	6.0u	20m§	25m§	50n§	26	3.0M	28	2.0kØ		75		60	07	A408b	FP55
71#	TCA332	30	75m	6.0u	20m	40n	80n	26	3.0M	28	2.0kØ		80		65	5C	A408	CN71
72#	TCA335	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75		60	27	A408	CN71
73#	TCA335A	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75	9.0	60	07	A408a	MP303
74#	TCA335W	30	75m	6.0u	20m§	25n§	50n§	26	3.0M	28	2.0kØ		75		60	27	A408b	FP55
75	LH0022D	30	75m	10u	5.0m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	100	1.5	80	5C	A223	MP490
76	LH0022F	30	75m	10u	5.0m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	100	1.5	80	5C	A223	FP37
77	LH0022H	30	75m	10u	5.0m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	100	1.5	80	5C	A223	CN17g
78	TL071AMJG	30	75m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396	MP401d
79	TL071AML	30	75m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396a	CN1k
80	TL071BCJG	30	75m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396	MP401d
81	TL071BCL	30	75m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396a	CN1k
82	TL071BCP	30	75m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396	MP267d
83	TL071ACJG	30	75m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396	MP401d
84	TL071ACL	30	75m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396a	CN1k
85	TL071ACP	30	75m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396	MP267d
86	TL071IJG	30	75m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396	MP401d
87	TL071IL	30	75m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396a	CN1k
88	TL071IP	30	75m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396	MP267d
89	TL071MJG	30	75m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396	MP401d
90	TL071ML	30	75m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396a	CN1k
91	TL071CJG	30	75m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396	MP401d
92	TL071CL	30	75m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396a	CN1k
93	TL071CP	30	75m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396	MP267d
94	3527CM	30 ♦	78m	2.0u☒	250u§		5.0p§	24	1.0T†	20	20m	1.0MØ†	100	600m	76 †	5C	A174p	CN1c
95	3527BM	30 ♦	78m	5.0u☒	250u§		2.0p§	24	1.0T†	20	20m	1.0MØ†	100	600m	76 †	5C	A174p	CN1c
96	3527AM	30 ♦	78m	10u☒	500u§		5.0p§	24	1.0T†	20	20m	1.0MØ†	100	600m	76 †	5C	A174p	CN1c
97	LM201A	30	80m		2.0m†§	100n†§	300n†§		250k†	28 †			93 †		90 †	07	A003	TO99
98#	SFC2709C	30	80m		2.0m§†	.10u§†	.30u§†		250k†	28 †			93 †		90 †	07	A003	TO99
99#	SFC2709M	30	80m	3.0u§†	1.0m§†	50n§†	.20u§†		400k†	28 †			93 †		90 †	5C	A003	TO99
100	CA6741S	30	84m		5.0m§	200n§	500n§	24		24	10kØ		94		70	5C	A181	
101	CA6741T	30	84m		5.0m§	200n§	500n§	24		24	10kØ		94		70	5C	A181	Δ002AL
102	CA741HG	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A181	CH☒
103	CA747HG*	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A181b	CH☒
104	ICL741MHSDD	30	84m		6.0m	500n	1.5u	24	300k	20	10m			700m	70	5C	A173	MP☒
105	ICL741MHSFD	30	84m		6.0m	500n	1.5u	24	300k	20	10m			700m	70	5C	A172	FP☒
106	ICL741MHSTY	30	84m		6.0m	500n	1.5u	24	300k	20	10m			700m	70	5C	A174	TO99
107	LM741D	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A236	MP493b
108	LM741F	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A236	FP37
109	LM741H883	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A014	TO99
110	LM741H	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A236	CN1d

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				INPUT CHARACTERISTICS MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS	
		[1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	MAX VOLTAGE [3] DRFT (V/°C)	MAX VOLTAGE [4] OFST (V)	MAX CURRENT OFFSET (A)	MAX CURRENT BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1	LM741J14	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A236	MP319b
2	PM741J	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A315	TO99
3	PM741Y	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A315	MP14ak
4#	SFC2741EM	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A042k	TO116
5#	SFC2741M	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A042k	TO99
6#	SFC2741PM	30	84m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A042k	TO91
7	SG741J	30	84m		6.0m	500n	1.5u	30 Δ	300k	24	10kØ	800kØ†	94	500m†	70	5C	A042	TO116
8	SG741T	30	84m		6.0m	500n	1.5u	30 Δ	300k	24	10kØ	800kØ†	94	500m†	70	5C	A042	TO99
9	SG747J	30	84m		6.0m	500n	1.5u	30 Δ	300k	24	10kØ	800kØ†	94	500m†	70	5C	A042a	TO116
10	SG747T	30	84m		6.0m	500n	1.5u	30 Δ	300k	24	10kØ	800kØ†	94	500m†	70	5C	A042a	TO100
11	SG748J	30	84m		6.0m	200n§	500n§	30 †	300k	24	10kØ	600kØ†	94	500m†	70	5C	A112b	TO116
12	SG748T	30	84m		6.0m	200n§	500n§	30 †	300k	24	10kØ	600kØ†	94	500m†	70	5C	A112	TO99
13	CA741CHG	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A181	CH☒
14	CA747CHG*	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A181b	CH☒
15	ICL741CHSPA	30	84m		7.5m	300n	800n	24	300k	20	10m			700m	70	07	A208	MP☒
16	ICL741CHSTY	30	84m		7.5m	300n	800n	24	300k	20	10m			700m	70	07	A174	TO99
17	LM741CD	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88		70	07	A236	MP490
18	LM741CH	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88		70	07	A236	CN1d
19	LM741CJ14	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A236	MP319b
20	LM741CJ	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A236	MP659
21	LM741CN14	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88		70	07	A236	MP39n
22	LM741CN	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88		70	07	A236	MP491
23	PM741CJ	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88		70	08	A315	TO99
24	PM741CY	30	84m		7.5m	300n	800n	24	300k	24	10kØ		88		70	08	A315	MP14ak
25#	SFC2741C	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A042k	TO99
26#	SFC2741DC	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A042k	MP48
27#	SFC2741EC	30	84m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A042k	TO116
28#	SFC2748C	30	84m		7.5m	300n	800n	24	300k	24	10kØ		94	500m†	70	07	A112	TO99
29#	SFC2748DC	30	84m		7.5m	300n	800n	24	300k	24	10kØ		94	500m†	70	07	A112	MP48
30#	SFC2748M	30	84m		7.5m	300n	800n	24	300k	24	10kØ		94	500m†	70	5C	A112	TO99
31#	SFC2748PM	30	84m		7.5m	300n	800n	24	300k	24	10kØ		94	500m†	70	5C	A112	TO91
32	SG741CJ	30	84m		7.5m	300n	800p	30 Δ	300k	20	2.0kØ	800kØ†	86	500m†	70	07	A042	TO116
33	SG741CM	30	84m		7.5m	300n	800p	30 Δ	300k	20	2.0kØ	800kØ†	86	500m†	70	07	A042k	MP189a
34	SG741CN	30	84m		7.5m	300n	800p	30 Δ	300k	20	2.0kØ	800kØ†	86	500m†	70	07	A042m	MP39a
35	SG741CT	30	84m		7.5m	300n	800p	30 Δ	300k	20	2.0kØ	800kØ†	86	500m†	70	07	A042m	TO99
36	SG747CJ	30	84m		7.5m	300n	800n	30 Δ	300k	20	2.0kØ	800kØ†	86	500m†	70	07	A042a	TO116
37	SG747CN	30	84m		7.5m	300n	800n	30 Δ	300k	20	2.0kØ	800kØ†	86	500m†	70	07	A042a	MP39a
38	SG747CT	30	84m		7.5m	300n	800n	30 Δ	300k	20	2.0kØ	800kØ†	86	500m†	70	07	A042a	TO100
39	SG748CJ	30	84m		7.5m	300n	800n	30 †	300k	20	2.0kØ	600kØ†	86	500m†	70	07	A112b	TO116
40	SG748CM	30	84m		7.5m	300n	800n	30 †	300k	20	2.0kØ	600kØ†	86	500m†	70	07	A112	MP189a
41	SG748CN	30	84m		7.5m	300n	800n	30 †	300k	20	2.0kØ	600kØ†	86	500m†	70	07	A112	MP39a
42	SG748CT	30	84m		7.5m	300n	800n	30 †	300k	20	2.0kØ	600kØ†	86	500m†	70	07	A112	TO99
43#	TDA0741D	30	84m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500m	70	28	A200a	MP355
44#	TBA222Δ	30	84m	3.0u	5.5m	400n	1.2u	26	300k	26	2.0kØ		94	500m†	70	5C	A042r	CN1w
45	AD741LH	30	84m	5.0u§	1.0mΔ	10n	100n	30 Δ	2.0M†	20	2.0kØ	1.0M†Ø	94	500m†	90	07	A174	TO99
46	AD741LN	30	84m	5.0u§	1.0mΔ	10n	100n	30 Δ	2.0M†	20	2.0kØ	1.0M†Ø	94	500m†	90	07	A200a	MP236
47♦#	TBA221D	30	84m	5.0u	5.5m	100n	300n	24	2.0M†	24	10kØ		106	600m	90	28	A042k	MP355
48	LM748CH	30 ♦	84m	6.0u	6.0m	300n	800n	24	300k	24	10kØ		94		70	07		CN1d
49	LM748CN	30	84m	6.0u	6.0m	300n	800	24	300k	24	10kØ		94		70	07		MP491
50▼	NE535N*	30	84m	6.0u	6.0m	80n	200n	24	1.0M	24	10kØ	1.0M§†	94	70	10	07	A390a	MP549a
51#	NE535T	30	84m	6.0u†	6.0m	80n	200n	24	1.0M	20	2.0kØ			10	70	07	A390	CN1g
52#	NE535V	30	84m	6.0u†	6.0m	80n	200n	24	1.0M	20	2.0kØ			10	70	07	A390a	MP216
53	TL081AMJG	30	84m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A373c	MP401d
54	TL081AML	30	84m	10u†	5.0m	10n	25n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	5C	A373b	TO99
55	TL081BCJG	30	84m	10u†	5.0m	3.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A373c	MP401d
56	TL081BCL	30	84m	10u†	5.0m	2.0n	4.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373b	TO99
57	TL081BCP	30	84m	10u†	5.0m	2.0n	4.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373c	MP☒
58	TL082AML	30	84m	10u†	5.0m	10n	25n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	5C	A373d	TO99
59	TL082BCL	30	84m	10u†	5.0m	2.0n	4.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373d	MP☒
60	TL082BCP	30	84m	10u†	5.0m	2.0n	4.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373e	MP☒
61	TL084BCN	30	84m	10u†	5.0m	2.0n	4.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373g	MP☒
62	ICL741CLNPA	30	84m	10u†	7.5m	300n	800n	24		24	10kØ	1.0M†Ø	83	500m†	70	07		
63	ICL741CLNTY	30	84m	10u†	7.5m	300n	800n	24		24	10kØ	1.0M†Ø	83	500m†	70	07		TO99
64	TL080ACJG	30	84m	10u†	7.5m	3.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A373a	MP401d
65	TL080ACL	30	84m	10u†	7.5m	3.0n	5.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373	TO99
66	TL080ACP	30	84m	10u†	7.5m	3.0n	5.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373a	MP☒
67	TL082ACL	30	84m	10u†	7.5m	3.0n	5.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373d	TO99
68	TL082ACP	30	84m	10u†	7.5m	3.0n	5.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373e	MP☒
69	TL083ACN	30	84m	10u†	7.5m	3.0n	5.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373f	MP☒
70	TL084ACN	30	84m	10u†	7.5m	3.0n	5.0n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	06	A373g	MP☒
71	TL080IJG	30	84m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A373a	MP401d
72	TL080IL	30	84m	10u†	9.0m	10n	20n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	28	A373	TO99
73	TL080IP	30	84m	10u†	9.0m	10n	20n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	28	A373a	MP☒
74	TL080MJG	30	84m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A373a	MP401d
75	TL080ML	30	84m	10u†	9.0m	20n	50n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	5C	A373	TO99
76	TL081IJG	30	84m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A373c	MP401d
77	TL081IL	30	84m	10u†	9.0m	10n	20n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	28	A373b	TO99
78	TL081IP	30	84m	10u†	9.0m	10n	20n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	28	A373c	MP☒
79	TL081MJG	30	84m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A373c	MP401d
80	TL081ML	30	84m	10u†	9.0m	20n	50n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	5C	A373b	TO99
81	TL082IL	30	84m	10u†	9.0m	10n	20n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	28	A373d	TO99
82	TL082IP	30	84m	10u†	9.0m	10n	20n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	28	A373e	MP☒
83	TL082ML	30	84m	10u†	9.0m	20n	50n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	5C	A373d	TO99
84	TL083IN	30	84m	10u†	9.0m	10n	20n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	28	A373f	MP☒
85	TL084IN	30	84m	10u†	9.0m	10n	20n	24	1.0T	24	10kØ	3.0MØ	87	12 †	80	28	A373g	MP☒
86	TL080CJG	30	84m	10u†	20m	5.0n	10n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A373a	MP401d
87	TL080CL	30	84m	10u†	20m	5.0n	10n	20	1.0T	24	10kØ	3.0MØ	83	12 †	70	06	A373	TO99
88	TL080CP	30	84m	10u†	20m	5.0n	10n	20	1.0T	24	10kØ	3.0MØ	83	12 †	70	06	A373a	MP☒
89	TL082CL	30	84m	10u†	20m	5.0n	10n	20	1.0T	24	10kØ	3.0MØ	83	12 †	70	06	A373d	TO99
90	TL082CP	30	84m	10u†	20m	5.0n	10n	20	1.0T	24	10kØ	3.0MØ	83	12 †	70	06	A373e	MP☒
91	TL083CN	30	84m	10u†	20m	5.0n	10n	20	1.0T	24	10kØ	3.0MØ	83	12 †	70	06	A373f	MP☒
92	TL084CN	30	84m	10u†	20m	5.0n	10n	20	1.0T	24	10kØ	3.0MØ	83	12 †	70	06	A373g	MP☒
93	AD741KH	30	84m	15u§	3.0mΔ	15n	120n	30 Δ	2.0M†	20	2.0kØ	1.0M†Ø	94	500m†	90	07	A174	TO99
94	AD741KN	30	84m	15u§	3.0mΔ	15n	120n	30 Δ	2.0M†	20	2.0kØ	1.0M†Ø	94	500m†	90	07	A200a	MP236
95#	SE535T	30	84m	15u	3.0m	20n	100n	24	3.0M	20	2.0kØ			10	70	5C	A390	CN1g
96#	SE535V	30	84m	15u	3.0m	20n	100n	24	3.0M	20	2.0kØ			10	70	5C	A390a	MP216
97	uA777MJ	30	84m	15u	3.0m	10n	75n	24	2.0M	24	10kØ		94	500m†	80	5C	A186b	MP139b
98	uA777MJG	30	84m	15u	3.0m	10n	75n	24	2.0M	24	10kØ		94	500m†	80	5C	A186c	MP401d
99	uA777ML	30	84m	15u	3.0m	10n	75n	24	2.0M	24	10kØ		94	500m†	80	5C	A186a	CN1k
100	uA777MU	30	84m	15u	3.0m	10n	75n	24	2.0M	24	10kØ		94	500m†	80	5C	A186	Δ004AE
101	AD741SH	30	84m	15u§	4.0mΔ	25n	250n	30 Δ	2.0M†	20	1.0kØ	1.0M†Ø	94	500m†	80	5C	A174	TO99
102	AMSSS741J	30	85m		3.0m	10n	100n	24	2.0M	24	10kØ		100		80	5C	A159	TO99
103	AMSSS747K	30 ♦	85m		3.0m	10n	100n	30	2.0M	24	10kØ		100		80	5C	A160	TO100
104	AMSSS747M	30 ♦	85m		3.0m	10n	100n	30	2.0M	24	10kØ		100		80	5C	A160	FP29
105	AMSSS747P	30 ♦	85m		3.0m	10n	100n	30	2.0M	24	10kØ		100		80	5C	A160	MP14ad
106	IC450A	30	85m		5.0m	200n	500n	30 Δ	1.0M†	24	10kØ		94	800m	90 †	5C	A375	CH39
107	ID4741	30	85m		5.0m§Δ	200n§	500n§	24	500k	20	2.0kØ	700kØ	94	600m†	70	5C	A042k	
108	LTA741	30	85m		5.0m	200n	500n	24	300k	24	10kØ		87	500m†	70	5C		MP255
109	LTA747*	30	85m		5.0m	200n	500n	24	300k	24	10kØ		94	500m†	70	5C	A309	CH31
110	MCC1741	30	85m		5.0m§	200n§	500n§	26 †	1.0M†	24	10kØ		93	800m†	90 †	5C	A014	CH13

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TC EO MD PE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	MCC1748	30	85m		5.0m§	200n§	500n§	26 †	2.0M†	24	10kØ		94	800m†	90 †	5C	A148	CH14
2	MCCF1741	30	85m		5.0m§	200n§	500n§	26 †	1.0M†	24	10kØ		94	1.0 †	90 †	5C	A042	CH21a
3	AD741H	30	85m		6.0m	200n⍁	500n	24	300k	20	2.0kØ		93	500m†	70	5C	A042k	TO99
4	AD741N	30	85m		6.0m	200n⍁	500n	24	300k	20	2.0kØ		93	500m†	70	5C	A042k	MP236
5	AM741DM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	300m	70	5C	A159	MP14ad
6	AM741FM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	300m	70	5C		FP18
7	AM741HM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	300m	70	5C	A159	TO99
8	AM747DM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	300m	70	5C	A160	MP14ad
9	AM747FM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	300m	70	5C	A160	FP29
10	AM747HM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	300m	70	5C	A160	TO100
11	AM748DM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	200m	70	5C	A155	MP14ad
12	AM748FM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	200m	70	5C	A155	FP18
13	AM748HM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	200m	70	5C	A155	TO99
14	AMSSS741CJ	30	85m		6.0m	50n	200n	24	1.0M	24	10kØ		94		70	07	A159	TO99
15	AMSSS747CK	30	85m		6.0m	50n	150n	24	1.0M	24	10kØ		94		70	07	A160	TO100
16	AMSSS747CP	30	85m		6.0m	50n	150n	24	1.0M	24	10kØ		94		70	07	A160	MP14ad
17♦	CA741G	30	85m		6.0mΔ	200n§	500n§	24	300k	20	2.0kØ	1.0MØ†	96	500m†	70	5C	A181	MP446
18	CA741L	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		86	500m†	70	5C	A181	CH19
19♦	CA741S	30	85m		6.0mΔ	200n§	500n§	24	300k	20	2.0kØ	1.0MØ†	96	500m†	70	5C	A181	CN46
20♦	CA741T	30	85m		6.0mΔ	200n§	500n§	24	300k	20	2.0kØ	1.0MØ†	96	500m†	70	5C	A181	Δ002AL
21	CA748CH*	30	85m		6.0m	300n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A181b	CH⍁
22♦	CA748S	30	85m		6.0mΔ	200n§	500n§	24	300k	20	2.0kØ		96	500m†	70	5C	A181	CN46
23♦	CA748T	30	85m		6.0mΔ	200n§	500n§	24	300k	20	2.0kØ		96	500m†	70	5C	A181	Δ002AL
24	CA1558S*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A181a	
25	CA1558T*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A181a	Δ002AL
26	IC450B	30	85m		6.0m	200n	500n	30 Δ	1.0M†	24	10kØ		86	800m	90 †	07	A375	CH39
27	ID741C	30	85m		6.0m§Δ	200n§	500n§	24	300k	20	2.0kØ	700kØ	86	600m†	70	07	A042k	
28#	L148T2	30	85m		6.0m	200n§	500n§	24	300k	20	2.0kØ		94	500m†	70	5C	A042q	TO99
29	LM747J*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5C	A042u	MP319b
30	LTA741C	30	85m		6.0m	200n	500n	24	300k	24	10kØ		86	500m†	70	07		MP255
31	LTA747C*	30	85m		6.0m	200n	500n	24	300k	24	10kØ		88	500m†	70	07	A309	CH31
32	MC1741F	30	85m		6.0m	500n	1.5u	24	2.0M†	24	10kØ		94	500m†	70	5C	A014	TO91
33	MC1741G	30	85m		6.0m	500n	1.5u	24	2.0M†	24	10kØ		94	500m†	70	5C	A014	CN1k
34	MC1741L	30	85m		6.0m	500n	1.5u	24	2.0M†	24	10kØ		94	500m†	70	5C	A014	TO116
35	MC1741NF	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A014	TO91
36	MC1741NG	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A014	TO99
37	MC1741NL	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A014	MP139a
38	MC1741NU	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A014	MP401a
39	MC1741SG	30	85m		6.0m	500n	500n§	24	300k	24	20m	150k	94		70	5C	A259	CN1p
40	MC1741U	30	85m		6.0m	500n	1.5u	24	2.0M†	24	10kØ		93	500m†	70	5C	A014	MP401a
41	MC1747F*	30	85m		6.0m	500n	1.5u	24		24	10kØ	800kØ	84	500m†	70	5C	A181c	TO86
42	MC1747G*	30	85m		6.0m	500n	1.5u	24		24	10kØ	800kØ	84	500m†	70	5C	A181c	TO100
43	MC1747L*	30	85m		6.0m	500n	1.5u	24		24	10kØ	800kØ	84	500m†	70	5C	A181c	TO116
44	MC1748G	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	10	94	800m†	70	5C	A148	TO99
45	MCC1741C	30	85m		6.0m§	200n§	500n§	26 †	1.0M†	24	10kØ		86	800m†	90 †	5C	A014	CH13
46	MCC1748C	30	85m		6.0m§	200n§	500n§	26 †	2.0M†	24	10kØ		86	800m†	90 †	07	A148	CH14
47	MCCF1741C	30	85m		6.0m§	200n§	500n§	26 †	1.0M†	24	10kØ		86	1.0 †	90 †	07	A042	CH21a
48	PM747K*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	700m†	70	5C	A315a	TO100
49	PM747Y*	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	700m†	70	5C	A315a	MP14ak
50	RC741DB	30 ♦	85m		6.0m	500n	1.5u	24	1.0M†	24	10kØ	1.0MØ†	94	500m†	70	07	A042k	MP153f
51	RC741DE	30	85m		6.0m	200n	500n	24	1.0M†	24	10kØ	1.0MØ†	94	500m†	70	07	A042k	MP401j
52	RC741NB	30 ♦	85m		6.0m	500n	1.5u	24	1.0M†	24	10kØ	1.0MØ†	94	500m†	70	07	A042k	MP401k
53	RC1741BL	30	85m		6.0m	500n	1.5n	24	300k	20	2.0kØ		146	.50 †	70	07	A299	CH25
54▼	RM741CQ	30 ♦	85m		6.0m	500n	1.5u	24	1.0m†	24	10kØ		94	500m†	70	5C	A042k	FP2z
55	RM741DC	30 ♦	85m		6.0m	500n	1.5u	24	1.0m†	24	10kØ	1.0MØ†	94	500m†	70	5C	A042k	MP153g
56	RM741DE	30	85m		6.0m	500n	1.5u	24	1.0M†	24	10kØ		94	500m†	70	5C	A042k	MP401j
57	RM741Q	30 ♦	85m		6.0m	500n	1.5u	24	1.0m†	24	10kØ		94	500m†	70	5C	A042k	FP2z
58	RM741T	30 ♦	85m		6.0m	500n	1.5u	24	1.0m†	24	10kØ		94	500m†	70	5C	A042k	TO99
59#	SFC2747KM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5C		TO100
60#	SFC2747M	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m	70	5C		TO116
61	SG1217J	30	85m		6.0m	500n	1.5u	24	300k	20	2.0kØ	2.5MØ†	94	5.0 †	70	5C		TO116
62	SG1217T	30	85m		6.0m	500n	1.5u	24	300k	20	2.0kØ	2.5MØ†	94	5.0 †	70	5C	A042k	TO99
63#	SL748A	30	85m		6.0m	200n	500p	24	300k	24	10kØ		94	5.5	70	5C	A186a	CN11e
64	SN52741J	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A154	MP139
65	SN52741L	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A154	TO99
66	SN52747FA	30	85m		6.0m	500m	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154a	FP22
67	SN52747JA	30	85m		6.0m	500m	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154a	MP381
68	SN52747L	30	85m		6.0m	500m	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154a	TO100
69	SN52748FA	30	85m		6.0m	500m	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A153	FP22
70	SN52748J	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A153	MP139
71	SN52748JA	30	85m		6.0m	500m	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A153	MP381
72	SN52748JP	30	85m		6.0m	500m	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A153	MP383
73	SN52748L	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m	70	5C	A153	TO99
74	SSS741GJ	30	85m		6.0m	50n	200n	24	1.0M	24	10kØ		94		70	5C	A315	TO99
75	SSS741GY	30	85m		6.0m	50n	200n	24	1.0M	24	10kØ		94		70	5C	A315	MP14ak
76	SSS747CK*	30	85m		6.0m	50n	200n	24	1.0M	24	10kØ		94		70	07	A315a	TO100
77	SSS747CY*	30	85m		6.0m	50n	200n	24	1.0M	24	10kØ		94		70	07	A315a	MP14ak
78	SSS747GK*	30	85m		6.0m	50n	200n	24	1.0M	24	10kØ		94		70	5C	A315a	TO100
79	SSS747GM*	30	85m		6.0m	50n	200n	24	1.0M	24	10kØ		94		70	5C	A315a	FP6m
80	SSS747GY*	30	85m		6.0m	50n	200n	24	1.0M	24	10kØ		94		70	5C	A315a	MP14ak
81	SSS1458J*	30	85m		6.0m	50n	200n	24	1.0M	20	2.0kØ		94		70	07	A315b	TO99
82	SSS1558J*	30	85m		6.0m	50n	200n	24	1.0M	20	2.0kØ		94		70	5C	A315b	TO99
83#	TBA222%	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0M	106	500m	70	5C	A042k	TO99
84#	TBC0747	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C		TO100
85#	TBC0748	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C		TO99
86	uA741A	30	85m		6.0m	500n	1.5u	24	300k	20	5.0m	1.0MØ	94	500m	70	5C		TO116
87	uA741DM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A042k	MP486b
88	uA741FM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A042k	FP2w
89	uA741HM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A042k	CN1d
90	uA741MJ	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154	MP139b
91	uA741MJG	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154	MP401d
92	uA741ML	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154	CN1k
93	uA741MU	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154	Δ004AA
94	uA741V	30	85m		6.0m	500n	1.5u	24	300k	20	5.0m	1.0MØ	94	500m	70	5C	A112b	MP216
95	uA747DM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A042n	MP14x
96	uA747HM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A042n	TO100
97	uA747IDM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A241	MP14x
98	uA747IHM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A241	TO100
99	uA748A	30	85m		6.0m	200n	500n	24	300k	20	5.0m	1.0MØ	94	500m	70	5C	A112b	TO116
100	uA748DM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A337	MP486b
101	uA748HM	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A337	CN1d
102	uA748MJ	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A153	MP139b
103	uA748MJG	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A153	MP401d
104	uA748ML	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A153	CN1k
105	uA748MU	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A153	Δ004AA
106	uA748T	30	85m		6.0m	500n	1.5u	24	300k	20	5.0m	1.0MØ	94	500m	70	5C	A112b	CN1g
107	uA748TC	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A337	MP487
108	uA748V	30	85m		6.0m	200n	500n	24	300k	20	5.0m	1.0MØ	94	500m	70	5C	A112b	MP216
109	uPC151C	30	85m		6.0m§	200n§	500n§	24		24	10kØ		88	500m†	70	27	A313	MP189a
110	uPC741C	30	85m		6.0m§	200n§	500n§	24		24	10kØ		88	500m†	70	07	A313	MP189a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS: 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS, OVER OPERATING TEMP. RANGE, MAX VOLTAGE: 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT: OFFSET (A)	BIAS (A)	MIN.-@25°C: CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C: P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C: 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS: CKT.	OUT-LINE Δ=MO
1#	ZLD741	30	85m		6.0m	500n	1.5u	24	300k	24	10kØ		93	500m†	70	5C	A071	CN1j
2	AD741CH	30	85m		7.5m	200n⧄	500n	24	300k	20	2.0kØ		86	500m†		07	A042k	TO99
3	AD741CN	30	85m		7.5m	200n⧄	500n	24	300k	20	2.0kØ		86	500m†		07	A042k	MP236
4	AM741DC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	300m	70	07	A159	MP14ad
5	AM741HC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	300m	70	07	A159	TO99
6	AM747DC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		94	300m	70	07	A160	MP14ad
7	AM747HC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		94	300m	70	07	A160	TO100
8	AM748DC	30	85m		7.5m	300n⧄	800n⧄	24	300k	24	10kØ		94	200m	70	07	A155	MP14ad
9	AM748HC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		94	200m	70	07		TO99
10♦	CA741CE	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	1.0M†Ø	86	500m	70	07	A181	MP446
11♦	CA741CG	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	1.0M†Ø	86	500m	70	07	A181	MP446
12	CA741CH	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	5C	A181	CH16y
13♦	CA741CS	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	1.0M†Ø	86	500m	70	07	A181	CN46
14♦	CA741CT	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	1.0M†Ø	86	500m	70	07	A181	Δ002AL
15	CA747CH*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	5C	A181c	CH16z
16♦	CA748CE	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ		86	500m	70	07	A181	MP446
17▾	CA748CG	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ		86	500m	70	07	A181	MP446
18♦	CA748CS	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ		86	500m	70	07	A181	CN46
19♦	CA748CT	30	85m		7.5mΔ	300n	800n	24	300k	20	2.0kØ		86	500m	70	07	A181	Δ002AL
20	CA1458E*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A181a	MP446
21	CA1458S*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A181a	CN46
22	CA1458T*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A181a	Δ002AL
23	ICB8008C	30	85m		7.5m	30n	90n	24	1.0M	24	10kØ		86	500m†	70	07	A014	TO99
24	ICB8741C	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A014	TO99
25#	L141B1	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500m	70	07	A042k	MP39
26#	L147B1	30	85m		7.5m	300n	800n	24	300k	24	10kØ	1.0M	94	500m†	70	07	A042n	TO116
27#	L148T1	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500m†	70	07	A112	TO99
28	LM747CJ*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A042u	MP319b
29	MC1741CF	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	TO91
30	MC1741CG	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	CN1k
31	MC1741CL	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	TO116
32	MC1741CP1	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	MP161
33	MC1741CP2	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	MP307
34	MC1741CU	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	MP401a
35	MC1741NCF	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	TO91
36	MC1741NCG	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	TO99
37	MC1741NCL	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	TO116
38	MC1741NCP1	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	MP404
39	MC1741NCP2	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	MP307
40	MC1741NCU	30	85m		7.5m	300n	800n	24	2.0M†	24	10kØ		86	500m†	70	07	A014	MP401a
41	MC1741SCG	30	85m		7.5m	300n	500n§	24	300k	24	20m	150k	86		70	07	A259	CN1p
42	MC1741SCP1	30	85m		7.5m	300n	500n§	24	300k	24	20m	150k	86		70	07	A259	MP404
43	MC1747CF*	30	85m		7.5m	500n	800n	24		24	10kØ	800kØ	88	500m†	70	07	A181c	TO86
44	MC1747CG*	30	85m		7.5m	500n	800n	24		24	10kØ	800kØ	88	500m†	70	07	A181c	TO100
45	MC1747CL*	30	85m		7.5m	500n	800n	24		24	10kØ	800kØ	88	500m†	70	07	A181c	TO116
46	MC1748CG	30	85m		7.5m	300n	800n	24	300k	24	10kØ	10	86	800m†	70	07	A148	TO99
47	PM747CK*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	700m†	70	07	A315a	TO100
48	PM747CY*	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	700m†	70	07	A315a	MP14ak
49▾	PTC1741-RT	30	85m		7.5m	300n	800n	24	2.0M	24	10kØ		86	500m†	70	07	A014	MP161
50	RC741DC	30 ♦	85m		7.5m	300n	800n	24	1.0M†	24	10kØ	1.0MØ†	86	500m†	70	07	A042k	MP153g
51	RC741Q	30 ♦	85m		7.5m	300n	800n	24	1.0m†	24	10kØ		86	500m†	70	07	A042k	FP2z
52	RC741T	30 ♦	85m		7.5m	300n	800n	24	1.0m†	24	10kØ		86	500m†	70	07	A042k	TO99
53	RC748BL	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500m†	70	07		CH25
54▾	RC748DE	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500m†	70	07	A112	MP401j
55	RC748NB	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500m†	70	07	A112	MP401k
56	RC748T	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500m†	70	07	A112	TO99
57	RM748BL	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500m†	70	5C		CH25
58▾	RM748DE	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500m†	70	5C	A112	MP401j
59	RM748T	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500m†	70	5C	A112	TO99
60	RM1741BL	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		154	.50 †	70	5C	A299	CH25
61#	SFC2741DT	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	28	A042k	MP48
62#	SFC2747C	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500m†	70	07		TO100
63#	SFC2747EC	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		88	500m†	70	07		TO116
64	SG3217J	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	2.5MØ†	86	5.0 †	70	07		TO116
65	SG3217M	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	2.5MØ†	86	5.0 †	70	07		MP189a
66	SG3217T	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ	2.5MØ†	86	5.0 †	70	07	A042k	TO99
67#	SL748C	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	5.5	70	07	A186a	CN11e
68	SN72741J	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	MP139
69	SN72741L	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	TO99
70	SN72741N	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	MP39h
71	SN72741P	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m	70	07	A154	MP161
72	SN72747FA	30	85m		7.5m	300m	800n	24	300k	24	10kØ		94	500m†	70	07	A154a	FP22
73	SN72747L	30	85m		7.5m	300m	800n	24	300k	24	10kØ		94	500m†	70	07	A154a	TO100
74	SN72748FA	30	85m		7.5m	300m	800n	24	300k	24	10kØ		94	500m†	70	07	A153	FP22
75	SN72748J	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	MP139
76	SN72748L	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	TO99
77	SN72748N	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	MP39h
78	SN72748P	30	85m		7.5m	300n	800n	24	300k	24	10kØ		93	500m	70	07	A153	MP161
79	SSS741CJ	30	85m		7.5m	50n	200n	24	1.0M	24	10kØ		86		70	07	A315	TO99
80	SSS741CY	30	85m		7.5m	50n	200n	24	1.0M	24	10kØ		86		70	07	A315	MP14ak
81#	TBA221%	30	85m		7.5m	300n	800n	24	300k	24	10kØ	1.0M	86	500m	70	07	A042k	TO99
82#	TBA221B	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A042	MP189b
83#	TBA221N	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A042	TO99
84#	TBB0747	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	500m†	70	07	A403	CN72
85#	TBB0747A	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	500m†	70	07	A403a	MP39q
86#	TBB0748	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A404	CN1w
87#	TBB0748B	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A404a	MP189b
88#	TDA0748D	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A316	MP355
89	uA741CA	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500m†	70	07	A042k	MP153
90	uA741CJ	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A154	MP139b
91	uA741CJG	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A154	MP401d
92	uA741CL	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A154	CN1k
93	uA741CN	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A154	MP598
94	uA741CP	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A154	MP267d
95	uA741CT	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500m†	70	07	A042k	CN1g
96	uA741CU	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A154	Δ004AA
97	uA741CV	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		86	500m†	70	07	A042k	MP216
98	uA741DC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A042k	MP486b
99	uA741HC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A042k	CN1d
100	uA741PC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A241	MP252f
101	uA741RC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A241	MP487
102	uA741TC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A042k	MP401b
103	uA747DC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	500m†	70	07	A042n	MP14x
104	uA747HC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	500m†	70	07	A042n	TO100
105	uA747IDC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	500m†	70	07	A241	MP14x
106	uA747IHC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	500m†	70	07	A241	TO100
107	uA747PC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		88	500m†	70	07	A241	MP252f
108	uA748CA	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		93	500m†	70	07	A112b	MP153
109	uA748CJ	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A153	MP139b
110	uA748CJG	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A153	MP401d

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	uA748CL	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A153	CN1k
2	uA748CN	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A153	MP598
3	uA748CP	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A153	MP267d
4	uA748CT	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		93	500m†	70	07	A112b	CN1g
5	uA748CU	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A153	Δ004AA
6	uA748CV	30	85m		7.5m	300n	800n	24	300k	20	2.0kØ		93	500m†	70	07	A112b	MP216
7	uA748DC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A337	MP486b
8	uA748FM	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A337	FP2w
9	uA748HC	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A337	CN1d
10#	ZLD741C	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A071	CN1j
11#	ZLD741CE	30	85m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07		TO116
12#	MB3603C	30	85m		10m	220n	600n	24	300k	20	2.0kØ		84	100m	70	07	A347	MP319d
13#	MB3603K	30	85m		10m	220n	600n	24	300k	20	2.0kØ		84	100m	70	07	A347	TO78
14#	MB3603M	30	85m		10m	220n	600n	24	300k	20	2.0kØ		84	100m	70	07	A347	MP250a
15#	MB3609C	30	85m		10m	220n	600n	24	300k	20	2.0kØ		84	100m	70	07	A347a	MP401e
16#	MB3609M	30	85m		10m	220n	600n	24	300k	20	2.0kØ		84	100m	70	07	A347a	MP594
17	ULS2151D	30	85m	3.0u§†	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A174	TO99
18	ULS2151G	30	85m	3.0u§†	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A172	FP⍁
19	ULS2151H	30	85m	3.0u§†	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A173e	MP⍁
20	ULS2151M	30	85m	3.0u§†	5.0m	15n	75n	24	1.5M	20	2.0kØ	8.0k	94	500m	85	5C	A200a	MP⍁
21	SG741ST	30	85m	6.0u†	6.0m	500n	500n§	24	300k	24	10kØ	800k§	94	15 †	70	5C		TO99
22	ULN2151D	30	85m	6.0u§†	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A174	TO99
23	ULN2151G	30	85m	6.0u§†	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A172	FP⍁
24	ULN2151H	30	85m	6.0u§†	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A173e	MP⍁
25	ULN2151M	30	85m	6.0u§†	6.5m	50n	350n	22	400k	20	2.0kØ	6.0k	88	400m	75	59	A200a	MP⍁
26	HEPC6052G-RT	30	85m	6.0u	7.5m	300n	800n	24	300k	24	10kØ	10k	86	800m	70	07	A014	TO99
27	HEPC6052P-RT	30	85m	6.0u†	7.5m	300n	800n⍁	24	1.0M†	24			86	800m	70	5C	A014	MP161
28	SG741SCM	30	85m	6.0u†	7.5m	300n	500n§	24	300k	24	10kØ	800k§	86	15 †	70	07		MP189a
29	SG741SCT	30	85m	6.0u†	7.5m	300n	500n§	24	300k	24	10kØ	800k§	86	15 †	70	07		TO99
30#	TL1741C	30	85m	6.0u†	7.5m	300n	800n	24	300k	24	10kØ	10	86	800m†	70	07	A014	TO99
31#	TL3741C	30	85m	6.0u†	7.5m	300n	800n	24	300k	24	10kØ	10	86	800m†	70	07	A014	MP39f
32	ICL8008MTY	30	85m	7.0u†	6.0m	30n	50n	20	5.0M	24	10kØ	2.0M†Ø	86	500m†	70	5c	A014	TO99
33#	TBA221Δ	30	85m	10u	5.0m	300n	800n	30	300k	20	2.0kØ		86	500m†	70	07	A042k	CN1w
34#	TBA221A	30	85m	10u	5.0m	300n	800n	30	300k	20	2.0kØ		86	500m†	70	07	A042k	MP39q
35	SG777J	30	85m	15u	2.0m§	3.0n§	25n§	24	2.0M	24	10kØ	500kØ†	94	500m†	80	5C		TO116
36	SG777T	30	85m	15u	2.0m§	3.0n§	25n§	24	2.0M	24	10kØ	500kØ†	94	500m†	80	5C		TO99
37	SG777F	30	85m	15u	3.0m	10n	75n	24	2.0M	24	10kØ	80 †	94	500m	80	5C		TO91
38	ICL8008CPA	30	85m	15u†	7.5m	30n	50n	24	5.0M	24	10kØ	2.0M†Ø	86	500m†	70	07	A014	MP236
39	ICL8008CTY	30	85m	15u†	7.5m	30n	50n	24	5.0M	24	10kØ	2.0M†Ø	86	500m†	70	07	A014	TO99
40	LH0022CD	30	85m	15u	10m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	97	1.0	70	28	A223	MP490
41	LH0022CF	30	85m	15u	10m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	97	1.0	70	28	A223	FP37
42	LH0022CH	30	85m	15u	10m	200p	1.0n	24	1.0T†	20	20m	1.0M†Ø	97	1.0	70	28	A223	CN17g
43	AD502K	30	85m	20u	6.0m	8.0n⍁	15n⍁	24	20M	20	2.0kØ		86	1.0 †	70	07	A190	TO99
44	SG777CF	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ	80 †	88	500m	70	07		TO91
45	SG777CJ	30	85m	30u	5.0m§	20n§	100n§	24	1.0M	24	10kØ	500kØ†	88	500m†	70	07		TO116
46	SG777CM	30	85m	30u	5.0m§	20n§	100n§	24	1.0M	24	10kØ	500kØ†	88	500m†	70	07		MP189a
47	SG777CN	30	85m	30u	5.0m§	20n§	100n§	24	1.0M	24	10kØ	500kØ†	88	500m†	70	07		MP39a
48	SG777CT	30	85m	30u	5.0m	20n§	100n§	24	1.0M	24	10kØ	500kØ†	88	500m	70	07		TO99
49	uA777DC	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186b	MP486b
50	uA777HC	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186a	CN1d
51	uA777TC	30	85m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186b	MP487
52	uPC151A	30	85m	30u§	6.0m§	200n§	500n§	24		24	10kØ		88	500m†	70	28	A313	Δ002AK
53	AD502J	30	85m	40u	7.5m	24n⍁	50n⍁	24	5.0M	20	2.0kØ		86	1.0 †	70	07	A190	TO99
54	ZA801D1	30	90m†				25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28		MP58
55	CA3078AH	30 ♦	90m		4.5m	5.5n	55n	11 §†	1.7M†	26	10kØ	2.0k†	92	40m†	80	5C	Z122	CH16s
56	CA3078AS	30 ♦	90m		4.5m	5.5n	55n	11 §†	1.7M†	26	10kØ	2.0k†	92	40m†	80	5C	Z122	
57	CA3078AT	30 ♦	90m		4.5m	5.5n	55n	11 §†	1.7M†	26	10kØ	2.0k†	92	40m†	80	5C	Z122	Δ002AL
58	ULS2171D	30	90m		5.0m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C	A174	TO99
59	ULS2171G	30	90m		5.0m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C	A172	FP⍁
60	ULS2171H	30	90m		5.0m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C	A173e	MP⍁
61	ULS2171M	30	90m		5.0m	17n	40n	24	8.0M	20	2.0kØ	15k	94	1.0	85	5C	A200a	MP⍁
62#	TAA4761A	30	90m		6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		80		65	07	A402b	MP39q
63#	TAA4765A	30	90m		6.0m§	300n§	1.0u§	27 †	200k†	28	2.0kØ		80		65	28	A402b	MP39q
64	uPC157C	30 ♦	90m		7.5m§	50n§	250n§	24	500k	24	10kØ		88		70	27	A234	MP189a
65	uPC301AC	30 ♦	90m		7.5m§	50n§	250n§	24	500k	24	10kØ		88		70	07	A234	MP189a
66	LM201V	30	90m		14m	14n	40n	22	3.0M†	22	2.0kØ	1.0M†Ø	96	2.5 †	70	07	A139	MP216
67▼	MC1456F	30	90m		14m	10n§	40n	22	250M$†	22	2.0kØ	1.0MØ†	97	2.5 †	70	07	A139	MP319k
68	MC1456G	30	90m		14m	10n§	40n	22	3.0M†	22	2.0kØ	1.0M†Ø	96	2.5 †	70	07	A100	CN1k
69	MC1456L	30	90m		14m	10n§	40n	22	3.0M†	22	2.0kØ	1.0MØ†	96	2.5 †	70	07	A100	TO116
70▼	MC1456N	30	90m		14m	10n§	40n	22	250M$†	22	2.0kØ	1.0MØ†	97	2.5 †	70	07	A139	MP549a
71♦	MC1456T	30	90m		14m	10n§	40n	22	250M$†	22	2.0kØ	1.0MØ†	97	2.5 †	7	07	A139	CN1g
72	SG1456T	30	90m		14m	10n§	40n	22	3.0M†	22	2.0kØ	1.8MØ†	96	3.0 †	70	07	A100	TO99
73▼	1701-01$	30	90m	100n	15u§		50p§	1.0 †	500k	24	10	1.0MØ†	140	1.2	140 †	28		MP172
74	1701	30	90m	250n	15u§		50p§	1.0 †	500k†	24	10m	1.0MØ†	140	1.2	140 †	28		MP172
75	AD510L	30	90m	500n	25u	4.0n	15n	20	6.0M†	20	10m	300kØ	108	100m	110	07		TO99
76	AD508KH	30	90m	500n	500u§	1.5n	15n	30 Δ	6.0M†	20	20m	300k†Ø	120	120m†	110	07	A071	TO99
77	AD510K	30	90m	1.0u	50u	6.0n	20n	20	6.0M†	20	10m	300kØ	108	100m	110	07		TO99
78	AD510S	30	90m	1.0u	50u	10n	30n	20	6.0M†	20	10m	300kØ	108	100m	110	5C		TO99
79	3500E	30	90m	1.0u	500u§	30n§	50n§	22	10M†	20	20m	1.5MØ	100	1.0	100 †	28		TO99
80	AD504LH	30	90m	1.0u	500u	10n	50n	20		24	5.0m	300k	120	120m	110	07		TO99
81	AD504LN	30	90m	1.0u	500u	10n	50n	20		24	5.0m	300k	120	120m	110	07		MP236
82	AD508LH	30	90m	1.0u	500u§	1.5n	15n	30 Δ	6.0M†	20	20m	300k†Ø	120	120m†	110	07	A071	TO99
83	ZA903M2	30	90m†	1.0u	500uΔ		10p	30	100G†	20	7.0m	4.0MØ	100	6.0	88	06		MP5cd
84	ZA903M1	30	90m†	3.0u	500uΔ		10p	30	100G†	20	7.0m	4.0MØ	100	6.0	88	06		MP5cd
85	3500C	30	90m	3.0u	1.0m§	7.0n†§	15n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	28		TO99
86	3500CN	30	90m	3.0u	1.0m§	7.0n†§	15n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	28		MP48b
87	AD504KH	30	90m	3.0u	1.5m	15n	150n	20		24	5.0m	300k	114	120m	100	07		TO99
88	AD504KN	30	90m	3.0u	1.5m	15n	150n	20		24	5.0m	300k	114	120m	100	07		MP236
89	ZA801M3	30	90m†	5.0u			25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28		MP5bf
90	AD301ALH	30	90m	5.0u	500u	10n	45n	30	1.5M	24	25m	1.0MØ	98	250m	90	07	A150	TO99
91	AD301ALN	30	90m	5.0u	500u	10n	45n	30	1.5M	24	25m	1.0MØ	98	250m	90	07	A150	MP189
92	3500T	30	90m	5.0u	1.0m§	7.0n†§	15n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	5C		TO99
93	3500B	30	90m	5.0u	2.0m§	10n†§	20n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	28		TO99
94	3500BN	30	90m	5.0u	2.0m§	10n†§	20n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	28		MP48b
95	9831	30	90m	5.0u	5.0m	3.0n	35n	20	1.0M	20	40m	3.0M§	57	10	86	27		MP268
96▼	NE538N*	30	90m	6.0u†	6.0m	80n	200n	24	1.0M	24	10kØ	6.0M§†	94	60 †	70	07	A423	MP549a
97▼	NE538T*	30	90m	6.0u†	6.0m	80n	200n	24	1.0M	24	10kØ	6.0M§†	94	60 †	70	07	A423	CN1g
98	MC1456V	30 ♦	90m	6.0u†	10m	500n§	2.0u	24	100k†	28	10kØ		86		65	07		MP216
99	HA1-2650	30	90m	8.0u†	5.0m	60n	200n	26	5.0M	26	10kØ	30k⍁	88	2.0	80	5C	A283	TO116
100	HA2-2650	30	90m	8.0u†	5.0m	60n	200n	26	5.0M	26	10kØ	30k⍁	88	2.0	80	5C	A283	TO99
101	LH0052CD	30	90m	10u	1.0m	100p	500p	24	1.0T†	20	20m	1.0M†Ø	98	1.0	76	28	A223	MP490
102	LH0052CH	30	90m	10u	1.0m	100p	500p	24	1.0T†	20	20m	1.0M†Ø	98	1.0	76	28	A223	CN17g
103	3500S	30	90m	10u	2.0m§	10n†§	20n§	22	10M†	20	20m	1.5M†Ø	93	1.0	100 †	5C		TO99
104	A561	30	90m	10u§	3.0m§		5.0n§	22	300MØ	20	20m	10M	103	35		07	A307	TO99
105	OP01EJ	30	90m	10u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	07	A174	TO99
106	OP01EY	30	90m	10u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	07	A173	MP14ak
107	OP01FJ	30	90m	10u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	5C	A174	TO99
108	OP01FL	30	90m	10u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	5C	A172	FP2y
109	OP01FY	30	90m	10u	3.0m	10n	100n	24	4.0M	25	5.0kØ	2.5M†Ø	94	18 †	80	5C	A173	MP14ak
110	OP02CJ	30	90m	10u	3.0m	10n	100n	24	2.3M	24	2.0kØ	800kØ	94	250m	90	07	A369c	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS: 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE: 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT: OFFSET (A)	BIAS (A)	MIN.-@25°C: CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C: P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C: 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP / CODE (-+)	DRAWINGS: CKT.	OUT-LINE Δ=MO
1	OP02CP	30	90m	10u	3.0m	10n	100n	24	2.3M	24	2.0kØ	800kØ	94	250m	90	07	A369e	MP161c
2	OP02CY	30	90m	10u	3.0m	10n	100n	24	2.3M	24	2.0kØ	800kØ	94	250m	90	07	A369d	MP14ak
3	OP02J	30	90m	10u	3.0m	10n	100n	24	2.3M	24	2.0kØ	800kØ	94	250m	90	5C	A369c	TO99
4	OP02Y	30	90m	10u	3.0m	10n	100n	24	2.3M	24	2.0kØ	800kØ	94	250n	90	5C	A369d	MP14ak
5	OP04CK*	30	90m	10u	3.0m	10n	75n	24		24	2.0kØ	4.0k	94	500m	94	07	A369	TO100
6	OP04CY*	30	90m	10u	3.0m	10n	75n	24		24	2.0kØ	4.0k	94	500m	94	07	A369a	MP14ak
7	OP04K*	30	90m	10u	3.0m	10n	75n	24		24	2.0kØ	4.0k	94	500m	94	5C	A369	TO100
8	OP04Y*	30	90m	10u	3.0m	10n	75n	24		24	2.0kØ	4.0k	94	500m	94	5C	A369a	MP14ak
9	OP14CJ*	30	90m	10u	3.0m	10n	125n	24	2.3M	24	2.0kØ	4.0k	94	700m†	90	07	A369b	TO99
10	OP14J*	30	90m	10u	3.0m	10n	125n	24	2.3M	24	2.0kØ	4.0k	94	700m†	90	5C	A369b	TO99
11	uA798HM*	30	90m	10u	6.0m	200n	300n	28	300k	26	10kØ	1.0M†Ø	94	600m	70	5C	A339	CN1d
12	uA798RM*	30	90m	10u	6.0m	200n	300n	28	300k	26	10kØ	1.0M†Ø	94	600m	70	5C	A339	MP401b
13	LM301F	30 ♦	90m	10u†	10m	750n	2.0u	24	150k	24	10kØ	100	83		65	07	A012	FP2n
14▼	uA201DC	30	90m	10u†	10m	750n	2.0u	24	100k	24	10kØ		86		65	07	A090	MP486b
15▼	uA201HC	30	90m	10u†	10m	750n	2.0u	24	100k	24	10kØ		86		65	07	A090	CN1d
16	1035-02	30 ♦	90m	15u	1.0m§		50f§	20	10T†	20	10m	700k†Ø	100	3.0	86	07		MP508w
17	1319-01	30	90m	15u	2.0m§	5.0n§	50n§	24	500k	20	10m	1.0MØ†	94	400m	80	5C	A039a	TO99
18	AD101AH	30	90m	15u	3.0m	20n	100n	24	1.5M	24			94		80	5C	A134	TO99
19	AD201AH	30	90m	15u	3.0m	20n	100n	24	1.5M	24			94		80	28	A134	TO99
20	LH2101AD	30	90m	15u	3.0m	20n	100n	24	1.5M	24	10kØ		94	10	80	5C	A220	MP230b
21	LH2101AF	30	90m	15u	3.0m	20n	100n	24	1.5M	24	10kØ		94	10	80	5C	A220	FP28a
22	LM201AJG	30	90m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A351a	MP401d
23	LM201AL	30	90m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A351b	CN1k
24	LM201AN	30	90m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A351	MP598
25	LM201AP	30	90m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A351a	MP267d
26	LM201AU	30	90m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A351c	Δ004AA
27	RM709ABL	30	90m	16u	1.0m§	50n§	200n§	16	700k†	24	10kØ	1.0MØ†	88	400m†	80	5C		CH46
28	RM709ADC	30 ♦	90m	16u	2.0m	250n	600n	16	700k†	24	10kØ	1.0MØ†	88	400m†	80	5C	A003	MP153g
29	RM709AQ	30 ♦	90m	16u	2.0m	250n	600n	16	700k†	24	10kØ	1.0MØ†	88	400m†	80	5C	A003	FP2z
30	RM709AT	30 ♦	90m	16u	2.0m	250n	600n	16	700k†	24	10kØ	1.0MØ†	88	400m†	80	5C	A003	TO99
31	ZA801M2	30	90m†	20u			25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28		MP5bf
32	ZA804M2	30	90m†	20u	△		25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28		MP5bf
33	3500A	30	90m	20u	5.0m§	15n†§	30n§	22	10M†	20	20m	1.5M†Ø	93	600m	100 †	28		TO99
34	3500AN	30	90m	20u	5.0m§	15n†§	30n§	22	10M†	20	20m	1.5M†Ø	93	600m	100 †	28		MP48b
35	3500R	30	90m	20u	5.0m§	15n†§	30n§	22	10M†	20	20m	1.5M†Ø	93	600m	100 †	5C		TO99
36	OP01CJ	30	90m	20u	6.0m	40n	200n	24	4.0M	25	5.0kØ	2.5M†Ø	88	18 †	80	07	A174	TO99
37	OP01CY	30	90m	20u	6.0m	40n	200n	24	4.0M	25	5.0kØ	2.5M†Ø	88	18 †	80	07	A173	MP14ak
38	OP01GJ	30	90m	20u	6.0m	40n	200n	24	4.0M	25	5.0kØ	2.5M†Ø	88	18 †	80	5C	A174	TO99
39	OP01GL	30	90m	20u	6.0m	40n	200n	24	4.0M	25	5.0kØ	2.5M†Ø	88	18 †	80	5C	A172	FP2y
40	OP01GY	30	90m	20u	6.0m	40n	200n	24	4.0M	25	5.0kØ	2.5M†Ø	88	18 †	80	5C	A173	MP14ak
41	1035	30 ♦	90m	25u	2.0m§		150f§	20	10T†	20	10m	700k†Ø	100	3.0	86	07		MP508w
42	1319	30	90m	25u	5.0m§	50n§	250n§	24	500k	20	10m	1.0MØ†	94	400m	80	07	A039a	TO99
43	LM307DE	30	90m	30u	5.0m§	20n§	250n§	24	500k	24	10kØ	1.0MØ†	88	500m†	70	07		MP401j
44	SG301AJ	30 ♦	90m	30u	7.5m§	70n	300n	30	500k	24	10kØ	600kØ†	88	500m†	80	07	A012	TO116
45	SG301AM	30 ♦	90m	30u	7.5m§	70n	300n	30	500k	24	10kØ	600kØ†	88	500m†	80	07	A012	MP189a
46	SG301AN	30 ♦	90m	30u	7.5m§	70n	300n	30	500k	20	2.0kØ	600kØ†	88	500m†	80	07	A012	MP39a
47	SG301AT	30 ♦	90m	30u	7.5m§	70n	300n	30	500k	20	2.0kØ	600kØ†	88	500m†	80	07	A012	TO99
48	SG307J	30	90m	30u	7.5m§	70n	300n	24	500k	24	10kØ	800kØ†	83	700m†	80	07	A090	TO116
49	SG307M	30	90m	30u	7.5m§	70n	300n	24	500k	24	10kØ	800kØ†	83	700m†	80	07	A090	MP189a
50	SG307N	30	90m	30u	7.5m§	70n	300n	24	500k	24	10kØ	800kØ†	83	700m†	80	07	A090	MP39a
51	SG307T	30	90m	30u	7.5m§	70n	300n	24	500k	24	10kØ	800kØ†	83	700m†	80	07	A090	TO99
52	uPC157A	30 ♦	90m	30u§	7.5m§	50n§	250n§	24	500k	24	10kØ		88		70	28	A234	Δ002AK
53	AD301AH	30	90m	30u	10m	70n	300n	24	500k	24			88		70	07	A134	TO99
54	AMLM307	30	90m	30u	10m	70n	300n	27 §	500k	24	10kØ		88	200m	70	07	A156	TO99
55	AMLM307D	30	90m	30u	10m	70n	300n	27 §	500k	24	10kØ		88	200m	70	07	A156	MP14ad
56	CA301AE	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88	10 †	70	07	A275	MP446
57	CA301AG	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A275	MP446
58	CA301AH	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A275	CH32
59	CA301AS	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88	10 †	70	07	A275	CN46
60	CA301AT	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88	10 †	70	07	A275	Δ002AL
61	CA307E	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A276	MP446
62	CA307G	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A276	MP446
63	CA307H	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A276	CH32
64	CA307S	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A276	CN46
65	CA307T	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A276	Δ002AL
66	ICL301ALNPA	30	90m	30u	10m	70n	300n	27 §		24	10kØ	800k†Ø	83	500m†	70	07		
67	ICL301ALNTY	30	90m	30u	10m	70n	300n	27 §		24	10kØ	800k†Ø	83	500m†	70	07		TO99
68	LH2301AD	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A220	MP230b
69	LH2301AF	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A220	FP28a
70	LM301AF	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	500k†⍁	88		70	07	A419a	MP319k
71	LM301AH	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A234	CN1d
72	LM301AJ	30	90m	30u	10m	70n	300n	24	1.5M	24	10kØ	1.0M†Ø	88	2.0 †	70	07	A001	TO116
73	LM301AJ⍁	30	90m	30u	10m	70n	300n	24	300k	24	10kØ		88		70	07	A297	TO116
74	LM301AJG	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A351a	MP401d
75	LM301AL	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A351b	CN1k
76	LM301AN	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A234	MP491
77▼	LM301AN-14	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A419a	MP153h
78	LM301AP	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	100 †	88		70	07		MP39d
79♦	LM301AT	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	1.0MØ	88	500m	70	07	A419c	CN1g
80	LM301AU	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A351c	Δ004AA
81	LM301AV	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0MØ	87	500m	70	07	A001	MP216
82	LM307D	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A235	MP490
83	LM307F	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A235	FP37
84	LM307H	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A235	CN1d
85	LM307J14	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A235	MP319b
86	LM307J	30	90m	30u	10m	70n	300u	24	500k	24	2.0kØ		87		70	07	A001	TO116
87	LM307J⍁	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A235	MP659
88	LM307JG	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A352a	MP401d
89	LM307P	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A352a	MP267d
90♦	LM307T	30 ♦	90m	30u	10m	70n	300n	24	500k	24	10kØ	5.0kØ†	88	500m	70	07	A174c	CN1g
91	LM307U	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A352b	Δ004AA
92	LM307V	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	800k	87	500m	70	07	A001	MP216
93	MLM301AG	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A171	CN1k
94	MLM301AP1	30	90m	30u	10m	70n	30n	24	500k	24	10kØ		88		70	07	A171	MP404
95	MLM301AU	30	90m	30u	10m	70n	30n	24	500k	24	10kØ		88		70	07	A171	MP401a
96	MLM307G	30	90m	30u	10m	70n	300n	30	500k	24	3.0		88		70	07	A175	TO99
97#	SFC2301A	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	100 †	88	500m†	70	07	A012	TO99
98#	SFC2301ADC	30	90m	30u	10m	70n	300n	24	500k	24	10kØ	1.0k	87	500m†	70	07	A012	MP98
99	SG301N	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0k	87		70	07	A001	TO116
100	SG301T	30	90m	30u	10m	70n	300n	24	500k	20	2.0kØ	1.0k	87		70	07	A001	TO99
101	SN72301AFA	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A150	FP22
102	SN72301AJ	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	MP139
103	SN72301AL	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	TO99
104	SN72301AN	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	MP39h
105	SN72301AP	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A150	MP161
106	SN72307FA	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A151	FP22
107	SN72307JA	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A151	MP381
108	SN72307L	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A151	TO99
109	SN72307N	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A151	MP39h
110	SN72307P	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		87		70	07	A151	MP161

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP -+	CODE CKT.	DRAWINGS OUT-LINE Δ=MO
1#	TDA0301D	30	90m	30u	10m	70n	300n	24	500k	26	2.0kØ		88		70	28	A200a	MP355
2▼	uA301ADC	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A090	MP486b
3▼	uA301AHC	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A090	CN1d
4▼	uA301ATC	30	90m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A090	MP487
5	ZA801M1	30	90m†	50u			25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28		MP5bf
6	ZA802M1	30	90m†	50u			5.0p	30	100G†	20	7.0m	2.0MØ	100	6.0	100	28		MP5bf
7	ZA804M1	30	90m†	50u	Δ		25p	30	100G†	20	7.0m	4.0MØ	100	6.0	80	28		MP5bf
8	1424	30	90m	75u	15m§	2.0p§	50p§	20	1.0T†	20	10m	1.0MØ†	86	6.0 †	72	07		TO99
9	ULN2171D	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A174	TO99
10	ULN2171G	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A172	FP⧄
11	ULN2171H	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A173e	MP⧄
12	ULN2171M	30	95m		6.5m	30n	75n	24	2.0M	20	2.0kØ	10k	88	800m	80	59	A200a	MP⧄
13	LH2201AD	30	99m	15u	3.0m	20n	100n	24	1.5M	24	10kØ		94		80	28	A220	MP230b
14	LH2201AF	30	99m	15u	3.0m	20n	100n	24	1.5M	24	10kØ		94		80	28	A220	FP28a
15	AD741JH	30	99m	20u§	4.0mΔ	100n	400n	30 Δ	1.0M†	20	1.0kØ	1.0M†Ø	94	500m†	80	07	A174	TO99
16	AD741JN	30	99m	20u§	4.0mΔ	100n	400n	30 Δ	1.0M†	20	1.0kØ	1.0M†Ø	94	500m†	80	07	A200a	MP236
17	uA777CJ	30	99m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186b	MP139b
18	uA777CJG	30	99m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186c	MP401d
19	uA777CL	30	99m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186a	CN1k
20	uA777CN	30	99m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186b	MP598
21	uA777CP	30	99m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186c	MP267d
22	uA777CU	30	99m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	500m†	70	07	A186	Δ004AE
23	SN52741FA	30	100m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154	FP22
24	SN52741JA	30	100m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154	MP381
25	SN52741JP	30	100m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154	MP383
26	SN52747J	30	100m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0M†Ø	94	500m†	70	5C	A154a	MP139
27	uA4136DM	30	100m		6.0m	500n	1.5u	24	300k	24	10kØ	3.0MØ	94	1.5 Ø	70	5C		MP486b
28	SN72741FA	30	100m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A154	FP22
29	SN72747J	30	100m		7.5m	300n	800n	24	300k	24	10kØ	1.0M†Ø	94	500m†	70	07	A154a	MP139
30	SN72747N	30	100m		7.5m	300n	800n	24	300k	24	10kØ	1.0M†Ø	94	500m†	70	07	A154a	MP39h
31	uA4136DC	30	100m		7.5m	300n	800n	24	300k	24	10kØ	3.0MØ†	86	1.0 Ø	70	07		MP486b
32	uA4136PC	30	100m		7.5m	300n	800n	24	300k	24	10kØ	3.0MØ	86	1.0 Ø	70	07		MP252f
33	118A⧄	30	100m	10u	1.0m		5.0p	20	100G	20	10m	500k	88	500m	86			MP6n
34	218A	30	100m	10u	1.0m		5.0p	20	100G	20	10m	500k	88	500m	86			CN2
35	47B	30	100m	15u	Δ		2.0n⧄	22	100G†	20	40m	10M†Ø	100	50	100	28		MP5s
36	47T	30	100m	15u	Δ		2.0n⧄	22	100G†	20	40m	10M†Ø	100	50	100	58		MP5s
37	AD201AN	30	100m	15u	3.0m	20n	100n	30 Δ	1.5M	24	10kØ		93		80	07	A134	MP189
38	SN52777FA	30	100m	15u	3.0m	10n	75n	24	2.0M	24	10kØ		94	5.5 †	80	5C	A186	FP2t
39	SN52777JA	30	100m	15u	3.0m	10n	75n	24	2.0M	24	10kØ		94	5.5 †	80	5C	A186b	MP381
40	SN52777JP	30	100m	15u	3.0m	10n	75n	24	2.0M	24	10kØ		94	5.5 †	80	5C	A186a	MP383
41	SN52777L	30	100m	15u	3.0m	10n	75n	24	2.0M	24	10kØ		94	5.5 †	80	5C	A186a	TO99
42	118B	30	100m	25u	1.0m		5.0p	20	100G	20	10m	500k	88	500m	86			MP6n
43	218B	30	100m	25u	1.0m		5.0p	20	100G	20	10m	500k	88	500m	86			CN2
44	SN72777FA	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	5.5 †	70	07	A186	FP2t
45	SN72777JA	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	5.5 †	70	07	A186b	MP381
46	SN72777L	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	5.5 †	70	07	A186a	TO99
47	SN72777N	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	5.5 †	70	07	A186b	MP39h
48	SN72777P	30	100m	30u	5.0m	40n	200n	24	1.0M	24	10kØ		88	5.5 †	70	07	A186a	MP267
49	uA741T	30	100m	30u	6.0m	500n⧄	1.5u⧄	24	300k	20	2.0kØ		93	500m†	70	5C	A042k	CN1g
50	47S	30	100m	50u	Δ		2.0n⧄	22	100G†	20	40m	10MØ	100	50	100	58		MP5s
51	118C	30	100m	50u	2.0m		5.0p	20	100G	20	10m	500k	88	500m	86			MP6n
52	218C	30	100m	50u	2.0m		10p	20	100G	20	10m	500k	88	500m	86			CN2
53	CA580$	30	105m	200n§	20u§		150p§		100MØ	20	18m	8.0M	174	2.5		07	A307b	TO99
54	LM725AH	30	105m	2.0u	700u	4.0n⧄	70n⧄	27	1.5M†	24	10kØ		120		110	5C	A107	CN1d
55	RM725T	30	105m	2.0u†	1.0m	20n	100n	27	1.5M†	20	2.0kØ		130		120 †	5C	A107	TO99
56▼	RM725DE	30	105m	2.0u†	1.5m	40n	200n	27	1.5M†	20	2.0kØ		110		110	5C	A107	MP401j
57	LH0041G883	30	105m	3.0u†	5.0m	300n	1.0u	24	300k	26	100kØ	40k†	100	1.5	70	5C	A216	CN18c
58	LH0041G	30	105m	3.0u	5.0m	300n	1.0u	24	300k	26	100 Ø	40k⧄	88	1.5	70	5C	A216	CN18c
59	A570	30	105m	5.0u§	.80m§		15n§		2.0MØ	20	50m	30M	126	320		07	A307a	TO99
60	1426-03	30	105m	5.0u	1.0m§	5.0p§†	25p§	24	1.0T†	20	10m	1.0MØ	100	3.0	80	28	A317	TO99
61	OA104	30	105m	5.0u	1.0m§Δ		15p§†	24	10G†	20	2.0kØ		93	5.0	65	28		MP14t
62	AM725DM	30	105m	5.0u	1.5m	40n	200n	27	1.5M†	24	10kØ		100		110	5C	A173c	MP14ad
63	AM725HM	30	105m	5.0u	1.5m	40n	200n	27	1.5M†	24	10kØ		100		110	5C	A174b	TO99
64	LM725D	30	105m	5.0u	1.5m	20n⧄	100n⧄	27	1.5M†	24	10kØ		120		100	5C	A107	MP490
65	LM725H	30	105m	5.0u	1.5m	20n⧄	100n⧄	27	1.5M†	24	10kØ		120		100	5C	A107	CN1d
66	PM725J	30	105m	5.0u	1.5m	40n	200n	27	1.5M†	24	10kØ		120		110	5C	A356	TO99
67	PM725Y	30	105m	5.0u	1.5m	40n	200n	27	1.5M†	24	10kØ		120		110	5C	A356a	MP14ak
68	uA725HM	30	105m	5.0u	1.5m	40n	200n	27	1.5M†	24	10kØ		120		110	5C	A107	CN1d
69	1425-02	30	105m	10u	1.0m§	2.0p§†	5.0p§	24	1.0T†	20	10m	1.0MØ	100	3.0	80	28	A317	TO99
70	1426-02	30	105m	10u	1.0m§	5.0p§†	25p§	24	1.0T†	20	10m	1.0MØ	100	3.0	80	28	A317	TO99
71	F418A	30	105m	10u	1.0m§		1.0p§	20	1.0T	20	10m	500kØ	88	500m	80 †	5C		MP260
72	44K	30	105m	15u	Δ		1.0n⧄	22	100G†	20	40m	10M†Ø	100	50	80	28		MP5s
73	3001	30	105m†	20u§	Δ	100n§	100n§	20	1.0M†	20 †	4.0m†	2.0M§†	94 †	200m†	120 †	5A	A062	MP49
74	OA101	30	105m	20u	1.0m§Δ		15p§†	24	10G†	20	2.0kØ		93	5.0	65	28		MP14t
75	OA105	30	105m	20u	1.0m§Δ		75p§	24	100G†	20	2.0kØ		93	5.0	85	58		MP14t
76	OA107	30	105m	20u	1.0m§Δ		75p§	24	100G†	20	2.0kØ		93	5.0	85	58		MP14t
77	LH0042D883	30	105m	20u§	20m§	5.0p§	25p§	24	1.0T†	20	20m	1.0M†Ø	94	1.5	70	5C	A223	MP148
78	LH0042D	30	105m	20u§	20m§	5.0p§	25p§	24	1.0T†	20	20m	1.0M†Ø	94	1.5	70	5C	A223	MP490
79	LH0042F883	30	105m	20u§	20m§	5.0p§	25p§	24	1.0T†	20	20m	1.0M†Ø	94	1.5	70	5C	A223	FP18
80	LH0042F	30	105m	20u§	20m§	5.0p§	25p§	24	1.0T†	20	20m	1.0M†Ø	94	1.5	70	5C	A223	FP37
81	LH0042H883	30	105m	20u§	20m§	5.0p§	25p§	24	1.0T†	20	20m	1.0M†Ø	94	1.5	70	5C	A223	CN17g
82	LH0042H	30	105m	20u§	20m§	5.0p§	25p§	24	1.0T†	20	20m	1.0M†Ø	94	1.5	70	5C	A223	CN17g
83	1425-01	30	105m	25u	1.0m§	2.0p§†	5.0p§	24	1.0T†	20	10m	1.0MØ	100	3.0	80	28	A317	TO99
84	1426-01	30	105m	25u	1.0m§	5.0p§†	10p§	24	1.0T†	20	10m	1.0MØ	100	3.0	80	28	A317	TO99
85	F418B	30	105m	25u	1.0m§		1.0p§	20	1.0T	20	10m	500kØ	88	500m	80 †	5C		MP260
86	LH0021K883	30	105m	25u	5.0m	300n	1.0u	24	300k	27	100kØ	40k†	100	1.5	70	5C	A216	CN22d
87	LH0021K	30	105m	25u	5.0m	300n	1.0u	24	300k	27	100 Ø		88	1.5	70	5C	A216	CN22f
88	1421-02	30	105m	25u	15m§		10p§	24	1.0T†	20	20m	1.0MØ	94	3.0	80	28	A317	TO99
89	OA103	30	105m	45u	1.0m§Δ		25p§†	24	10G†	20	2.0kØ		93	5.0	65	28		MP14t
90	44J	30	105m	50u	Δ		2.0n⧄	22	100G†	20	40m	10M†Ø	100	50	80	28		MP5s
91	47A	30	105m	50u	Δ		2.0n⧄	22	100G†	20	40m	10M†Ø	100	50	100	28		MP5s
92	OA106	30	105m	50u	1.0m§Δ		75p§	24	100G†	20	2.0kØ		93	5.0	85	58		MP14t
93	OA108	30	105m	50u	1.0m§Δ		75p§	24	100G†	20	2.0kØ		93	5.0	85	58		MP14t
94	1425	30	105m	50u	2.0m§	5.0p§†	10p§	24	1.0T†	20	10m	1.0MØ	100	3.0	80	28	A317	TO99
95	1426	30	105m	50u	2.0m§	5.0p§†	25p§	24	1.0T†	20	10m	1.0MØ	100	3.0	72	28	A317	TO99
96	F418C	30	105m	50u	2.0m§		1.0p§	20	1.0T	20	10m	500kØ	88	500m	80 †	5C		MP260
97	1421	30	105m	50u	15m§		50p§	24	1.0T†	20	20m	1.0MØ	94	3.0	72	28	A317	TO99
98	1421-01	30	105m	50u	15m§		15p§	24	1.0T†	20	20m	1.0MØ	94	3.0	72	28	A317	TO99
99	OA102	30	105m	65u	1.0m§Δ		25p§†	24	10G†	20	2.0kØ		93	5.0	65	28		MP14t
100	OA109	30	105m	100u	5.0m§Δ		100p§	24	100G†	20	2.0kØ		93	5.0	65	28		MP14t
101	CA3060AD*†	30	108m		5.0m§	1.0u§	5.0u§	24	10k	24	150u	110k†		8.0 †	70	5C	A180	Δ001AE
102	CA3060BD*†	30	108m		5.0m§	1.0u§	5.0u§	24	10k	24	150u	110k†		8.0 †	70	5C	A180	Δ001AE
103	CA3060E*†	30	108m		5.0m§	1.0u§	5.0u§	24	10k	24	150u	110k†		8.0 †	70	48	A180	Δ001AC
104	LM148D	30	108m		6.0m	75n	325n	24	800k	24	10kØ	1.0MØ†	94	500m†	70	5C	A341	MP490
105	LM149D	30	108m		6.0m	75n	325n	24	800k	24	10kØ	4.0M§†	94	2.0 †	70	5C	A341	MP490
106▼	LM149J*	30	108m		6.0m	75n	325n	24	800k	24	10kØ	4.0M†	96	2.0 †	70	5C	A300	MP319j
107▼	LM149N*	30	108m		6.0m	75n	325n	24	800k	24	10kØ	4.0M†	96	2.0 †	70	5C	A300	MP39d
108	uA148DM	30	108m		6.0m	75n	325n	24	800k	24	10kØ	1.0MØ	94	500m†	70	5C	A341	
109	uA148FM	30	108m		6.0m	75n	325n	24	800k	24	10kØ	1.0MØ	94	500m†	70	5C	A341	
110	uA148JM	30	108m		6.0m	75n	325n	24	800k	24	10kØ	1.0MØ	94	500m†	70	5C	A341	

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TC EO MD PE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	uA149DM	30	108m		6.0m	75n	325n	24	800k	24	10kØ	4.0M§	94	2.0 †	70	5C	A341	
2	uA149FM	30	108m		6.0m	75n	325n	24	800k	24	10kØ	4.0M§	94	2.0 †	70	5C	A341	
3	uA149JM	30	108m		6.0m	75n	325n	24	800k	24	10kØ	4.0M§	94	2.0 †	70	5C	A341	
4	MC1709AF	30	108m	10u	3.0m	50n⧄	600n⧄	16	85k	24	10kØ		88		80	5C	A043	TO91
5	MC1709AG	30	108m	10u	3.0m	50n⧄	600n⧄	16	85k	24	10kØ		88		80	5C	A043	CN1p
6	MC1709AL	30	108m	10u	3.0m	50n⧄	600n⧄	16	85k	24	10kØ		88		80	5C	A043	TO116
7#	SFC2709AP	30	108m	10u§	3.0m	250n⧄	600n⧄	16	350k	24	10kØ		87	250m†	80	5C	A003	TO91
8	SN52709AFA	30	108m	10u	3.0m	250n⧄	600n⧄	16	350k	24	10kØ		93 †		80	5C	A003	FP2t
9	SN52709AJ	30	108m	10u	3.0m	250n⧄	600n⧄	16	350k	24	10kØ		93 †		80	5C	A003	TO116
10	SN52709AJA	30	108m	10u	3.0m	250n⧄	600n⧄	16	350k	24	10kØ		93 †		80	5C	A003	MP381
11	SN52709AJP	30	108m	10u	3.0m	250n⧄	600n⧄	16	350k	24	10kØ		93 †		80	5C	A003	MP383
12	SN52709AL	30	108m	10u	3.0m	250n	600n	16	350k	24	10kØ		93		80	5C	A003	TO99
13	uA709AMJ	30	108m	10u	3.0m	50n§	200n§	16	350k	24	10kØ		93		80	5C	A003	MP139b
14	uA709AMJG	30	108m	10u	3.0m	50n§	200n§	16	350k	24	10kØ		93		80	5C	A003	MP401d
15	uA709AML	30	108m	10u	3.0m	50n§	200n§	16	350k	24	10kØ		93		80	5C	A003	CN1k
16	uA709AMU	30	108m	10u	3.0m	50n§	200n§	16	350k	24	10kØ		93		80	5C	A003	Δ004AE
17	UA709AMU	30	108m	10u	3.0m	50n§	300n§	16	350k	24	10kØ		93		80	5C	A003	Δ004AE
18	LM709AH	30	108m	15u⧄	3.0m	250n⧄	600n⧄	16	350k	24	10kØ		88	250m†	80	5C	A003	CN1d
19	LM709AJ	30	108m	25u⧄	3.0m	250n	600n	16	350k	24	10kØ		88	250m†	80	5C	A003	MP319b
20	uA709ADM	30	108m	25u	3.0m	250n	600n	16	350k	24	10kØ		88		80	5C	A003	MP486b
21	uA709AFM	30	108m	25u	3.0m	250n	600n	16	350k	24	10kØ		88		80	5C	A003	FP2w
22	uA709AHM	30	108m	25u	3.0m	250m	600n	16	350k	24	10kØ		88		80	5C	A003	CN1d
23	HA1-2620	30	111m		6.0m	35n	35n	22	65M	20	30m	100M§†	100	25	80	5C	A232	TO116
24	HA2-2620	30	111m		6.0m	35n	35n	22	65M	20	30m	100M§†	100	25	80	5C	A232	TO99
25	HA1-2620-2	30	111m		7.0m	35n	35n	22	65M	20	30m	100M†§	100	25	80	5C	A232	MP151d
26	HA2-2620-2	30	111m		7.0m	35n	35n	22	65M	20	30m	100M†§	100	25	80	5C	A232	TO99
27	HA9-2620-2	30	111m		7.0m	35n	35n	22	65M	20	30m	100M†§	100	25	80	5C	A232	TO91
28	MC3358G	30	111m		10m	250n	1.0u	27	300k	24	10kØ	9.0k†⧄	86	600m†	70	48	A292a	TO99
29	MC3358P1	30	111m		10m	250n	1.0u	27	300k	24	10kØ	9.0k†⧄	86	600m†	70	48	A292a	MP161
30	MC3358U	30	111m		10m	250n	1.0u	27	300k	24	10kØ	9.0k†⧄	86	600m†	70	48	A292a	MP401a
31	MC3458G	30	111m		12m	200n	800n	28	300k	24	10kØ	9.0k†⧄	86	600m†	70	07	A292a	TO99
32	MC3458P1	30	111m		12m	200n	800n	28	300k	24	10kØ	9.0k†⧄	86	600m†	70	07	A292a	MP161
33	MC3458U	30	111m		12m	200n	800n	28	300k	24	10kØ	9.0k†⧄	86	600m†	70	07	A292a	MP401a
34	HA1-2600-2	30	111m	5.0u†	6.0m	30n	30n	22	100M	20	30m	12MØ†	100	4.0	80	5C	A232	MP151d
35	HA2-2600	30	111m	5.0u†	6.0m	30n	30n	22	100M	20	30m	12MØ†	100	4.0	80	5C	A232	TO99
36	HA2-2600-2	30	111m	5.0u†	6.0m	30n	30n	22	100M	20	30m	12MØ†	100	4.0	80	5C	A232	TO99
37	HA9-2600	30	111m	5.0u†	6.0m	30n	30n	22	100M	20	30m	12MØ†	100	4.0	80	5C	A232	TO91
38	HA9-2600-2	30	111m	5.0u†	6.0m	30n	30n	22	100M	20	30m	12MØ†	100	4.0	80	5C	A232	TO91
39▼	HA3-2607	30	111m	30u	8.0m	50n	50n	20	40M	20	20m	12M	100	4.0	74	07	A232	MP549
40▼	HA3-2627	30	111m	30u	8.0m	50n	50n	20	40M	20	20m	100M	100	17	74	07	A232	MP549
41	OA125	30	115m	10u	3.0m§	250n§			5.0k	4.6	100 Ø	6.0M	100	180		28		MP339
42	FS125	30	115m	25u	5.0m	2.5u			10k	4.6	100 Ø	4.0M	100	250		07		MP339
43	SN72771L	30	120m		1.4m	14n	40n	22	100M†	22	2.0kØ	1.3M†Ø	90	2.5 †	70	07	A185	TO99
44	RM709BL	30	120m		4.0m	300n	1.0u	16	220k	24	10 Ø	1.0MØ†	88	400m†	70	5C	A003	CH46
45	MCCF3503*	30	120m		5.0m§	50n§	500n§	30 Δ		20	2.0kØ		94		70	5C	A300	CH39
46	RM3503DC*	30	120m		5.0m§	50n§	500n§	36 Δ		26	2.0kØ	1.0MØ†	94	600m†	70	5C	A300	MP153g
47	MC4741L	30	120m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70		A014	TO116
48	MC4741P	30	120m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70		A014	MP307
49	RM3503ADC*	30	120m		6.0m	200n	800n	36 Δ		26	2.0kØ	1.0M†Ø	94	2.0 †	70	5C	A333	MP153g
50	HA1-2602-2	30	120m		7.0m	60n	60n	22	40M	20	20m	12MØ†	98	4.0	74	5C	A232	MP151d
51	HA1-2605-5	30	120m		7.0m	40n	40n	22	40M	20	20m	12MØ†	98	4.0	74	07	A232	MP151d
52	HA1-2622	30	120m		7.0m	60n	60n	22	40M	20	20m	100M§†	98	20	74	5C	A232	TO116
53	HA1-2622-2	30	120m		7.0m	60n	60n	22	40M	20	20m	100M†§	98	20	74	5C	A232	MP151d
54	HA1-2625	30	120m		7.0m	40n	40n	22	40M	20	20m	100M§†	98	20	74	07	A232	TO116
55	HA1-2625-5	30	120m		7.0m	40n	40n	22	40M	20	20m	100M†§	98	20	74	07	A232	MP151d
56	HA2-2602	30	120m		7.0m	60n	60n	22	40M	20	20m	12MØ†	98	4.0	74	5C	A232	TO99
57	HA2-2602-2	30	120m		7.0m	60u	60u	22	40M	20	20m	12MØ†	98	4.0	74	5C	A232	TO99
58	HA2-2605	30	120m		7.0m	40n	40n	22	40M	20	20m	12MØ†	98	4.0	74	07	A232	TO99
59	HA2-2605-5	30	120m		7.0m	40n	40n	22	40M	20	20m	12MØ†	98	4.0	74	07	A232	TO99
60	HA2-2622	30	120m		7.0m	60n	60n	22	40M	20	20m	100M†§	98	20	74	5C	A232	TO99
61	HA2-2622-2	30	120m		7.0m	60u	60n	22	40M	20	20m	100M§†	98	20	74	5C	A232	TO99
62	HA2-2625	30	120m		7.0m	40n	40n	22	40M	20	20m	100M§†	98	20	74	07	A232	TO99
63	HA2-2625-5	30	120m		7.0m	40n	40n	22	40M	20	20m	100M†§	98	20	74	07	A232	TO99
64	HA9-2602	30	120m		7.0m	60n	60n	22	40M	20	20m	12MØ†	98	4.0	74	5C	A232	TO91
65	HA9-2602-2	30	120m		7.0m	60n	60n	22	40M	20	20m	12MØ†	98	4.0	74	5C	A232	TO91
66	HA9-2605-5	30	120m		7.0m	40n	40n	22	40M	20	20m	12MØ†	98	4.0	74	07	A232	TO91
67	HA9-2622-2	30	120m		7.0m	60n	60n	22	40M	20	20m	100M†§	98	20	74	5C	A232	TO91
68	HA9-2625-5	30	120m		7.0m	40n	40n	22	40M	20	20m	100M†§	98	20	74	07	A232	TO91
69	SN52770FA	30	120m		7.0m	5.0n	35n	24	100M†	24	2.0kØ			2.5 †		5C	A184	FP22
70	SN52770JA	30	120m		7.0m	5.0n	35n	24	100M†	24	2.0kØ			2.5 †		5C	A184	MP381
71	SN52770JP	30	120m		7.0m	5.0n	35n	24	100M†	24	2.0kØ			2.5 †		5C	A184	MP383
72	SN52771FA	30	120m		7.0m	5.0n	35n	24		24	2.0kØ	1.3MØ†	94	2.5 †	80	5C	A185	FP22
73	SN52771JA	30	120m		7.0m	5.0n	35n	24		24	2.0kØ	1.3MØ†	94	2.5 †	80	5C	A185	MP381
74	SN52771JP	30	120m		7.0m	5.0n	35n	24		24	2.0kØ	1.3MØ†	94	2.5 †	80	5C	A185	MP383
75	MC1456CG	30	120m		12m§	30n§	90n§	21	3.0M†	20	2.0kØ	1.0MØ†	88	2.5 †	110 †	07	A100	CN1k
76	MC1456CL	30	120m		12m§	30n§	90n§	21	3.0M†	20	2.0kØ	1.0MØ†	88	2.5 †	110 †	07	A100	TO116
77	SG1456CT	30	120m		12m§	30n§	90n§	21	3.0M†	20	2.0kØ	1.8MØ†	88	3.0 †	110 †	07	A100	TO99
78	SN72770FA	30	120m		14m	14n	40n	22	100M†	22	2.0kØ			2.5 †		07	A184	FP22
79	SN72770JA	30	120m		14m	14n	40n	22	100M†	22	2.0kØ			2.5 †		07	A184	MP381
80	SN72770L	30	120m		14m	14n	40n	22	100M†	22	2.0kØ	1.3M†Ø	90	2.5 †	70	07	A184	TO99
81	SN72770N	30	120m		14m	14n	40n	22	100M†	22	2.0kØ	1.3M†Ø	90	2.5 †	70	07	A184	MP39h
82	SN72770P	30	120m		14m	14n	40n	22	100M†	22	2.0kØ	1.3MØ†	90	2.5 †	70	07	A184	MP267
83	SN72771FA	30	120m		14m	14n	40n	22		22	2.0kØ	1.3MØ†	91	2.5 †	70	07	A185	FP22
84	SN72771JA	30	120m		14m	14n	40n	22		22	2.0kØ	1.3MØ†	91	2.5 †	70	07	A185	MP381
85	SN72771N	30	120m		14m	14n	40n	22	100M†	22	2.0kØ	1.3M†Ø	90	2.5 †	70	07	A185	MP39h
86	SN72771P	30	120m		14m	14n	40n	22	100M†	22	2.0kØ	1.3M†Ø	90	2.5 †	70	07	A185	MP267
87	350L	30	120m	500n	Δ	3.0p†§	5.0p§†	20 †	10T†	20 †	10m†	600kØ†	100	500m†	80 †	28	A265	MP5f
88	OP07AJ	30	120m	600n	60u	4.0n	4.0n	26	30M	25	10kØ	600kØ†	109	170m†	110	5C	A174a	TO99
89	OP07AL	30	120m	600n	60u	4.0n	4.0n	26	30M	25	10kØ	600kØ†	109	170m†	110	5C	A261a	FP27
90	OP07AY	30	120m	600n	60u	4.0n	4.0n	26	30M	25	10kØ	600kØ†	109	170m†	110	5C	A173c	MP14ac
91	AMSSS725AJ	30	120m	800n	180u	4.0n	120n	27	800k	25	10kØ		120		120	5C	A174a	TO99
92	SSS725AJ	30	120m	800n	180u	4.0n⧄	120n⧄	27	800k	25	10kØ		120		120	5C	A356	TO99
93	SSS725AL	30	120m	800n	180u	4.0n⧄	120n⧄	27	800k	25	10kØ		120		120	5C	A356b	FP2y
94	SSS725AY	30	120m	800n	180u	4.0n⧄	120n⧄	27	800k	25	10kØ		120		120	5C	A356a	MP14ak
95	OP05AJ	30	120m	900n	240u	4.0n	4.0n	27	30M	25	10kØ	600kØ†	109	170m†	114	5C	A261a	TO99
96	OP05AL	30	120m	900n	240u	4.0n	4.0n	27	30M	25	10kØ	600kØ†	109	170m†	114	5C	A261a	FP2y
97	OP05AY	30	120m	900n	240u	4.0n	4.0n	27	30M	25	10kØ	600kØ†	109	170m†	114	5C	A261a	MP14ak
98	3521L	30	120m	1.0u	250u§	2.0p†§	10p§	20	100G†	20	20m	1.5M†Ø	100	1.0	90 †	07		TO99
99	OP07EJ	30	120m	1.3u	130u	5.3n	5.5n	26	15M	25	10kØ	600kØ†	106	170m†	106	07	A174a	TO99
100	OP07EY	30	120m	1.3u	130u	5.3n	5.5n	26	15M	25	10kØ	600kØ†	106	170m†	106	07	A173c	MP14ac
101	uA714EHC	30	120m	1.3u	130u	5.3n	5.5n	26	15M	25	10kØ	1.2MØ	106	250m†	106	06	A174q	CN1d
102	OP07J	30	120m	1.3u	200u	5.6n	6.0n	26	20M	25	10kØ	600kØ†	106	170m†	110	5C	A174a	TO99
103	OP07L	30	120m	1.3u	200u	5.6n	6.0n	26	20M	25	10kØ	600kØ†	106	170m†	110	5C	A261a	FP27
104	OP07Y	30	120m	1.3u	200u	5.6n	6.0n	26	20M	25	10kØ	600kØ†	106	170m†	110	5C	A173c	MP14ac
105	uA714HM	30	120m	1.3u	200u	5.6n	6.0n	26	20M	25	10kØ	1.2MØ	106	250m†	110	5C	A174g	CN1d
106	3521K	30	120m	2.0u	250u§	2.0p†§	15p§	20	100G†	20	20m	1.5M†Ø	100	1.0	90 †	07		TO99
107	AMSSS725EJ	30	120m	2.0u	600u	7.0n	100n	27	700k	25	10kØ		120		120	07	A174a	TO99
108	OP05EJ	30	120m	2.0u	600u	5.3n	5.5n	27	15M	25	10kØ	600kØ†	101	170m†	110	07	A261a	TO99
109	OP05EY	30	120m	2.0u	600u	5.3n	5.5n	27	15M	25	10kØ	600kØ†	101	170m†	110	07	A261a	MP14ak
110	OP10EY*	30	120m	2.0u	600u	5.3n	5.5n	26	15M	25	10kØ	600kØ†	106	170m†	106	07	A261	MP14ak

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				INPUT CHARACTERISTICS MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	MAX VOLTAGE 3 DRFT (V/°C)	MAX VOLTAGE 4 OFST (V)	MAX CURRENT OFFSET (A)	MAX CURRENT BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1	SSS725EJ	30	120m	2.0u	600u	7.0n☐	100m☐	27	700k	25	10kØ		120		120	07	A356	TO99
2	SSS725EY	30	120m	2.0u	600u	7.0n☐	100m☐	27	700k	25	10kØ		120		120	07	A173c	MP14ak
3	OP05J	30	120m	2.0u	700u	5.6n	6.0n	27	20M	25	10kØ	600kØ†	101	170m†	114	5C	A261a	TO99
4	OP05L	30	120m	2.0u	700u	5.6n	6.0n	27	20M	25	10kØ	600kØ†	101	170m†	114	5C	A261a	FP2y
5	OP05Y	30	120m	2.0u	700u	5.6n	6.0n	27	20M	25	10kØ	600kØ†	101	170m†	114	5C	A261a	MP14ak
6	OP10AY*	30	120m	2.0u	700u	5.6n	6.0n	26	20M	25	10kØ	600kØ†	106	170m†	110	5C	A261	MP14ak
7	OP10Y*	30	120m	2.0u	700u	5.6n	6.0n	26	20M	25	10kØ	600kØ†	106	170m†	110	5C	A261	MP14ak
8	SSS725J	30	120m	2.0u	700u	18n☐	180n☐	27	700k	25	10kØ		120		120	5C	A356	TO99
9	SSS725L	30	120m	2.0u	700u	18n☐	180n☐	27	700k	25	10kØ		120		120	5C	A356b	FP2y
10	SSS725Y	30	120m	2.0u	700u	18n☐	180n☐	27	700k	25	10kØ		120		120	5C	A173c	MP14ak
11	uA725AHM	30	120m	2.0u	750u	18n	180n	27	1.5M†	25	10kØ		120		120	5C	A107	CN1d
12	AMSSS725BJ	30	120m	2.8u	1.0m	14n	150n	27	700k	25	10kØ		120		110	28	A174a	TO99
13	SSS725BJ	30	120m	2.8u	1.0m	14n☐	150n☐	27	700k	25	10kØ		120		110	28	A356	TO99
14	SSS725BL	30	120m	2.8u	1.0m	14n☐	150n☐	27	700k	25	10kØ		120		110	28	A356b	FP2y
15	SSS725BY	30	120m	2.8u	1.0m	14n☐	150n☐	27	700k	25	10kØ		120		110	28	A356a	MP14ak
16	AD510J	30	120m	3.0u	100u	8.0n	40n	20	4.0M†	20	10m	300kØ	108	100m	94	07		TO99
17	AD508JH	30	120m	3.0u	2.5m§	8.0n	40n	30 △	4.0M†	20	20m	300k†Ø	88	120m†	94	07	A071	TO99
18	118K	30	120m	5.0u	△	3.0n	35n	20	1.0M	20	10m	1.5MØ	108	6.0	86	16		MP5bn
19	350K	30	120m	5.0u	△	3.0p†§	5.0p§†	20 †	10T†	20 †	10m†	600kØ†	100	500m†	80 †	28	A265	MP5f
20	3521J	30	120m	5.0u	250u§	2.0p†§	20p§	20	100G†	20	20m	1.5M†Ø	100	1.0	90 †	07		TO99
21	3521R	30	120m	5.0u	250u§	2.0p†§	20p§	20	100G†	20	20m	1.5M†Ø	100	1.0	90 †	07		TO99
22	OP15EJ	30	120m	5.0u	750u	550p	750p	21	1.0T†	22	2.0kØ	14MØ†	100	10	86	07	A174	TO99
23	OP15AJ	30	120m	5.0u	900u	7.0n	9.0n	21	1.0T†	22	2.0kØ	14MØ†	100	10	86	5C	A174	TO99
24	LF155ADE	30	120m	5.0u	2.0m§	10p§	50p§	22	1.0T	24	10kØ	2.5MØ†	94	5.0 †	85	5C		MP401j
25▼	LF155AT	30	120m	5.0u	2.0m§	10p§	50p§	22	1.0T†	24	10kØ	2.5M§†	94	3.0	85	5C	A418	CN1g
26	LF156ADE	30	120m	5.0u	2.0m§	10p§	50p§	22	1.0T	24	10kØ	4.5MØ†	94	12 †	85	5C		MP401j
27	LF157ADE	30	120m	5.0u	2.0m§	10p§	50p§	22	1.0T	24	10kØ	10MØ†	94	50 †	85	5C		MP401j
28	LF355ADE	30	120m	5.0u	2.0m§	10p§	50p§	22	1.0T	24	10kØ	2.5MØ†	94	5.0 †	85	07		MP401j
29▼	LF355AT	30	120m	5.0u	2.0m§	10p§	50p§	22	1.0T†	24	10kØ	2.5M§†	94	3.0	85	07	A418	CN1g
30	LF356ADE	30	120m	5.0u	2.0m§	10p§	50p§	22	1.0T	24	10kØ	4.5MØ†	94	12 †	85	07		MP401j
31	LF357ADE	30	120m	5.0u	2.0m§	10p§	50p§	22	1.0T	24	10kØ	20MØ†	94	50 †	85	07		MP401j
32	uAF355AHC	30	120m	5.0u†	2.0m	10p§	50p§	22	1.0T†	24	10kØ	2.5MØ	94	5.0 †	85	07	A327	CN1d
33▼	LD355A	30	120m	5.0u	2.3m	10p§	50p§	22	1.0T†	24	10kØ	2.5M†§	106 †	3.0	85	07	A349	CH☐
34	LF355AH	30	120m	5.0u	2.3m	10p	50p	22	1.0T	24	10kØ	2.5M§†	94	3.0	85	07	A349a	CN1d
35	LF355AJG	30	120m	5.0u	2.3m	1.0n	5.0n	20	1.0T†	24	10kØ	2.5MØ†	94	3.0	85	07	A349	MP401d
36	LF355AL	30	120m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10kØ	2.5MØ†	94	3.0	85	07	A349a	CN1k
37▼	LF355AN	30	120m	5.0u	2.3m	1.0n	5.0n	22	10T†	24	10kØ	2.5M†§	96	3.0	85	07	A349	MP267d
38	LF355AP	30	120m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10kØ	2.5MØ†	94	3.0	85	07	A349	MP267d
39	PM355AJ	30	120m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	20	2.0kØ	2.5M§	94	3.0	85	07	A174	TO99
40	AD504JH	30	120m	5.0u	2.5m	40n	200n	20		24	5.0m	300k	105	120m	94	07		TO99
41	AD504JN	30	120m	5.0u	2.5m	40n	200n	20		24	5.0m	300k	105	120m	94	07		MP236
42▼	LD155A	30	120m	5.0u	2.5m	10p§	50p§	22	1.0T†	24	10kØ	2.5M†§	106 †	3.0	85	5C	A349	CH☐
43▼	LF155AF	30	120m	5.0u	2.5m	10n	25n	22	10T†	24	10kØ	2.5M†§	96	3.0	85	5C	A349b	FP2z
44	LF155AH	30	120m	5.0u	2.5m	10p	50p	22	1.0T	24	10kØ	2.5M†§	94	3.0	85	5C	A349a	CN1d
45	LF155AJG	30	120m	5.0u	2.5m	10n	25n	22	1.0T†	24	10kØ	2.5MØ†	94	3.0	85	5C	A349	MP401d
46	LF155AL	30	120m	5.0u	2.5m	10n	25n	22	1.0T†	24	10kØ	2.5MØ†	94	3.0	85	5C	A349a	CN1k
47	PM155AJ	30	120m	5.0u	2.5m	10n	25n	22	1.0T†	20	2.0kØ	2.5M§	94	3.0	85	5C	A174	TO99
48	uAF155AHM	30	120m	5.0u†	3.0m	10p§	50p§	22	1.0T†	24	10kØ	2.5MØ	94	5.0 †	85	5C	A327	CN1d
49	uAF155HM	30	120m	5.0u†	3.0m	20p§	100p§	22	1.0T†	24	10kØ	2.5MØ	94	5.0 †	85	5C	A327	CN1d
50	LF155DE	30	120m	5.0u	5.0m§	20p§	100p§	22	1.0T	24	10kØ	2.5MØ†	94	5.0 †	85	5C		MP401j
51▼	LF155T	30	120m	5.0u	5.0m§	20p§	100p§	22	1.0T†	24	10kØ	2.5M§†	94	5.0 †	85	5C	A418	CN1g
52	LF156DE	30	120m	5.0u	5.0m§	20p§	100p§	22	1.0T	24	10kØ	4.5MØ†	94	12 †	85	5C		MP401j
53	LF157DE	30	120m	5.0u	5.0m§	20p§	100p§	22	1.0T	24	10kØ	20MØ†	94	50 †	85	5C		MP401j
54▼	LF255T	30	120m	5.0u	5.0m§	20p§	100p§	22	1.0T†	24	10kØ	2.5M§†	94	5.0 †	85	28	A418	CN1g
55▼	LF255DE	30	120m	5.0u†	6.5m	1.0n	5.0n	22	10T†	24	10kØ	2.5M†§	96	5.0 †	85	28	A349	MP659
56	LF255H	30	120m	5.0u†	6.5m	20p	100p	22	1.0T	24	10kØ	2.5M§†	94	5.0 †	85	28	A349a	CN1d
57▼	LF255J	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	2.5M†§	91	5.0 †	85	28	A349	MP401a
58	LF255JG	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	2.5MØ†	94	5.0 †	85	28	A349	MP401d
59	LF255L	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	2.5MØ†	94	5.0 †	85	28	A349a	CN1k
60▼	LF255N	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	2.5M†§	91	5.0 †	85	28	A349	MP161a
61	LF255P	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	2.5MØ†	94	5.0 †	85	28	A349	MP267d
62	LF256JG	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	4.5MØ†	94	7.5	85	28	A349	MP401d
63	LF256L	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	4.5MØ†	94	7.5	85	28	A349a	CN1k
64	LF256P	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	4.5MØ†	94	7.5	85	28	A349	MP267d
65	LF257JG	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	20MØ†	94	30	85	28	A349	MP401d
66	LF257L	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	20MØ†	94	30	85	28	A349a	CN1k
67	LF257P	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	24	10kØ	20MØ†	94	30	85	28	A349	MP267d
68▼	LF355BH	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	2.5M†§	91	5.0 †	85	07	A349a	CN1d
69▼	LF355BJ	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	2.5M†§	91	5.0 †	85	07	A349	MP401a
70▼	LF355BN	30	120m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	2.5M†§	91	5.0 †	85	07	A349	MP161a
71	PM255J	30	120m	5.0u	6.5m	1.0n	5.0n	22	1.0T†	20	2.0kØ	2.5M§	94	5.0	85	28	A174	TO99
72▼	LD155	30	120m	5.0u†	7.0m	20p§	100p§	22	1.0T†	24	10kØ	2.5M†§	106 †	5.0 †	85	5C	A349	CH☐
73▼	LF155F	30	120m	5.0u†	7.0m	20n	50n	22	10T†	24	10kØ	2.5M†§	96	5.0 †	85	5C	A349b	FP2z
74	LF155H	30	120m	5.0u†	7.0m	20p	100p	22	1.0T	24	10kØ	2.5M†§	94	5.0 †	85	5C	A349a	CN1d
75▼	LF155J	30	120m	5.0u†	7.0m	20n	50n	22	1.0T†	20	10m	2.5M†§	91	5.0 †	85	5C	A349	MP401a
76	LF155JG	30	120m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10kØ	2.5MØ†	94	5.0 †	85	5C	A349	MP401d
77	LF155L	30	120m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10kØ	2.5MØ†	94	5.0 †	85	5C	A349a	CN1k
78	LF157L	30	120m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10kØ	20MØ†	94	30	85	5C	A349a	CN1k
79	PM155J	30	120m	5.0u	7.0m	20n	50n	22	1.0T†	20	2.0kØ	2.5M§	94	5.0	85	5C	A174	TO99
80	LH0041CG	30	120m	5.0u	7.5m	500n	1.0u	24	300k	26	100 Ø	40k☐	86	1.0	70	28	A216	CN18c
81	LH0041CJ	30	120m	5.0u	7.5m	500n	1.0u	24	300k	26	100 Ø	40k☐	86	1.0	70	28	A216	MP334
82	LF355DE	30	120m	5.0u	10m§	50p§	200p§	22	1.0T	24	10kØ	2.5MØ†	94	5.0 †	85	07		MP401j
83▼	LF355T	30	120m	5.0u	10m§	50p§	200p§	20	1.0T†	24	10kØ	2.5M§†	88	5.0 †	80	07	A418	CN1g
84	LF356DE	30	120m	5.0u	10m§	50p§	200p§	22	1.0T	24	10kØ	4.5MØ†	94	12 †	85	07		MP401j
85	LF357DE	30	120m	5.0u	10m§	50p§	200p§	22	1.0T	24	10kØ	20MØ†	94	50 †	85	07		MP401j
86	uAF355HC	30	120m	5.0u†	10m	50p§	200p§	20	1.0T†	24	10kØ	2.5MØ	94	5.0 †	85	07	A327	CN1d
87▼	LD355	30	120m	5.0u†	13m	50p§	200p§	22	1.0T†	24	10kØ	2.5M†§	106 †	5.0 †	80	07	A349	CH☐
88	LF355H	30	120m	5.0u†	13m	50p	200p	20	1.0T	24	10kØ	2.5M§†	88	5.0 †	80	07	A349a	CN1d
89▼	LF355J	30	120m	5.0u†	13m	2.0n	8.0n	20	1.0T†	20	10m	2.5M†§	85	5.0 †	80	07	A349	MP401a
90	LF355JG	30	120m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	2.5MØ†	88	5.0 †	80	07	A349	MP401d
91	LF355L	30	120m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	2.5MØ†	88	5.0 †	80	07	A349a	CN1k
92	LF355N	30	120m	5.0u†	13m	50p	200p	20	1.0T	24	10kØ	2.5M§†	88	5.0 †	80	07	A349	MP491
93	LF355P	30	120m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	2.5MØ†	88	5.0 †	80	07	A349	MP267d
94	PM355J	30	120m	5.0u	13m	2.0n	8.0n	20	1.0T†	20	2.0kØ	2.5M§	88	5.0	80	07	A174	TO99
95	uA102HM	30	120m	6.0u†	7.5m	100n			10G	20	8.0kØ			30		5C	A122	CN1d
96	HA1-2655	30	120m	8.0u†	7.0m	100n	300n	26	5.0M	26	10kØ	30k☐	86	2.0	74	07	A283	TO116
97	HA2-2655	30	120m	8.0u†	7.0m	100n	300n	26	5.0M	26	10kØ	30k☐	86	2.0	74	07	A283	TO99
98	1121	30	120m†	10u	△	10n§	100n§	20 †	1.0M	20	10m	1.5M†§	106 †	2.0 †	86 †	28	A136	MP199k
99	3521H	30	120m	10u	500u§	2.0p†§	20p§	20	100G†	20	20m	1.5M†Ø	93	1.0	90 †	07		TO99
100	OP15FJ	30	120m	10u	1.5m	800p	1.1n	21	1.0T†	22	2.0kØ	13MØ†	98	7.5	86	07	A174	TO99
101	OP15BJ	30	120m	10u	2.0m	11n	14n	21	1.0T†	22	2.0kØ	13MØ†	98	7.5	86	5C	A174	TO99
102	AM725HL	30	120m	10u	2.5m	40n☐	400n☐	27	3.0m†	24	10kØ		83		100	28	A071	TO99
103	MC3503L*	30	120m	10u†	6.0m	200n	1.5u	30 △	300k	24	10kØ	1.0M†	94	.60 †	70	5C	A292	TO116
104	XR3503M*	30	120m	10u	6.0m	200n	1.5u	28 §	300k	24	10kØ	1.0M†	94	600m†	70	5C	A300	MP402
105	TL081ACJG	30	120m	10u†	7.5m	1.0n	6.0n	24	1.0G	24	10kØ		88	9.0	70	07	A361	MP401d
106	TL081ACL	30	120m	10u†	7.5m	1.0n	6.0n	24	1.0G	24	10kØ		88	9.0	70	07	A361a	CN1k
107	TL081ACP	30	120m	10u†	7.5m	1.0n	6.0n	24	1.0G	24	10kØ		88	9.0	70	07	A361	MP267d
108	uA798HC*	30	120m	10u	7.5m	200n	400n	28	300k	26	10kØ	1.0M†Ø	86	600m	70	07	A339	CN1d
109	uA798RC*	30	120m	10u	7.5m	200n	400n	28	300k	26	10kØ	1.0M†Ø	86	600m	70	07	A339	MP401b
110	uA798TC*	30	120m	10u	7.5m	200n	400n	28	300k	26	10kØ	1.0M†Ø	86	600m	70	07	A339	MP487a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TC EO MD PE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	TL081CJG	30	120m	10u†	20m	1.0n	6.0n	20	1.0G	24	10kØ		88	9.0	70	07	A361	MP401d
2	TL081CL	30	120m	10u†	20m	1.0n	6.0n	20	1.0G	24	10kØ		88	9.0	70	07	A361a	CN1k
3	TL081CP	30	120m	10u†	20m	1.0n	6.0n	20	1.0G	24	10kØ		88	9.0	70	07	A361	MP267d
4	350J	30	120m	15u	Δ	3.0p†§	5.0p§†	20 †	10T†	20 †	10m†	600kØ†	100	500m†	80 †	28	A265	MP5f
5	AM462-1	30	120m	15u†	Δ	40n	40n	22	40M	20	20m	100MØ†	98	20	74	07	A228	TO116
6	AM462-2	30	120m	15u†	Δ	40n	40n	22	40M	20	20m	100MØ†	98	20	74	07	A228	TO99
7▼	RM709CQ	30	120m	15u	4.0m	300n	1.0m	16	50k	20	2.0kØ			150m	70	5C	A003	FP2z
8	RM709DC	30 ♦	120m	15u	4.0m	300n	1.0u	16	400k†	24	10kØ	1.0MØ†	88	400m†	70	5C	A003	MP153g
9	RM709Q	30 ♦	120m	15u	4.0m	300n	1.0u	16	400k†	24	10kØ	1.0MØ†	88	400m†	70	5C	A003	FP2z
10	RM709T	30 ♦	120m	15u	4.0m	300n	1.0u	16	400k†	24	10kØ	1.0MØ†	88	400m†	70	5C	A003	TO99
11▼	MC3505L§*	30	120m	15u†	6.0m	200n	1.5u	28 §		20	2.0kØ	1.0 †Ø	91	600m†	70	5C	A415	TO116
12	118A	30	120m	20u	Δ	3.0n	35n	20	1.0M	20	10m	1.5MØ	108	6.0	86	28		MP5bn
13	1120	30	120m†	20u	Δ	10n§	100n§	20 †	1.0M	20	10m	1.5M†§	106 †	2.0 †	86 †	28	A136	MP199k
14	3506J	30	120m	20u†	7.0m	40n	40n	22	40M	20	20m		98	4.0	74	06	A174g	TO99
15	1849	30	120m	25u	1.0m	150n	150n	20	200k	20	8.0m	1.5M	98	6.0	69	28		MP35a
16	AD0042C	30	120m	25u	20m		50p§	20	1.0T†	20	20m	1.0MØ	88	6.0	70	07	A174c	TO99
17	LH0042CD	30	120m	25u§	20m§	10p§	50p§	24	1.0T†	20	20m	1.0M†Ø	88	1.0	70	28	A223	MP490
18	LH0042CF	30	120m	25u§	20m§	10p§	50p§	24	1.0T†	20	20m	1.0M†Ø	88	1.0	70	28	A223	FP37
19	LH0042CH	30	120m	25u§	20m§	10p§	50p§	24	1.0T†	20	20m	1.0M†Ø	88	1.0	70	28	A223	CN17g
20	D10	30	120m†	30u	Δ	100n		14	200k	22	4.4m	1.0MØ	92 †	600m	74 †	28		MP5h
21	1321	30	120m	30u†	5.0m§	25n§	25n§	24	40M	20	20m	100M†§	98	20	100 †	07		TO99
22	1321-01	30	120m	30u†	5.0m§	25n§	25n§	24	40M	20	20m	100M†§	98	20	100 †	5c		TO99
23	A560	30	120m	30u§	5.0m§		125n§	20	100MØ	20	20m	20M	83	120		07	A307	TO99
24	3508J	30	120m	30u†	7.0m	40n	40n	22	40M	20	20m	100M§†	98	20	74	06	A174g	TO99
25	LH0021CK	30	120m	30u	7.5m	500n	1.0u	24	300k	26	100 Ø		86	1.0	70	28	A216	CN22f
26▼	LM301ADE	30 ♦	120m	30u	10m	70n	300n	24	500k	26	2.0kØ		88		70	07	A234	MP401j
27#	SFC2307	30	120m	30u	10m	70n	300n		500k	24				500m†	70	07		TO99
28#	SFC2307DC	30	120m	30u	10m	70n	300n		500k	24				500m†	70	07		MP48
29	FA551	30	120m	50u§	15m		1.0p§	20	1.0TØ	20	20m	10M	103	35	90	07	A307	TO99
30	AD3542J	30	120m	50u	20m		25p§	20	100G	20	25m	1.0MØ	88	500m	80	07	A174b	TO99
31	LM248D	30	135m		7.5m	125n	500n	24	800k	24	10kØ	1.0MØ†	88	500m†	70	28	A341	MP490
32	LM248J	30	135m		7.5m	125n	500n	24	800k	24	10kØ	1.0M†	88	500m†	70	28	A341	TO116
33	LM249D	30	135m		7.5m	125n	500n	24	800k	24	10kØ	4.0M§†	88	2.0 †	70	28	A341	MP490
34	LM249J	30	135m		7.5m	125n	500n	24	800k	24	10kØ	4.0M§†	88	2.0 †	70	28	A341	TO116
35	LM348D	30	135m		7.5m	100n	400n	24	800k	24	10kØ	1.0MØ†	88	500m†	70	07	A341	MP490
36	LM348J*	30	135m		7.5m	100n	400n	24	800k	24	10kØ	1.0M†Ø	88	500m†	70	07	A341	TO116
37	LM348N*	30	135m		7.5m	100n	400n	24	800k	24	10kØ	1.0M†Ø	88	500m†	70	07	A341	MP39n
38	LM349D	30	135m		7.5m	100n	400n	24	800k	24	10kØ	4.0M§†	88	2.0 †	70	07	A341	MP490
39	LM349J	30	135m		7.5m	100n	400n	24	800k	24	10kØ	4.0M§†	88	2.0 †	70	07	A341	TO116
40	LM349N	30	135m		7.5m	100n	400n	24	800k	24	10kØ	4.0M§†	88	2.0 †	70	07	A341	MP39n
41	uA248DC	30	135m		7.5m	125n	500n	24	800k	24	10kØ	1.0MØ	88	500m†	70	28	A341	
42	uA249DC	30	135m		7.5m	125n	500n	24	800k	24	10kØ	4.0M§	88	2.0 †	70	28	A341	
43	uA348DC	30	135m		7.5m	100n	400n	24	800k	24	10kØ	1.0MØ	88	500m†	70	07	A341	
44	uA349DC	30	135m		7.5m	100n	400n	24	800k	24	10kØ	4.0M§	88	2.0 †	70	07	A341	
45	232K	30	135m	100n	10u		50p	SE	300k	20	8.0m	500kØ	140	200m		05		MP77
46	A230L	30	135m†	100n☐	10u§Δ		50p§	SE	400k†	20	8.0m	1.0M†Ø	140	200m		28	A053b	MP5aw
47	232J	30	135m	250n	15u		100p	SE	300k	20	8.0m	500kØ	140	200m		05		MP77
48	A230J	30	135m†	250n☐	15u§Δ		100p§	SE	400k†	20	8.0m	1.0M†Ø	140	200m		28	A053b	MP5aw
49	A230K	30	135m†	250n☐	15u§Δ		50p§	SE	400k†	20	8.0m	1.0M†Ø	140	200m		28	A053b	MP5aw
50	LH0020G	30	150m		4.0m	100n	500n	24	600k	28	300 Ø		100		90	5C	A243	CN18c
51	ULS2139D	30	150m		4.5m	80n	800n	22	150k	20	1.0kØ	20k	94	1.0	80	5C	A174e	TO99
52	ULS2139G	30	150m		4.5m	80n	800n	22	150k	20	1.0kØ	20k	94	1.0	80	5C	A172d	FP☐
53	ULS2139H	30	150m		4.5m	80n	800n	22	150k	20	1.0kØ	20k	94	1.0	80	5C	A173f	MP☐
54	ULS2139M	30	150m		4.5m	80n	800n	22	150k	20	1.0kØ	20k	94	1.0	80	5C	A200b	MP☐
55	MCC1558*	30	150m		5.0m§	200n§	500n§	26 †	1.0M†	24	10kØ	1.1M†Ø	93	800m†	90 †	5C	A014	CH5
56	MCCF1558	30	150m		5.0m§	200n§	500n§	26 †	1.0M†	24	10kØ	14k†	94	800m†	90 †	5C	A014	CH20
57	RM1558T*	30	150m		5.0m	200n	500n	26	1.0M	24	10kØ	1.1M	93	800m	90	5C	A014	TO99
58	HA1-2420	30	150m		6.0m	100n	400n	20	5.0M	20	20m	2.0M†Ø	88	5.0 †	80	5C	A279	MP447
59	LM1558H*	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ		93		70	5C	A042h	CN1d
60▼	MC1558F*	30	150m		6.0m	500n	1.5u	24	2.0M†	24	10kØ	1.0MØ†	94	800m†	70 †	5C	A014b	MP319k
61	MC1558JG	30	150m		6.0m	500n	1.5u	24		24	10kØ	1.0MØ†	94		70	5C	A357	MP401d
62▼	MC1558N*	30	150m		6.0m	500n	1.5u	24	2.0M†	24	10kØ	1.0MØ†	94	800m†	70 †	5C	A014c	MP549a
63▼	MC1558N-14*	30	150m		6.0m	500n	1.5u	24	2.0M†	24	10kØ	1.0MØ†	94	800m†	70 †	5C	A014b	MP153h
64	MC1558NG*	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	1.1M†Ø	93	500m†	70	5C	A014a	TO99
65	MC1558NL	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	1.1M†Ø	93	500m†	70	5C	A014b	TO116
66	MC1558NU	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	1.1M†Ø	93	500m†	70	5C	A014c	MP401a
67	MC1558SG	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	150k☐	94	10	70	5C	A367	TO99
68	MC1558SL	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	150k☐	94	10	70	5C	A367	MP139a
69	MC1558T	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	1.1M†Ø	96	800m†	70	5C	A014a	CN1g
70	MC1558U	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ	1.1M†Ø	93	500m†	70	5C	A014c	MP401a
71▼	MC4558*	30	150m		6.0m	200n§	500n§	24	300k	20	2.0kØ	2.5MØ	91		70	5C	A359a	CN1d
72▼	MC4558ACP1*	30	150m		6.0m	200n§	500n§	24	300k	20	2.0kØ	2.5MØ	91		70	07	A359	MP161a
73	MC4558G*	30	150m		6.0m	500n	1.5u	24	300k	20	2.0kØ	2.5MØ		1.5 †	70	5C	A381	CN1k
74▼	MC4558NCG*	30	150m		6.0m	200n§	500n§	24	300k	20	2.0kØ	2.5MØ	91		70	07	A359a	CN1d
75▼	MC4558NCP1*	30	150m		6.0m	200n§	500n§	24	300k	20	2.0kØ	2.5MØ	91		70	07	A359	MP161a
76▼	MC4558NCU*	30	150m		6.0m	200n§	500n§	24	300k	20	2.0kØ	2.5MØ	91		70	07	A359	MP401a
77▼	MC4558NG*	30	150m		6.0m	200n§	500n§	24	300k	20	2.0kØ	2.5MØ	91		70	5C	A359a	CN1d
78▼	MC4558NU*	30	150m		6.0m	200n§	500n§	24	300k	20	2.0kØ	2.5MØ	91		70	5C	A359	MP401a
79♦	MC4558U*	30	150m		6.0m	200n§	500n§	24	300k	20	2.0kØ	2.5MØ	91		70	5C	A359	MP401a
80	PM1558J	30	150m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A315b	TO99
81	RM1558DE	30	150m		6.0m	500n	1.5u	26	1.0M†	24	10kØ	1.1M	93	500m†	90 †	5C	A014	MP401j
82	AD583K	30	150m		8.0m	100n	400n	20	5.0M	20	20m	2.0M§	88	5.0	74	07	A279	MP447
83	HA1-2425	30	150m		8.0m	100n	400n	20	5.0M	20	20m	2.0M†Ø	88	5.0 †	74	07	A279	MP447
84	RC3403DB*	30	150m		8.0m§	50n§	500n§	36 Δ		26	2.0kØ	1.0MØ†	88	600m†	70	07	A300	MP153f
85	RC3403DC*	30	150m		8.0m§	50n§	500n§	36 Δ		26	2.0kØ	1.0MØ†	88	600m†	70	07	A300	MP153g
86	RC3403ADB*	30	150m		10m	200n	1.5u	36 Δ		26	2.0kØ	1.0M†Ø	88	2.0 †	70	07	A333	MP153f
87	RC3403ADC*	30	150m		10m	200n	1.5u	36 Δ		26	2.0kØ	1.0M†Ø	88	2.0 †	70	07	A333	MP153g
88	RV3403ADB*	30	150m		10m	200n	1.5u	36 Δ		26	2.0kØ	1.0M†Ø	88	2.0 †	70	48	A333	MP153f
89	RV3403ADC*	30	150m		10m	200n	1.5u	36 Δ		26	2.0kØ	1.0M†Ø	88	2.0 †	70	48	A333	MP153g
90	A241	30	150m	50n☐	10u§Δ		15p§	SE	400k†	20	20m	1.0M†Ø	140	500m		28	A053b	MP5cc
91	A240	30	150m	100n☐	10u§Δ		30p§	SE	400k†	20	20m	1.0M†Ø	140	500m		28	A053b	MP5cc
92	A245	30	150m	100n	10u§Δ	30p	30p	SE	300k	20	10m	400kØ	140	200m		28	A053b	MP199
93	235L	30	150m	100n	15u		50p	SE	300k	20	10m	1.0MØ	154	300m		07		MP5cc
94	233L	30	150m	100n	20uΔ	500n☐	50p		600k†	20	10m	500k†Ø	140	250m		28		MP5au
95	234L	30	150m	100n	20u§		100p§	30	300k†	20	10m	2.5M†Ø	140	30 †		28		MP199b
96	A261K	30	150m	100n	25u§Δ		300p§†	2.0 †	80k†	20	10m	100	140	100u†	110 †	28	A393	MP432a
97	370L	30	150m†	200n	Δ	2.0n§	25n§	20 †	4.0M†	20 †	10m†	300 †Ø	110		100 †	28	A265	MP5au
98	390K$	30	150m†	200n	Δ		2.0p		1.0M†	20 †	10m†	750kØ	140	500m		48	A268	MP5au
99	1340$	30	150m	200n†§	20u†§	50p†§	150p†§	20	100M†	20	14m	3.0M§†	120	2.5 †	120	07	A281	TO99
100	HA2-2905	30	150m	200n	80u	500p	1.0n	20	100M†	20	14m	3.0MØ§		2.5 †	120	07	A284	TO99
101	235K	30	150m	250n	25u		50p	SE	300k	20	10m	1.0MØ	154	300m		07		MP5cc
102	3440L	30	150m	250n	100u§	2.0n	25n§	20	4.0M†	20	10m	1.0MØ	110	600m	100 †	07		MP5ca
103	A186	30	150m	250n	100u§		4.0n§	20	5.0M	20	20m	500kØ	109	600m	96	28	A053a	MP5f
104	1703-01	30	150m	300n	15u§	25p§	50p§	1.0 †	500k†	20	10m	1.0MØ†	140	250m	140 †	07		MP172a
105	233K	30	150m	300n	20uΔ	1.0p☐	50p		600k†	20	10m	500k†Ø	140	250m		28		MP5au
106	234K	30	150m	300n	20u§		100p§	30	300k†	20	10m	2.5M†Ø	140	30 †		28		MP199b
107	A261J	30	150m	300n†	25u§Δ		300p§†	2.0 †	80k†	20	10m	100	140	100u†	110 †	28	A393	MP432a
108	HA2-2904	30	150m	400n	50u	500p	1.0n	20	100M†	20	20m	3.0MØ§		2.5 †	130	28	A284	TO99
109	370K	30	150m†	500n	Δ	2.0n§	25n§	20 †	4.0M†	20 †	10m†	300 †Ø	110		100 †	28	A265	MP5au
110	390J$	30	150m†	500n	Δ		2.0p		1.0M†	20 †	10m†	750kØ	140	500m		48	A268	MP5au

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	235J	30	150m	500n	25u		100p	SE	300k	20	10m	1.0MØ	154	300m		07		MP5cc
2	A233	30	150m	500n	25u§Δ		50p§	SE	400k	20	10m	500kØ	140	200m		28	A053b	MP5cc
3	3440K	30	150m	500n	100u§	2.0n†	25n§	20	4.0M†	20	20m	1.0MØ	110	600m	100 †	07		MP5ca
4	A185	30	150m	500n	250u§		4.0n§	20	5.0M	20	20m	500kØ	109	600m	96	28	A053a	MP5f
5	HA2-2900	30	150m	600n	60u	500p	1.0n	20	100M†	20	20m	3.0MØ§		2.5 †	120	5C	A284	TO99
6	52K	30	150m	1.0u	Δ	500n§	3.0p§	20	1.0T†	20	10m	4.0k	120	250m	100	28		MP5ch
7	370J	30	150m†	1.0u	Δ	2.0n§	25n§	20 †	4.0M†	20 †	10m†	300 †Ø	110		100 †	28	A265	MP5au
8	1703	30	150m	1.0u	40u§	25p§	50p§	1.0 †	500k†	20	10m	1.0MØ†	140	250m	140 †	07		MP172a
9	233J	30	150m	1.0u	50uΔ	2.0p☒	50p		600k†	20	10m	500k†Ø	140	250m		28		MP5au
10	234J	30	150m	1.0u	50u§		100p§	30	300k†	20	10m	2.5M†Ø	140	30 †		28		MP199b
11	3440J	30	150m	1.5u	250u§	2.0n†	25n§	20	4.0M†	20	20m	1.0MØ	110	600m	100 †	07		MP5ca
12	OP07CJ	30	150m	1.8u	250u	8.0n	9.0n	26	8.0M	24	10kØ	600kØ†	101	170m†	100	07	A174a	TO99
13	OP07CP	30	150m	1.8u	250u	8.0n	9.0n	26	8.0M	23	2.0kØ	600kØ†	100	170m†	100	07	A261b	MP161c
14	OP07CY	30	150m	1.8u	250u	8.0n	9.0n	26	8.0M	24	10kØ	600kØ†	101	170m†	100	07	A173c	MP14ac
15	uA714HC	30	150m	1.8u	250u	8.0n	9.0n	26	8.0M	24	10kØ	1.2MØ	101	250m†	100	06	A174q	CN1d
16	146K	30	150m	2.0u	700uΔ	10p§	20p§	20	100G	20	40m	5.0M†Ø	100	10	80 †	16		MP5ac
17	uA725EHC	30	150m	2.0u	750u	18n	180n	27	1.5M†	25	10kØ		120		120	07	A107	CN1d
18	FA541	30	150m	2.0u§	1.0m		20p§	22	100GØ	20	40m	5.0M	106	15	100	06		MP501
19	uA725HC	30	150m	2.0u	1.5m	20n	100n	27	1.5M†	24	10kØ		120		94	07	A107	CN1d
20	uPC154A	30	150m	2.0u†	2.5m§	35n§	125n§	27	1.5M†	24	10kØ		108		96	28	A107	Δ002AK
21	AM725DC	30	150m	2.0u†	3.5m	50n	250n	27	3.0m†	24	10kØ		88		96	07	A173c	MP14ad
22	AM725HC	30	150m	2.0u†	3.5m	50n	250n	27	3.0m†	24	10kØ		88		96	07	A071	TO99
23	LM725CH	30	150m	2.0u†	3.5m	35n☒	125n☒	27	1.5M†	24	10kØ		108		115 †	07	A107	CN1d
24	LM725CN	30	150m	2.0u†	3.5m	35n☒	125n☒	27	1.5M†	24	10kØ		108		115 †	07	A107	MP491
25	PM725CJ	30	150m	2.0u	3.5m	50n	250n	27	1.5M†	24	10kØ		108		94	07	A356	TO99
26	PM725CP	30	150m	2.0u†	3.5m	50n	250n	27	1.5M†	20	2.0kØ		108		94	07	A356c	MP161c
27	PM725CY	30	150m	2.0u	3.5m	50n	250n	27	1.5M†	24	10kØ		108		94	07	A356a	MP14ak
28▼	RC725DE	30	150m	2.0u†	3.5m	35n§	125n§	27	1.5M†	20	2.0kØ		120		100	07	A107	MP401j
29	ZEL1-02	30	150m	2.5u	Δ	10n	50n	20	1.0M	20	10m	1.5M§	112	6.0	86	28		MP6g
30	OP07DJ	30	150m	2.5u	250u	8.0n	14n	26	7.0M	24	10kØ	600kØ†		170m†	94	07	A174a	TO99
31	52J	30	150m	3.0u	Δ	500n§	3.0p§	20	1.0T†	20	10m	4.0k	120	250m	100	28		MP5ch
32	MCC1539	30	150m	3.0u†§	3.0m§	60n§	500n§	24 †	300k†	20	1.0kØ	50k†	93	4.2 †	110 †	5C	A037	CH4
33	OP05CJ	30	150m	4.5u	1.6m	8.0n	9.0n	26	8.0M	24	10kØ	600kØ†	106	170m†	100	07	A261a	TO99
34	OP05CP	30	150m	4.5u	1.6m	8.0n	9.0n	26	8.0M	23	2.0kØ	600kØ†	100	170m†	100	07	A261b	MP161c
35	OP05CY	30	150m	4.5u	1.6m	8.0n	9.0n	26	8.0M	24	10kØ	600kØ†	106	170m†	100	07	A261a	MP14ak
36	OP10CY*	30	150m	4.5u	1.6m	8.0n	9.0n	26	8.0M	24	10kØ	600kØ†	101	170m†	100	07	A261	MP14ak
37	SSS725CJ	30	150m	4.5u	1.6m	25n☒	180n☒	27	500k	24	10kØ		114		100	07	A356	TO99
38	SSS725CY	30	150m	4.5u	1.6m	25n☒	180n☒	27	500k	24	10kØ		114		100	07	A356a	MP14ak
39	ZEL1-03	30	150m	5.0u	Δ	10n	50n	20	1.0M	20	10m	1.5M§	112	6.0	86	28		MP6g
40	FA540	30	150m	5.0u§	1.0m		50p§	22	100GØ	20	40m	5.0M	106	15	100	06		MP501
41	LH0062D883	30	150m†	5.0u§†	1.0m§†	1.0p§†	5.0p§†	30	1.0T†	26 †	20m†	100 †	100 †	90 †	80	5C	A219	MP148
42	LH0062H883	30	150m†	5.0u§†	1.0m§†	1.0p§†	5.0p§†	30	1.0T†	26 †	20m†	100 †	100 †	90 †	80	5C	A219	CN1f
43	43K	30	150m	5.0u	2.0m§Δ		20p§	22	100G†	20	10m	4.0M†Ø	94	12	80 †	07		MP5bn
44	RC725T	30	150m	5.0u†	2.5m	35n	125n	27	1.5M†	20	2.0kØ		130		120 †	07	A107	TO99
45	MC1539G	30	150m	5.0u†	4.0m	75n	500n§	22	150k	20	1.0kØ	20k	94	4.2 †	80	5C	A037	TO99
46	MC1539L	30	150m	5.0u†	4.0m	75n	500n§	22	150k	20	1.0kØ	20k	94	4.2 †	80	5C	A037	TO116
47	HA1-4741-2*	30	150m	5.0u†	5.0m	75n	325n	24	5.0M†	20	10m	3.5MØ†	94	1.6 †	80	5C	A330	MP153d
48▼	HA1-4741-2DC*	30	150m	5.0u†	5.0m	100n	400n	24	500k	20	10m	3.5M†Ø	86	1.6 †	80	5C	A300	MP153g
49▼	HA1-4741-8DC*	30	150m	5.0u†	5.0m	100n	400n	24	500k	20	10m	3.5M†Ø	86	1.6 †	80	5C	A300	MP153g
50	RM4156DC	30	150m	5.0u†	5.0m	75n	325n	24	5.0M†	24	10m	2.8MØ	94	1.3	80	5C		MP153g
51♦	RM4157DC*	30	150m	5.0u	5.0m	75n	325n	24	500k	20	2.0kØ	15M§	96	6.5	80	5C		MP153g
52#	SFC2761C	30	150m†	6.0u	7.5m§	330n§	1.5u§	27	200k†	24	620 Ø		90 †	9.0 †	80	07	A125a	CN44
53#	SFC2761DC	30	150m†	6.0u	7.5m§	330n§	1.5u§	27	200k†	24	620 Ø		90 †	9.0 †	80	07	A125a	MP279
54	146J	30	150m	7.0u	700uΔ	10p§	30p§	20	100G	20	40m	5.0M†Ø	100	10	80 †	16		MP5ac
55	ZEL1-04	30	150m	10u	Δ	10n	50n	20	1.0M	20	10m	1.5M§	112	6.0	86	28		MP6g
56	TL072AMJG*	30	150m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396b	MP401d
57	TL072AML*	30	150m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396c	CN1k
58	TL072BCJG*	30	150m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396b	MP401d
59	TL072BCL*	30	150m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396c	CN1k
60	TL072BCP*	30	150m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396b	MP267d
61	TL072ACJG*	30	150m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396b	MP401d
62	TL072ACL*	30	150m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396c	CN1k
63	TL072ACP*	30	150m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396b	MP267d
64	TL072IJG*	30	150m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396b	MP401d
65	TL072IL*	30	150m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396c	CN1k
66	TL072IP*	30	150m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396b	MP267d
67	TL072MJG*	30	150m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396b	MP401d
68	TL072ML*	30	150m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396c	CN1k
69	1036	30	150m	10u	10m§Δ		50n§	20	200k†	20	100m	1.0MØ†	95	9.0	90	28		MP199m
70	1036-20	30	150m	10u	10m§Δ		50n§	20	200k†	20	100m	1.0MØ†	95	9.0	90	28		MP199m
71	TL072CJG*	30	150m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396b	MP401d
72	TL072CL*	30	150m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396c	CN1k
73	TL072CP*	30	150m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396b	MP267d
74	1616	30	150m†	15u	Δ	10n†	20n	20 †	200k†	20	20m	1.5MØ	100	1.5	86	28		MP5y
75	2312-2	30	150m	15u		10n	10n	20	500k	20	20m	2.0M	106	1.2	80	28		MP394
76	OP15GJ	30	150m	15u	3.8m	1.2n	1.5n	21	1.0T†	22	2.0kØ	12MØ†	94	5.0	82	07	A174	TO99
77	uA741ADM	30 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	437k	94	300m	80	5C	A241	MP486b
78	uA741AFM	30 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	437k	94	300m	80	5C	A241	FP2w
79	uA741AHM	30 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	437k	94	300m	80	5C	A241	CN1d
80	uA741EDC	30 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	437k	94	300m	80	07	A241	MP486b
81	uA741EHC	30 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	437k	94	300m	80	07	A241	CN1d
82	OP15CJ	30	150m	15u	4.5m	17n	19n	21	1.0T†	22	2.0kØ	12MØ†	94	5.0	82	5C	A174	TO99
83	SG1558T	30	150m	15u†	5.0m§	200n§	500n§	24	300k	24	10kØ	500kØ†	93	500m†	70	5C	A014	TO99
84	MC1558G*	30	150m	15u†	6.0m	500n	1.5u	24	300k	24	10kØ	14k†	93	500m†	70	5C	A014a	TO99
85	MC1558L*	30	150m	15u†	6.0m	500n	1.5u	24	300k	24	10kØ	14k†	93	500m†	70	5C	A014b	MP139a
86#	SFC2458M*	30	150m	15u†	6.0m	500n	1.5u	24	300k	24	10kØ	14k†	93	800m†	70	5C	A014	TO99
87▼	uA1558HM	30	150m	15u	6.0m	500n	1.5u	24	300k	24	10kØ	14k†☒	94	800m	70	5C	A179	CN1d
88	A103	30	150m†	20u☒	Δ		40p§	20	100G†	20	10m	2.0MØ	100	10	100	28	A053	MP5f
89	ZEL1	30	150m†	20u	Δ		50n§	20	1.0M†	20	10m	1.5M†Ø	113	6.0	86	28		MP6g
90	ZEL1AC	30	150m†	20u	Δ		50n§	20	1.0M†	20	40m	1.5M†Ø	113	4.5	86	28		MP5bq
91	ZEL1C	30	150m†	20u	Δ		50n§	20	1.0M†	20	40m	1.5M†Ø	113	4.5	86	28		MP6g
92	1028	30	150m	20u	3.0m§†	3.0n§†	35n§	20	1.0M†	20	10m	1.0MØ	108	6.0	80	28		MP199q
93	uPC55A	30 ♦	150m	20u§	5.0m§	200n§	800n§	18	100k	20	2.0kØ		86		70	28	A003	Δ002AK
94	2312-3	30	150m	30u		25p	50p	20	100G	20	20m	1.0M	90	6.0	60	28		MP394
95	43J	30	150m	30u	2.0m§Δ		10p§	22	100G†	20	5.0m	4.0M†Ø	94	6.0	80	07		MP5bn
96	A102	30	150m†	50u☒	Δ		40p§	20	100G†	20	10m	2.0MØ	100	10	100	28	A053	MP5f
97▼	1021	30	150m	50u	5.0m†	3.0p†	10p	20	100G†	20	40m	2.0MØ	100	6.0	100	28		MP199m
98	2317-2	30	150m	60u		10n	30n	20	300k	20	10m	1.0M	92	1.2	80	07		MP394
99	2317-3	30	150m	75u		25p	50p	20	100G	20	10m	1.0M	89	1.2	60	07		MP394
100	ICL8007MTA	30	156m		30m	500f§†		20	10T	24	10kØ	1.0M†Ø	93	6.0 †	70	5C	A131	CN1f
101	uA740T	30	156m		30m	185p†		20	1.0T†	20	2.0kØ	3.0M†Ø	93	6.0 †	64	5C		CN1g
102	ICL8007M2	30	156m	15u	3.5m	500n†§		20	1.0M†	24	10kØ	1.0MØ	94	3.0		5C	A270	TO99
103	ICL8007M5	30	156m	15u	11m	500n†§		20	1.0M†	24	10kØ	1.0MØ	94	3.0		5C	A270	TO99
104▼	ICL8007MTV	30	156m	75u	20m§	500f§	20p§	20	1.0T†	20	2.0kØ	1.0M†Ø	96	6.0 †	70	5C	A174h	TO99
105	ICL8043MDE	30	156m	75u	30m	500f§†		20	1.0T	24	10kØ	1.0MØ†	100	6.0 †	70	5C	A224	MP341
106	MCC1709	30	165m		5.0m§	200n§	500n§	20 †	400k†	24	10kØ		87	250m†	90 †	5C	A003	CH9
107	MCCF1709	30	165m		5.0m§	200n§	500n§	20 †	400k†	24	10kØ		88	12 †	90 †	5C	A043	CH21
108	LM709H883	30	165m		6.0m	500n	1.5u	16		24	10kØ		88		70	5C		TO99
109#	TAA522Δ	30	165m		6.0m	200n	1.5u	20	150k	20	2.0kØ		88	300m†	70	5C	A124	TO99
110▼	HA1-4622-2*	30	165m	2.0u†	2.5m	125n	325n	24	500k†	20	20m	70M§		12	86	5C	A358	MP☒

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	HA1-4602-2*	30	165m	2.0u†	3.0m	125n	325n	24		24	10kØ	8.0MØ†	100	4.0u†	86	5C	A358	MP14ah
2	MC1709F	30	165m	3.0u†	6.0m	200n⧄	1.5u⧄	16	40k	24	10kØ		88		70	5C	A043	TO91
3	MC1709G	30	165m	3.0u†	6.0m	200n⧄	1.5u⧄	16	40k	24	10kØ		88		70	5C	A043	CN1p
4	MC1709L	30	165m	3.0u†	6.0m	200n⧄	1.5u⧄	16	40k	24	10kØ		88		70	5C	A043	TO116
5#	SFC2709EM	30	165m	3.0u§†	6.0m	500n⧄	1.5u⧄	16	150k	24	10kØ		87	250m†	70	5C	A003	TO116
6#	SFC2709PM	30	165m	3.0u	6.0m	500n⧄	1.5u⧄	16	150k	24	10kØ		87	250m†	70	5C	A003	TO91
7	SN52709FA	30	165m	3.0u†	6.0m	500n⧄	1.5n⧄	16	150k	24	10kØ		93 †		70	07	A003	FP2t
8	SN52709J	30	165m	3.0u†	6.0m	500n⧄	1.5n⧄	16	150k	24	10kØ		93 †		70	07	A003	TO116
9	SN52709JA	30	165m	3.0u†	6.0m	500n⧄	1.5n⧄	16	150k	24	10kØ		93 †		70	07	A003	MP381
10	SN52709JP	30	165m	3.0u†	6.0m	500n⧄	1.5n⧄	16	150k	24	10kØ		93 †		70	07	A003	MP383
11	SN52709L	30	165m	3.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		93		70	5C	A003	TO99
12	uA709MJ	30	165m	3.0u†	6.0m	200n§	500n§	16	150k	24	10kØ		93		70	5C	A003	MP139b
13	uA709MJG	30	165m	3.0u†	6.0m	200n§	500n§	16	150k	24	10kØ		93		70	5C	A003	MP401d
14	uA709ML	30	165m	3.0u†	6.0m	200n§	500n§	16	150k	24	10kØ		93		70	5C	A003	CN1k
15	uA709MU	30	165m	3.0u†	6.0m	200n§	500n§	16	150k	24	10kØ		93		70	5C	A003	Δ004AE
16	SG102J	30	165m	6.0u†§	5.0m§		10n		10G	20	8.0kØ	8.0MØ†		20 †		5C		TO116
17	SG102T	30	165m	6.0u†§	5.0m§	10u	10n		10G	20	8.0kØ	8.0MØ†		20 †		5C	A002	TO99
18	LM709H	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24		1.0MØ	88	250m†	70	5C	A003	CN1d
19	LM709J	30	165m	6.0u⧄	6.0m	500n	1.5u	16	150k	24	10kØ		88	250m†	70	5C	A003	MP319b
20	LTA709	30	165m	6.0u†	6.0m	500n⧄	1.5u⧄	16	150k	24	10kØ		87		70	5C		MP255
21#	TL1709	30	165m	6.0u†	6.0m	500n⧄	1.5u⧄	16	150k	24	10kØ	10k	88	250m†	70	5C	A043	TO99
22	uA709DM	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		88		70	5C	A003	MP486b
23	uA709FM	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		88		70	5C	A003	FP2w
24	uA709HM	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		88		70	5C	A003	CN1d
25	uA709PC	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		88		70	07	A003	MP252f
26	uA709T	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		88		70	5C	A043	TO99
27	uA709TC	30	165m	6.0u†	6.0m	500n	1.5u	16	150k	24	10kØ		88		70	07	A003	MP487
28#	ZLD709	30	165m	6.0u†	6.0m	500n§	1.5u	16	150k	20			87		70	5C	A081	TO78
29#	ZLD709F	30	165m	6.0u†	6.0m	500n§	1.5u	16	150k	20			87		70	5C	A081	FP2j
30	LM102F883	30 ♦	165m	6.0u†	7.5m		10n	30	10G	20		1.0MØ	0.0	10		5C	A002	FP2
31	LM102H883	30 ♦	165m	6.0u†	7.5m		10n	30	10G	20		1.0MØ	0.0	10		5C	A002	CN1a
32	SG202J	30	165m	15u†§	10m§				10G	20	8.0kØ	8.0MØ†	0.0	20 †		28		TO116
33	SG202M	30	165m	15u†§	10m§		15n		10G	20	8.0kØ	8.0MØ†	0.0	20 †		28		MP189a
34	SG202N	30	165m	15u†§	10m§		15n		10G	20	8.0kØ	8.0MØ†	0.0	20 †		28		MP39a
35	SG202T	30	165m	15u†§	10m§	50n	15n		10G	20	8.0kØ	8.0MØ†	0.0	20 †		28	A002	TO99
36	40K	30	165m	20u	2.0m§	10p§	20p§	20	100G	20	5.0m	100k	94	6.0	80	28		MP5k
37	SG302J	30	165m	20u†§	15m§		30n	30	1.0G	20	8.0kØ	8.0MØ†	0.0	20 †		07		TO116
38	SG302M	30	165m	20u†§	15m§		30n	30	1.0G	20	8.0kØ	8.0MØ†	0.0	20 †		07		MP189a
39	SG302N	30	165m	20u†§	15m§		30n	30	1.0G	20	8.0kØ	8.0MØ†	0.0	20 †		07		MP39a
40	SG302T	30	165m	20u†§	15m§		30n	30	1.0G	20	8.0kØ	8.0MØ†	0.0	20 †		07	A002	TO99
41	uA302HC	30	165m	20u†	20m	50n			1.0G	20	8.0kØ			30		07	A122	CN1d
42	40J	30	165m	50u	2.0m§	25p§	50p§	20	100G	20	5.0m	100k	94	6.0	80	28		MP5k
43▼	RM4559DE*	30	168m		6.0m	300n	500n	24	300k	24	3.0kØ	3.0MØ	96	1.5	80	5C	A359	MP401j
44▼	RM4559T*	30	168m		6.0m	300n	500n	24	300k	24	3.0kØ	3.0MØ	96	1.5	80	5C	A359a	TO99
45	SN52558JP*	30	168m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0MØ†	94	500m	70	5C	A182	MP383
46	LM1458-14*	30	168m		7.5m	300n	800n	24	300k	24	10kØ				70	07	A042p	MP39n
47	LM1458H*	30	168m		7.5m	300n	800n	24	300k	24	10kØ		86		70	07	A042p	CN1d
48	LM1458N*	30	168m		7.5m	300n	800n	24	300k	24	10kØ		86		70	07	A042p	MP491
49♦	MC4558CG*	30	168m		7.5m	300n	800n	24	300k	20	2.0kØ	2.0MØ	84		70	07	A359a	CN1d
50♦	MC4558CP1*	30	168m		7.5m	300n	800n	24	300k	20	2.0kØ	2.0MØ	84		·70	07	A359	MP161a
51♦	MC4558CU*	30	168m		7.5m	300n	800n	24	300k	20	2.0kØ	2.0MØ	84		70	07	A359	MP401a
52▼	RV4559DE*	30	168m		7.5m	200n	500n	24	300k	24	3.0kØ	3.0MØ	86	1.5	80	48	A359	MP401j
53▼	RV4559NB*	30	168m		7.5m	200n	500n	24	300k	24	3.0kØ	3.0MØ	86	1.5	80	48	A359	MP491
54	SN72558P	30	168m		7.5m	300n	800n	24	300k	24	80m	1.0M†Ø	86	500m†	70	07	A182	MP267
55#	TDA1458D*	30	168m		7.5m	300n	800n	24	300k	20	2.0kØ	1.1MØ	86	800m	70	28	A385	MP355
56	TL082AMJG*	30	168m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A373e	MP401d
57	TL082BCJG*	30	168m	10u†	5.0m	3.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A373e	MP401d
58	TL082ACJG*	30	168m	10u†	7.5m	3.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A373e	MP401d
59	TL083ACJ*	30	168m	10u†	7.5m	3.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A373f	MP139b
60	TL082IJG*	30	168m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A373e	MP401d
61	TL082MJG*	30	168m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A373e	MP401d
62	TL083IJ*	30	168m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A373f	MP139b
63	TL083MJ*	30	168m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A373f	MP139b
64	TL082CJG*	30	168m	10u†	20m	5.0n	10n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A373e	MP401d
65	TL083CJ*	30	168m	10u†	20m	5.0n	10n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A373f	MP139b
66	RM747DC	30	170m		5.0m	500n	1.5u	24	1.0m†	24	10kØ	1.0MØ†	94	500m†	70	5C	A042g	MP153g
67	RM747T	30	170m		5.0m	500n	1.5u	24	1.0M†	24	10kØ		94	500m†	70	5C	A042q	TO99
68♦	CA747E*	30	170m		6.0mΔ	200n§	500n§	24	300k	20	2.0kØ	1.0MØ†	96	500m†	70	5C	A181c	Δ001AB
69♦	CA747G*	30	170m		6.0mΔ	200n§	500n§	24	300k	20	2.0kØ	1.0MØ†	96	500m†	70	5C	A181c	Δ001AB
70♦	CA747T*	30	170m		6.0m	200n§	500n§	24	300k	20	2.0kØ	1.0MØ†	96	500m†	70	5C	A181b	Δ006AF
71▼	CA1558E*	30	170m		6.0m	200n§	500n§	24	300k	24	10kØ	1.0MØ†	96	500m	70	5C	A181a	MP446
72▼	CA1558G*	30	170m		6.0m	200n§	500n§	24	300k	24	10kØ	1.0MØ†	96	500m	70	5C	A181a	MP446
73	MCC1458*	30	170m		6.0m§	200n§	500n§	26 †	1.0M†	24	10kØ	1.1M†Ø	86	800m†	90 †	5C	A014	CH5
74	MCCF1458	30	170m		6.0m§	200n§	500n§	26 †	1.0M†	24	10kØ	14k†	86	800m†	90 †	07	A014	CH20
75	RC747DB	30	170m		6.0m	500n	1.5u	24	1.0M†	24	10kØ	1.0MØ†	94	500m†	70	07	A042g	MP153f
76	RC747DC	30	170m		6.0m	500n	1.5u	24	1.0M†	24	10kØ	1.0MØ†	94	500m†	70	07	A042g	MP153g
77	RC747T	30	170m		6.0m	500n	1.5u	24	1.0M†	24	10kØ		94	500m†	70	07	A042q	TO99
78	RC4558DE	30	170m		6.0m	200n	500n	24	1.0M	24	10kØ	3.0M†	86	500m†	70	07		MP401j
79	RM4558DE	30	170m		6.0m	500n	1.5u	24	1.0M†	24	10kØ	3.0M†	95	500m†	70	5C		MP401j
80	RM4558JG	30	170m		6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	94	1.5	70	5C	A359	MP401d
81	RM4558L	30	170m		6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	94	1.5	70	5C	A359a	CN1k
82	RM4558T*	30	170m		6.0m	500n	1.5u	24	1.0M†	24	10kØ	3.0M†	93	500m†	70	5C		TO99
83	SN52558L	30	170m		6.0m	500n	1.5u	24	300k	24	10kØ	1.0M†Ø	94	500m†	70	5c	A182	TO99
84	uA747MJ	30	170m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154a	MP139b
85	uA747ML	30	170m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C	A154b	CN10q
86	uA747MW	30	170m		6.0m	500n	1.5u	24	300k	24	10kØ		94	500m†	70	5C		
87▼	uA4558HM*	30	170m		6.0m	300n	1.5u	24	300k	20	2.0kØ	3.0M†Ø	86	1.5	70	5C	A338a	CN1d
88▼	uA4558RM*	30	170m		6.0m	300n	1.5u	24	300k	20	2.0kØ	3.0M†Ø	86	1.5	70	5C	A338c	MP401b
89	uPC251C*	30	170m		6.0m§	200n§	500n§	24		24	10kØ		86		70	27	A365a	MP189a
90	uPC1458C*	30	170m		6.0m§	200n§	500n§	24		24	10kØ		86		70	07	A365a	MP189a
91♦	CA747CE*	30	170m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	1.0M†Ø	86	500m	70	07	A181c	Δ001AB
92♦	CA747CG*	30	170m		7.5mΔ	300n	800n	24	300k	20	2.0kØ	1.0M†Ø	86	500m	70	07	A181c	Δ001AB
93♦	CA747CT*	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M†Ø	86	500m	70	07	A181b	Δ006AF
94▼	CA1458G*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.0MØ†	86	500m	70	07	A181a	MP446
95#	MB3607C	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ		84	800m†	70	07	A348	MP401e
96#	MB3607K	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ		84	800m†	70	07	A348	TO78
97#	MB3607M	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ		84	800m†	70	07	A348	MP594
98#	MB3608C	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ		84	800m†	70	07	A348a	MP319d
99#	MB3608K	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ		84	800m†	70	07	A348a	CN27a
100#	MB3608M	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ		84	800m†	70	07	A348a	MP250a
101	MC1458A	30	170m		7.5m	300n	800n	24	300k	24	2.0kØ	1.1M†Ø	106	800m†	70	07	A014a	MP153
102▼	MC1458F*	30	170m		7.5m	300n	800n	24	2.0M†	24	10kØ	1.0MØ†	88	800m†	70 †	07	A014b	MP319k
103	MC1458JG	30	170m		7.5m	300n	800n	24		24	10kØ	1.0MØ†	86		70	07	A357	MP401d
104♦	MC1458N*	30	170m		7.5m	300n	800n	24	2.0M†	24	10kØ	1.0MØ†	88	800m†	70 †	07	A014c	MP549a
105▼	MC1458N-14*	30	170m		7.5m	300n	800n	24	2.0M†	24	10kØ	1.0MØ†	88	800m†	70 †	07	A014b	MP153h
106	MC1458NG*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1M†Ø	86	500m†	70	07	A014a	TO99
107	MC1458NL*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1M†Ø	86	500m†	70	07	A014b	TO116
108	MC1458NP1*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1M†Ø	86	500m†	70	07	A014c	MP404
109	MC1458NP2*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1M†Ø	86	500m†	70	07	A014b	MP307
110	MC1458NU*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1M†Ø	86	500m†	70	07	A014c	MP401a

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE	DRAWINGS CKT.	OUT-LINE Δ=MO
1	MC1458SG	30	170m		7.5m	300n	800n	24	300k	24	10kØ	150k⧄	86	10	70	07	A367	TO99
2	MC1458SL	30	170m		7.5m	300n	800n	24	300k	24	10kØ	150k⧄	86	10	70	07	A367	MP139a
3	MC1458SP1	30	170m		7.5m	300n	800n	24	300k	24	10kØ	150k⧄	86	10	70	07	A367	MP161
4	MC1458SP2	30	170m		7.5m	300n	800n	24	300k	24	10kØ	150k⧄	86	10	70	07	A367	MP307
5	MC1458T	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1MtØ	86	800mt	70	07	A014a	CN1g
6	MC1458U*	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1MtØ	86	500mt	70	07	A014c	MP401a
7	MC1458V	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.1MtØ	86	800mt	70	07	A014a	MP216
8	PM1458J	30	170m		7.5m	300n	800n	24	300k	24	10kØ		86		70	07	A315b	TO99
9	RC4558JG	30	170m		7.5m	300n	800n	24	300k	24	10kØ	3.0MØt	86	1.0	70	07	A359	MP401d
10	RC4558L	30	170m		7.5m	300n	800n	24	300k	24	10kØ	3.0MØt	86	1.0	70	07	A359a	CN1k
11	RC4558NB	30	170m		7.5m	300n	800n	24	30	20	2.0kØ		86	500mt	70	07	A212	MP401k
12	RC4558P	30	170m		7.5m	300n	800n	24	300k	24	10kØ	3.0MØt	86	1.0	70	07	A359	MP267d
13	RC4558T*	30	170m		7.5m	300n	800n	24	30	20	2.0kØ		86	500mt	70	07	A212	TO99
14▼	RV4558DE*	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ	2.0MØ	86	500mt	70	48	A212	MP401j
15▼	RV4558NB*	30	170m		7.5m	300n	800n	24	300k	20	2.0kØ	2.0MØ	86	500mt	70	48	A212	MP491
16	SN72558L	30	170m		7.5m	300n	800n	24	300k	24	10kØ	1.0MtØ	86	500mt	70	07	A182	TO99
17	uA747CJ	30	170m		7.5m	300n	800n	24	300k	24	10kØ		88	500mt	70	07	A154a	MP139b
18	uA747CL	30	170m		7.5m	300n	800n	24	300k	24	10kØ		88	500mt	70	07	A154b	CN10g
19	uA747CN	30	170m		7.5m	300n	800n	24	300k	24	10kØ		88	500mt	70	07	A154a	MP598
20	uA747CW	30	170m		7.5m	300n	800n	24	300k	24	10kØ		88	500mt	70	07		
21♦	uA4558AHM	30	170m		7.5m	30n	800n	24	300k	24	10kØ	3.0MØ	86	1.0	70	5C	A338a	CN1d
22♦	uA4558HC	30	170m		7.5m	30n	800n	24	300k	24	10kØ	3.0MØ	86	1.0	70	07	A338a	CN1d
23▼	uA4558RC*	30	170m		7.5m	500n	800n	24	300k	20	2.0kØ	3.0MtØ	86	1.0	70	07	A338c	MP401b
24♦	uA4558TC	30	170m		7.5m	30n	800n	24	300k	24	10kØ	3.0MØ	86	1.0	70	07	A338b	MP487
25	MC1533F	30	170m	8.0ut	6.0m	500n	3.0u	17 §	500k	24	10kØ	4.0k	92	6.2 t	90	5C	A033	TO91
26	MC1533G	30	170m	8.0ut	6.0m	500n	3.0u	17 §	500k	24	10kØ	4.0k	92	6.2 t	90	5C	A033	CN10j
27	MC1533L	30	170m	8.0ut	6.0m	500n	3.0u	17 §	500k	24	10kØ	4.0k	92	6.2 t	90	5C	A033	MP139a
28	SG1458T	30	170m	15ut	6.0m§	200n§	500n§	24	300k	24	10kØ	800kØt	86	500mt	70	07	A014	TO99
29#	TBC1458	30	170m	15u	6.0m	300n	800n	24	300k	24	10kØ	14kt	86	800mt	70	5C		TO99
30	MC1458G*	30	170m	15ut	7.5m	300n	800n	24	300k	24	10kØ	1.1MtØ	86	500mt	70	5C	A014a	TO99
31	MC1458L*	30	170m	15ut	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	500mt	70	07	A014b	TO116
32	MC1458P1*	30	170m	15ut	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	500mt	70	07	A014c	MP161
33	MC1458P2*	30	170m	15ut	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	500mt	70	07	A014b	MP25c
34#	TBB1458	30	170m	15u	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	800mt	70	07	A405	CN1w
35#	TBB1458B	30	170m	15u	7.5m	300n	800n	24	300k	24	10kØ	14kt	86	800mt	70	07	A405a	MP189b
36	uPC251A*	30	170m	30u§	6.0m§	200n§	500n§	24		24	10kØ		88	500mt	70	28	A365	CN10e
37	AM406-2	30	180m		Δ	500p	1.0n	20	1.0Tt	20	20m	100MØt	98	35 t	70	07	A228	TO99
38	HA1-2400t	30	180m		7.0m	100n	400n	20	30Mt	20	20mt	40M§t	92	15 t	80	5C	A230	MP348
39	HA1-2404t	30	180m		7.0m	100n	400n	20	30Mt	20	20mt	40M§t	92	15 t	80	28	A230	MP348
40	LH0020CG	30	180m		7.5m	300n	800n	24	300k	28	300 Ø		94		90	08	A243	CN18c
41▼#	TCA680D	30	180m		8.0m§	30n§	100n§	26		24	1.0kØ	320k⧄t	89	15	70	07	A250	MP355
42	HA1-2405t	30	180m		11m	100n	500n	20	30Mt	20	20mt	40M§t	92	15 t	74	07	A230	MP348
43	HA2-2060A	30	180m		15mΔ	5.0n	10n	20	1.0Tt	20	20m	100M§t	98	35 t	74	5C	A228	TO99
44	HA2-2065A	30	180m		15mΔ	500p	1.0n	20	1.0Tt	20	20m	100M§t	98	35 t	70	07	A228	TO99
45	HA2-2060	30	180m		30mΔ	5.0n	10n	20	1.0Tt	20	20m	100M§t	98	35 t	74	5C	A228	TO99
46	ICL8007CTA	30	180m		60m	500f§t		20	10T	24	10kØ	1.0MtØ	86	6.0 t	70	07	A131	CN1f
47	HA2-2065	30	180m		65mΔ	500p	1.0n	20	1.0Tt	20	20m	100M§t	98	35 t	70	07	A228	TO99
48	uPC152A	30	180m		200m§		10p§	17 t		24	10kØ		80	400mt	70 t	28	A363	Δ002AK
49	360K$	30	180mt	100n	Δ	3.0n§		2.0 t	80kt	20 t	10mt	100 t	134		110 t	28	A266	MP432
50	260K	30	180mt	100n⧄	25ut§		300p§	40 Δ	80kt	20 t	10mt	100 t	133	100	106 t	28		MP5bh
51	3480K	30	180m	100n	25ut§		300p§	2.0	80kt	20	20m	100	140	100u	110 t	07		MP5cb
52	360J$	30	180mt	300n	Δ	3.0n§		2.0 t	80kt	20 t	10mt	100 t	134		110 t	28	A266	MP432
53	260J	30	180mt	300n⧄	25ut§		300p§	40 Δ	80kt	20 t	10mt	100 t	133	100	106 t	28		MP5bh
54	3480J	30	180m	300n	25ut§		300p§	2.0	80kt	20	20m	100	140	100u	110 t	07		MP5cb
55	180B	30	180m	500n	100u§	1.0n§	4.0n§	20	2.0M	20	5.0m	1.0MØ	110	600m	100	28		MP6u
56	180K	30	180m	500n	100u§	1.0n§	4.0n§	20	2.0M	20	5.0M	1.0MØ	110	600m	100	16		MP6u
57	A1072	30	180m	500n⧄	150u§Δ	20n§	20n§	19 §	600k	24	10m	400k§	113	200m	108	28	A044	MP42f
58	AD072A	30	180m	500n⧄	150uΔ§	20n§	20n§	19 §	600k	24	10m	400k§	113	200m	108	28	A044	MP42f
59	AD072B	30	180m	1.0u⧄	150uΔ§	20n§	20n§	19 §	600k	24	10m	400k§	113	200m	108	28	A044	MP42f
60	180J	30	180m	1.5u	250u§	1.0n§	4.0n§	20	2.0M	20	5.0m	1.0MØ	110	600m	100	16		MP6u
61	180A	30	180m	1.5u	1.0m§	1.0n§	4.0n§	20	2.0M	20	5.0m	1.0MØ	110	600m	100	28		MP6u
62	1712	30	180m	2.0u	Δ	5.0p§	5.0p§	30 t	1.0T	20	40m	7.0Mt§	140 t	20 t	80 t	28		MP162
63	1722	30	180m	2.0u	Δ	5.0p§	5.0p§	30 t	1.0T	20	40m	7.0Mt§	140 t	20 t	92 t	28		MP162
64	1023-01	30	180m	2.0u	700u§		2.0p§	20	100Gt	20	40m	2.0MØ	100	6.0	100	16		MP199m
65	uA714LHC	30	180m	3.0u	400u	40n	60n	26	8.0M	24	10kØ	1.2MØ	100	250mt	100	06	A174q	CN1d
66▼	3050S/01	30	180m	3.0u	3.0m	30m	400n	22	300kt	20	20	1.0MØ	93	1.2	90	5C		CN1c
67▼	3054S/01	30	180m	3.0u	3.0m	30m	400n	22	300kt	20	10	1.0MØ	93	1.2	90	5C		CN1c
68	1711	30	180m	5.0u	Δ	5.0p§	10p§	30 t	1.0T	20	40m	7.0Mt§	140 t	20 t	80 t	28		MP162
69	1721	30	180m	5.0u	Δ	5.0p§	10p§	30 t	1.0T	20	40m	7.0Mt§	140 t	20 t	92 t	28		MP162
70	AD520K	30	180m	5.0u	Δ	20n§	40n§	20 t	2.0Gt	20	10m	200kt	60	2.5	95	07	A264	MP⧄
71	AD520S	30	180m	5.0u	Δ	20n§	40n§	20 t	2.0Gt	20	10m	200kt	60	2.5	95	5C	A264	MP⧄
72	1023	30	180m	5.0u	700u§		5.0p§	20	100Gt	20	40m	2.0MØ	100	6.0	100	16		MP199m
73	ICL8007C1	30	180m	5.0u	2.0m§	500nt§		20	1.0Mt	24	10kØ	1.0MØ	94	3.0		07	A270	TO99
74▼	3050/01	30	180m	5.0u	3.0m	30m	400n	22	300kt	20	20	1.0MØ	93	1.2	90	5C		CN1c
75▼	3054/01	30	180m	5.0u	3.0m	30m	400n	22	300kt	20	10	1.0MØ	93	1.2	90	5C		CN1c
76	CA3140BS#1	30	180m	5.0ut	3.0m	10p§	30p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	94	9.0 t	86	5C	A378	CN46
77	CA3140BT#1	30	180m	5.0ut	3.0m	10p§	30p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	94	9.0 t	86	5C	A378	Δ002AL
78	CA3140AE#1	30	180m	6.0ut	3.0mt	20p§	40p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	86	9.0 t	70	5C	A378	MP446
79	CA3140AS#1	30	180m	6.0ut	3.0mt	20p§	40p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	86	9.0 t	70	5C	A378	CN46
80	CA3140AT#1	30	180m	6.0ut	3.0mt	20p§	40p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	86	9.0 t	70	5C	A378	Δ002AL
81	CA3140E#1	30	180m	8.0ut	10mt	30p§	50p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	86	9.0 t	70	5C	A378	MP446
82	CA3140H	30	180m	8.0ut	10mt	30p§	50p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	86	9.0 t	70	5C	A378	CH42
83	CA3140S#1	30	180m	8.0ut	15m§	30p§	50p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	86	9.0 t	70	5C	A378	CN46
84	CA3140T#1	30	180m	8.0ut	15m§	30p§	50p§	27 §	1.5Tt	26	2.0kØ	4.5Mt§	86	9.0 t	70	5C	A378	Δ002AL
85	1710	30	180m	10u	Δ	5.0p§	20p§	30 t	1.0T	20	40m	7.0Mt§	140 t	20 t	80 t	28		MP162
86	AD520J	30	180m	10u	Δ	40n§	80m§	20 t	2.0Gt	20	10m	200kt	60	2.5	95	07	A264	MP⧄
87	OP09EY*	30	180m	10u	800n	30n	350n	24	200k	22	2.0kØ	1.5MØ	100	700m	100	07	A401	MP14ak
88	OP11EY*	30	180m	10u	800u	30n	350n	24	200k	22	2.0kØ	1.5MØ	100	700m	100	07	A300	MP14ak
89	OP09AY*	30	180m	10u	1.0m	40n	375n	24	200k	22	2.0kØ	1.5MØ	100	700m	100	5C	A401	MP14ak
90	OP11AY*	30	180m	10u	1.0m	40n	375n	24	200k	22	2.0kØ	1.5MØ	100	700m	100	5C	A300	MP14ak
91	UA709AMJ	30	180m	10u	3.0m	500n	200n§	16	350k	24	10kØ		93		80	5C	A003	MP139b
92	ICL8007C4	30	180m	10u	10m§	500nt§		20	1.0Mt	24	10kØ	1.0MØ	94	3.0		07	A270	TO99
93	380K	30	180mt	15u	2.0mt§		50f§t	20 t	100Gt	20 t	10mt	600kΔt	100		100 t	28	A265	MP5f
94	ICL8007C2	30	180m	15u	2.0m§	500nt§		20	1.0Mt	24	10kØ	1.0MØ	94	3.0		07	A270	TO99
95	OP09FY*	30	180m	15u	3.0m	60n	550n	24	200k	22	2.0kØ	1.5MØ	100	700m	100	07	A401	MP14ak
96	OP11FY*	30	180m	15u	3.0m	60n	550n	24	200k	22	2.0kØ	1.5MØ	100	700m	100	07	A300	MP14ak
97	OP09BY*	30	180m	15u	3.5m	80n	650n	24	200k	22	2.0kØ	1.5MØ	100	700m	100	5C	A401	MP14ak
98	OP11BY*	30	180m	15u	3.5m	80n	650n	24	200k	22	2.0kØ	1.5mØ	100	700m	100	5C	A300	MP14ak
99	ICL8007C5	30	180m	15u	10m§	500nt§		20	1.0Mt	24	10kØ	1.0MØ	94	3.0		07	A270	TO99
100	HA2-2500	30	180m	20ut	8.0m	50n	400n	20	25M	20	20m	12M§t	86	25	80	5C	A231	TO99
101	HA9-2500	30	180m	20ut	8.0m	50n	400n	20	25M	20	20m	12M§t	86	25	80	5C	A231	TO86
102	3505J	30	180m	20ut	10m	100n	500n	20	20M	20	20m	12M§t	88	20	74	06	A174g	TO99
103	HA2-2502	30	180m	20ut	10m	100n	500n	20	20M	20	20m	12M§t	82	20	74	5C	A231	TO99
104	HA2-2505	30	180m	20ut	10m	100n	500n	20	20M	20	20m	12M§t	82	20	74	07	A231	TO99
105	HA9-2502	30	180m	20ut	10m	100n	500n	20	20M	20	20m	12M§t	82	20	74	5C	A231	TO86
106	HA2-2510	30	180m	20ut	11m	50n	400n	20	50M	20	20m	12M§t	80	50	80	5C	A231	TO99
107	HA2-2520	30	180m	20ut	11m	50n	400n	20	50M	20	20m	20M§t	80	100	80	5C	A231	TO99
108	HA9-2510	30	180m	20ut	11m	50n	400n	20	50M	20	20m	12M§t	80	50	80	5C	A231	TO86
109	HA9-2520	30	180m	20ut	11m	50n	400n	20	50M	20	20m	20M§t	80	100	80	5C	A231	TO86
110	AD509JH	30	180m	20ut	14m	100n	500n	20	40M	20	2.0kØ	20MtØ	78	80	74	07	A071	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	380J	30	180m†	25u	2.0m†§		150f§†	20 †	100G†	20 †	10m†	600kΔ†	100		100 †	28	A265	MP5f
2	HA2-2512	30	180m	25u†	14m	100n	500n	20	40M	20	20m	12M§†	77	40	74	5C	A231	TO99
3	HA2-2522	30	180m	25u†	14m	100n	500n	20	40M	20	20m	20M§†	77	80	74	5C	A231	TO99
4▼	HA3-2507	30	180m	25u	14m	100n	500n	20	20M	20	20m	12M	82	15	74	07	A231	MP549
5	HA9-2512	30	180m	25u†	14m	100n	500n	20	40M	20	20m	12M§†	77	40	74	5C	A231	TO86
6	HA9-2522	30	180m	25u†	14m	100n	500n	20	40M	20	20m	20M§†	77	80	74	5C	A231	TO86
7	3503B	30	180m	25u	20m§	2.0p†§	10p§	22	100G†	20	10m	1.0M†Ø	90	2.5	86 †	28		TO99
8	3503S	30	180m	25u	20m§	2.0p†§	10p§	22	100G†	20	10m	1.0M†Ø	90	2.5	86 †	5C		TO99
9	AM452-2	30	180m	30u†	Δ	100n	500n	20	40M	20	20m	20MØ†	78	80	74	07	A228	TO99
10	ICL8007C3	30	180m	30u	4.0m§	500n†§		20	1.0M†	24	10kØ	1.0MØ	94	3.0		07	A270	TO99
11	1322	30	180m	30u†	10m§	50n§	250n§	20	40M	20	20m	20M†§	76	80	90 †	07		TO99
12	AD509KH	30	180m	30u	11m	50n	400n	20	50M	20	2.0kØ	20M†Ø	80	80	80	07	A071	TO99
13	AD509SH	30	180m	30u	11m	50n	400n	20	50M	20	2.0kØ	20M†Ø	80	100	80	5C	A071	TO99
14	3507J	30	180m	30u†	14m	100n	500n	20	40M	20	20m	20M§†	77	80	74	06	A174g	TO99
15	HA2-2515	30	180m	30u†	14m	100n	500n	20	40M	20	20m	12M§†	77	40	74	07	A231	TO99
16	HA2-2525	30	180m	30u†	14m	100n	500n	20	40M	20	20m	12M§†	77	80	74	07	A231	TO99
17▼	HA3-2517	30	180m	30u	14m	100n	500n	20	40M	20	20m	12M	80	30	74	07	A231	MP549
18▼	HA3-2527	30	180m	30u	14m	100n	500n	20	40M	20	20m	20M	80	60	74	07	A231	MP549
19	1433-01	30	180m	30u†	60m	20p§	20p	20	1.0T	20	20m	60M§	98	15	74	5C		CN1d
20	1300	30	180m	40u	5m	30n§	1.0u	22	210k	20	4.0m	1.0MØ	80	600n	72	2A		MP39
21	1301	30	180m	40u	5m	30n§	1.0u	22	210k	20	4.0m	1.0MØ	80	600n	72	2A		CN1
22	1303	30	180m	40u	5m	30n§	1.0u	22	210k	20	4.0m	1.0MØ	80	600n	72	2A		MP39
23	1439	30	180m	50u§	30m§	200ft§	1.0p§	20	10T	20	10m	1.0M†Ø	86		86	07		CN1d
24	3503C	30	180m	50u	30m§	500ft§	1.0p§	22	100G†	20	10m	1.0M†Ø	90	2.5	86 †	28		TO99
25	FA550	30	180m	50u§	30m		1.0p§	20	1.0TØ	20	20m	8.0M	83	120	90	07	A307	TO99
26	ICL8007ACTV	30	180m	50u	30m§	1.0p§		20	1.0T†	20	10m	1.0M†Ø		2.5m	86	07	A174m	TO99
27	ICL8007AMTV	30	180m	50u	30m§	1.0p§		20	1.0T†	20	10m	1.0M†Ø		2.5m	86	5C	A174m	TO99
28♦	1433	30	180m	70u†	60m	500p	1.0n	20	1.0T†	20	20m	60M§	98	15	74	07		TO99
29	3503A	30	180m	75u	50m§	5.0pt§	25p§	22	100G†	20	10m	1.0M†Ø	86	2.5	86 †	28		TO99
30	3503R	30	180m	75u	50m§	5.0pt§	25p§	22	100G†	20	10m	1.0M†Ø	90	2.5	86 †	5C		TO99
31	3540J	30	180m†	75u	50m§	.50p§	50p§	20	10G	20		1.0MØ	86	6.0	70	06	A174h	TO99
32	AD8007C	30	180m	75u	50m		50p§	20	1.0T†	20	25m	1.0MØ	86	6.0	70	07	A174b	TO99
33▼	ICL8007CBH	30	180m	75u	50m§	500f§†	50p§	20	1.0T†	20	2.0kØ	1.0M†Ø	86	6.0 †	70	07	A270	FP60
34▼	ICL8007CTV	30	180m	75u	50m§	500f§	50p§	20	1.0T†	20	2.0kØ	1.0M†Ø	86	6.0 †	70	07	A174h	TO99
35	ICL8043CDE	30	180m	75u	60m	500f§†		20	1.0T	24	10kØ	1.0MØ†	86	6.0 †	70	07	A224	MP341
36	ICL8043CPE	30	180m	75u	60m	500f§†		20	1.0T	24	10kØ	1.0MØ†	86	6.0 †	70	07	A224	MP342
37	SE5534AT	30	195m		3.0m	500n	1.5u	24	50k	24	600 Ø	10M†	94	13 †	80	5C	A409a	CN1g
38	SE5534T	30	195m		3.0m	500n	1.5u	24	50k	24	600 Ø	10M†	94	13 †	80	5C	A409a	CN1g
39▼#	TDA1034NB	30	195m		4.0m§	200n§	800n§	24	30k	24	600 Ø	10M†Ø	89	6.0 †	80	28	A386	MP491a
40▼#	TDA1034ND	30	195m		4.0m§	200m§	800n§	24	30k	24	600 Ø	10M†Ø	89	6.0 †	80	28	A386	MP355
41	DA18	30	195m	2.0u	Δ	5.0n		22	600k	22	4.4m	1.5MØ	92 †	900m	96 †	5A		MP5h
42▼	HA1-4625-5*	30	195m	2.0u†	3.5m	120n	400n	24	500k†	20	16m	70M§		11	80	07	A358	MP⧄
43	HA1-4605-5*	30	195m	2.0u†	4.0m	120n	400n	24		24	10kØ	8.0MØ†	97	4.0u†	80	07	A358	MP14ah
44	1755	30	195m	5.0u		25n	150n	18	500k			10MØ	90	9.0	10k	5C		MP5s
45	DB18	30	195m	5.0u	Δ	5.0n		22	600k	22	4.4m	1.5MØ	92 †	900m	96 †	5A		MP5h
46	D18	30	195m	10u	Δ	5.0n		22	600k	22	4.4m	1.5MØ	92 †	900m	96 †	5A		MP5h
47	DC8	30	195m	10u	Δ	20n		22	200k	22	4.4m	5.0MØ	95 †	1.1	97 †	5A		MP5g
48	DC16	30	195m	10u	Δ	2.0n		22	40M	22	4.4m	1.0MØ	100 †	600m	110 †	5A		MP5h
49	D12	30	195m	15u	Δ	30n		22	200k	22	4.4m	1.0MØ	100 †	700m	74 †	28		MP5h
50	D8	30	195m	20u	Δ	20n		22	200k	22	4.4m	5.0MØ	95 †	1.1	97 †	5A		MP5g
51	D16	30	195m	20u	Δ	2.0n		22	40M	22	4.4m	1.0MØ	100 †	600m	110 †	5A		MP5h
52	D7	30	195m	25u	Δ	30n		22	200k	22	4.4m	1.0MØ	100 †	700m	74 †	28		MP5h
53	D3	30	195m	45u	Δ	6.0n		20	30M	22	4.4m	1.0MØ	100 †	600m	110 †	5A		MP5h
54#	SFC2709DC	30	198m	6.0u†	10m	750n⧄	2.0u⧄	16	50k	24	10kØ		83	250m†	65	07		MP48
55#	SFC2709EC	30	198m	6.0u†	10m	750n⧄	2.0u⧄	16	50k	24	10kØ		83	250m†	65	07	A003	TO116
56	LM709CH	30	198m	12u	10m	400n⧄	2.0u⧄	16	50k	24	10kØ		84	250m†	65	07	A003	CN1d
57	LM709CJ	30	198m	12u⧄	10m	750n	2.0u	16	50k	24	10kØ		84	250m†	65	07	A003	MP319b
58	LM709CN	30	198m	12u	10m	400n	2.0u	16	50k	24	10kØ		84	250m†	65	07	A003	MP39n
59#	SFC2709ET	30	198m	20u	7.5m	300n§	750n§	16	70k	24	10kØ		87	250m†	65	28	A003	TO116
60#	SFC2709T	30	198m	20u	7.5m	300n§	750n§	16	70k	24	10kØ		87	250m†	65	28	A003	TO99
61	AD512J	30	198m	20u	510m	50n	200n	24	1.0M	24	1.0kØ		90	500m†	80	07	A174	TO99
62	AD512K	30	198m	20u	510m	50n	200n	24	1.0M	24	1.0kØ		90	500m†	80	07	A174	TO99
63	AD512S	30	198m	25u	510m	50n	200n	24	1.0M	20	1.0kØ		90	500m†	80	5C	A174	TO99
64	AD505JH	30	200m		5.0m		75n	22	2.0M	24	5.0m	12M	100	120				TO100
65	AD507JH	30	200m		5.0m	25n	25n	22	40M	24	5.0m	35M	96	20	74			TO99
66	XR4741M*	30	200m		5.0m	75n	325n	24	5.0M†	20	2.0kØ	3.5MØ†	94	1.6 †	80	5C	A300	MP319c
67	XR4739CN*	30	200m		6.0m	200n	500n	24	300k	20	2.0kØ	3.0MØ†	86	1.0 †	70	07	A399	MP319c
68	XR4739CP*	30	200m		6.0m	200n	500n	24	300k	20	2.0kØ	3.0MØ†	86	1.0 †	70	07	A399	MP402
69	XR4741CN*	30	200m		6.5m	100n	400n	24	5.0M†	20	2.0kØ	3.5MØ†	88	1.6 †	80	07	A300	MP319c
70	XR4741CP*	30	200m		6.5m	100n	400n	24	5.0M†	20	2.0kØ	3.5MØ†	88	1.6 †	80	07	A300	MP402
71#	M51709T	30	200m		7.5m§	500n§	1.5u§	1.6	50k	24			83		65	27	A003	TO78
72	MCC1709C	30	200m		7.5m§	500n§	1.5u§	20 †	250k†	24	10kØ		83	250m†	90 †	5C	A003	CH9
73	MCCF1709C	30	200m		7.5m§	500n§	1.5u§	20 †	250k†	24	10kØ		83	12 †	90 †	07	A043	CH21
74	RC709NB	30	200m		7.5m§	200n§	1.5u§	20	250k†	24	10kØ	1.0MØ†	83	400m†	65	07		MP401k
75	ULN2139D	30	200m		9.0m	115n	1.2u	22	100k	20	2.0kØ	10k	86	800m	80	59	A174e	TO99
76	ULN2139G	30	200m		9.0m	115n	1.2u	22	100k	20	2.0kØ	10k	86	800m	80	59	A172d	FP⧄
77	ULN2139H	30	200m		9.0m	115n	1.2u	22	100k	20	2.0kØ	10k	86	800m	80	59	A173f	MP⧄
78	ULN2139M	30	200m		9.0m	115n	1.2u	22	100k	20	2.0kØ	10k	86	800m	80	59	A200b	MP⧄
79	LTA709C	30	200m		10m	750n	2.0u	16	50k	24	10kØ		81		65	07		MP255
80#	MB3602C	30	200m		10m	750n	2.0u	15	50k	24	10kØ		84		65	07	A003	MP319d
81#	MB3602K	30	200m		10m	750n	2.0u	15	50k	24	10kØ		84		65	07	A003	TO78
82#	MB3602M	30	200m		10m	750n	2.0u	15	50k	24	10kØ		84		65	07	A003	MP250a
83	MC1709CF	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A043	TO91
84	MC1709CG	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A043	CN1p
85	MC1709CL	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A043	TO116
86	MC1709CP1	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A043	MP404
87	MC1709CP2	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A043	MP307
88	RC709DC	30 ♦	200m		10m	750n	2.0u	20	250k†	24	10kØ	1.0MØ†	83	400m†	65	07	A003	MP153g
89	RC709T	30 ♦	200m		10m	750n	2.0u	20	250k†	24	10kØ	1.0MØ†	83	400m†	65	07	A003	TO99
90	SN72709FA	30	200m		10m	750n	2.0u	16	50k	24	10kØ		84		65	5C	A003	FP2t
91	SN72709J	30	200m		10m	750n	2.0u	16	50k	24	10kØ		84		65	5C	A003	TO116
92	SN72709L	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	TO99
93	SN72709N	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	MP39h
94	SN72709P	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	MP161
95#	TAA521Δ	30	200m		10m	750n	2.0u	20	50k	20	2.0kØ		81	300m†	65	07	A124	TO99
96#	TAA521A	30	200m		10m	750n	2.0u	20	50k	20	2.0kØ		81	300m†	65	07	A124a	MP39g
97	uA709A	30	200m		10m	750n	2.0u	16	50k	24	2.0kØ		83		65	07	A043	TO116
98	uA709CJ	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	MP139b
99	uA709CJG	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	MP401d
100	uA709CL	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	CN1k
101	uA709CN	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	MP598
102	uA709CP	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	MP267d
103	uA709CT	30	200m		10m	750n	2.0u	16	50k	24	2.0kØ		83		65	07	A043	TO99
104	uA709CU	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A003	Δ004AE
105	uA709CV	30	200m		10m	750n	2.0u	16	50k	24	2.0kØ		83		65	07	A043	MP216
106	uA709DC	30	200m		10m	750n	2.0u	16	50k	24	10kØ		84		65	07	A003	MP486b
107	uA709HC	30	200m		10m	750n	2.0u	16	50k	24	10kØ		84		65	07	A003	CN1d
108	UA709CJ	30	200m		10m	750n	2.0u	16	50k	24	10kØ		93		65	07	A003	MP139b
109#	ZLD709C	30	200m		10m	750n	2.0u	16	50k	20			83		65	07	A081	TO78
110#	ZLD709CE	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A081	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1#	ZLD709CF	30	200m		10m	750n	2.0u	16	50k	20			83		65		A081	FP2j
2#	ZLD709CG	30	200m		10m	750n	2.0u	16	50k	24	10kØ		83		65	07	A081	FP2j
3	3002	30	200m†	600n§	Δ	200p§	10n§	30	300M†	28 †	10m†	2.0M†	146 †	500m†	100 †	5C	A062	MP49
4	MCC1439	30	200m	3.0u†§	7.5m§	100n§	1.0u§	24 †	300k†	20	2.0kØ	50k†	83	4.2 †	110 †	5C	A037	CH4
5	HEPC6053G-RT	30	200m	5.0u†	7.5m§	150n☒							83			07	A037	TO99
6	HEPC6053L-RT	30	200m	5.0u†	7.5m§	150n☒	1.5u☒	22	100k	20		1.0k	83	4.2 †	80	07	A037	TO116
7	ULN2139C	30	200m	5.0u	7.5m§	100n§	1.0u§	22	100k	20	2.0kØ	50k†	100 †		100 †	07	A169	
8#	TL1709C	30	200m	6.0u†	10m	750n	2.0u	160	50k	2.4	10kØ	10k	83	250m†	65	07	A043	TO99
9#	TL3709C	30	200m	6.0u†	10m	750n	2.0u	160	50k	24	10kØ	10k	83	250m†	65	07	A043	MP39f
10	AD505KH	30	200m	15u	2.5m		25n	22	2.0M	24	5.0m	12M	104	120				TO100
11	AD507KH	30	200m	15u	3.0m	15n	15n	22	40M	24	5.0m	35M	100	25	80			TO99
12	AD505SH	30	200m	20u	2.5m		25n	22	2.0M	24	5.0m	12M	104	120				TO100
13	MC1439G	30	201m	5.0u†	7.5m§	150n	1.0u§	22	100k	20	2.0kØ	10k	84	4.2 †	80	07	A037	TO99
14	MC1439L	30	201m	5.0u†	7.5m§	150n	1.0u§	22	100k	20	2.0kØ	10k	84	4.2 †	80	07	A037	TO116
15	MC1439P1	30	201m	5.0u†	7.5m§	150n	1.0u§	22	100k	20	2.0kØ	10k	84	4.2 †	80	07	A037	MP161
16	MC1439P2	30	201m	5.0u†	7.5m§	150n	1.0u§	22	100k	20	2.0kØ	10k	84	4.2 †	80	07	A037	TO116
17▼	RM4531DC	30	210m		6.0m	500n	1.5u	20	300k	20	2.0kØ		96	35 †	70	5C	A211	MP153g
18	RM4531T	30	210m		6.0m	500n	1.5u	20	30	20	2.0kØ		93	35 †	70	5C	A211	TO99
19	SE531T	30	210m		6.0m	500n☒	1.5u☒	20	20M†	20	2.0kØ	500k†	93	35 †	70	5C		CN1g
20	AM715DM	30	210m		7.5m	800n	4.0u	20	1.0M†	20	2.0kØ		80	15	74	5C	A158	MP14ad
21	AM715HM	30	210m		7.5m	800n	4.0u	20	1.0M†	20	2.0kØ		80	15	74	5C	A158	TO100
22	MC4741CL	30	210m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A014	TO116
23	MC4741CP	30	210m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A014	MP307
24	uA715DM	30	210m		7.5m	800n	4.0u	20	1.0M†	20	2.0kØ		84	70 †	74	5C	A106	MP486b
25	uA715HM	30	210m		7.5m	800n	4.0u	20	1.0M†	20	2.0kØ		84	70 †	74	5C	A106	TO100
26	MCCF3303*	30	210m		8.0m§	75n§	500n§	30 Δ		20	2.0kØ		86		70	48	A300	CH39
27#	TCA680	30	210m		8.0m§	30n§	100n§	26		22	1.0kØ	320k†	89	15	70	07	A250	TO99
28#	TCA680B	30	210m		8.0m§	30n§	100n§	26		22	1.0kØ	320k†	89	15	70	07	A250	MP267a
29	MCCF3403*	30	210m		10m§	50n§	500n§	30 Δ		20	2.0kØ		86		70	07	A300	CH39
30	261K	30	210m	100n	25u§		300p§	2.0	40k†	20	10m	100	140	100	110	28		MP5bh
31	261J	30	210m	300n	25u§		300p§	100m	40k†	20	10m	100	140	100	110	28		MP5bh
32	605L	30	210m	500n§	Δ	20n§	100m§	20 †	1.0G†	20	10m	3.0k†	60	100m†	94	07		MP425
33	605K	30	210m	1.0u§	Δ	20n§	100n§	20 †	1.0G†	20	10m	3.0k†	60	100m†	94	07		MP425
34	107A1	30	210m	1.0u§	200u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		MP6r
35	247A1	30	210m	1.0u	200u§		100n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	5C		CN2f
36	1732	30	210m†	2.0u		10n†	60n	20	300k†	20	4.0m	5.0MØ†	93	6.0 †	80	58		MP5y
37	007A2	30	210m	2.0u§	200u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		FP15
38	107A2	30	210m	2.0u§	200u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		MP6r
39	247A2	30	210m	2.0u	200u§		100n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	5C		CN2f
40	605J	30	210m	3.0u§	Δ	20n§	100n§	20 †	1.0G†	20	10m	3.0k†	60	100m†	94	07		MP425
41	1842	30	210m†	5.0u	Δ	30p†	50p	20	100G†	20	10m	1.5MØ†	109	3.0 †	73	08		MP5ak
42	HB50	30	210m	5.0u	Δ		5.0p	20	100G	20	10m	4.0MØ	86	3.0	70	5C		CN2
43	007B1	30	210m	5.0u§	500u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		FP15
44	107B1	30	210m	5.0u§	500u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		MP6r
45	247B1	30	210m	5.0u	500u§		100n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	5C		CN2f
46	DB25	30	210m†	5.0u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
47	OP16EJ	30	210m	5.0u	750u	700p	900p	21	1.0T†	22	2.0kØ	19MØ†	100	18	86	07	A174	TO99
48	OP17EJ	30	210m	5.0u	750u	700p	900p	21	1.0T†	22	2.0kØ	11MØ†	100	45	86	07	A174	TO99
49	OP16AJ	30	210m	5.0u	900u	8.5n	11n	21	1.0T†	22	2.0kØ	19MØ†	100	18	86	5C	A174	TO99
50	OP17AJ	30	210m	5.0u	900u	8.5n	11n	21	1.0T†	22	2.0kØ	11MØ†	100	45	86	5C	A174	TO99
51	008A1	30	210m	5.0u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
52	108A1	30	210m	5.0u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
53	248A1	30	210m	5.0u	1.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
54▼	LF156AT	30	210m	5.0u	2.0m§	10p§	50p§	22	1.0T†	24	10kØ	4.0M§	94	10	85	5C	A418	CN1g
55▼	LF157AT	30	210m	5.0u	2.0m§	10p§	50p§	22	1.0T†	24	10kØ	15M§	94	40	85	5C	A418	CN1g
56	uAF156AHM	30	210m	5.0u†	2.0m	10p§	50p§	22	1.0T†	24	10kØ	5.0M§	94	15 †	85	5C	A327	CN1d
57	uAF157AHM	30	210m	5.0u†	2.0m	10p§	50p§	22	1.0T†	24	10kØ	2.5MØ	94	75 †	85	5C	A327	CN1d
58	uAF357AHC	30	210m	5.0u†	2.0m	10p§	50p§	22	1.0T†	24	10kØ	25MØ	94	75 †	85	07	A327	CN1d
59	PM356AJ	30	210m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	20	2.0kØ	4.0M§	94	10	85	07	A174	TO99
60	PM357AJ	30	210m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	20	2.0kØ	15M§	94	40	85	07	A174	TO99
61▼	LD156A	30	210m	5.0u	2.5m	10p§	50p§	22	1.0T†	24	10kØ	4.5M†§	106 †	10	85	5C	A349	CH☒
62▼	LD157A	30	210m	5.0u	2.5m	10p§	50p§	22	1.0T†	24	10kØ	20M†§	106 †	40	85	5C	A349	CH☒
63▼	LF156AF	30	210m	5.0u	2.5m	10n	25n	22	10T†	24	10kØ	4.5M†§	96	10	85	5C	A349b	FP2z
64	LF156AH	30	210m	5.0u	2.5m	10p	50p	22	1.0T	24	10kØ	4.0M§	94	10	85	5C	A349a	CN1d
65	LF156AJG	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	24	10kØ	4.0MØ	94	10	85	5C	A349	MP401d
66	LF156AL	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	24	10kØ	4.0MØ	94	10	85	5C	A349a	CN1k
67▼	LF157AF	30	210m	5.0u	2.5m	10n	25n	22	10T†	24	10kØ	20M†§	96	40	85	5C	A349b	FP2z
68	LF157AH	30	210m	5.0u	2.5m	10p	50p	22	1.0T	24	10kØ	15M§	94	40	85	5C	A349a	CN1d
69	LF157AJG	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	24	10kØ	15MØ	94	40	85	5C	A349	MP401d
70	LF157AL	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	24	10kØ	15MØ	94	40	85	5C	A349a	CNIk
71	PM156AJ	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	20	2.0kØ	4.0M§	94	10	85	5C	A174	TO99
72	PM157AJ	30	210m	5.0u	2.5m	10n	25n	22	1.0T†	20	2.0kØ	15M§	94	40	85	5C	A174	TO99
73	1339-02	30	210m	5.0u†	3.0m§	60n§	500n§	22	100k	20	20m	1.0MØ†	93	34 †	80	5C		TO99
74▼	LF156T	30	210m	5.0u	5.0m§	20p§	100p§	22	1.0T†	24	10kØ	5.0M§†	94	7.5	85	5C	A418	CN1g
75▼	LF157T	30	210m	5.0u	5.0m§	20p§	100p§	22	1.0T†	24	10kØ	20M§†	94	30	85	5C	A418	CN1g
76▼	LF256T	30	210m	5.0u	5.0m§	20p§	100p§	22	1.0T†	24	10kØ	5.0M§†	94	7.5 †	85	28	A418	CN1g
77▼	LF257T	30	210m	5.0u	5.0m§	20p§	100p§	22	1.0T†	24	10kØ	20M§†	94	30 †	85	28	A418	CN1g
78	RV4156DB*	30	210m	5.0u†	5.0m§	50n§	300n§	24	5.0M†	20	10m	2.8MØ	88	1.3	80	48		MP153f
79	RV4156DC*	30	210m	5.0u†	5.0m§	50n§	300n§	24	5.0M†	20	10m	2.8MØ	88	1.3	80	48		MP153g
80	uAF156HM	30	210m	5.0u†	5.0m	20p§	100p§	22	1.0T†	24	10kØ	5.0MØ	94	15 †	85		A327	CN1d
81	uAF157HM	30	210m	5.0u†	5.0m	20p§	100p§	22	1.0T†	24	10kØ	25MØ	94	75 †	85	5C	A327	CN1d
82	HA1-4741-5*	30	210m	5.0u†	6.5m	100n	400n	24	5.0M†	20	10m	3.5MØ†	88	1.6 †	80	07	A330	MP153d
83▼	HA1-4741-5DC*	30	210m	5.0u†	6.5m	75n	325n	24	500k	20	10m	3.5M†Ø	96	1.6 †	80	07	A300	MP153g
84▼	HA3-4741-5DB*	30	210m	5.0u†	6.5m	75n	325n	24	500k	20	10m	3.5M†Ø	96	1.6 †	80	07	A300	MP39d
85▼	LF256DE	30	210m	5.0u†	6.5m	1.0n	5.0n	22	10T†	24	10kØ	5.0M†§	96	7.5	85	28	A349	MP659
86	LF256H	30	210m	5.0u†	6.5m	20p	100p	22	1.0T	24	10kØ	5.0M§†	94	7.5	85	28	A349a	CN1d
87▼	LF256J	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	5.0M†§	91	7.5	85	28	A349	MP401a
88▼	LF256N	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	5.0M†§	91	7.5	85	28	A349	MP161a
89♦	LF257DE	30	210m	5.0u†	6.5m	1.0n	5.0n	22	10T†	24	10kØ	20M†§	96	30	85	28	A349	MP659
90	LF257H	30	210m	5.0u†	6.5m	20p	100p	22	1.0T	24	10kØ	20M§†	94	30	85	28	A349a	CN1d
91▼	LF257J	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	20M†§	91	30	85	28	A349	MP401a
92▼	LF257N	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	20M†§	91	30	85	28	A349	MP161a
93▼	LF356BH	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	5.0M†§	91	7.5	85	07	A349a	CN1d
94▼	LF356BJ	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	5.0M†§	91	7.5	85	07	A349	MP401a
95▼	LF356BN	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	5.0M†§	91	7.5	85	07	A349	MP161a
96▼	LF357BH	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	20M†§	91	30	85	07	A349a	CN1d
97▼	LF357BJ	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	20M†§	91	30	85	07	A349	MP401a
98▼	LF357BN	30	210m	5.0u†	6.5m	1.0n	5.0n	22	1.0T†	20	10m	20M†§	91	30	85	07	A349	MP161a
99	PM256J	30	210m	5.0u	6.5m	1.0n	5.0n	22	1.0T†	20	2.0kØ	5.0M§†	94	7.5	85	28	A174	TO99
100	PM257J	30	210m	5.0u	6.5m	1.0n	5.0n	22	1.0T†	20	2.0kØ	20M§†	94	30	85	28	A174	TO99
101	RC4156DB	30	210m	5.0u†	6.5m	100n	400n	24	5.0M†	20	10m	2.8MØ	88	1.3	80	07		MP153f
102	RC4156DC	30	210m	5.0u†	6.5m	100n	400n	24	5.0M†	20	10m	2.8MØ	88	1.3	80	07		MP153g
103♦	RC4157DB*	30	210m	5.0u	6.5m	100n	400n	24	500k	20	2.0kØ	15M§	87	6.5	80	07		MP39d
104▼	RC4157DC*	30	210m	5.0u	6.5m	100n	400n	24	500k	20	2.0kØ	15M§	87	6.5	80	07		MP153g
105▼	RV4157DB*	30	210m	5.0u	6.5m	100n	400n	24	500k	20	2.0kØ	15M§	87	6.5	80	48		MP39d
106▼	RV4157DC*	30	210m	5.0u	6.5m	100n	400n	24	500k	20	2.0kØ	15M§	87	6.5	80	48		MP153g
107▼	LD156	30	210m	5.0u†	7.0m	20p§	100p§	22	1.0T†	24	10kØ	5.0M†§	106 †	7.5	85	5C	A349	CH☒
108▼	LD157	30	210m	5.0u†	7.0m	20p§	100p§	22	1.0T†	24	10kØ	20M†§	106 †	30	85	5C	A349	CH☒
109▼	LF156F	30	210m	5.0u†	7.0m	20n	50n	22	10T†	24	10kØ	5.0M†§	96	7.5	85	5C	A349b	FP2z
110	LF156H	30	210m	5.0u†	7.0m	20p	100p	22	1.0T	24	10kØ	5.0M†§	94	7.5	85	5C	A349a	CN1d

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1▼	LF156J	30	210m	5.0u†	7.0m	20n	50n	22	1.0T†	20	10m	5.0M†§	91	7.5	85	5C	A349	MP401a
2	LF156JG	30	210m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10kØ	4.5MØ†	94	7.5	85	5C	A349	MP401d
3	LF156L	30	210m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10kØ	4.5MØ†	94	7.5	85	5C	A349a	CN1k
4▼	LF157F	30	210m	5.0u†	7.0m	20n	50n	22	10T†	24	10kØ	20M†§	96	30	85	5C	A349b	FP2z
5	LF157H	30	210m	5.0u†	7.0m	20p	100p	22	1.0T	24	10kØ	20M§†	94	30	85	5C	A349a	CN1d
6▼	LF157J	30	210m	5.0u†	7.0m	20n	50n	22	1.0T†	20	10m	20M†§	91	30	85	5C	A349	MP401a
7	LF157JG	30	210m	5.0u†	7.0m	20n	50n	22	1.0T†	24	10kØ	20MØ†	94	30	85	5C	A349	MP401d
8	PM156J	30	210m	5.0u	7.0m	20n	50n	22	1.0T†	20	2.0kØ	5.0M§†	94	7.5	85	5C	A174	TO99
9	PM157J	30	210m	5.0u	7.0m	20n	50n	22	1.0T†	20	2.0kØ	20M§†	94	30	85	5C	A174	TO99
10	1339-01	30	210m	5.0u†	7.5m§	60n§	600n§	22	100k	20	20m	1.0MØ†	92	34 †	80	07		TO99
11	1841	30	210m†	10u	Δ	30p†	50p	20	100G†	20	10m	1.5MØ†	109	3.0 †	73	08		MP5ak
12	HC50	30	210m	10u	Δ		5.0p	20	100G	20	10m	4.0MØ	86	3.0	70	5C		CN2
13	007A1	30	210m	10u§	200u§		150n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		FP15
14	DC25	30	210m†	10u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
15	007C1	30	210m	10u§	1.0m§		200n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		FP15
16	008A2	30	210m	10u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
17	107C1	30	210m	10u§	1.0m§		200n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	28		MP6r
18	108A2	30	210m	10u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
19	247C1	30	210m	10u	1.0m§		100n§	22	500k†	20	10m	2.0MØ	100	2.0	100 †	5C		CN2f
20	248A2	30	210m	10u	1.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
21	C118A	30	210m	10u	1.0m§		5.0p§	20	100G†	20	10m	500kØ	88	500m	86 †	28		MP6s
22	C218A	30	210m	10u	1.0m§		5.0p§	20	100G†	20	10m	500kØ†	88	500m†	86 †	28		CN2j
23	OP16FJ	30	210m	10u	1.5m	1.1n	1.4n	21	1.0T†	22	2.0kØ	18MØ†	98	12	86	07	A174	TO99
24	OP17FJ	30	210m	10u	1.5m	1.1n	1.4n	21	1.0T†	22	2.0kØ	10MØ†	98	35	86	07	A174	TO99
25	OP16BJ	30	210m	10u	2.0m	15n	18n	21	1.0T†	22	2.0kØ	18MØ†	98	12	86	5C	A174	TO99
26	OP17BJ	30	210m	10u	2.0m	15n	18n	21	1.0T†	22	2.0kØ	10MØ†	98	35	86	5C	A174	TO99
27♦	ICL8017MTW	30	210m	10u†	6.0m		500n	30 Δ		20	2.0kØ	10M†Ø	87	130 †		5C	A163	TO100
28	MC3303L	30	210m	10u†	10m	250n	1.0u	30 Δ	300k	24	10kØ	1.0M†	86	600m†	70	48	A292	TO116
29	MC3303P	30	210m	10u†	10m	250n	1.0u	30 Δ	300k	24	10kØ	1.0M†	86	600m†	70	48	A292	MP307
30	XR3403CN*	30	210m	10u	10m	200n	800n	28 §	300k	24	10kØ	1.0M†	86	600m†	70	07	A300	MP402
31	XR3403CP*	30	210m	10u	10m	200n	800n	28 §	300k	24	10kØ	1.0M†	86	600m†	70	07	A300	MP402
32	MC3403L*	30	210m	10u†	12m	200n	800n	30 Δ	1.0M†	24	10kØ	1.0M†	86	.60 †	70	07	A292	TO116
33	MC3403P*	30	210m	10u†	12m	200n	800n	30 Δ	1.0M†	24	10kØ	1.0M†	86	.60 †	70	07	A292	MP307
34	1339	30	210m	12u†	7.5m§	100n§	1.0u§	22	100k	20	10m	1.0MØ†	83	34 †	80	07		TO99
35	45K	30	210m	15u	Δ	10p	25p	20	100G	20	20m	1.0M	100	75	74	28		MP5s
36	1614	30	210m†	15u	Δ	50n†	100p	20 †	100k†	20	10m	4.0MØ	86	1.5	80	28		MP5y
37	A45K	30	210m	15u	Δ		25p§	20	100G	20	40m	1.0M	94	75	74 †	28	A053	MP42d
38	AD518K	30	210m	15u	6.0m	100n	400n	23 †	500k	24	20m	12M†Ø	94	50	80	07	A174b	TO99
39▼	MC3405L§*	30	210m	15u†	12m	200n	800n	28 §		20	2.0kØ	1.0 †Ø	84	600m†	70	07	A415	TO116
40▼	MC3405P§*	30	210m	15u†	12m	200n	800n	28 §		20	2.0kØ	1.0 †Ø	84	600m†	70	07	A415	MP307
41	A101	30	210m	20u§	Δ	50n§	200n§	20	250k†	20	10m	2.0MØ†	83	10 †	66 †	28	A197	MP5f
42	DE25	30	210m†	20u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
43	AD518S	30	210m	20u	6.0m	100n	400n	23 †	500k	24	20m	12M†Ø	94	50	80	5C	A174b	TO99
44	3523K	30	210m†	25u	500u§	100f†§	250f†§	20	1.0T†	20	20m	1.0M†Ø	100 †	600m	80 †	5C	A255	TO99
45	3523L	30	210m†	25u	500u§	50f†§	100f†§	20	1.0T†	20	20m	1.0M†Ø	100 †	600m	80 †	5C	A255	TO99
46	008B1	30	210m	25u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
47	108B1	30	210m	25u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
48	248B1	30	210m	25u	1.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
49	A127	30	210m	25u⍁	1.0m§Δ		100f§	20	10T†	20	10m	100kØ	106	200m	100 †	28	A097	MP5bg
50	AD506KH	30	210m	25u	1.0m	5.0p	10p	20	100G	24	5.0m	1.0MØ	74	5.0	80	07		TO99
51	AD516KH	30	210m	25u	1.0m	10p	20p	20	100G	24	5.0m	1.0M	74	5.0	80	07		TO99
52	C118B	30	210m	25u	1.0m§		5.0p§	20	100G†	20	10m	500kØ	88	500m	86 †	28		MP6s
53	C218B	30	210m	25u	1.0m§		5.0p§	20	100G†	20	10m	500kØ†	88	500m†	86 †	28		CN2j
54	P501B	30	210m	25u	1.0m		10p	20	100G	20	10m	4.0MØ	90	3.0	80	28		MP72
55	P501C	30	210m	25u	1.0m		5.0p	20	100G	20	10m	4.0MØ	90	3.0	80	28		MP72
56	AD528K	30	210m	25u	2.0m	2.0p§	15p§	30 Δ	1.0T†	20	20m†	10M†Ø	94	50	80	07	A174b	TO99
57	AD528S	30	210m	25u	3.0m	2.0p§	15p§	30 Δ	1.0T†	20	20m†	10M†Ø		50	80	5C	A174b	TO99
58	AD503KH	30	210m	25u	20m	5.0p	10p	20	100G	24	5.0m	1.0MØ	74	5.0	80	07		TO99
59	AD514K	30	210m	25u	20m		20p	20	10G†	24	10kØ	750k†Ø	94	500m†	70	07	A174	TO99
60	AD514L	30	210m	25u	20m		10p	20	10G†	24	10kØ	750u†Ø	94	500m†	70	07	A174	TO99
61	AD540K	30	210m	25u§	20m§		25p§	20	10G†	24	10kØ	1.0M†Ø	94	6.0 †	70	07	A174b	TO99
62	D25	30	210m†	30u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
63	D2	30	210m	30u	6.0mΔ		60n	22	400k†	22	11m	1.0MØ	85	1.8	100 †	58		MP5aq
64	AD523KH	30	210m	30u	20m		500f	20	100G	24	5.0m	500k	72	3.0	80	07		TO99
65	A99	30	210m	35u	Δ		20p§	20	100G	20	10m	2.0mØ	100	10	66	28	A197	MP5f
66	DK25	30	210m†	45u	.75m	50p		20	100G	20	40m	2.5MØ	100	6.0	72	5A		MP5g
67	45J	30	210m	50u	Δ	25p	50p	20	100G	20	20m	1.0M	100	75	74	28		MP5s
68	1725	30	210m†	50u	Δ	30p†	100p	20 †	10G†	20	10m	10MØ	92	25	70	58		MP5y
69	1772	30	210m†	50u	Δ	30p†	100p	20 †	10G†	20	10m	10MØ	86	12	70	58		MP5y
70	A45J	30	210m	50u	Δ		50p§	20	100G	20	40m	1.0M	94	75	74 †	28	A053	MP42d
71	A100	30	210m	50u⍁	Δ		20p§	20	100G	20	10m†	2.0MØ†	100	10	66 †	28	A197	MP5f
72	008B2	30	210m	50u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
73	108B2	30	210m	50u	1.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
74	248B2	30	210m	50u	1.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
75	3523J	30	210m†	50u	1.0m§	200f†§	500f§†	20	1.0T†	20	20m	1.0M†Ø	100 †	600m	80 †	5C	A255	TO99
76	A126	30	210m	50u⍁	1.0m§Δ		100f§	20	10T†	20	10m	100kØ	106	200m	100 †	28	A097	MP5bg
77	AD506SH	30	210m	50u	1.0m	5.0p	10p	20	100G	24	5.0m	1.0MØ	74	5.0	80	5C		TO99
78	AD516SH	30	210m	50u	1.0m	10p	20p	20	100G	24	5.0m	1.0M	74	5.0	80	5C		TO99
79	DL25	30	210m†	50u	1.5m	100p		20	100G	20	40m	2.5MØ	98	4.5	60	5A		MP5g
80	C118C	30	210m	50u	2.0m§		10p§	20	100G†	20	10m	500kØ	88	500m	86 †	28		MP6s
81	C218C	30	210m	50u	2.0m§		10p§	20	100G†	20	10m	500kØ†	88	500m†	86 †	28		CN2j
82	AD528J	30	210m	50u	5.0m	5.0p§	30p§	30 Δ	1.0T†	20	20m†	10m†Ø	88	50	70	07	A174b	TO99
83	AD503SH	30	210m	50u	20m	5.0p	10p	20	100G	24	5.0m	1.0MØ	74	5.0	80	5C		TO99
84	AD514S	30	210m	50u	20m		10p	20	10G†	24	10kØ	750k†Ø	94	500m†	70	5C	A174	TO99
85	AD540S	30	210m	50u§	20m§		25p§	20	10G†	24	10kØ	1.0M†Ø	94	6.0 †	70	5C	A174b	TO99
86	AD019	30	210m	60u⍁	5.0mΔ§		100p§	18 §	10G	20	10m	250k§	100	500m	60 †	28	A053b	MP42e
87	AD523LH	30	210m	60u	20m		250f	20	100G	24	5.0m	500k	72	3.0	80	07		TO99
88	008B3	30	210m	75u	2.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		FP15
89	108B3	30	210m	75u	2.0m§		5.0p§	14	100G†	20	10m	2.0MØ	100	3.0	80 †	28		MP6r
90	248B3	30	210m	75u	2.0m§		5.0p§	20	100G†	20	10m	2.0MØ	100	6.0	72 †	5C		CN2f
91	P501A	30	210m	75u	2.0m		25p	20	100G	20	10m	4.0MØ	90	3.0	80	28		MP72
92	AD506JH	30	210m	75u	3.0m	10p	15p	20	100G	24	5.0m	1.0MØ	66	5.0	70	07		TO99
93	AD516JH	30	210m	75u	3.0m	20p	30p	20	100G	24	5.0m	1.0M	66	5.0	70	07		TO99
94	AD503JH	30	210m	75u	50m	10p	15p	20	100G	24	5.0m	1.0MØ	66	5.0	70	07		TO99
95	AD514J	30	210m	75u	50m		50p	20	10G†	24	10kØ	750k†Ø	86	500m†	70	07	A174	TO99
96	AD540J	30	210m	75u§	50m§		50p§	20	10G†	24	10kØ	1.0M†Ø	86	6.0 †	70	07	A174b	TO99
97	AD523JH	30	210m	90u	50m		1.0p	20	100G	24	5.0m	500k	66	3.0	70	07		TO99
98	ATF404	30	210m	100u	Δ	10p	50p	20	10G	20	10m	4.0MØ	90	12	74	28	A129	MP174a
99	D4	30	210m	100u	Δ		20p	20	100G	20	10	3.0MØ†	90	4.0	80 †			
100	RC4739DB*	30	220m		7.5m	300n	800n	24	300k	20	2.0kØ	3.0MØ†	86	1.0 †	70	07	A399	MP153f
101	MC1537L	30	225m	1.5u†	6.0m	500n	1.5u	16	150k	24	10kØ	200k	88	250m†	70	5C	A036	MP139a
102	RM1537DC	30	225m	1.5u	6.0m	500n	1.5u	16	150k	24	10kØ	200k	88	250m	70	5C		TO116
103	MC1437L	30	225m	1.5u†	10m	750n	2.0u	16	50k	24	10kØ	200k	84	250m†	65	07	A036	MP139a
104	MC1437P	30	225m	1.5u†	10m	750n	2.0u	16	50k	24	10kØ	200k	84	250m†	65	07	A036	MP25c
105	RC1437DB	30	225m	1.5u	10m	750n	2.0u	16	50k	24	10kØ	200k	84	250m	65	07	A036	TO116
106	RC1437DC	30	225m	1.5u	10m	750n	2.0u	16	50k	24	10kØ	200k	84	250m	65	07	A036	TO116
107	HEPC6051L-RT*	30	225m	3.0u†	10m	750n	2.0u	16	50k	24	10kØ		83	250m	65	07	A036	TO116
108	AM405-2	30	240m		Δ	500p	1.0n	20	1.0T†	20	20m	20MØ†	78	120 †	70	07	A228	TO99
109	A6020	30	240m		300u⍁Δ	60n⍁	150n§	20	500k	20	6.0m	5.0M	86	2.5 †	90	49	A136	MP6f
110	A6010	30	240m		600u⍁Δ	140n⍁	250n§	20	150k	20	6.0m	5.0M	86	2.5 †	80	28	A136	MP6f

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS: 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE, MAX VOLTAGE: 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT: OFFSET (A)	BIAS (A)	MIN.-@25°C: CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C: P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C: 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS: CKT.	OUT-LINE Δ=MO
1	ADX218	30	240m		4.0m	50n	250n	22	1.0M	24	2.0kØ	15M	88	50	80	28	A071	CN1c
2#	SFC2118M	30	240m		4.0m	50n	250n	23	1.0M	24	2.0kØ		94	50	80	5C		TO99
3#	SFC2218	30	240m		4.0m	50n	250n	23	1.0M	24	2.0kØ		94	50	80	28		TO99
4#	TDA1034	30	240m		4.0m§	300n§	1.5u§	25	30k	24	600 Ø	70k	90	6.0 †	70	28	A386	TO99
5#	TDA1034B	30	240m		4.0m§	300n§	1.5u§	25	30k	24	600 Ø	70k	90	6.0 †	70	28	A386	MP491a
6#	TDA1034BN	30	240m		4.0m§	200n§	.80u§	25	30k	24	600 Ø	70k	90	6.0 †	70	28	A386	MP491a
7#	TDA1034D	30	240m		4.0m§	300n§	1.5u§	25	30k	24	600 Ø	70k	90	6.0 †	70	28	A386	MP355
8#	TDA1034DN	30	240m		4.0m§	200n§	.80u§	25	30k	24	600 Ø	70k	90	6.0 †	70	28	A386	MP355
9#	TDA1034N	30	240m		4.0m§	200n§	.80u§	25	30k	24	600 Ø	70k	90	6.0 †	70	28	A386	TO99
10	NE5534AN	30	240m		5.0m	400n	2.0u	24	30k	24	600 Ø	10M†	88	13 †	70	06	A409	MP⧄
11	NE5534AT	30	240m		5.0m	400n	2.0u	24	30k	24	600 Ø	10M†	88	13 †	70	06	A409a	CN1g
12	NE5534N	30	240m		5.0m	400n	2.0u	24	30k	24	600 Ø	10M†	88	13 †	70	06	A409	MP⧄
13	NE5534T	30	240m		5.0m	400n	2.0u	24	30k	24	600 Ø	10M†	88	13 †	70	06	A409a	CN1g
14	LM118D	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	93	50	80	5C	A209	MP490
15▼	LM118DE	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M	96	50	80	5C	A209	MP401j
16	LM118F	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	93	50	80	5C	A209	FP37
17	LM118H03	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	93	50	80	5C	A209	TO99
18	LM118H	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	93	50	80	5C	A209	CN1d
19	LM118JG	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15MØ†	94	50	80	5C	A354	MP401d
20	LM118L	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15MØ†	94	50	80	5C	A354a	CN1k
21	LM118U	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15MØ†	94	50	80	5C	A354b	Δ004AE
22▼	LM218DE	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	96	50	80	28	A209	MP401j
23	LM218JG	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15MØ†	94	50	80	28	A354	MP401d
24	LM218L	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15MØ†	94	50	80	28	A354a	CN1k
25	LM218P	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15MØ†	94	50	80	28	A354	MP267d
26	LM218U	30	240m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15MØ†	94	50	80	28	A354b	Δ004AE
27	MC1458CU*	30	240m		12m	400n	1.0u	22	2.0M†	22	10kØ	1.1m†Ø	86	500m†		07	A014c	MP401a
28	HA2-2050A	30	240m		17mΔ	5.0n	10n	20	1.0T†	20	20m	20M†§	73	120 †	74	5C	A228	TO99
29	HA2-2055A	30	240m		17mΔ	500p	1.0n	20	1.0T†	20	20m	20M†§	73	120 †	70	07	A228	TO99
30	HA2-2050	30	240m		30mΔ	5.0n	10n	20	1.0T†	20	20m	20M§†	73	120 †	74	5C	A228	TO99
31	uA740CT	30	240m		30m	60p†		24 †	1.0T†	20	2.0kØ	1.0M†Ø	120 †	6.0 †	80 †	07	A131	CN1g
32	HA2-2055	30	240m		65mΔ	500p	1.0n	20	1.0T†	20	20m	20M§†	73	120 †	70	07	A228	TO99
33	D28	30	240m	1.5u	2.0m	60n		8.0	600k	20	4.0m	1.0MØ	110	.30	100 †	5A		MP5g
34	DA21B	30	240m†	2.0u	.50m	50p		10	100G	20	40m	3.0MØ	110	6.0	92	5A		MP2
35	A1026	30	240m	2.0u⧄	1.0m§	2.0p†	20p§	15 §	100G	20	10m	750k§	100	1.0	86	28	A053b	MP42e
36	ADO26B	30	240m	2.0u⧄	1.0m§Δ		20p§	15	100G	20	10m	750k§	100	1.0	86	28	A053b	MP42e
37	DA28	30	240m	2.0u	2.0m	60n		8.0	600k	20	4.0m	1.0MØ	110	.30	100 †	5A		MP5g
38	H6020	30	240m	5.0u	300u⧄Δ	60n⧄	150n§	20	500k	20	6.0m	5.0M	86	2.5 †	90	49	A136	MP6f
39	H6020C	30	240m	5.0u	300u⧄Δ	60n⧄	150n§	20	500k	20	6.0m	5.0M	86	2.5 †	90	4A	A136	MP5aa
40	DB19	30	240m†	5.0u	.50m	50p		10	100G	20	20m	4.0MØ	110	6.0	92	5A		MP5g
41	DB21B	30	240m†	5.0u	.50m	50p		10	100G	20	40m	3.0MØ	110	6.0	92	5A		MP2
42	0-578A1	30	240m†	5.0u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		FP30
43	1-578A1	30	240m†	5.0u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		MP338
44	A1027	30	240m	5.0u⧄	1.0m§	2.0p†	20p§	15 §	100G	20	10m	750k§	100	1.0	86	28	A053b	MP42e
45	ADO27B	30	240m	5.0u⧄	1.0m§Δ		20p§	15	100G	20	10m	750k§	100	1.0	86	28	A053b	MP42e
46	H50A1	30	240m†	5.0u§	1.0m§Δ	10p§		20	100G†	02	10m	4.5M†Ø	86	15	76 †	5C		CN2q
47	DB28	30	240m	5.0u	2.0m	60n		8.0	600k	20	4.0m	1.0MØ	110	.30	100 †	5A		MP5g
48	A901	30	240m	10u	Δ			20	7.0k	20	5.0m	500k	60	1.0		07	Z466	MP492
49	D24	30	240m	10u	Δ	15n			250k	20	40m	100MØ	100	100 †		58		MP5j
50	DC19	30	240m†	10u	.50m	50p		10	100G	20	20m	4.0MØ	110	6.0	92	5A		MP5g
51	H6010	30	240m	10u	600u⧄Δ	140n⧄	250n§	20	150k	20	6.0m	5.0M	86	2.5 †	80	28	A136	MP6f
52	H6010C	30	240m	10u	600u⧄Δ	140n⧄	250n§	20	150k	20	6.0m	5.0M	86	2.5 †	80	28	A136	MP5aa
53	0-578A2	30	240m†	10u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		FP30
54	1-578A2	30	240m†	10u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		MP338
55	H50A2	30	240m†	10u§	1.0m§Δ	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	5C		CN2q
56	41K	30	240m	10u	2.0mΔ§		250f§	30	10T†	20	10m	1.0M†Ø	100	3.0	93 †	28		MP58b
57	LH0062D	30	240m	10u§†	7.0m	2.0n	10n	20	1.0T†	24	20m	15MØ	94	50	80	5C	A219	MP490
58	LH0062H	30	240m	10u§†	7.0m	2.0n	10n	20	1.0T†	24	20m	15MØ	94	50	80	5C	A219	CN1d
59	ICL8017CTW	30	240m	10u†	7.5m		500n	30 Δ		20	2.0kØ	10M†Ø	87	130 †		07	A163	TO100
60	MC1433F	30	240m	10u†	10m	750n	4.0u	16	300k	24	10kØ	4.0k	89	6.2 †	80	07	A033	TO91
61	MC1433G	30	240m	10u†	10m	750n	4.0u	16	300k	24	10kØ	4.0k	89	6.2 †	80	07	A033	CN10j
62	MC1433L	30	240m	10u†	10m	750n	4.0u	16	300k	24	10kØ	4.0k	89	6.2 †	80	07	A033	MP139a
63	MC1433P	30	240m	10u†	10m	750n	4.0u	16	300k	24	10kØ	4.0k	89	6.2 †	80	07	A033	MP25c
64	A148C	30	240m†	15u⧄	Δ	5.0p†	25p§	20	100G†	20	40m	7.5MØ	94	50	72 †	28	A053	MP5s
65	D22	30	240m†	15u	Δ	10n		20	600k	20	40m	1.0MØ	100	600m	80 †	58		MP5j
66	D22B	30	240m	15u		10n		20	600k	20	40m	1.0MØ	100	.60	80 †	58		MP2
67	FA531	30	240m	15u§	2.0m		20p§	22	100GØ	20	40m	10M	94	60	86	06		MP501
68	OP16GJ	30	240m	15u	3.8m	1.7n	2.0n	21	1.0T†	22	2.0kØ	17MØ†	94	9.0	82	07	A174	TO99
69	OP17GJ	30	240m	15u	3.8m	1.7n	2.0n	21	1.0T†	22	2.0kØ	9.0MØ†	94	25	82	07	A174	TO99
70	ADX118	30	240m	15u	4.0m	50n	250n	22	1.0M	24	2.0kØ	15M	88	50	80	5C	A071	CN1c
71	OP16CJ	30	240m	15u	4.5m	22n	25n	21	1.0T†	22	2.0kØ	17MØ†	94	9.0	82	5C	A174	TO99
72	OP17CJ	30	240m	15u	4.5m	22n	25n	21	1.0T†	22	2.0kØ	9.0MØ†	94	25	82	5C	A174	TO99
73	RC1458DE	30	240m	15u	6.0m	200n	500n	24	1.0M	22	10kØ	1.1M	86	500m†	60	07	A014	MP401j
74	SG1458M	30	240m	15u†	6.0m§	200n§	500n§	22	1.0M†	22	10kØ	800kØ†	86	500m†	60	07	A014	MP189a
75	MC1458CG*	30	240m	15u†	12m	400n	1.0u	22	2.0M†	22	10kØ	1.1M†Ø	86	500m†	60	07	A014a	TO99
76	MC1458CL*	30	240m	15u†	12m	400n	1.0u	22	2.0M†	22	10kØ	14k†	86	500m†	60	07	A014b	MP139a
77	MC1458CP1*	30	240m	15u†	12m	400n	1.0u	22	2.0M†	22	10kØ	14k†	86	800m†	60	07	A014c	MP161
78	MC1458CP2*	30	240m	15u†	12m	400n	1.0u	22	2.0M†	22	10kØ	14k†	86	800M†	60	07	A014b	MP25c
79	RC1458NB	30	240m	15u	12m	400n	1.0u	22	1.0M	22	10kØ	14k	86	800m	60	07	A014	MP401k
80	RC1458T*	30	240m	15u	12m	400n	1.0u	22	1.0M	22	10kØ	14k	86	800m	60	07	A014	TO99
81#	SFC2458C*	30	240m	15u†	12m	400n	1.0u	22	1.0M†	22	10kØ	14k†	86	800m†	60	07	A014	TO99
82#	SFC2458DC*	30	240m	15u†	12m	400n	1.0u	22	1.0M†	22	10kØ	14k†	86	800m†	60	07	A014	MP167
83	DE19	30	240m†	20u	.50m	50p		10	100G	20	20m	4.0MØ	110	6.0	92	5A		MP5g
84	DE21B	30	240m†	20u	.50m	50p		10	100G†	20	40m	3.0MØ	110	6.0	92	5A		MP2
85	LM118D883	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	94	50	80	5C	A209	MP148
86	LM118H883	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	94	50	80	5C	A209	CN1f
87	LM218D	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	94	50	80	28	A209	MP490
88	LM218F	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	94	50	80	28	A209	FP37
89	LM218H	30	240m	20u	6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	94	50	80	28	A209	CN1d
90	A148B	30	240m†	25u⧄	Δ	5.0p†	25p§	20	100G†	20	40m	7.5MØ	94	50	72 †	28	A053	MP5s
91	A157	30	240m†	25u⧄	Δ		25p	20	100G	20	40m	4.0MØ	103	30	80 †	28	A053a	MP199d
92	D11	30	240m	25u	Δ	25p		20	600k	20	40m	800kØ	100	600m	80 †	58		MP5j
93	D11B	30	240m	25u		25n		20	600k	20	40m	800kØ	100	.60	80 †	58		MP2
94	0-578B1	30	240m†	25u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		FP30
95	1-578B1	30	240m†	25u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		MP338
96	A1032	30	240m	25u⧄	1.0m§Δ		500f§	20	1.0T	24	10m	400k§	82	400m	86	28	A053b	MP42f
97	ADO32	30	240m	25u⧄	1.0mΔ§		500f§	20	1.0T	24	10m	400k§	82	400m	86	28	A053b	MP42f
98	H50B1	30	240m†	25u§	1.0m§Δ	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	5C		CN2q
99	41J	30	240m	25u	2.0m§Δ		500f§	30	10T†	20	10m	1.0M†Ø	100	3.0	93 †	28		MP5ab
100	41L	30	240m	25u	2.0m§Δ		150f§	30	10T†	20	10m	1.0M†Ø	100	3.0	93 †	28		MP5ab
101	D19	30	240m†	30u	.50m	50p		10	100G†	20	20m	4.0MØ	110	6.0	92	5A		MP5g
102	D21B	30	240m†	30u	.50m	50p		10	100G†	20	40m	3.0MØ	110	6.0	92	5A		MP2
103♦	NE536T	30	240m	30u†	90m	5.0p§†	100p§	20	100T	20	2.0kØ	1.0MØ	94	6.0 †	64	07	A424	CN1g
104	1434-01	30	240m	35u†	60m	5.0n	20p§	20	1.0T	20	20m	1.0M	77	60	74	5C		CN1d
105	DK19	30	240m†	45u	.50m	50p		10	100G†	20	20m	4.0MØ	110	6.0	92	5A		MP5g
106	DK21B	30	240m†	45u	.50m	50p		10	100G†	20	40m	3.0MØ	110	6.0	92	5A		MP2
107	A148A	30	240m†	50u⧄	Δ	10p†	50p§	20	100G†	20	40m	7.5MØ	94	50	72 †	28	A053	MP5s
108	A156	30	240m†	50u⧄	Δ		50p	20	100G	20	40m	4.0MØ	103	30	80 †	28	A053a	MP199d
109	0-578B2	30	240m†	50u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		FP30
110	1-578B2	30	240m†	50u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		MP338

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	AD029B	30	240m	50u⊠	1.0m§Δ		50p§	15 §	10G	20	10m	750k§	100	1.0	86	28	A053b	MP42e
2	H50B2	30	240m†	50u§	1.0m§Δ	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	5C		CN2q
3	FA530	30	240m	50u§	2.0m§		50p§	22	100GØ	20	40m	10M	94	60	86	06		MP501
4	1-578B3	30	240m†	75u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		MP338
5	H50B3	30	240m†	75u§	1.0m§Δ	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	5C		CN2q
6	0-578B3	30	240m†	75u§	2.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		FP30
7♦	1434	30	240m	75u†	60m	500p	1.0n	20	1.0T†	20	20m	20M†§	77	60	74	07		TO99
8	1-578C1	30	240m†	100u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		MP338
9	H50C1	30	240m†	100u§	1.0m§Δ	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	5C		CN2q
10	0-578C1	30	240m†	100u§	5.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		FP30
11	1-578C2	30	240m†	150u§	1.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		MP338
12	H50C2	30	240m†	150u§	1.0m§Δ	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	5C		CN2q
13	0-578C2	30	240m†	150u§	5.0m§	10p§		20	100G†	20	10m	4.5M†Ø	86	15	76 †	28		FP30
14	uA1458CHC*	30	240m	15	12m	400n	1.0u	22	1.0M†	22	10kØ	14k†⊠	86	800m	60	07	A179	CN1d
15	uA1458CRC*	30	240m	15	12m	400n	1.0u	22	1.0M†	22	10kØ	14k†⊠	86	800m	60	07	A179	MP401b
16	uA1458CTC*	30	240m	15	12m	400n	1.0u	22	1.0M†	22	10kØ	14k†⊠	86	800m	60	07	A179	MP487
17	uA1458HC*	30	240m	15	12m	400n	1.0u	22	1.0M†	22	10kØ	14k†⊠	86	800m	60	07	A179	CN1d
18	uA1458TC*	30	240m	15	12m	400n	1.0u	22	1.0M†	22	10kØ	14k†⊠	86	800m	60	07	A179	MP487
19	RC709BL	30	250m⊠		10m	750n	2.0u	16	50k	24	10kØ		83	.40	65	07	A003	CH28
20	D6	30	255m	20u	Δ	75n		14	200k	20	4.0m	1.5MØ	96 †	900m	96 †	28		MP5v
21	107C	30	256m	5.0u	Δ	5.0n§		20 Δ	1.0M	20	10m	2.0MØ	107	1.2	80	48		MP6c
22	231K	30	270m	100n	10uΔ		50p	SE	300k	20	50m	500kØ	140	200m		05		MP77
23	231J	30	270m	250n	15uΔ		100p	SE	300k	20	50m	500kØ	140	200m		05		MP77
24	184L	30	270m	250n⊠	100u§		25n§	20	4.0M†	20	10m	1.0M†Ø	109	300m	100	58		MP5au
25	184K	30	270m	500n⊠	100u§		25n§	20	4.0M†	20	10m	1.0M†Ø	109	300m	100	58		MP5au
26	184J	30	270m	1.5u	250u§		25n§	20	4.0M†	20	10m	1.0M†Ø	109	300m	100	58		MP5au
27	C238A	30	270m	10u	1.0m§		5.0p§	20	100G†	20	40m	10MØ		50	86	5C		CN2m
28	C438A	30	270m	10u	1.0m§		5.0p§	20	100G†	20	40m	10MØ	90	50	86	5C		MP260
29	238A	30	270m	10u	1.6m	160p	320p	10	100G	40	40m		100	80	96			CN2d
30	48K	30	270m	15u	Δ		25p	22	100G†	20	40m	15M†Ø	100	100	83	28		MP5s
31	1024	30	270m	20u	10m§†	25p§†	50n§	20	1.0M†	20	40m	2.0MØ†	94	6.0	80	28		MP199m
32	501B	30	270m	25u	1.0m		10p	20	100G	20	10m	4.0MØ	88	3.0	80	28		MP561
33	501C	30	270m	25u	1.0m		5.0p	20	100G	20	10m	4.0MØ	88	3.0	80	28		MP561
34	AD501B	30	270m	25u	1.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	28		
35	AD501C	30	270m	25u	1.0m§		5.0p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	28		
36	ADM501B	30	270m	25u	1.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	5C		
37	ADM501C	30	270m	25u	1.0m§		5.0p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	5C		
38	ADP501B	30	270m	25u	1.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	28		
39	ADP501C	30	270m	25u	1.0m§		5.0p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	28		
40	C238B	30	270m	25u	1.0m§		5.0p§	20	100G†	20	40m	10MØ		50	86	5C		CN2m
41	C438B	30	270m	25u	1.0m§		5.0p§	20	100G†	20	40m	10MØ	90	50	86	5C		MP260
42	M501B	30	270m	25u	1.0m§†		10p§	20	100G†	20	10m	4.0MØ†	87	3.0	80 †	28	A031	CN2
43	M501C	30	270m	25u	1.0m§†		5.0p§	20	100G†	20	10m	4.0MØ†	87	3.0	80 †	28	A031	CN2
44	238B	30	270m	25u	2.5m	160p	320p	10	100G	40	40m	12	100	80	96			CN2d
45	48J	30	270m	50u	Δ		50p	22	100G†	20	40m	15M†Ø	100	100	83	28		MP5s
46	1619	30	270m†	50u	Δ	30p†	100p	20 †	10G†	20	20m	10MØ	94	12	74	58		MP5y
47	C238C	30	270m	50u	2.0m§		10p§	20	100G†	20	40m	10MØ		50	86	5C		CN2m
48	C438C	30	270m	50u	2.0m§		10p§	20	100G†	20	40m	10MØ	90	50	86	5C		MP260
49	238C	30	270m	50u	5.0m	320p	640p	10	100G	40	40m		100	80	96			CN2d
50	501A	30	270m	75u	2.0m		25p	20	100G	20	10m	4.0MØ	88	3.0	80	28		MP561
51	AD501A	30	270m	75u	2.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	28		
52	ADM501A	30	270m	75u	2.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	5C		
53	ADP501A	30	270m	75u	2.0m§		10p§	30	100G†	20	2.0kØ	4.0M†Ø	87	3.0	60	28		
54	M501A	30	270m	75u	2.0m§†		10p§	20	100G†	20	10m	4.0MØ†	87	3.0	80 †	28	A031	CN2
55	M501D	30	270m	100u	5.0m§†		10p§	20	100G†	20	10m	4.0MØ†	87	3.0	80 †	28	A031	CN2
56	D5	30	285m	20u	Δ	50n		20	200k	20	10m	2.0MØ	96	1.2	74 †	58		MP5g
57	2327	30	300m						10k	20	50m	50k	0.0	3.0				D
58	HX0032	30	300m		2.0m§	25p§	100p§	20	1.0T	20	1.0kØ	70M	63	500 †	50	5C	A218	CN2h
59	RM4136DC	30	300m		6.0m	500n	500n	30	300k	20	2.0kØ		86	1.0	70	07		MP153g
60▼	NE531N	30	300m		7.5m	300n⊠	2.0u⊠	20	20M†	20	2.0kØ	500k⊠	86	35	70	07	A422	MP549a
61♦	NE531T	30	300m		7.5m	300n⊠	2.0u⊠	20	20M†	20	2.0kØ	500k⊠	86	35 †	70	07	A422	CN1g
62	NE531V	30	300m		7.5m	300n⊠	2.0u⊠	20	20M†	20	2.0kØ	500k†	86	35 †	70	07		MP216
63	RC4136DB	30	300m		7.5m	300n	800n	30	300k	20	2.0kØ		86	1.0	70	07	A210	MP153f
64	RC4136DC	30	300m		7.5m	300n	800n	30	300k	20	2.0kØ		86	1.0	70	07		MP153g
65	RC4531DC	30	300m		7.5m	300n	2.0u	20	30	20	2.0kØ		86	35 †	70	07	A211	MP322
66	RC4531NB	30	300m		7.5m	300n	2.0u	20	30	20	2.0kØ	500kØ†	86	35 †	70	07	A211	MP401k
67	RC4531T	30	300m		7.5m	300n	2.0u	20	30	20	2.0kØ		86	35 †	70	07	A211	TO99
68	ADX318	30	300m		10m	200n	500n	22	500k	24	2.0kØ	15M	88	50	70	07	A071	CN1c
69	AM715DC	30	300m		10m	750n	7.5u	20	1.0M†	20	2.0kØ		78	10	74	07	A158	MP14ad
70	AM715HC	30	300m		10m	750n	7.5u	20	1.0M†	20	2.0kØ		78	10	74	07	A158	TO100
71#	L115T1	30	300m		10m	250n§	1.5u§	20	1.0M†	20	2.0kØ	65M	80	10	74	07	A106	TO100
72#	SFC2318EC	30	300m		10m	200n	600n	23	500k	23	2.0kØ		88	30	70	07		TO116
73	uA715DC	30	300m		10m	750n	7.5u	20	1.0M†	20	2.0kØ		80	70 †	74	07	A106	MP486b
74	uA715HC	30	300m		10m	750n	7.5u	20	1.0M†	20	2.0kØ		80	70 †	74	07	A106	TO100
75	uPC159A	30	300m		10m§	200n§	500n§	23	500k	24	2.0kØ	15MØ†	88	50	70	28	A209	Δ002AK
76	LM318D	30	300m		15m	300n	750n	23	500k	24	2.0kØ	15M†	87	50	70	07	A209	MP490
77▼	LM318DE	30	300m		15m	300n	750n	23	500k	24	2.0kØ	15M†	87	50	70	07	A209	MP401j
78	LM318H	30	300m		15m	300n	750n	23	500k	24	2.0kØ	15M†	87	50	70	07	A209	CN1d
79	LM318JG	30	300m		15m	300n	750n	23	500k	24	2.0kØ		88		70	07	A354	MP401d
80	LM318L	30	300m		15m	300n	750n	23	500k	24	2.0kØ		88		70	07	A354a	CN1k
81	LM318N	30	300m		15m	300n	750n	23	500k	24	2.0kØ	15M†	87	50	70	07	A209	MP491
82	LM318P	30	300m		15m	300n	1.0u	23	500k	24	2.0kØ	15M†	87	50	70	07	A209	MP39k
83	LM318U	30	300m		15m	300n	750n	23	500k	24	2.0kØ		88		70	07	A354b	Δ004AE
84	228B	30	300m	25n	2.5m	160p	320p	10	100G	40	10m	7.0	86	25	80			CN2
85	230L	30	300m	100n⊠	10u		50p§	SE	300k	20	8.0m	500kØ	140	200m		28		MP5an
86	3291/14$	30	300m	100n	26u		80p		500k†	20	10m	3.0MØ	140	6.0		28		MP5au
87	3354/25$	30	300m	100n	36u	10p†	20p§	20	1.0M†	20	10m	3.0MØ	140	6.0	140 †	28		MP290a
88	TL089IL	30	300m	200n†	80u	600p	10n	20	100M†	20	2.0kØ	3.0MØ†	100	10	80	07	A174k	CN1k
89	TL089CL	30	300m	200n†	200u	1.0n	15n	20	100M†	20	2.0kØ	3.0MØ†	100	10	80	07	A174k	CN1k
90	148	30	300m†	250n	15uΔ§		50p§	SE	300k	20	5.0m	1.5M§†	160	6.0		28	A165	MP53a
91	148C	30	300m	250n	15uΔ		50p§	SE	300k	20	50m	1.5M§	160	6.0		28		MP53a
92	230J	30	300m	250n⊠	15u		100p§	SE	300k	20	8.0m	500kØ	140	200m		28		MP5an
93	230K	30	300m	250n⊠	15u		50p§	SE	300k	20	8.0m	500kØ	140	200m		28		MP5an
94	3292/14$	30	300m	300n	68u		110p		500k†	20	10m	3.0MØ	140	6.0		28		MP5au
95	SN62088N	30	300m	600n	100u	10n	20n			20	2.0kØ	3.0MØ†		25 †	80 †	28	A253	MP39h
96	SN72088N	30	300m	1.0u	250u	15n	30n			20	2.0kØ	3.0MØ†		25 †	80 †	07	A253	MP39h
97	183L	30	300m	1.5u	Δ	4.0n§	40n§	20 Δ	2.0M	20	5.0m	500kØ	106	300m	100	28		MP5n
98	A123	30	300m†	2.0u⊠	Δ		10p§	20	1.0T	20	10m	5.0MØ	100	50	94	28	A097	MP5bg
99	A128	30	300m	2.0u	Δ	2.0p	4.0p§	20	100G	20	20m	750kØ	107	1.0	94	28	A197	MP5f
100	183K	30	300m	3.0u	Δ	4.0n§	40n§	20 Δ	2.0M	20	5.0m	500kØ	106	300m	100	28		MP5n
101	183J	30	300m	5.0u	Δ	4.0n§	40n§	20 Δ	2.0M	20	5.0m	500kØ	106	300m	100	28		MP5n
102	A122	30	300m†	5.0u⊠	Δ		10p§	20	1.0T	20	10m	5.0MØ	100	50	94	28	A097	MP5bg
103▼	LF356AT	30	300m	5.0u	2.0m§	10p§	50p§	22	1.0T†	24	10kØ	4.0M§	94	10	85	07	A418	CN1g
104▼	LF357AT	30	300m	5.0u	2.0m§	10p§	50p§	22	1.0T†	24	10kØ	15M§	94	40	85	07	A418	CN1g
105▼	LD356A	30	300m	5.0u	2.3m	10p§	50p§	22	1.0T†	24	10kØ	4.5M†§	106 †	10	85	07	A349	CH⊠
106▼	LD357A	30	300m	5.0u	2.3m	10p§	50p§	22	1.0T†	24	10kØ	20M†§	106 †	40	85	07	A349	CH⊠
107	LF356AH	30	300m	5.0u	2.3m	10p	50p	22	1.0T	24	10kØ	4.0M§	94	10	85	07	A349a	CN1d
108	LF356AJG	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10kØ	4.0MØ	94	10	85	07	A349	MP401d
109	LF356AL	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10kØ	4.0MØ	94	10	85	07	A349a	CN1k
110▼	LF356AN	30	300m	5.0u	2.3m	1.0n	5.0n	22	10T†	24	10kØ	4.5M†§	96	10	85	07	A349	MP267d

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS: 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS — OVER OPERATING TEMP. RANGE — MAX VOLTAGE: 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT: OFFSET (A)	BIAS (A)	MIN.-@25°C: CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C: P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C: 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TC EO MD PE -+	DRAWINGS: CKT.	OUT-LINE Δ=MO
1	LF356AP	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10kØ	4.0MØ	94	10	85	07	A349	MP267d
2	LF357AH	30	300m	5.0u	2.3m	10p	50p	22	1.0T	24	10kØ	15M§	94	40	85	07	A349a	CN1d
3	LF357AJG	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10kØ	15MØ	94	40	85	07	A349	MP401d
4	LF357AL	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10kØ	15MØ	94	40	85	07	A349a	CN1k
5	LF357AP	30	300m	5.0u	2.3m	1.0n	5.0n	22	1.0T†	24	10kØ	15MØ	94	40	85	07	A349	MP267d
6	LH0061K	30	300m	5.0u§†	6.0m	300n	1.0u	22	300k	20	20 Ø		92	50	70	5C	A233	CN22f
7▼	LF356T	30	300m	5.0u	10m§	50p§	200p§	20	1.0T†	24	10kØ	5.0M§†	88	12 †	80	07	A418	CN1g
8▼	LF357T	30	300m	5.0u	10m§	50p§	200p§	20	1.0T†	24	10kØ	20M§†	88	50 †	80	07	A418	CN1g
9	uAF356HC	30	300m	5.0u†	10m	50p§	200p§	20	1.0T†	24	10kØ	5.0MØ	94	15 †	85	07	A327	CN1d
10	uAF357HC	30	300m	5.0u†	10m	50p§	200p§	20	1.0T†	24	10kØ	25MØ	94	75 †	85	07	A327	CN1d
11▼	LD356	30	300m	5.0u†	13m	50p§	200p§	22	1.0T†	24	10kØ	5.0M†§	106 †	12 †	80	07	A349	CH☒
12▼	LD357	30	300m	5.0u†	13m	50p§	200p§	22	1.0T†	24	10kØ	20M†§	106 †	50 †	80	07	A349	CH☒
13	LF356H	30	300m	5.0u†	13m	50p	200p	20	1.0T	24	10kØ	5.0M§†	88	12 †	80	07	A349a	CN1d
14▼	LF356J	30	300m	5.0u†	13m	2.0n	8.0n	20	1.0T†	20	10m	5.0M†§	85	7.5	80	07	A349	MP401a
15	LF356JG	30	300m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	4.5MØ†	88	12 †	80	07	A349	MP401d
16	LF356L	30	300m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	4.5MØ†	88	12 †	80	07	A349a	CN1k
17	LF356N	30	300m	5.0u†	13m	50p	200p	20	1.0T	24	10kØ	5.0M§†	88	12 †	80	07	A349	MP491
18	LF356P	30	300m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	4.5MØ†	88	12 †	80	07	A349	MP267d
19	LF357H	30	300m	5.0u†	13m	50p	200p	20	1.0T	24	10kØ	20M§†	88	50 †	80	07	A349a	CN1d
20▼	LF357J	30	300m	5.0u†	13m	2.0n	8.0n	20	1.0T†	20	10m	20M†§	85	30	80	07	A349	MP401a
21	LF357JG	30	300m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	20MØ†	88	50 †	80	07	A349	MP401d
22	LF357L	30	300m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	20MØ†	88	50 †	80	07	A349a	CN1k
23	LF357N	30	300m	5.0u†	13m	50p	200p	20	1.0T	24	10kØ	20M§†	88	50 †	80	07	A349	MP491
24	LF357P	30	300m	5.0u†	13m	2.0n	8.0n	20	1.0T†	24	10kØ	20MØ†	88	50 †	80	07	A349	MP267d
25	PM356J	30	300m	5.0u	13m	2.0n	8.0n	20	1.0T†	20	2.0kØ	5.0M§†	88	12 †	80	07	A174	TO99
26	PM357J	30	300m	5.0u	13m	2.0n	8.0n	20	1.0T†	20	2.0kØ	20M§†	88	50 †	80	07	A174	TO99
27	C228A	30	300m	10u	1.0m§		5.0p§	20	100G†	20	10m	7.0MØ	88	25	80	5C		CN2j
28	228A	30	300m	10u	1.5m	160p	320p	10	100G	40	10m		86	25	80			CN2
29	A124	30	300m†	10u☒	2.0m§Δ	100f†	500f§	20	1.0T†	20	10m	2.0MØ	100	10	92	28	A097	MP5ab
30	TL074AMJ*	30	300m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396d	MP139b
31	TL074BCJ*	30	300m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396d	MP139b
32	TL074BCN*	30	300m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396d	Δ001AA
33	TL075AMJ*	30	300m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396e	MP139b
34	TL075BCJ*	30	300m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396e	MP139b
35	TL075BCN*	30	300m	10u†	5.0m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396e	Δ001AA
36	TL074ACJ*	30	300m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396d	MP139b
37	TL074ACN*	30	300m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396d	Δ001AA
38	TL075ACJ*	30	300m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396e	MP139b
39	TL075ACN*	30	300m	10u†	7.5m	2.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A396e	Δ001AA
40	TL074IJ*	30	300m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396d	MP139b
41	TL074IN*	30	300m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396d	Δ001AA
42	TL074MJ*	30	300m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396d	MP139b
43	TL075IJ*	30	300m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396e	MP139b
44	TL075IN*	30	300m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A396e	Δ001AA
45	TL075MJ*	30	300m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A396e	MP139b
46	TL074CJ*	30	300m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396d	MP139b
47	TL074CN*	30	300m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396d	Δ001AA
48	TL075CJ*	30	300m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396e	MP139b
49	TL075CN*	30	300m	10u†	13m	2.0n	7.0n	20	1.0T†	24	10kØ	3.0MØ	88	13 †	70	07	A396e	Δ001AA
50	AD518J	30	300m	10u	15m	300n	750n	23 †	500k	24	20m	·12M†Ø	88	50	70	07	A174b	TO99
51	2100	30	300m	20u		5.0n	30n	20	1.0M	20	40m	20M	94	100	60	28		MP5y
52▼	3403B	30	300m	20u	Δ		50p	20	100G	20	10	8.0MØ	100	12	60	28		MP5f
53	1026-01	30	300m	20u	5.0m§†	20p§†	20p§	20	100G†	20	10m	1.0MØ†	100	10	86	28		MP199n
54	147	30	300m†	25u	Δ		25n§	SE	200k†	20	20m	100M§	100	250		58	A164	MP5bp
55	1631	30	300m	25u	Δ	25p§	20p§	20 †	1.0T	20	10m	4.0M†§	100 †	6.0 †	80 †	28	A136	MP199a
56	A158	30	300m	25u☒	Δ	10p	10p	20	100G	20	40m	10MØ†	100	75	74	28	A053	MP5s
57	C228B	30	300m	25u	1.0m§		5.0p§	20	100G†	20	10m	7.0MØ	88	25	80	5C		CN2j
58	A125	30	300m†	25u☒	2.0m§	100f†	500f§	20	1.0T†	20	10m	2.0MØ	100	10	92	28	A097	MP5ab
59	OA201	30	300m†	25u§	6.0m§Δ	40n§	200n§	24	4.0M†	20	200 Ø		93	1.0	80	28		MP14t
60	OA202	30	300m†	25u§	6.0m§Δ	40n§	200n§	24	4.0M†	20	70		93	1.0	80	28		MP14t
61	1008	30	300m	35u	Δ		100p§	20	100G†	20	60m	3.0MØ	93	10	86 †	49	A082	MP5c
62	1630	30	300m	50u	Δ	25p§	30p§	20 †	1.0T	20	10m	4.0M†§	100 †	6.0 †	80 †	28	A136	MP199a
63▼	3403A	30	300m	50u	Δ		50p	20	100G	20	10	8.0MØ	100	12	60	28		MP5f
64	9727	30	300m	50u	Δ	15p	50p	10	100G	20	40m	10M§	50	75	50	58		MP268
65	DL19	30	300m†	50u	1.0m	100p		8.0	100G†	20	20m	3.0MØ	108	4.5	70	5A		MP5g
66	DL21B	30	300m†	50u	1.0m	100p		8.0	100G†	20	40m	2.5MØ	108	4.5	70	5A		MP2
67	C228C	30	300m	50u	2.0m§		10p§	20	100G†	20	10m	7.0MØ	88	25	80	5C		CN2j
68	228C	30	300m	50u	5.0m	320p	640p	10	100G	40	10m		86	25	80			CN2
69	1026	30	300m	50u	5.0m§†	20p§†	50p§	20	100G†	20	10m	1.0MØ†	100	10	86	28		MP199n
70	uA749DM	30	312m	3.0u†	6.0m	1.5u	3.0u	-13 §	100k	26			86	2.0 †	70	5C	A113	MP486b
71	CA3100H	30	315m		5.0m§	400n§	2.0u§	24	30k†	18	30m	38M†Ø	36	50	76	5C	A225	CH☒
72	CA3100S	30	315m		5.0m§	400n§	2.0u§	24	30k†	18	30m	38M†Ø	36	50	76	5C	A225	CN46
73	CA3100T	30	315m		5.0m§	400n§	2.0u§	24	30k†	18	30m	38M†Ø	36	50	76	5C	A225	Δ002AL
74	310KΔ	30	315m	10u	Δ		10f		300G	20	10m	2.0kØ	100	400m		17		MP79
75	311K	30	315m	10u	Δ		10f		300G	20	10m	2.0kØ	100	400m	100	17		MP79
76	1702-01	30	315m	10u	5.0m§	2.0f§	5.0f§	200	300G†	20	10m	1.0kØ†	100	2.5m†	100	06		MP5bw
77	310JΔ	30	315m	30u	Δ		10f		300G	20	10m	2.0kØ	100	400m		17		MP79
78	311J	30	315m	30u	Δ		10f		300G	20	10m	2.0kØ	100	400m	100	17		MP79
79	1702	30	315m	30u	5.0m§	2.0f§	5.0f§	200	300G†	20	10m	1.0kØ†	100	2.5m†	100	06		MP5bw
80	1322-01	30	315m	30u†	10m§	50n§	250n§	20	40M	20	20m	20M†§	76	80	90 †	5c		TO99
81	3430K	30	325m	10u			10f§		300G†	20	20m	2.0k†Ø	100	400m		07		MP79
82	3431K	30	325m	10u			1.0n§	20	300G†	20	20m	2.0k†Ø	100	400m	100 †	07		MP79
83	3430J	30	325m	30u			10f§		300G†	20	20m	2.0k†Ø	100	400m		07		MP79
84	3431J	30	325m	30u			1.0n§	20	300G†	20	20m	2.0k†Ø	100	400m	100 †	07		MP79
85	DA15	30	330m†	2.0u	.75m	50p		20	100G†	20	10m	3.0MØ	100	6.0	72	5A		MP5g
86	DB15	30	330m†	5.0u	.75m	50p		20	100G†	20	10m	3.0MØ	100	6.0	72	5A		MP5g
87	DC15	30	330m†	10u	.75m	50p		20	100G†	20	10m	3.0MØ	100	6.0	72	5A		MP5g
88	DE15	30	330m†	20u	.75m	50p		20	100G†	20	10m	3.0MØ	100	6.0	72	5A		MP5g
89	D15	30	330m†	30u	.75m	50p		20	100G†	20	10m	3.0MØ	100	6.0	72	5A		MP5g
90	DK15	30	330m†	45u	.75m	50p		20	100G†	20	10m	3.0MØ	100	6.0	72	5A		MP5g
91	3550J	30	330m†	50u†§	1.0m§	10p†§	100p§	20	100G†	20	20m	10M†Ø	100 †	65	70 †	06	A256	TO99
92	3550K	30	330m†	50u†§	1.0m§	10p†§	100p§	20	100G†	20	20m	20M†Ø	100 †	100	70 †	06	A256	TO99
93	3550S	30	330m†	50u†§	1.0m§	10p†§	100p§	20	100G†	20	20m	10M†Ø	100 †	65	70 †	5C	A256	TO99
94	3551J	30	330m†	50u	1.0m§	10p§	100p§	20	100G	20	20m	50M§	88	250	70	06	A286	TO99
95	3551S	30	330m†	50u	1.0m§	10p§	100p§	20	100G	20	20m	50M§	88	250	70	5C	A286	TO99
96	DL15	30	330m†	50u	1.5m	100p		20	100G†	20	10m	2.5MØ	98	4.5	60	5A		MP5g
97	TL084AMJ*	30	336m	10u†	5.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A373g	MP139b
98	TL084BCJ*	30	336m	10u†	5.0m	3.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A373g	MP139b
99	TL084ACJ*	30	336m	10u†	7.5m	3.0n	7.0n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	07	A373g	MP139b
100	TL084IJ*	30	336m	10u†	9.0m	10n	20n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	28	A373g	MP139b
101	TL084MJ*	30	336m	10u†	9.0m	20n	50n	24	1.0T†	24	10kØ	3.0MØ	94	13 †	80	5C	A373g	MP139b
102	PM4136	30	340m		6.0m	500n	1.5u	24	300k	20	2.0kØ	3.0MØ†	94	1.5 †	70	5C	A401	MP14ak
103▼	RM4136CJ*	30	340m		6.0m	500n	1.5u	30	300k	20	2.0kØ		86	1.0	70	5C	A210	FP24
104	RM4136J	30	340m		6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	94	1.5	70	5C	A359b	MP139b
105	PM4136C	30	340m		7.5m	300n	800n	24	300k	20	2.0kØ	3.0MØ†	86	1.0 †	70	07	A401	MP14ak
106	RC4136J	30	340m		7.5m	300n	800n	24	300k	24	10kØ	3.0MØ†	86	1.0	70	07	A358	MP139b
107	RC4136N	30	340m		7.5m	300n	800n	24	300k	24	10kØ	3.0MØ†	86	1.0	70	07	A359b	MP598
108▼	RV4136DB*	30	340m		7.5m	300n	800n	24	300k	20	2.0kØ	3.0M†Ø	86	1.0 †	70	48	A210	MP39d
109▼	RV4136DC*	30	340m		7.5m	300n	800n	24	300k	20	2.0kØ	3.0M†Ø	86	1.0 †	70	48	A210	MP153g
110	145-08	30	360m†	250n	25u§		100p§		300k†	20 †	25m	10M§	160	250		58		MP53

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS						MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS	
				OVER OPERATING TEMP. RANGE				MIN.-@25°C										
				MAX VOLTAGE		MAX CURRENT												
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	3 DRFT (V/°C)	4 OFST (V)	OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1	1020-03	30	360m	250n	500u§	5.0n	25n	20	4.0M	20	10m	500kØ	120	300m	100	28		MP5c
2	145	30	360m†	500n	25u§		100p§		300k†	20 †	25m	10M§	160	250		58		MP53
3	145L	30	360m†	500n	25u§		100p§		300k†	20 †	25m	10M§	160	250		58		MP53
4	1020-02	30	360m	500n	500u§	5.0n	25n	20	4.0M	20	10m	500kØ	120	300m	100	28		MP5c
5	1762	30	360m†	1.0u	Δ	10n†	25n	20 †	1.0M†	20	40m	10MØ	100	12	80	28		MP5y
6♦	1020-01	30	360m	1.5u	500u	5.0n	25n	20	4.0M†	20	10m	500kØ	110	300m	86	28		MP199m
7	DA17	30	360m†	2.0u	.50m	50p		10	100G†	20	10m	3.0MØ	100	6.0	92	5A		MP5g
8	1761	30	360m†	3.0u	Δ	10n†	25n	20 †	1.0M†	20	40m	10MØ	100	12	80	28		MP5y
9	1726	30	360m†	5.0u	Δ	10n†	25n	20 †	1.0M†	20	40m	10MØ	100	12	80	28		MP5y
10	DB17	30	360m†	5.0u	.50m	50p		10	100G†	20	10m	3.0MØ	100	6.0	92	5A		MP5g
11♦	1020	30	360m	5.0u	3.0m	5.0n	25n	20	4.0M†	20	10m	500kØ	110	300m	86	28		MP199m
12	3055/01	30	360m	5.0u	3.3m		440n	22	150k	20	10m	1.0MØ	94	1.2	90	28		CN1a
13	3051/01	30	360m	5.0u	3.5m		460n	22	150k	20	20m	1.0MØ	94	1.2	90	5C		CN1a
14	LH0062CD	30	360m	5.0u§†	20m	200p	2.0n	20	1.0T†	24	20m	15MØ	88	50	70	28	A219	MP490
15	LH0062CH	30	360m	5.0u§†	20m	200p	2.0n	20	1.0T†	24	20m	15MØ	88	50	70	28	A219	CN1d
16	2119	30	360m	10u	Δ	25p§		20	100G	20	40m	2.5M	100	150	80	58	A079	MP5y
17	DC17	30	360m†	10u	.50m	50p		10	100G	20	10m	3.0MØ	100	6.0	92	5A		MP5g
18	3056/01	30	360m	10u	4.6m		550n	22	300k†	20	10m	900kØ	93	1.0	80	28		CN1a
19	3052/01	30	360m	10u	5.0m		580n	22	150k	20	20m	1.0MØ	93	1.2	80	5C		CN1a
20▼	CA3240AE1*	30	360m	15u†	3.0m†Δ	5.0p†	10p†	27	1.5T†	26	2.0kØ	4.5M§	96 †		70	48	A378	Δ001AB
21▼	CA3240AE*	30	360m	15u†	3.0m†	5.0p†	10p†	27	1.5T†	26	2.0kØ	4.5M§	96 †		70	48	A378	MP446
22▼	CA3240E1*	30	360m	15u†	10m†Δ	5.0p†	10p†	26	1.5T†	26	2.0kØ	4.5M§	96 †		70	48	A378	Δ001AB
23▼	CA3240E*	30	360m	15u†	10m†	5.0p†	10p†	26	1.5T†	26	2.0kØ	4.5M§	96 †		70	48	A378	MP446
24	1027-01	30	360m	15u	15m§	10p§†	50p§	20	1.0T†	20	40m	10MØ	100	60	80	28		MP199p
25	D9	30	360m	20u	Δ	20n		22	200k	20	10m	10MØ	99 †	2.2	94 †	5A		MP5g
26	D14	30	360m	20u	Δ	20n			200k	20	10m	20MØ	86	30		58		MP5j
27	DE17	30	360m†	20u	.50m	50p		10	100G	20	10m	3.0MØ	100	6.0	92	5A		MP5g
28	2118	30	360m	25u	Δ	30p§		20	100G	20	40m	2.5M	100	150	80	58	A079	MP5y
29	D17	30	360m†	30u	.50m	50p		10	100G†	20	10m	3.0MØ	100	6.0	92	5A		MP5g
30	3057/01	30	360m	30u	7.8m		660n	22	200k†	20	10m	700kØ	90	.60	100 †	28		CN1a
31	3053/01	30	360m	30u	9.0m		700n	22	150k	20	20m	900kØ	90	1.0	80	5C		CN1a
32	DK17	30	360m†	45u	.50m	50p		10	100G†	20	10m	3.0MØ	100	6.0	92	5A		MP5g
33	2117	30	360m	50u	Δ	50p§		20	100G	20	40m	2.5M	100	150	80	58	A079	MP5y
34	1027	30	360m	50u	15m§	10p§†	50p§	20	1.0T†	20	40m	10MØ	100	60	80	28		MP199p
35	1009	30	360m	75u	Δ		30p§	14	1.0T†	20	10m	1.5MØ†	93	5.0	60 †	58	A082	MP5d
36	9816	30	360m	100u	20m	20u	50u	2.0	10k	10	6.0m	1.0G§	60	1.0k	50	58		MP268
37▼	9917	30	360m	100u	20m	100p	300p	27	100G	30	20m	100M§	60	200	60	5C		MP657
38	9491A	30	360m	100u	50m	50u	50u	2.0	10k	10	6.0m	1.0G§	60	1.0k	40	58		MP⧄
39	416#1	30	360m	500u†	100m†		200n†	20 †	20k†	20 †	4.0 Ø	2.0MØ†	53 †	5.0 †	80 †	28		OCT
40	440KR#1	30	360m	500u	100m		200n	20		24	3.0 Ø	25k	500	5.0	80	58	A135	MP190
41	9908	30	360m	3.0m		100p	300p	22	100G	20		300k	50	200	50	6C	A291	MP463
42	1522	30	390m	10u	Δ	10p§	20p§	30 †	1.0T	20	40m	15M†§	140 †	100 †	80 †	28	A136	MP199a
43	1572	30	390m	10u	Δ	10p§	20p§	30 †	1.0T	20	40m	18M†§	113 †	60 †	80 †	28	A136	MP199a
44	AM100C	30	390m	10u	Δ	10p§	20p§	30	1.0T	20	40m	18M†§	114 †	60 †	80 †	28	A136	MP5cm
45	1561	30	390m	20u	Δ	10p§	20p§	30 †	1.0T	20	40m	7.0M†§	106 †	60 †	80 †	28	A136	MP199a
46	1581	30	390m	20u	Δ	10p§	20p§	30 †	1.0T	20	40m	7.0M†§	113 †	60 †	80 †	28	A136	MP199a
47	1591	30	390m	20u	Δ	10p§	20p§	30 †	1.0T	20	40m	7.0M†§	113 †	60 †	92 †	28	A136	MP199a
48	AM101B	30	390m	20u	Δ	10p§	20p§	30	1.0T	20	40m	7.0M†§	114 †	60 †	92 †	28	A136	MP5cm
49	1521	30	390m	25u	Δ	10p§	20p§	30 †	1.0T	20	40m	15M†§	140 †	100 †	80 †	28	A136	MP199a
50	1551	30	390m	25u	Δ	20p§	25p§	30 †	1.0T	20	40m	5.0M†§	100 †	35 †	66 †	28	A136	MP199a
51	1571	30	390m	25u	Δ	10p§	50p§	30 †	1.0T	20	40m	18M§†	113 †	60 †	80 †	28	A136	MP199a
52	AM100B	30	390m	25u	Δ	10p§	50p§	30	1.0T	20	40m	18M†§	114 †	60 †	80 †	28	A136	MP5cm
53	1560	30	390m	40u	Δ	10p§	50p§	30 †	1.0T	20	40m	7.0M†§	106 †	60 †	80 †	28	A136	MP199a
54	1580	30	390m	40u	Δ	10p§	50p§	30 †	1.0T	20	40m	7.0M†§	113 †	60 †	80 †	28	a136	MP199a
55	1590	30	390m	40u	Δ	10p§	50p§	30 †	1.0T	20	40m	7.0M†§	113 †	60 †	92 †	28	A136	MP199a
56	AM101A	30	390m	40u	Δ	10p§	50p§	30	1.0T	20	40m	7.0M†§	114 †	60 †	92 †	28	A136	MP5cm
57	1520	30	390m	50u	Δ	10p§	30p§	30 †	1.0T	20	40m	15M†§	140 †	100 †	80 †	28	A136	MP199a
58	1550	30	390m	50u	Δ	20p§	50p§	30 †	1.0T	20	40m	5.0M†§	100 †	35 †	66 †	28	A136	MP199a
59	1570	30	390m	50u	Δ	10p§	100p§	30 †	1.0T	20	40m	18M§†	113 †	60 †	80 †	28	A136	MP199a
60	AM100A	30	390m	50u	Δ	10p§	100p§	30	1.0T	20	40m	18M†§	114 †	60 †	80 †	28	A136	MP5cm
61	302	30	390m	60u	Δ		500f	400	10G	20	4.0m	20kØ	80	4.0m	120	28		MP5cu
62	303	30	390m	60u	Δ		500f	400	10G	20	4.0m	15kØ	80	4.0m	120	28		MP5cu
63#	SN72709DN*	30	400m		10m	750n	2.0u	16	50k	24	10kØ		83	500m†	65	07	A003	TO116
64	LH0024H	30	405m	20u	6.0m	10u	40u	24		24	1.0kØ	15MØ†	72	400	60 †	5C	A217	CN1d
65	LH0024CH	30	405m	25u	10m	20u	50u	24		20	1.0kØ	15MØ†	69	250	60 †	28	A217	CN1d
66	301	30	405m	50u	Δ		2.0p	600	10G	20	40	500kØ	114	300m	160	28		MP5cu
67	RC3301N*	30	420m				300n§		100k	27	10m†	4.0MØ†	60	600m†		48		FP56
68	RC3401DB*	30	420m				300n§		100k	27	10m†	5.0MØ†	60	600m†		07	A410	MP153f
69	uA739DC	30	420m		6.0m	1.0u	300n†	20	37k	26			76	1.0 †	70	07	A109	MP486b
70	uA739PC	30	420m		6.0m	1.0u	300n†	20	37k	26			76	1.0 †	70	07	A109	MP252f
71	uA749DC	30	420m	3.0u†	9.0m	1.5u	3.0u	-13 §	50k	26			84	2.0 †	70	07	A113	MP486b
72	uA749PC	30	420m	3.0u†	9.0m	1.5u	3.0u	-13 §	50k	26			84	2.0 †	70	07	A113	MP252f
73	DL17	30	420m†	50u	1.0m	100p		8.0	100G†	20	10m	2.5MØ	98	4.5	70	5A		MP5g
74	LM148	30	430m		6.0m	75n	325n	24	800k	24	10kØ	1.0M†	96	500m†	70	5C	A300	TO116
75	LM148F	30	430m		6.0m	75n	325n	24	800k	24	10kØ	1.0M†	96	500m†	70	5C	A300	FP29a
76	LM149	30	430m		6.0m	75n	325n	24	800k	24	10kØ	4.0M†	96	2.0 †	70	5C	A300	TO116
77	LM149F	30	430m		6.0m	75n	325n	24	800k	24	10kØ	4.0M†	96	2.0 †	70	5C	A300	FP29a
78	A226	30	450m	500n⧄	50u§Δ		50p§	SE	400k†	20	40m	15M†Ø	140	100		28	A053b	MP5cc
79	A225	30	450m	1.0u⧄	50u§Δ		100p§	SE	400k†	20	40m	10MØ†	140	100		28	A053b	MP5cc
80	D27	30	450m	2.0u	1.0mΔ		10p§	22	100G	22	22m	1.5MØ	100	2.0	86	5C		MP5ar
81	1622	30	450m	5.0u	Δ	10p§	20p§	30 †	1.0T	20	20m	5.0M†§	106 †	10 †	80 †	28	A136	MP199a
82	A137	30	450m†	5.0u⧄	1.0m§		10p§	20	1.0T†	20	40m	10MØ	100	100	86	28	A097	MP5ab
83	LH0061CK	30	450m	5.0u§†	15m	500n	1.0u	22	300k	20	20 Ø		88	50	60	28	A233	CN22f
84	1621	30	450m	10u	Δ	10p§	20p§	30 †	1.0T	20	20m	5.0M†§	106 †	10 †	80 †	28	A136	MP199a
85	A136	30	450m†	10u⧄	1.0m§		10p§	20	1.0T†	20	40m	10MØ	100	100	86	28	A097	MP5ab
86	1620	30	450m	20u	Δ	10p§	20p§	30 †	1.0T	20	20m	5.0M†§	106 †	10 †	80 †	28	A136	MP199a
87	1731§	30	450m†	20u	Δ	100p†	200n	8.0 †	200k†	20	200m	5.0MØ	94	2.5	80	28		MP5g
88	3401B	30	450m	20u	Δ	10p†	20p§	20	100G†	20	40m	8.0MØ	100	65	92 †	28		MP5s
89	3402B	30	450m	20u	Δ	10p†	20p§	20	100G†	20	40m	10MØ	100	60 †	60 †	28		MP5s
90	147A	30	450m†	25u	Δ		25n§	SE	200k†	20	30m	20M§	100	300		58	A164	MP38a
91	1017	30	450m	45u	6.0mΔ		100n§	20	40k	20	250m	1.0MØ	86	300m	60	28		MP199m
92	1672	30	450m†	50u	Δ	30p†	100p	20 †	10G†	20	40m	25MØ	94	100	74	58		MP5y
93	1787	30	450m†	50u		100p†	100p	20	100G†	20	40m	25MØ†	93	100	73	58		MP5y
94	1820	30	450m	50u		100p	500p	20	100G	20	40m	25M	94	100	74	28		MP5y
95	3401A	30	450m	50u	Δ	10p†	20p§	20	100G†	20	40m	8.0MØ	100	65	92 †	28		MP5s
96	3402A	30	450m	50u	Δ	10p†	20p	20	100G†	20	40m	10MØ	100	60	60 †	28		
97	AD060	30	450m	50u⧄	3.0mΔ§		50p§	20	10G	20	40m	10M§	100	100	66	28	A053b	MP42f
98	9916	30	450m	150u	30m	10u	30u	2.0	10k	10	10m	200MØ	60	300	30	6C		MP153c
99♦	L144CJ*	30	470m⧄	3.3u†§	10m§	70n§	250n§			20		600kØ†	66	400m†	70	07	A321	MP14af
100	TL084CJ	30	480m	10u†	20m	1.0n	6.0n			24			88		70	07	A362	MP139b
101	SK3514-RT	30	500m		2.0m†	20n†		26 †		28 †			106 †		90 †	07		Δ002AL
102	AMLM348N*	30	500m		6.0m§	50n§	200n§	24	800k	20	2.0kØ	1.0MØ	87	500m†	70	06	A341	MP⧄
103	AMLM349N*	30	500m		6.0m§	50n§	200n§	24	800k	20	2.0kØ	4.0M§	87	2.0 †	70	06	A341	MP⧄
104	ICH8500ATV	30	500m		20m§			20		24	10kØ		86		60	28	A162	CN1f
105	ICH8500TV	30	500m		20m§			20		24	10kØ		86	500m†	60	28	A162	CN1f
106♦	LH2308AF⧄*	30	500m⧄	5.0u	750u	1.5n	10n	28	10M	26	10kØ		98		96	07	A221	MP548
107♦	LH2108AF⧄*	30	500m⧄	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A221	MP548
108♦	LH2208AF⧄*	30	500m⧄	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A221	MP548
109♦	LH2308F⧄*	30	500m⧄	10u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A221	MP548
110♦	LH2108F⧄*	30	500m⧄	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A221	MP548

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE		MAX CURRENT		MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	3 DRFT (V/°C)	4 OFST (V)	OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1♦	LH2208F⧄*	30	500m⧄	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A221	MP548
2	RM101ABL	30	500m⧄	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A298	CH24
3	RC101ABL	30	500m⧄	20u	6.0m	30n	300n	30	500k	24	10kØ		88		70	07	A298	CH24
4	RC1556ANB	30	500m⧄	20u	6.0m	14n	40n	22	3.0M†	22	2.0kØ	3.0MØ	100 †	1.5	70	07	A100	MP236
5	RC1556AT	30	500m⧄	20u	6.0m	14n	40n	22	3.0M†	22	2.0kØ	3.0MØ	100 †	1.5	70	07	A100	TO99
6	AD301AN	30	500m⧄	30u	10m	70n	300n	24 Δ	500k	20	10kØ		87		70	07	A134	MP189
7♦	LH2301AF⧄*	30	500m	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A220	MP548
8	LM307L	30	500m⧄	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A235	MP139
9	LM307N	30	500m⧄	30u	10m	70n	300n	24	500k	24	10kØ		88		70	07	A235	MP491
10▼	LM307N⧄	30 ♦	500m⧄	30u	10m	70n	300n	24	500k	24	10kØ	5.0kØ†	88		70	07	A352a	MP549a
11	A522	30	510m	1.0u§	1.0m§		10n§	SE	100kØ	20	40m	100M	120	300		28		MP497
12	A521	30	510m	5.0u§	1.0m§		30n§	SE	100kØ	20	40m	100M	120	300		28		MP497
13	1601	30	510m	20u	Δ	10p§	50p§	30 †	1.0T	20	40m	45M†§	112 †	140 †	92 †	28	A136	MP199a
14	1611	30	510m	20u	Δ	10p§	50p§	30 †	1.0T	20	40m	45M†§	112 †	400 †	80 †	28	A136	MP199a
15	A520	30	510m	20u§	1.0m§		20n§	SE	100kØ	20	40m	100M	120	300		28		MP497
16	1600	30	510m	40u	Δ	10p§	50p§	30 †	1.0T	20	40m	45M†§	112 †	140 †	92 †	28	A136	MP199a
17	1610	30	510m	40u	Δ	10p§	50p§	30 †	1.0T	20	40m	45M†§	112 †	400 †	80 †	28	A136	MP199a
18	3450	30	525m	1.0u§	500u§	30n§	50n§	20	10m	20	10m	1.0k	94		100	28	A268	MP400
19	3452	30	525m	5.0u§	300u§	2.0p§	20p§	20	100G	20	10m	1.0k	94		90	28	A285	MP400
20▼	3455$	30	525m	5.0u	300u§	2.0p†§	20p§	10	100G†	20	10m	2.5k†	94		90 †	28	A285a	MP400
21	3451	30	525m	50u§	20m§	2.0p§	25p§	20	100G	20	10m	1.0k	88		80	28	A268	MP400
22	LM248	30	540m		7.5m	125n	500n	24	800k	24	10kØ	1.0M†	96	500m†	70	28	A300	TO116
23	LM249	30	540m		7.5m	125n	500n	24	800k	24	10kØ	4.0M†	96	2.0 †	70	28	A300	TO116
24	LM348	30	540m		7.5m	100n	400n	24	800k	24	10kØ	1.0M†	96	500m†	70	07	A300	TO116
25	LM349	30	540m		7.5m	100n	400n	24	800k	24	10kØ	4.0M†	96	2.0 †	70	07	A300	TO116
26▼	uA759T2C	30	540m		7.5m	100n	400n	28 §	250k	20	650m	1.0M†Ø	85	500m†	70	0C	A416c	MP553
27▼	MN2020†	30	540m	5.0u†	100u†Δ		10n	36 †Δ	1.0G†	20	5.0m	100k⧄†	42	12 †		07	A412	MP725
28	135P2	30	540m	20u	Δ	50p		30	100G†	20	20m	5.0MØ	120	100	109	28		MP60
29	AM102B	30	540m	20u	Δ	10p§	50p§	30	1.0T	20	40m	45M†§	112 †	140 †	92 †	28	A136	MP5cm
30	AM103B	30	540m	20u	Δ	10p§	50p§	30	1.0T	20	40m	45M†§	112 †	140 †	80 †	28	A136	MP5cm
31	9730	30	540m	30u	20mΔ	20p	100p	20	100G	20	60m	2.0G§	86	1.0k	110	59		MP268a
32	AM102A	30	540m	40u	Δ	10p§	50p§	30	1.0T	20	40m	45M†§	112 †	140 †	92 †	28	A136	MP5cm
33	AM103A	30	540m	40u	Δ	10p§	50p§	30	1.0T	20	40m	45M†§	112 †	140 †	80 †	28	A136	MP5cm
34	9724	30	540m	100u	Δ	5.0p	10p	12	100G	20	200m	300M§	90	1.0k	20	58		MP6p
35	9826	30	540m	100u	20m	20u	50u	2.0	10k	10	100m	1.0G§	60	1.0k	50	58		MP268
36	210	30	570m	1.0u⧄	100m§	100p§		SE	500k	20	40m	20MØ	160	100		28		MP17b
37	211	30	570m	2.0u⧄	100m§	150p§		SE	500k	20	40m	20MØ	160	100		28		MP17b
38	1859	30	600m	500n	25u§	50p§			200k†	20	10m	500kØ†	140 †	1.5 †		06		MP5aw
39	120B	30	600m	8.0u	Δ	4.0n§	55n§	30	200k	20	50m	10MØ	114	250		28		MP5ab
40	120A	30	600m	15u	Δ	4.0n§	55n§	30	200k	20	50m	10MØ	114	250		28		MP5ab
41	1030	30	600m	25u	5.0m§	10p§†	20p§	20	100G†	20	40m	100M§	100	500	86	28		MP508v
42	LH0032G883	30	600m	25u†	10m	2.5n	20n	20		20	1.0kØ	300k†	63	500 †	50	5C	A218	CN18c
43	LH0032G	30	600m	25u†	10m	25n	50n	20		20	1.0kØ	1.4MØ†	60	500 †	50	5C	A218	CN18c
44	NC0032	30	600m	25u†	10m	25n	50n	20		20	1.0kØ	1.4MØ†	60	500 †	50	5C	A218	CN18c
45	NC0032-883B	30	600m	25u†	10m	2.5n	20n	20		20	1.0kØ	300k†	63	500 †	50	5C	A218	CN18c
46	A130	30	600m†	50u⧄	Δ	10p†	50p§	20	1.0T	20	40m	15MØ	94	500	80 †	28	A097	MP5ab
47	A131	30	600m†	50u⧄	Δ	10p†	50p§	20	1.0T	20	40m	15MØ	94	300	80 †	28	A097	MP5ab
48	9406	30	600m	125u	10m	2.0u	10u	12	5.0k	20	6.0m	1.0G§	57	300	50	58		CN⧄
49	9906	30	600m	150u	10m	3.0u	10u	20	50k	20	9.0m	300M§	60	250	50	5C		MP⧄
50	XR4202P*	30	625m⧄		5.0m	10n	100n	24	100k	20	3.0kØ	3.5M§†	84 †	1.5 †	70	48	A323	MP343a
51	XR4136CP*	30	625m⧄		7.5m	300n	800n	24	300k	24	10kØ	3.0MØ†	86	1.6 †	70	07	A322	MP402
52	XR4212CP*	30	625m		7.5m	200n	800n	24	300k	24	10kØ	3.0MØ†	74	1.6 †	70	07	A322	MP402
53	147C	30	660m	5.0u	1.0m	3.0p§	15p§	18	100G	20	20m	10MØ	120	10	110	28		MP8d
54	AM500GC	30	660m	5.0u	3.0m	500p	4.0n	10	30M†	20	100m	100M§	120	1.0k		07	A379	MP653
55▼	AM500MC	30	660m	5.0u	3.0m	500p	4.0n	10	30M†	20	100m	100M§	120	1.0k		07	A379	MP653a
56	AM500MR	30	660m	7.0u	3.0m	500p	4.0n	10	30M†	20	100m	100M§	120	1.0k		28	A379	MP653a
57	147B	30	660m	10u	1.0m	3.0p§	15p§	18	100G	20	20m	10MØ	120	10	110	28		MP8d
58	AM500MM	30	660m	10u	3.0m	500p	4.0n	10	30M†	20	100m	100M§	120	1.0k		5C	A379	MP653a
59	147AΔ	30	660m	15u	1.0m	10p§	30p§	18	100G	20	20m	10MØ	120	10	110	28		MP8d
60	9932	30	660m	25u	20m	30p	100p	20	100G	20	40m	1.0GØ	60	500	50	5C		MP657
61	LH0032CG	30	660m	25u†	20m	5.0n	15n	20		20	1.0kØ	1.4MØ†	60	500 †	50	28	A218	CN18c
62	NC0032C	30	660m	25u†	20m	5.0n	15n	20		20	1.0kØ	1.4MØ†	60	500 †	50	28	A218	CN18c
63	9720	30	660m	1.0m	50m	5.0p	10p	22	100G	20	6.0m	20MØ	40	100	60	58		MP5bk
64	uA3503D	30	670m⧄	10u†	6.0m	200n	1.5u	28		24	10kØ	1.0MØ†	94	600m†	70	5C	A326	MP486b
65	uA3403D	30	670m⧄	10u†	10m	200n	800n	28		24	10kØ	1.0MØ†	86	600m†	70	07	A326	MP486b
66	uA3403P	30	670m⧄	10u†	10m	200n	800n	28		24	10kØ	1.0MØ†	86	600m†	70	07	A326	MP252f
67	9830	30	690m	100u	20m	10u	30u	20	2.0k	20	100m	600M§	80	250	110	5A		MP5cg
68	XR4202N*	30	750m⧄		5.0m	10n	100n	24	100k	20	3.0kØ	3.5M§†	84 †	1.5 †	70	48	A323	MP343a
69	uA791KM	30	750m		6.0m	500n	1.5u	24	300k	24	1.0kØ		94		70	5C	A242	CN24b
70▼	uA791P5C	30	750m		6.0m	500n	1.5u	24	300k	24	1.0kØ		94		70	5C	A242	MP583
71	XR4136M*	30	750m⧄		6.0m	500n	1.5u	24	300k	24	10kØ	2.0MØ	94	1.6 †	70	5C	A322	MP402
72	XR4212M*	30	750m		6.0m	200n	1.5u	24	300k	24	10kØ	2.0MØ	86	1.6 †	70	5C	A322	MP402
73▼	TDB0791SP	30	750m		7.5m	300n	800n	24		23	1.0kØ	150k†⧄	84	10	70	07	A413	MP726
74	uA791KC	30	750m		7.5m	300n	800n	24	300k	23	1.0kØ		86		70	07	A242	CN24b
75	XR4136CN*	30	750m⧄		7.5m	300n	800n	24	300k	24	10kØ	3.0MØ†	86	1.6 †	70	07	A322	MP402
76	XR4212CN*	30	750m		7.5m	200n	800n	24	300k	24	10kØ	3.0MØ†	74	1.6 †	70	07	A322	MP402
77	220B	30	750m	200n	Δ		100p§	30	300k	20	50m	10MØ	160	250		28		MP199j
78	220J	30	750m	500n	Δ		100p§	30	300k	20	50m	10MØ	160	250		16		MP199j
79	9817	30	750m	2.0u	1.0m	50n	200n	20	1.0M	20	100m	300M§	120	300	86	58		MP268
80	9818	30	750m	2.0u	1.0m	50n	200n	20	1.0M	20	100m	70M§	120	40	86	58		MP268
81♦	L144AL*	30	750m⧄	3.3u†§	6.0	50n§	200n§			20		600kØ†	66	400m†	80	5C	A321	FP29b
82♦	L144AP*	30	750m⧄	3.3u†§	6.0	50n§	200n§			20		600kØ†	66	400m†	80	5C	A321	MP493a
83♦	L144BL*	30	750m⧄	3.3u†§	6.0	50n§	200n§			20		600kØ†	66	400m†	80	28	A321	FP29b
84♦	L144BP*	30	750m⧄	3.3u†§	6.0	50n§	200n§			20		600kØ†	66	400m†	80	28	A321	MP493a
85	423⧄	30	750m	10u	20m		500n	60	20k	36	8.0 Ø	150k	94	5.0	80	28		OCT
86	9823	30	750m	20u	Δ	10u	20u	22	10k	20	40m	75M§	60	300	90	5A		MP5cg
87	1717	30	750m†	25u	Δ	200n†	500n	10	200k†	22	220m	2.0MØ†	86	1.5 †	80	58		MP5am
88	D32	30	750m	25u	5.0m	.75u		20	100k	22	80m	800kØ	88	.25	90 †	5A		MP5u
89	D33	30	750m	25u	5.0m	.75u		20	100k	22	220m	800kØ	88	.25	90 †	5A		MP5g
90	H60	30	750m	40u§	Δ		100p§	20	100G†	20	20m	10MØ	92	100	90 †	58		CN2f
91	3400B	30	750m	50u	Δ	50p†	100p§	20	100G†	20	40m	100MØ	90	1.0k†	66 †	28		MP5s
92	A440	30	750m†	50u⧄	Δ		50p§	20	1.0T	20	200m	15MØ	94 †	300	88 †	28	A097	MP5bs
93	1430	30	750m	75u	2.0m§		500p§	6.0 †	100G†	20	100m	80M§	106	500		28		MP449
94	3400A	30	750m	100u	Δ	50p†	100p§	20	100G†	20	40m	100MØ	90	1.0k†	66 †	28		MP5s
95	AMLM148D*	30	900m⧄		5.0m§	25n§	100n§	24	800k	20	2.0kØ	1.0MØ	93	500m†	70	5C	A341	MP⧄
96	AMLM149D*	30	900m⧄		5.0m§	25n§	100n§	24	800k	20	2.0kØ	4.0M§	93	2.0 †	70	5C	A341	MP⧄
97	AMLM248D*	30	900m⧄		6.0m§	50n§	200n§	24	800k	20	2.0kØ	1.0MØ	87	500m†	70	28	A341	MP⧄
98	AMLM249D*	30	900m⧄		6.0m§	50n§	200n§	24	800k	20	2.0kØ	4.0M§	87	2.0 †	70	28	A341	MP⧄
99	AMLM348D*	30	900m⧄		6.0m§	50n§	200n§	24	800k	20	2.0kØ	1.0MΔ	87	500m†	70	06	A341	MP⧄
100	AMLM349D*	30	900m⧄		6.0m§	50n§	200n§	24	800k	20	2.0kØ	4.0M§	87	2.0 †	70	06	A341	MP⧄
101	9808	30	900m	2.0u	1.0m		100n		500k	20	200m	60M§	120	1.8k		58		MP213
102	3500MP*	30	900m	5.0u	2.0m§	25n§	50n§	22	10M	20	20m	1.5M†Ø	100 †	800m	100 †	28		TO99
103	FA502	30	900m	20u§	5.0m§		100p§		100GØ	10	200m	50M		500		06		MP502
104	3341/15C	30	900m	25u	1.0m§		100p§		100G†	20	200m	50MØ	100	1.0k		28		MP287a
105	1435	30	900m	25u	5.0m§		20u§	20	2.5k†	10	20m	700M§	80	250	70	58	Z909	MP488a
106	1435-83	30	900m	25u	5.0m§		20u§	20	2.5k†	10	20m	700M§	80	250	70	58	Z909	MP488a
107	9912	30	900m	1.0m	25m	10u	40u	20	50k	20	40m	800MØ	60	600	50	6C		MP656
108	9740	30	990m	20u	10m	20p	30p	2.0	100G	20	100m	300MØ	110	3.0k	30	58		MP459
109	9804	30	990m	100u	5.0m	3.0u	20u	20	3.0k	20	400m	500MØ	50	250	70	57		MP5bk
110	A504	30	1.0	10u§	1.0m§		15n§	SE	100kØ	20	50m	100M	126	1.0k		28		MP497

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS: 1 TOT. VOLT. (ΔV)	PWR SUP @25°C RATED SPECS: 2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE, MAX VOLTAGE: 3 DRFT (V/°C)	MAX VOLTAGE: 4 OFST (V)	MAX CURRENT: OFFSET (A)	MAX CURRENT: BIAS (A)	MIN.-@25°C: CM RANGE (ΔV)	MIN.-@25°C: DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C: P-P VOLT. (ΔV)	MIN. OUTPUT CHAR.@25°C: P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C: 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS: CKT.	OUT-LINE Δ=MO
1	9824A	30	1.0	10u	7.5m	3.0u	30u	20	3.0k	20	400m	300MØ	70	200	60	5A		MP457a
2	3554BM	30	1.0	15u⧄	1.0m§		50p§	22	1.0T†	20	200m	150M§	90	1.0k	44	28	A392	CN22e
3	A503	30	1.0	20u§	2.0m§		25n§	SE	100kØ	20	50m	100M	120	1.0k		28		MP497
4	3554SM	30	1.0	25u	1.0m§		50p§	22	1.0T†	20	200m	150M§	90	1.0k	44	5C	A392	CN22e
5	3554AM	30	1.0	50u⧄	2.0m§		50p§	22	1.0T†	20	200m	150M§	90	1.0k	44	28	A392	CN22e
6	9726	30	1.0	75u	20m	10p	30p	20	10G	20	400m	100M§	48	50	50	57		MP268
7	9412	30	1.0	150u	7.5m	3.0u	30u	22	3.0k	20	400m	300M§	50	200	70	57		CN⧄
8	9725	30	1.0	150u	20m	10p	30p	20	10G	20	400m	400M§	48	300	50	57		MP268
9	A133	30	1.2	25u†	Δ	10	50p†§	20	1.0T†	20 †	40m†	40MØ†	94 †	1.0k†	66 †	28	A097a	MP5bx
10	A132	30	1.2	50u†	Δ	10	50p†§	20	1.0T†	20 †	40m†	40MØ†	94 †	1.0k†	66 †	28	A097a	MP5bx
11	A134	30	1.2	50u⧄	Δ	100p	50p†§	20	1.0T	20	200m	40MØ†	94 †	1.0k	66 †	28	A097	MP5bx
12	A138	30	1.2	50u⧄	Δ	100p	100p		10G	20	200m	10MØ	92	600		28	A053	MP162
13	1025	30	1.2	50u	10m§	10p§†	20p§	8.0	100G†	20	100m	50MØ	100	500	80 †	28		MP508v
14▼	9914	30	1.2	100u	30m	20u	50u	20	10k	20	50m	2.5G§	70	1.0k	90	58		MP658
15	9737	30	1.2	1.0m		5.0p	10p	22	100G	20	40m	200k	60	600	40	58	A290	MP462
16	OA304	30	1.3	500n	2.0m§	25n§	100n§	24	4.0M†	20	2.0kØ		93	5.0	80	27		MP14t
17	OA305	30	1.3	1.0u	2.0m§	25n§	100n§	24	4.0M†	20	2.0kØ		93	5.0	80	27		MP14t
18	OA301A	30	1.3	1.5u	2.0m§	25n§	100n§	24	4.0M†	20	2.0kØ		93	5.0	80	27		MP14t
19	OA302	30	1.3	3.0u	2.0m§	25n§	100n§	24	4.0M†	20	2.0kØ		93	5.0	80	27		MP14t
20	ZA910M1	30	1.5 †	100u§	Δ		400p§	SE	100G†	20	100m	70MØ	120	2.0k		28		MP208b
21	946	30	1.6	100u§	Δ	40p	200p	20 †	100G†	20 †	200m†	35MØ	94 †	1.0k†	60	07		MP254
22	9909	30	1.8	1.0m	100m	20u	50u	20	10k	20	20m	1.0G§	67	2.0k	60	58		MP658
23#	SN72741DN*	31	170m		7.5m	300n	800n	24	300k	24	10kØ		86	500m†	70	07	A154	TO116
24#	TBA221G	36			7.5m	200n	800n	26	2.0M	28	10kØ		88	500m	70	07	A042	
25#	TBA221GG	36			7.5m	200n	800n	26	2.0M	28	10kØ		88	500m	70	07	A042	
26#	SFC2310	36		10u	10m		10n		10G	20			0.0			07	A122	TO99
27#	SFC2310DC	36		10u	10m		10n		10G	20			0.0			07		MP48
28#	SFC2310EC	36		10u	10m		10n		10G	20			0.0			07		TO116
29#	SFC2110M	36		12u	6.0m		10n		10G	20			0.0			5C	A122	TO99
30#	SFC2210	36		12u	6.0m		10n		10G	20			0.0			28	A122	TO99
31#	SFC2308	36		30u	10m	1.5n	10n	28	10M	26			94		80	07	A098	TO99
32#	SFC2308A	36		30u	10m	1.5n	10n	28	10M	26			94		80	07		TO99
33#	SFC2308DC	36		30u	10m	1.5n	10n	28	10M	26			94		80	07		MP48
34#	SFC2776EM	36	500u†	5.0u†	2.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	5C	A187a	TO116
35#	SFC2776M	36	500u†	5.0u†	2.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	5C	A187	TO99
36#	SFC2776PM	36	500u†	5.0u†	2.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	5C	A187	TO91
37#	SFC2778KM	36	500u†	5.0u†	2.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	5C		TO116
38#	SFC2778M	36	500u†	5.0u†	2.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	5C		TO99
39#	SFC2778PM	36	500u†	5.0u†	2.0m†	3.0n†	10n†	36	3.0M†	27	75kØ	300kØ	100 †	160n†	70	5C		TO31
40#	SFC2776C	36	1.0m†	10u†	3.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	07	A187	TO99
41#	SFC2776DC	36	1.0m†	10u†	3.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	07	A187a	MP48
42#	SFC2776EC	36	1.0m†	10u†	3.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	07	A187a	TO116
43#	SFC2778C	36	1.0m†	10u†	3.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	07		TO99
44#	SFC2778DC	36	1.0m†	10u†	3.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	07		MP48
45#	SFC2778EC	36	1.0m†	10u†	3.0m†	3.0n†	10n†	36	3.0M†	24	75kØ	300kØ	100 †	160n†	70	07		TO116
46	CA3094AE	36	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0k†	86	500 †	70	5C	A207	MP446
47	CA3094AS	36	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0k†	86	500 †	70	5C	A207	CN46
48	CA3094AT	36	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0k†	86	500 †	70	5C	A207	Δ002AL
49	SN72660FA	36	27m	30u	6.0m	4.0n	25n	27	4.0M	26	10kØ		88		80	07	A254	FP22
50	SN72660JA	36	27m	30u	6.0m	4.0n	25n	27	4.0M	26	10kØ		88		80	07	A254	MP381
51	SN72660L	36	27m	30u	6.0m	4.0n	25n	27	4.0M	26	10kØ		88		80	07	A254	TO99
52	SN72660N	36	27m	30u	6.0m	4.0n	25n	27	4.0M	26	10kØ		88		80	07	A254	MP39h
53	SN72660P	36	27m	30u	6.0m	4.0n	25n	27	4.0M	26	10kØ		88		80	07	A254	MP267
54	SN72308AFA	36	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	FP2t
55	SN72308AJA	36	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	MP381
56	SN72308AL	36 ♦	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	TO99
57	SN72308AN	36 ♦	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	MP39h
58	SN72308AP	36 ♦	28m	5.0u	730u	1.5n	10n	28	10M	26	10kØ		98		96	07	A198	MP267
59	SN72308FA	36	28m	15u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	FP2t
60	SN72308JA	36	28m	15u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	MP381
61	SN72308L	36 ♦	28m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	TO99
62	SN72308N	36 ♦	28m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	MP39h
63	SN72308P	36 ♦	28m	30u	10m	1.5n	10n	28	10M	26	10kØ		88		80	07	A198	MP267
64#	L141D1	36	85m		6.0m	200n	500n	24		20	2.0kØ	1.0M	86	500m	70	07	A042k	MP319a
65#	L141T1	36	85m		7.5m	300n	800n	24	300k	20	2.0kØ	1.0M	86	500m	70	07	A042k	TO99
66#	SFC2761M	36	150m†	6.0u	7.5m§	300n§	1.5u§	27	200k†	24	620 Ø		90 †	9.0 †	80	5C	A125a	CN44
67#	SFC2761PM	36	150m†	6.0u	7.5m§	300n§	1.5u§	27	200k†	24	620 Ø		90 †	9.0 †	80	5C	A125a	TO91
68#	SFC2761T	36	150m†	6.0u	7.5m§	300n§	1.5u§	27	200k†	24	620 Ø		90 †	9.0 †	80	28	A125a	CN44
69#	SFC2761DT	36	150m†	6.0u	8.5m§	300n§	1.5u§	27	200k†	24	620 Ø		90 †	9.0 †	80	28		MP27
70	A139	36	180m	15u⧄	1.0m	25p	25p	10	100G	20	40m	500k	100	50	78	28	A053	MP5s
71	SG310J	36 ♦	198m	10u†	7.5m§		7.0n§	30	10G	20	10kØ	12MØ†	0.0	20 †	80	07	A122	TO116
72	SG310M	36 ♦	198m	10u†	7.5m§		7.0n§	30	10G	20	10kØ	12MØ†	0.0	20 †	80	07	A122	MP189a
73	SG310N	36 ♦	198m	10u†	7.5m§		7.0n§	30	10G	20	10kØ	12MØ†	0.0	20 †	80	07	A122	MP39a
74	SG310T	36 ♦	198m	10u†	7.5m§		7.0n§	30	10G	20	10kØ	12MØ†	0.0	20 †	80	07	A122	TO99
75	SN72310FA	36	198m	10u	10m		10n		10G	20	10kØ		60			07	A122	FP22
76	SN72310JA	36	198m	10u	10m		10n		10G	20	10kØ		60			07	A122	MP381
77	SN72310L	36 ♦	198m	10u†	10m		10n		10G	20	10kØ	4.0MØ	0.0	30 †		07		TO99
78	SN72310N	36	198m	10u	10m		10n		10G	20	10kØ		60			07	A122	MP39h
79	SN72310P	36 ♦	198m	10u†	10m		10n		10G	20	10kØ	4.0M†Ø	0.0	30 †		07		MP161
80	SG110J	36 ♦	198m	12u	4.0m§		3.0n§		10G	20	10kØ	12MØ†	0.0	20 †		5C	A122	TO116
81	SG110T	36 ♦	198m	12u	4.0m§		3.0n§		10G	20	10kØ	12MØ†	0.0	20 †		5C	A122	TO99
82	SG210J	36 ♦	198m	12u	4.0m§		3.0n§		10G	20	10kØ	12MØ†	0.0	20 †		28	A122	TO116
83	SG210M	36 ♦	198m	12u	4.0m§		3.0n§		10G	20	10kØ	12MØ†	0.0	20 †		28	A122	MP189a
84	SG210N	36 ♦	198m	12u	4.0m§		3.0n§		10G	20	10kØ	12MØ†	0.0	20 †		28	A122	MP39a
85	SG210T	36 ♦	198m	12u	4.0m§		3.0n§		10G	20	10kØ	12MØ†	0.0	20 †		28	A122	TO99
86	LM110F883	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ		0.0			5C	A122	FP⧄
87	LM110H883	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ		0.0			5C	A122	TO99
88	SN52110FA	36	198m	12u	6.0m		10n		10G	20	10kØ		60			5C	A122	FP22
89	SN52110JA	36	198m	12u	6.0m		10n		10G	20	10kØ		60			5C	A122	MP381
90	SN52110JP	36	198m	12u	6.0m		10n		10G	20	10kØ		60			5C	A122	MP383
91	SN52110L	36 ♦	198m	12u	6.0m		10n		10G	20	10kØ	4.0M†Ø	0.0	30 †		5C		TO99
92	uA110HM	36	198m	12u†	6.0m		10n		10G	20	10kØ			30		5C	A122	CN1d
93	PC210	36	200m†	15u	5.0m§	130n§	600n†§	30 †	50k	28 †	5.0kØ	1.2M†	65	200u†	65	5C	A028	FP7d
94	IC900B	36	201m		6.0m	200n	500n	26	1.0M†	24	10kØ	14k†⧄	86	800m	90	07	A376	CH20
95	A188	36	216m	500n	150u§Δ		10n§	20	600k	20	10m	400kØ	115 †	200m	100	28	A097b	MP5bx
96#	TBA231	36	420m		6.0m	1.0u	2.0u	22		26			70	1.0	70	07		TO116
97▼	XR082P*	36	625m		6.0m	100p	200p	24		24		3.0M	88	13	80			
98▼	XR084P*	36	625m		6.0m	100p	200p	24		24		3.0M	88	13	80			
99▼	XR082CP*	36	625m		15m	200p	400p	20		20		3.0M	84	13	70			
100▼	XR084CP*	36	625m		15m	200p	400p	20		20		3.0M	84	13	70			
101▼	XR082M*	36	680m		3.0m	50p	200p	24		24		3.0M	88	13	80			
102▼	XR084M*	36	680m		3.0m	50p	200p	24		24		3.0M	88	13	80			
103▼	XR082N*	36	680m		6.0m	100p	200p	24		24		3.0M	88	13	80			
104▼	XR084N*	36	680m		6.0m	100p	200p	24		24		3.0M	88	13	80			
105▼	XR082CN*	36	680m		15m	200p	400p	20		20		3.0M	84	13	70			
106▼	XR084CN*	36	680m		15m	200p	400p	20		20		3.0M	84	13	70			
107	HX0032C	36	1.5	25u	3.0m	50p	200p		10G	30	15m	50M†Ø	60	500 †	50	07		TO8
108	NH0024	40			6.5m	7.0u	50u	24		24	6.0m		69	500	70	5C		TO99
109	NH0024-883	40			6.5m	7.0u	50u	24		24	6.0m		69	500	70	5C		TO99
110	NH0024C	40			8.0m	10u	65u	24		24	6.0m		69	500	70	07		TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1#	SFC2108AM	40		15u	3.0m	200p	3.0n	28	30M	26								
2#	SFC2108M	40		15u	3.0m	400p	3.0n	28	30M	26			94		85	5C		TO99
3#	SFC2108PM	40		15u	3.0m	400p	3.0n	28	30M	26			94		85	5C	A098	TO99
4#	SFC2208	40		15u	3.0m	400p	3.0n	28	30M	26			94		85	5C		TO91
5#	SFC2208A	40		15u	3.0m	400p	3.0n	28	30M	26			94		85	28	A098	TO99
6#	SFC2208PT	40		15u	3.0m	400p	3.0n	28	30M	26			94		85	28		TO99
7▼	uA207HM	40 ♦		15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		85	28		TO51
8	LH0001H	40 ♦	4.3m	4.0ut	2.0m	100n	300n	40	500k	20	2.0kØ		94		80	28	A342	CN1d
9	NH0001-883	40	5.0m	4.0ut	2.0m	100n	300n	28	500k	20			88		70	5C	A004	CN8
10	NH0001C	40	5.0m	4.0ut	2.0m	.10u	.30u	28	500k	20		5.0MØ	100	250m	70	5C	A004	CN8
11♦	JANM38510/10104ACA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ	5.0MØ	100 / 98	.25	70 / 96	07 / 5C	A173g	MP315
12♦	JANM38510/10104ACB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A173g	MP315
13♦	JANM38510/10104ACC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A173g	MP315
14♦	JANM38510/10104AGA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
15♦	JANM38510/10104AGB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
16♦	JANM38510/10104AGC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
17♦	JANM38510/10104AHA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A172e	FP31
18♦	JANM38510/10104AHB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A172e	FP31
19♦	JANM38510/10104AHC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A172e	FP31
20▼	JANM38510/10104APA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
21▼	JANM38510/10104APB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
22▼	JANM38510/10104APC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
23♦	JANM38510/10104BCA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A173g	MP315
24♦	JANM38510/10104BCB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A173g	MP315
25♦	JANM38510/10104BCC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A173g	MP315
26♦	JANM38510/10104BGA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
27♦	JANM38510/10104BGB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
28♦	JANM38510/10104BGC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
29♦	JANM38510/10104BHA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A172e	FP31
30♦	JANM38510/10104BHB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A172e	FP31
31♦	JANM38510/10104BHC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A172e	FP31
32▼	JANM38510/10104BPA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
33▼	JANM38510/10104BPB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
34▼	JANM38510/10104BPC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
35♦	JANM38510/10104CCA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A173g	MP315
36♦	JANM38510/10104CCB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A173g	MP315
37♦	JANM38510/10104CCC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A173g	MP315
38♦	JANM38510/10104CGA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
39♦	JANM38510/10104CGB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
40♦	JANM38510/10104CGC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A174j	CN1t
41♦	JANM38510/10104CHB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A172e	FP31
42♦	JANM38510/10104CHC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A172e	FP31
43▼	JANM38510/10104CPA	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
44▼	JANM38510/10104CPB	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
45▼	JANM38510/10104CPC	40 ♦	18m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A291c	MP694
46▼	uA108ADM	40	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A343	MP486b
47▼	uA108AFM	40	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A343	FP2w
48▼	uA108AHM	40	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A343	CN1d
49▼	uA208ADM	40	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A343	MP486b
50▼	uA208AFM	40	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A343	FP2w
51▼	uA208AHM	40	18m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A343	CN1d
52▼	uA108DM	40	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A343	MP486b
53▼	uA108FM	40	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A343	FP2w
54♦	uA108HM	40	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A343	CN1d
55▼	uA208DM	40	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A343	MP486b
56▼	uA208FM	40	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A343	FP2w
57	uA208H	40	18m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A343	CN1d
58	AMLM216A	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	28	A244	TO99
59	AMLM216AD	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	28	A244	MP14ad
60	AMLM316A	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	07	A244	TO99
61	AMLM316AD	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	07	A244	MP14ad
62	LM216AD	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	28	A208	MP490
63	LM216AF	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	28	A208	FP37
64	LM216AH	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	28	A208	CN1d
65	LM316AD	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	07	A208	MP490
66	LM316AF	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	07	A208	FP37
67	LM316AH	40 ♦	24m		6.0m	30p	100p	26	5.0G	26	10kØ		92		80	07	A208	CN1d
68▼	LM308AN☐	40 ♦	24m	5.0u	750u	1.5n	10n	28	10M	26	10kØ		98		96	07	A420a	MP549a
69▼	LM308AT	40 ♦	24m	5.0u	750u	1.5n	10n	28	10M	26	10kØ		98		96	07	A420b	CN1g
70	AMLM108A	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A157	TO99
71	AMLM108AD	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A157	MP14ad
72	AMLM108AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A157	FP18
73	AMLM208A	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A157	TO99
74	AMLM208AD	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A157	MP14ad
75	AMLM208AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A157	FP18

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS: 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE, MAX VOLTAGE: 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT: OFFSET (A)	BIAS (A)	MIN.-@25°C: CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C: P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C: 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS: CKT.	OUT-LINE Δ=MO
1	LH2108AD	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A221	MP230b
2	LH2208AD	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A221	MP230b
3	LM108AD	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	MP490
4	LM108ADE03	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C		MP401b
5	LM108ADE	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C		MP401j
6	LM108AF883	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30m	26	10kØ		92		96	5C		FP2n
7	LM108AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	FP37
8▼	LM108AFØ	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A420	MP319k
9	LM108AH	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	CN1d
10	LM108AJ03	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C		TO116
11	LM108AJ	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	TO116
12▼	LM108AT	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A420b	CN1g
13	LM108J03	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A098	FP37
14	LM208AD	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A098	MP490
15♦	LM208ADE	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A098	MP401j
16	LM208AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A098	FP37
17▼	LM208AFØ	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A420	MP319k
18	LM208AH	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A098	CN1d
19	LM208AJ	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A098	TO116
20▼	LM208AT	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A420b	CN1g
21	LM308AN	40	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		92		96	07	A098	MP189
22	JANM38510/10104CHA	40	24m	5.0u	1.0m	400p	3.0n	40 Δ	20MØ	32	10kØ	350kØ	98	100m	96	5C	A172e	FP31
23	MLM108AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A368	TO91
24	MLM108AG	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A368	TO99
25	MLM108AL	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A368	MP139a
26	MLM108AU	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A368	MP401a
27	MLM208AF	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A368	TO91
28	MLM208AG	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A368	TO99
29	MLM208AL	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A368	MP139a
30	MLM208AU	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	28	A368	MP401a
31	PM108AJ	40	24m	5.0u	1.0m	400p	3.0n	26	30M	26	10kØ				96	5C	A098	TO99
32	PM208AJ	40	24m	5.0u	1.0m	400p	3.0n	26	30M	26	10kØ				96	28	A098	TO99
33	SN52108AFA	40	24m	5.0u	1.0m	400u	3.0n	27	30M	26	10kØ		98		96	5C	A198	FP2t
34	SN52108AJA	40	24m	5.0u	1.0m	400u	3.0n	27	30M	26	10kØ		98		96	5C	A198	MP381
35	SN52108AJP	40	24m	5.0u	1.0m	400u	3.0n	27	30M	26	10kØ		98		96	5C	A198	MP383
36	SN52108AL	40 ♦	24m	5.0u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C	A198	TO99
37▼	LM308FØ	40 ♦	24m	10u	10m	1.5n	10n	28	10M	26	10kØ	15kØ†	88		80	07	A420	MP319k
38▼	LM308NØ	40 ♦	24m	10u	10m	1.5n	10n	28	10M	26	10kØ	15kØ†	88		80	07	A420a	MP549a
39♦	LM308T	40 ♦	24m	10u	10m	1.5n	10n	28	10M	26	10kØ	15kØ†	88	400m	80	07	A420b	TO91
40	LM108H03	40	24m	15u	1.0m	400p	3.0n	27	30M	26	10kØ		98		96	5C		TO99
41	AMLM108	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A157	TO99
42	AMLM108D	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A157	MP14ad
43	AMLM108F	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A157	FP18
44	AMLM112	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A244	TO99
45	AMLM112D	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A244	MP14ad
46	AMLM112F	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A244	FP18
47	AMLM208	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A157	TO99
48	AMLM208D	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A157	MP14ad
49	AMLM208F	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A157	FP18
50	AMLM212	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A244	TO99
51	AMLM212D	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A244	MP14ad
52	ICL108LNTY	40	24m	15u	3.0m	400p	3.0n	27		26	10kØ	300k†Ø	87	300m†	85	5c		TO99
53	LM108D	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	5C	A098	MP490
54	LM108DE	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	5C	A098	MP401j
55	LM108F	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	5C	A098	FP37
56▼	LM108FØ	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	15kØ†	94		85	5C	A420	MP319k
57	LM108H	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	5C	A098	CN1d
58	LM108J	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	1.0MØ	98		85	5C	A098	TO116
59▼	LM108N	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	15kØ†	94		85	5C	A420a	MP549a
60♦	LM108T	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	800kØ	94	400m	85	5C	A420b	CN1g
61	LM112D	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	5C	A206	MP490
62	LM112F	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	5C	A206	FP37
63	LM112H	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	5C	A206	CN1d
64	LM208D	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	28	A098	MP490
65♦	LM208DE	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	28	A098	MP401j
66	LM208F	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	28	A098	FP37
67▼	LM208FØ	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	15kØ†	94		85	28	A420	MP319k
68	LM208H	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	28	A098	CN1d
69	LM208J	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A098	TO116
70▼	LM208N	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	15kØ†	94		85	28	A420a	MP549a
71▼	LM208T	40	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ	15kØ†	94		85	28	A420b	CN1g
72	LM212D	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	28	A206	MP490
73	LM212F	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	28	A206	FP37
74	LM212H	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		92		85	28	A206	CN1d
75	MLM108F	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A368	TO91
76	MLM108G	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A368	TO99
77	MLM108L	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A368	MP139a
78	MLM108U	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A368	MP401a
79	MLM208F	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A368	TO91
80	MLM208G	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A368	TO99
81	MLM208L	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A368	MP139a
82	MLM208U	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	28	A368	MP401a
83	PM108J	40	24m	15u	3.0m	400p	3.0n	26	70M	26	10kØ				85	5C	A098	TO99
84	PM208J	40	24m	15u	3.0m	400p	3.0n	26	70M	26	10kØ				85	28	A098	TO99
85	SN52108FA	40	24m	15u	3.0m	400u	3.0n	27	30M	26	10kØ		94		85	5C	A198	FP22
86	SN52108JA	40	24m	15u	3.0m	400u	3.0n	27	30M	26	10kØ		94		85	5C	A198	MP381
87	SN52108JP	40	24m	15u	3.0m	400u	3.0n	27	30M	26	10kØ		94		85	5C	A198	MP383
88	SN52108L	40 ♦	24m	15u	3.0m	400p	3.0n	27	30M	26	10kØ		94		85	5C	A198	TO99
89	SN52660FA	40	30m	25u	5.0m	5.0n	25n	27	4.0M	26	10kØ		88		80	5C	A254	FP2t
90	SN52660JA	40	30m	25u	5.0m	5.0n	25n	27	4.0M	26	10kØ		88		80	5C	A254	MP381
91	SN52660JP	40	30m	25u	5.0m	5.0n	25n	27	4.0M	26	10kØ		88		80	5C	A254	MP383
92	SN52660L	40	30m	25u	5.0m	5.0n	25n	27	4.0m	26	10kØ		88		80	5C	A254	TO99
93	AMLM216	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	28	A244	TO99
94	AMLM216D	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	28	A244	MP14ad
95	AMLM316	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	07	A244	TO99
96	AMLM316D	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	07	A244	MP14ad
97	LM216D	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	28	A208	MP490
98	LM216F	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	07	A208	FP37
99	LM216H	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	07	A208	CN1d
100	LM316D	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	07	A208	MP490
101	LM316F	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	07	A208	FP37
102	LM316H	40 ♦	32m		15m	100p	250p	26	1.0G	26	10kØ		86		80	07	A208	CN1d
103♦	JANM38510/10106AEA*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 Δ		32	10kØ		98		96	5C	A335a	MP580
104♦	JANM38510/10106AEB*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 Δ		32	10kØ		98		96	5C	A335a	MP580
105♦	JANM38510/10106AEC*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 Δ		32	10kØ		98		96	5C	A335a	MP580

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS	
		[1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1♦	JANM38510/10106AFA*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
2♦	JANM38510/10106AFB*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
3♦	JANM38510/10106AFC*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
4♦	JANM38510/10106BEA*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	MP580
5♦	JANM38510/10106BEB*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	MP580
6♦	JANM38510/10106BEC*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	MP580
7♦	JANM38510/10106BFA*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
8♦	JANM38510/10106BFB*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
9♦	JANM38510/10106BFC*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
10♦	JANM38510/10106CEA*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	MP580
11♦	JANM38510/10106CEB*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	MP580
12♦	JANM38510/10106CEC*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	MP580
13♦	JANM38510/10106CFA*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
14♦	JANM38510/10106CFB*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
15♦	JANM38510/10106CFC*	40 ♦	36m	5.0u	1.0m	400p	3.0n	40 △		32	10kØ		98		96	5C	A335a	FP43
16	AMLM101	40 ♦	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A155	TO99
17	AMLM101D	40 ♦	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A155	MP14ad
18	AMLM101F	40 ♦	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A155	FP18
19	AMLM201	40 ♦	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	28	A155	TO99
20	AMLM201D	40 ♦	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	28	A155	MP14ad
21	AMLM201F	40 ♦	60m		6.0m	500n	1.5u	24	300k	24	10kØ		94		70	28	A155	FP18
22	AMLM301	40 ♦	60m		10m	750n	2.0u	24	100k	24	10kØ		86		65	07	A155	TO99
23	LM121H	40	60m	1.0u	1.0m	3.0n	30n	26	4.0M				24		120	5C	B050	CN1d
24	LM221H	40	60m	1.0u	1.0m	3.0n	30n	26	4.0M				24		120	28	B050	CN1d
25	AMLM101A	40 ♦	60m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	5C	A155	TO99
26	AMLM101AD	40 ♦	60m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	5C	A155	MP14ad
27	AMLM101AF	40 ♦	60m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	5C	A155	FP18
28	AMLM201A	40 ♦	60m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	28	A155	TO99
29	AMLM201AD	40 ♦	60m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	28	A155	MP14ad
30	AMLM201AF	40 ♦	60m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	28	A155	FP18
31	SSS741J	40 ♦	85m		3.0m	10n	100n	24	2.0M	24	10kØ		100		80	5C	A315	TO99
32	SSS741Y	40 ♦	85m		3.0m	10n	100n	24	2.0M	24	10kØ		100		80	5C	A315	MP14ak
33	SSS747K*	40 ♦	85m		3.0m	10n	100n	24	2.0M	24	10kØ		100		80	5C	A315a	TO100
34	SSS747M*	40 ♦	85m		3.0m	10n	100n	24		24	10kØ		100		80	5C	A315a	FP6m
35	SSS747Y*	40 ♦	85m		3.0m	10n	100n	24		24	10kØ		100		80	5C	A315a	MP14ak
36	SSS741BJ	40 ♦	85m		4.0m	10n	100n	24	2.0M	24	10kØ		94		80	28	A315	TO99
37	SSS741BY	40 ♦	85m		4.0m	10n	100n	24	2.0M	24	10kØ		94		80	28	A315	MP14ak
38	SSS747BK*	40 ♦	85m		4.0m	10n	100n	24	2.0M	24	10kØ		94		80	28	A315a	TO100
39	SSS747BM*	40 ♦	85m		4.0m	10n	100n	24	2.0M	24	10kØ		94		80	28	A315a	FP6m
40	SSS747BY*	40 ♦	85m		4.0m	10n	100n	24	2.0M	24	10kØ		94		80	28	A315a	MP14ak
41	uA748ADM	40	85m	15u	3.0m	25n	100n	24	2.0M	24	10kØ		94	500m†	80	5C	A337	
42	uA748AFM	40	85m	15u	3.0m	25n	100n	24	2.0M	24	10kØ		94	500m†	80	5C	A337	
43	uA748AHM	40	85m	15u	3.0m	25n	100n	24	2.0M	24	10kØ		94	500m†	80	5C	A337	
44	LM321H	40	88m	1.0u	2.5m	4.0n	28n	26	2.0M				21		114	07	B050	CN1d
45♦	JANM38510/10103ACA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A173a	MP315
46♦	JANM38510/10103ACB	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A173a	MP315
47♦	JANM38510/10103ACC	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A173a	MP315
48♦	JANM38510/10103AGA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A174b	CN1t
49♦	JANM38510/10103AGB	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A174b	CN1t
50♦	JANM38510/10103AGC	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A174b	CN1t
51♦	JANM38510/10103AHA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A172a	FP31
52♦	JANM38510/10103AHB	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A172a	FP31
53♦	JANM38510/10103AHC	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A172a	FP31
54▼	JANM38510/10103APA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A291b	MP694
55▼	JANM38510/10103APB	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A291b	MP694
56▼	JANM38510/10103APC	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A291b	MP694
57♦	JANM38510/10103BCA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A173a	MP315
58♦	JANM38510/10103BCB	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A173a	MP315
59♦	JANM38510/10103BCC	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A173a	MP315
60♦	JANM38510/10103BGA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A174b	CN1t
61♦	JANM38510/10103BGB	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A174b	CN1t
62♦	JANM38510/10103BGC	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A174b	CN1t
63♦	JANM38510/10103BHA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A172a	FP31
64♦	JANM38510/10103BHB	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A172a	FP31
65♦	JANM38510/10103BHC	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A172a	FP31
66▼	JANM38510/10103BPA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A291b	MP694
67▼	JANM38510/10103BPB	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A291b	MP694
68▼	JANM38510/10103BPC	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A291b	MP694
69♦	JANM38510/10103CCA	40 ♦	90m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A173a	MP315

3. OPERATIONAL AMPLIFIERS

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1♦	JANM38510/10103CCB	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A173a	MP315
2♦	JANM38510/10103CCC	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A173a	MP315
3♦	JANM38510/10103CGA	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A174b	CN1k
4♦	JANM38510/10103CGB	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A174b	CN1k
5♦	JANM38510/10103CGC	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A174b	CN1t
6♦	JANM38510/10103CHA	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A174b	FP31
7♦	JANM38510/10103CHB	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A172a	FP31
8♦	JANM38510/10103CHC	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A172a	FP31
9▼	JANM38510/10103CPA	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A291b	MP694
10▼	JANM38510/10103CPB	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A291b	MP694
11▼	JANM38510/10103CPC	40 ♦	90m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A291b	MP694
12	LM121AH	40	100m	200n	650u	1.0n	30n	26	4.0M				24		126	5C	B050	CN1d
13	LM221AH	40	100m	200n	650u	1.0n	30n	26	4.0m				24		126	28	B050	CN1d
14	LM101F	40 ♦	100m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ		93		70	5C	A012	FP37
15	LM101H	40 ♦	100m	6.0ut	6.0m	500n	1.5u	24	300k	24	10kØ		93		70	5C	A012	CN1d
16	LM107D	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		92		80	5C	A235	MP490
17▼	LM107FØ	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	32	10kØ		94		80	5C	A352	MP319k
18♦	LM107N	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	32	10kØ		94		80	5C	A352a	MP549a
19♦	LM107T	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	10	94		80	5C	A174c	CN1g
20	LM207D	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		92		80	28	A235	MP490
21♦	LM207DE	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		92		80	28	A235	MP401j
22	LM207F	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		92		80	28	A235	FP37
23▼	LM207NØ	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	5.0kØt	94		80	28	A352a	MP549a
24▼	LM207T	40 ♦	100m	15u	3.0m	20n	100n	30	1.5M	32	10kØ		94		80	28	A174c	CN1g
25#	SFC2201APT	40	100m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		99	500mt	80	28	A001	TO91
26	ICL741LNDD	40	112m	7.0ut	6.0m	500n	1.5u	24		24	10kØ	1.0MtØ	87	500mt	70	5c		
27	ICL741LNTY	40	112m	7.0ut	6.0m	500n	1.5u	24		24	10kØ	1.0MtØ	87	500mt	70	5c		TO99
28	ICL741LNFB	40	112m	7.0ut	7.5m	500n	1.5u	24		24	10kØ	1.0MtØ	87	500mt	70	5c		
29♦	JANM38510/10101AAA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24d
30♦	JANM38510/10101AAB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24d
31♦	JANM38510/10101AAC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80m	5C	A173	FP24d
32♦	JANM38510/10101ABA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
33♦	JANM38510/10101ABB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
34♦	JANM38510/10101ABC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
35♦	JANM38510/10101ACA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
36♦	JANM38510/10101ACB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
37♦	JANM38510/10101ACC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
38♦	JANM38510/10101ADA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
39♦	JANM38510/10101ADB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
40♦	JANM38510/10101ADC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
41♦	JANM38510/10101AGA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t
42♦	JANM38510/10101AGB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t
43♦	JANM38510/10101AGC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t
44♦	JANM38510/10101AHA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
45♦	JANM38510/10101AHB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
46♦	JANM38510/10101AHC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
47▼	JANM38510/10101APA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
48▼	JANM38510/10101APB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
49▼	JANM38510/10101APC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
50♦	JANM38510/10101BAA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24d
51♦	JANM38510/10101BAB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24d
52♦	JANM38510/10101BAC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24d
53♦	JANM38510/10101BBA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
54♦	JANM38510/10101BBB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
55♦	JANM38510/10101BBC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
56♦	JANM38510/10101BCA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
57♦	JANM38510/10101BCB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
58♦	JANM38510/10101BCC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
59♦	JANM38510/10101BDA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
60♦	JANM38510/10101BDB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
61♦	JANM38510/10101BDC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
62♦	JANM38510/10101BGA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t
63♦	JANM38510/10101BGB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1♦	JANM38510/10101BGC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t
2♦	JANM38510/10101BHA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
3♦	JANM38510/10101BHB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
4♦	JANM38510/10101BHC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
5▼	JANM38510/10101BPA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
6▼	JANM38510/10101BPB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
7▼	JANM38510/10101BPC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
8♦	JANM38510/10101CAA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24d
9♦	JANM38510/10101CAB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24d
10♦	JANM38510/10101CAC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24d
11♦	JANM38510/10101CBA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
12♦	JANM38510/10101CBB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
13♦	JANM38510/10101CBC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP24e
14♦	JANM38510/10101CCA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
15♦	JANM38510/10101CCB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
16♦	JANM38510/10101CCC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	MP315
17♦	JANM38510/10101CDA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
18♦	JANM38510/10101CDB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
19♦	JANM38510/10101CDC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A173	FP25
20♦	JANM38510/10101CGA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t
21♦	JANM38510/10101CGB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t
22♦	JANM38510/10101CGC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A174h	CN1t
23♦	JANM38510/10101CHA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
24♦	JANM38510/10101CHB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
25♦	JANM38510/10101CHC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A172	FP31
26▼	JANM38510/10101CPA	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
27▼	JANM38510/10101CPB	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
28▼	JANM38510/10101CPC	40 ♦	114m	15u	4.0m	70n	265n	40 Δ		32	10kØ		94	300m	80	5C	A291a	MP694
29	LM101AF883	40	120m		3.0m	20n	100n			32	10kØ		94	200m	80	5C		FP2n
30	LM101AH883	40	120m		3.0m	20n	100n			32	10kØ		94	200m	80	5C		TO99
31	LM107F883	40	120m		3.0m	20n	100n			32	10kØ		94	200m	80	5C		FP2n
32	LM107H883	40	120m		3.0m	20n	100n			32	10kØ		94	200m	80	5C		TO99
33	LM101F883	40	120m		5.0m	500n	1.5u			32	10kØ		94	300m	70	5C		FP2n
34	LM101H883	40	120m		5.0m	500n	1.5u			32	10kØ		94	300m	70	5C		TO99
35	SG101J	40 ♦	120m	3.0u†	5.0m§	500n	1.5u	24	300k	24	10kØ	600kØ†	93	500m†	70	5C	A012	TO116
36	SG101T	40 ♦	120m	3.0u†	5.0m§	500n	1.5u	24	300k	24	10kØ	600kØ†	93	500m	70	5C	A012	TO99
37	LM101J14	40 ♦	120m	3.0u†	6.0m	200n	500n	24	300k	24	10kØ		94	10 †	70	5C	A297	MP319b
38	LH0003CH	40 ♦	120m	4.0u†§	3.0m§	200n§	2.0u§	40	100k†	20	100 Ø		87		70	08	A004	CN8
39	LH0003H	40 ♦	120m	4.0u†§	3.0m§	200n§	2.0u§	40	100k†	20	100 Ø		87		70	5C	A004	CN8
40	CA101G	40 ♦	120m	6.0u†	6.0m	200n§	500n§	24	300k	24	10kØ		94		70	5C	A275	MP446
41	CA101S	40 ♦	120m	6.0u†	6.0m	200n§	500n§	24	300k	24	10kØ		94		70	5C	A275	CN46
42	CA101T	40 ♦	120m	6.0u†	6.0m	200n§	500n§	24	300k	24	10kØ		94		70	5C	A275	Δ002AL
43▼	LM101F∅	40 ♦	120m	6.0u†	6.0m	200n§	500n§	24	300k	32	10kØ		94		70	5C	A419a	MP319k
44♦	LM101N	40 ♦	120m	6.0u†	6.0m	200n§	500n§	24	300k	32	10kØ		94		70	5C	A419b	MP549a
45▼	LM101N-14	40 ♦	120m	6.0u†	6.0m	200n§	500n§	24	300k	32	10kØ		94		70	5C	A419a	MP153h
46♦	LM101T	40 ♦	120m	6.0u†	6.0m	200n§	500n§	24	300k	32	10kØ	1.0MØ	94	500m	70	5C	A419c	CN1g
47▼	uA101DM	40 ♦	120m	6.0u†	6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A090	MP486b
48▼	uA101HM	40 ♦	120m	6.0u†	6.0m	500n	1.5u	24	300k	24	10kØ		94		70	5C	A090	CN1d
49	SG201J	40 ♦	120m	6.0u†	7.5m§	750n	2.0u	24	150k	24	10kØ	600kØ†	83	500m†	65	07	A012	TO116
50	SG201M	40 ♦	120m	6.0u†	7.5m§	750n	2.0u	24	150k	24	10kØ	600kØ†	83	500m†	65	07	A012	MP189a
51	SG201N	40 ♦	120m	6.0u†	7.5m§	750n	2.0u	24	150k	24	10kØ	600kØ†	83	500m†	65	07	A012	MP39a
52	SG201T	40 ♦	120m	6.0u†	7.5m§	750n	2.0u	24	150k	24	10kØ	600kØ†	83	500m	65	07	A012	TO99
53	LM201J14	40 ♦	120m	6.0u	10m	750n	2.0u	24	100k	24	10kØ		86	10 †	65	07	A297	MP319b
54	LM201J	40 ♦	120m	6.0u	10m	750n	2.0u	24	100k	24	10kØ		86	10 †	65	07	A297	MP659
55	CA201G	40 ♦	120m	10u†	10m	500n§	1.5u§	24	100k	24	10kØ		86		65	07	A275	MP446
56	CA201S	40 ♦	120m	10u†	10m	500n§	1.5u§	24	100k	24	10kØ		86		65	07	A275	CN46
57	CA201T	40 ♦	120m	10u†	10m	500n§	1.5u§	24	100k	24	10kØ		86		65	07	A275	Δ002AL
58	LM201F	40 ♦	120m	10u†	10m	500n§	1.5u§	24	100k	32	10kØ	1.0MØ†	86		65	07	A419a	MP319k
59	LM201H	40 ♦	120m	10u†	10m	750n	2.0u	24	100k	24	10kØ		86		65	07	A012	CN1d
60▼	LM201N	40 ♦	120m	10u	10m	500n§	1.5u§	24	100k	32	10kØ		86		65	07	A419b	MP549a
61▼	LM201N-14	40 ♦	120m	10u†	10m	500n§	1.5u§	24	100k	32	10kØ	1.0MØ†	86		65	07	A419a	MP153h
62♦	LM201T	40 ♦	120m	10u†	10m	500n§	1.5u	24	100k	32	10kØ		86		65	07	A419c	CN1g
63	SG101AJ	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	20	2.0kØ	600kØ†	87	500m†	80	5C	A012	TO116
64	SG101AT	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	20	2.0kØ	600kØ†	87	500m†	80	5C	A012	TO99
65	SG107J	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	24	10kØ	800kØ†	88	700m†	80	5C	A090	TO116
66	SG107T	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	24	10kØ	800kØ†	88	700m†	80	5C	A090	TO99
67	SG201AJ	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	20	2.0kØ	600kØ†	94	500m†	80	28	A012	TO116
68	SG201AM	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	20	2.0kØ	600kØ†	94	500m†	80	28	A012	MP189a
69	SG201AN	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	20	2.0kØ	600kØ†	94	500m	80	28	A012	MP39a
70	SG207J	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	24	10kØ	800kØ†	88	700m†	80	28	A090	TO116
71	SG207M	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	24	10kØ	800kØ†	88	700m†	80	28	A090	MP189a
72	SG207N	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	24	10kØ	800kØ†	88	700m†	80	28	A090	MP39a
73	SG207T	40 ♦	120m	15u	2.0m§	20n	100n	30	1.5M	24	10kØ	800kØ†	88	700m†	80	28	A090	TO99
74	AMLM107	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	5C	A156	TO99
75	AMLM107D	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	5C	A156	MP14ad
76	AMLM107F	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	5C	A156	FP18
77	AMLM207	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	28	A156	TO99
78	AMLM207D	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	28	A156	MP14ad
79	AMLM207F	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	200m	80	28	A156	FP18
80	CA101AG	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A275	MP446
81	CA101AS	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	10 †	80	5C	A275	CN46
82	CA101AT	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	10 †	80	5C	A275	Δ002AL

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T C E O M D P E	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	MAX VOLTAGE 3 DRFT (V/°C)	MAX VOLTAGE 4 OFST (V)	MAX CURRENT OFFSET (A)	MAX CURRENT BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1	CA107G	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A276	MP446
2	CA107S	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A276	CN46
3	CA107T	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A276	Δ002AL
4	CA201AG	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A275	MP446
5	CA201AS	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	10 †	80	28	A275	CN46
6	CA201AT	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	10 †	80	28	A275	Δ002AL
7	CA207G	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A276	MP446
8	CA207S	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A276	CN46
9	CA207T	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A276	Δ002AL
10	ICL101ALNDD	40	120m	15u	3.0m	20n	100n	27 §		24	10kØ	800k†Ø	87	500m†	80	5c		
11	ICL101ALNFB	40	120m	15u	3.0m	20n	100n	27 §		24	10kØ	800k†Ø	87	500m†	80	5c		
12	ICL101ALNTY	40	120m	15u	3.0m	20n	100n	27 §		24	10kØ	800k†Ø	87	500m†	80	5c		TO99
13	LM101AD	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	5C	A297	MP14r
14	LM101ADE	40	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	100k†	94	200m	80	5C		MP401j
15	LM101AF	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	5C	A297	FP2n
16▼	LM101AF⍁	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	10MØ†	94		80	5C	A419a	MP319k
17	LM101AH03	40	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	100k†	94	200m	80	5C		TO99
18	LM101AH	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	5C	A297	TO99
19	LM101AJ03	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	5C	A297	FP2n
20	LM101AJ14	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	10 †	80	5C	A297	MP319b
21	LM101AJ	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A351	MP139b
22	LM101AJG	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A351a	MP401d
23	LM101AL	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A351b	CN1k
24▼	LM101AN	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ		94		80	5C	A419b	MP549a
25▼	LM101AN-14	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	10MØ†	94		80	5C	A419a	MP153h
26♦	LM101AT	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	100 †	94		80	5C	A419c	CN1g
27	LM101AU	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A351c	Δ004AA
28	LM107DE3	40 ♦	120m	15u	3.0m	20m	100n	30	1.5M	24	10kØ		94		80	5C	A235	FP37
29	LM107DE	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A235	MP401j
30	LM107F	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A235	FP37
31	LM107H03	40	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ		94	200m	80	5C		TO99
32	LM107H	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		92		80	5C	A235	CN1d
33	LM107J03	40	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ		94	200m	80	5C		TO116
34	LM107J14	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A235	MP319b
35	LM107J	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A235	FP37
36	LM107JG	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A352a	MP401d
37	LM107U	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A352b	Δ004AA
38	LM201AD	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	28	A297	MP490
39♦	LM201ADE	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	28		MP401j
40	LM201AF	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	28		FP37
41▼	LM201AF⍁	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	10MØ†	94		80	28	A419a	MP319k
42	LM201AH	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ	100 †	94		80	28	A297	CN1d
43	LM201AJ14	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94	10 †	80	07	A297	MP319b
44	LM201AJ	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A297	MP486
45▼	LM201AN⍁	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	10MØ†	94		80	28	A419b	MP549a
46▼	LM201AN-14	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	10MØ†	94		80	28	A419a	MP153h
47▼	LM201AT	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	32	10kØ	10MØ†	94		80	28	A419c	CN1g
48	LM207H	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		92		80	28	A235	CN1d
49	LM207J14	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A235	MP319b
50	LM207J	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		92		80	28	A235	TO116
51	LM207J⍁	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A235	MP659
52	LM207JG	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A352a	MP401d
53	LM207N	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A352	MP598
54	LM207P	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A352a	MP267d
55	LM207U	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A352b	Δ004AA
56	MLM101AG	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A171	CN1k
57	MLM107G	40	120m	15u	3.0m	20n	100n	30	1.5M	24	3.0		94		80	5C	A175	TO99
58	MLM201AG	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A171	CN1k
59	MLM201AP1	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A171	MP404
60	MLM207G	40	120m	15u	3.0m	20n	100n	30	1.5M	24	3.0		94		80	28	A175	TO99
61#	SFC2101A	40	120m	15u	3.0m	20n	100n	30	1.5M	24		2.0MØ	99	500m†	80	5C		TO99
62#	SFC2101APM	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		99	500m†	80	5C	A012	TO91
63#	SFC2107M	40	120m	15u	3.0m	20n	100n		1.5M	24				500m†	80	5C		TO99
64#	SFC2107PM	40	120m	15u	3.0m	20n	100n		1.5M	24				500m†	80	5C		TO91
65	SN52101AJ	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A150	MP139
66	SN52101AJA	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A150	MP381
67	SN52101AJP	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A150	MP383
68	SN52101AL	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A150	TO99
69	SN52107FA	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A151	FP22
70	SN52107JA	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A151	MP381
71	SN52107JP	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A151	MP383
72	SN52107L	40	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		93		80	5C	A151	TO99
73▼	uA101ADM	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A090	MP486b
74▼	uA101AFM	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A090	FP2w
75▼	uA101AHM	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A090	CN1d
76	uA107HM	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A342	CN1d
77▼	uA201ADM	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A090	MP486b
78▼	uA201AFM	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A090	FP2w
79▼	uA201AHM	40 ♦	120m	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A090	CN1d
80	SG201AT	40 ♦	120m	20u	2.0m§	30n	300n	30	500k	20	2.0kØ	600kØ†	87		70	28	A012	TO99
81#	SFC2201A	40	120m	20u	6.0m	30n	300n	30	500k	24		2.0MØ	99	500m†	70	28		TO99
82#	SFC2207	40	120m	20u	6.0m	30n	300n		500k	24				500m†	70	28		TO99
83#	SFC2207PT	40	120m	20u	6.0m	30n	300n		500k	24				500m†	70	28		TO91
84	NH0003-883	40 ♦	120m	4.0m†§	3.0m§	200n§	2.0u§		100k†	20		1.0MØ	86	70	70	5C	A004	
85	LM321AH	40	140m	200n	650u	1.0n	25n	26	2.0M				21		126	07	B050	CN1d
86	LM741EH	40	150m	15u	4.0m	70n	210n		1.0M	36	10kØ		94	300m	80	07	A236	CN1d
87	LM741EJ14	40	150m	15u	4.0m	70n	210n		1.0M	36	10kØ		94	300m	80	07	A236	MP319b
88	LM741EN	40	150m	15u	4.0m	70n	210n		1.0M	36	10kØ		94	300m	80	07	A236	MP491
89	LM747AD*	40	150m	15u	4.0m	70n	210n	24	1.0M	32	10kØ		94	300m	80	5C	A042u	MP493b
90	LM747AH*	40	150m	15u	4.0m	70n	210n	24	1.0M	32	10kØ		94	300m	80	5C	A042t	CN17j
91	LM747AJ*	40	150m	15u	4.0m	70n	210n	24	1.0M	32	10kØ		94	300m	80	5C	A042u	MP319b
92	LM747ED*	40	150m	15u	4.0m	70n	210n	36 †	1.0M	36	10kØ		94	300m	80	07	A042u	MP493b
93	LM747EH*	40	150m	15u	4.0m	70n	210n	36 †	1.0M	36	10kØ		94	300m	80	07	A042t	CN17j
94	LM747EJ*	40	150m	15u	4.0m	70n	210n	36 †	1.0M	36	10kØ		94	300m	80	07	A042u	MP319b
95	uA747ADM	40 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	437k	94	300m	80	5C	A241a	MP14x
96	uA747AHM	40 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	437k	94	300m	80	5C	A241a	TO100
97	uA747EDC	40 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	450k	94	300m	80	07	A241a	MP14x
98	uA747EHC	40 ♦	150m	15u§	4.0m	70n	210n	30 Δ	1.0M	32	10kØ	450k	94	300m	80	07	A241a	TO100
99	LH740AH	40	160m	5.0u†	20m	500p		24	1.0T†	24	10kØ	1.0MØ†	94	6.0	80	5C	A174	CN1d
100	LH740ACH	40	160m	5.0u†	30m†	500p		24	1.0T†	24	10kØ	1.0MØ†	94	6.0	80	08	A174	CN1d
101	LM741AH	40	165m	15u	4.0m	70n	210n	30 Δ	1.0M	36	10kØ		94	300m	80	5C	A236	CN1d
102	LM741AJ14	40	165m	15u	4.0m	70n	210n	30 Δ	1.0M	36	10kØ		94	300m	80	5C	A236	MP319b
103♦	JANM38510/10105AEA*	40 ♦	180m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A335	MP580
104♦	JANM38510/10105AEB*	40 ♦	180m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A335	MP580
105♦	JANM38510/10105AEC*	40 ♦	180m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A335	MP580
106♦	JANM38510/10105AFA*	40 ♦	180m	15u	3.0m	20n	100n	40 Δ		32	10kØ		94	300m	80	5C	A335	FP43

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1♦	JANM38510/10105AFB*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	FP43
2♦	JANM38510/10105AFC*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	FP43
3♦	JANM38510/10105BEA*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	MP580
4♦	JANM38510/10105BEB*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	MP580
5♦	JANM38510/10105BEC*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	MP580
6♦	JANM38510/10105BFA*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	FP43
7♦	JANM38510/10105BFB*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	FP43
8♦	JANM38510/10105BFC*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	FP43
9♦	JANM38510/10105CEA*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	MP580
10♦	JANM38510/10105CEB*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		94	300m	80	5C	A335	MP580
11♦	JANM38510/10105CEC*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		100	300m	90	5C	A335	MP580
12♦	JANM38510/10105CFA*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		100	300m	90	5C	A335	FP43
13♦	JANM38510/10105CFB*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		100	300m	90	5C	A335	FP43
14♦	JANM38510/10105CFC*	40 ♦	180m	15u	3.0m	20n	100n	40 △		32	10kØ		100	300m	90	5C	A335	FP43
15	3522K	40	200m	25u	500u	1.0p†	5.0p	30	100G†	20	10	1.0M†	100	600m	90	07		TO99
16	3522L	40	200m	25u	500u	500f†	1.0p	30	100G†	20	10	1.0M†	100	600m	90	07		TO99
17	3522S	40	200m	25u	500u	1.0p†	5.0p	30	100G†	20	10	1.0M†	100	600m	90	5C		TO99
18	3522J	40	200m	50u	1.0m	2.0p†	10p	30	100G†	20	10	1.0M†	94	500m	90	07		TO99
19	3542J	40	200m	50u	20m	2.0p†	25p	30	100G†	20	20	1.0M†	88	500m	80	07		TO99
20	3542S	40	200m	50u	20m	2.0p†	25p	30	100G†	20	20	1.0M†	88	500m	80	5C		TO99
21	SU536T	40	220m	20u†	50m	5.0p†	1.0n	20	10T†	20	2.0kØ	1.0MØ	93	6.0 †	70	28		CN1g
22♦	JANM38510/10102AAA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
23♦	JANM38510/10102AAB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
24♦	JANM38510/10102AAC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
25♦	JANM38510/10102ABA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
26♦	JANM38510/10102ABB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
27♦	JANM38510/10102ABC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
28♦	JANM38510/10102ACA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315
29♦	JANM38510/10102ACB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315
30♦	JANM38510/10102ACC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315
31♦	JANM38510/10102ADA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
32♦	JANM38510/10102ADB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
33♦	JANM38510/10102ADC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
34♦	JANM38510/10102AIA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
35♦	JANM38510/10102AIB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
36♦	JANM38510/10102AIC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
37♦	JANM38510/10102BAA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
38♦	JANM38510/10102BAB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
39♦	JANM38510/10102BAC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
40♦	JANM38510/10102BBA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
41♦	JANM38510/10102BBB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
42♦	JANM38510/10102BBC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
43♦	JANM38510/10102BCA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315
44♦	JANM38510/10102BCB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315
45♦	JANM38510/10102BCC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315
46♦	JANM38510/10102BDA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
47♦	JANM38510/10102BDB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
48♦	JANM38510/10102BDC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
49♦	JANM38510/10102BIA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
50♦	JANM38510/10102BIB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
51♦	JANM38510/10102BIC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
52♦	JANM38510/10102CAA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
53♦	JANM38510/10102CAB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
54♦	JANM38510/10102CAC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24d
55♦	JANM38510/10102CBA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
56♦	JANM38510/10102CBB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
57♦	JANM38510/10102CBC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP24e
58♦	JANM38510/10102CCA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1♦	JANM38510/10102CCB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315
2♦	JANM38510/10102CCC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	MP315
3♦	JANM38510/10102CDA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
4♦	JANM38510/10102CDB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
5♦	JANM38510/10102CDC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	FP25
6♦	JANM38510/10102CIA*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
7♦	JANM38510/10102CIB*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
8♦	JANM38510/10102CIC*	40 ♦	228m	15u	4.0m	70n	265n	40 △		32	10kØ		94	300m	80	5C	A192	CN10e
9♦	JANM38510/10107ACA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
10♦	JANM38510/10107ACB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
11♦	JANM38510/10107ACC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
12♦	JANM38510/10107AGA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
13♦	JANM38510/10107AGB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
14♦	JANM38510/10107AGC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
15♦	JANM38510/10107AHA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	FP31
16♦	JANM38510/10107AHB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	FP31
17♦	JANM38510/10107AHC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	FP31
18▼	JANM38510/10107APA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	MP694
19▼	JANM38510/10107APB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	MP694
20▼	JANM38510/10107APC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	MP694
21♦	JANM38510/10107BCA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
22♦	JANM38510/10107BCB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
23♦	JANM38510/10107BCC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
24♦	JANM38510/10107BGA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
25♦	JANM38510/10107BGB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
26♦	JANM38510/10107BGC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
27♦	JANM38510/10107BHA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	FP31
28♦	JANM38510/10107BHB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	FP31
29♦	JANM38510/10107BHC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	FP31
30▼	JANM38510/10107BPA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	M694
31▼	JANM38510/10107BPB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	M694
32▼	JANM38510/10107BPC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	M694
33♦	JANM38510/10107CCA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
34♦	JANM38510/10107CCB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
35♦	JANM38510/10107CCC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	MP315
36♦	JANM38510/10107CGA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
37♦	JANM38510/10107CGB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
38♦	JANM38510/10107CGC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	CN1t
39♦	JANM38510/10107CHA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	FP31
40♦	JANM38510/10107CHB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A336	FP31
41♦	JANM38510/10107CHC	40 ♦	240m	25u	6.0m	80n	400n	40 △		32	10kØ		94	50	80	5C	A336	FP31
42▼	JANM38510/10107CPA	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	MP694
43▼	JANM38510/10107CPB	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	MP694
44▼	JANM38510/10107CPC	40 ♦	240m	25u	6.0m	80n	400n	40 △		34	10kØ		94	50	80	5C	A291d	MP694
45	AMLM118	40 ♦	320m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	92	50	80	5C	A245	TO99
46	AMLM118D	40 ♦	320m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	92	50	80	5C	A245	MP14ad
47	AMLM118F	40 ♦	320m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	92	50	80	5C	A245	FP18
48	AMLM218	40 ♦	320m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	92	50	80	28	A245	TO99
49	AMLM218D	40 ♦	320m		6.0m	100n	500n	23	1.0M	24	2.0kØ	15M†	92	50	80	28	A245	MP14ad
50	AMLM318	40 ♦	400m		15m	300n	750n	23	500k	24	2.0kØ	15M†	86	50	70	07	A245	TO99
51	AMLM318D	40 ♦	400m		15m	300n	750n	23	500k	24	2.0kØ	15M†	86	50	70	07	A245	MP14ad
52	LH101D§	40	500m	6.0u†	6.0m	500n⍁	1.5u⍁	24	300k	24	10m		93		70	5C	A001	TO116
53	LH101F§	40	500m⍁	6.0u†	6.0m	500n⍁	1.5u⍁	24	300k	24	10kØ		93		70	5C	A001	FP37
54	LH101H§	40	500m⍁	6.0u†	6.0m	500n⍁	1.5u⍁	24	300k	24	10kØ		93		70	5C	A001	CN1d
55	LH201D§	40	500m	10u†	10m	750n⍁	2.0u⍁	24	150k	24	10m		86		65	07	A001	TO116
56	LH201F§	40	500m⍁	10u†	10m	750n⍁	2.0u⍁	24	150k	24	10kØ		86		65	07	A001	FP37
57	LH201H§	40	500m⍁	10u†	10m	750n⍁	2.0u⍁	24	150k	24	10kØ		86		65	07	A001	CN1d
58	LH2101AF⍁*	40	500m⍁	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A220	MP548
59	LH2201AF⍁*	40	500m⍁	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A220	MP548
60	LM107L	40	500m⍁	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	5C	A235	MP139
61	LM207L	40	500m⍁	15u	3.0m	20n	100n	30	1.5M	24	10kØ		94		80	28	A235	MP139
62	NH0020-883	44			4.0m	100n	500n	24	1.0M	28	50m	1.0M	100		96	5C		TO8
63#	TBA222G	44		3.0u	4.0m	100n	350n	26	2.0M	28	10kØ		88	500m	70	28	A042	
64#	TBA222GG	44		3.0u	4.0m	100n	350n	26	2.0M	28	10kØ		88	500m	70	28	A042	
65	LH740A	44		5.0u	20m	560p	4.0n	24	1.0G	24	2.4m	1.0M	84	6.0	80	5C		TO99
66	NH0022-883	44		10u	5.0m	500p	5.0n	24		24	2.6m	1.0M	100	3.0	90	5C		TO99

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				INPUT CHARACTERISTICS MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				T E M P	C O D E	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	MAX VOLTAGE 3 DRFT (V/°C)	MAX VOLTAGE 4 OFST (V)	MAX CURRENT OFFSET (A)	MAX CURRENT BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-	+	CKT.	OUT-LINE Δ=MO
1	CA3094BS	44	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0k†	86	500 †	70	5	C	A207	CN46
2	CA3094BT	44	12m		7.0m	300n	700n	27	500k	27 †	2.0kØ	4.0k†	86	500 †	70	5	C	A207	Δ002AL
3#	L141D2	44	85m		5.0m	200n	500n	24		20	2.0kØ	1.0M	94	500m	70	5	C	A042k	MP319a
4#	L141T2	44	85m		5.0m	500n	1.5u	24	300k	20	2.0kØ	1.0M	94	500m	70	5	C	A042k	TO99
5	2358	44	150m	25u	1.0m§		5.0p§	14	1.0T	20	10m	70k⧄	100	4.0	65	5	C		CN2f
6	2359	44	150m	25u	1.0m§		5.0p§	14	1.0T	20	10m	70k⧄	100	4.0	65	5	C		CN2f
7	IC900A	44	220m		5.0m	200n	500n	26	1.0M†	24	10kØ	14k†⧄	94	800m	90	5	C	A376	CH20
8	AD504SH	44	500m	1.0u	1.5m	10n	100n	20	2.0M	24	10m	150k	120	80m	120	5	C		TO99
9	AD503LH	44	500m	25u	1.0m	200p	400p	20	100G	24	10m	1.0M	90	4.0	70	0	7		TO99
10	AD511B	44	500m	25u	2.5m	350p	650p	20	100G	20	10m	1.0M	88	4.0	70	2	8		
11	AD511C	44	500m	25u	2.5m	350p	350p	20	100G	20	10m	1.0M	88	4.0	70	2	8		
12	ADP511B	44	500m	25u	2.5m	350p	650p	20	100G	20	10m	1.0M	88	4.0	70	2	8		
13	ADP511C	44	500m	25u	2.5m	350p	350p	20	100G	20	10m	1.0M	88	4.0	70	2	8		
14	AD511A	44	500m	75u	6.5m	1.6n	1.6n	20	100G	20	10m	1.0M	88	4.0	70	2	8		
15	ADP511A	44	500m	75u	6.5m	1.6n	1.6n	20	100G	20	10m	1.0M	88	4.0	70	2	8		
16	163K	48	96m	5.0u	Δ	3.0n	35n	40	1.0M	40	20m	1.5MØ	114	6.0	86	1	6		MP199b
17	163A	48	96m	20u	Δ	3.0n§	35n§	40	1.0M	40	20m	1.5MØ	114	6.0	86	2	8		MP199b
18	165K	48	192m	5.0u	Δ	3.0n	35n	40	1.0M	40	5.0m	1.5MØ	108	6.0	86	1	6		MP5bn
19	165A	48	192m	20u	Δ	3.0n	35n	40	1.0M	40	10m	1.5MØ	108	6.0	86	2	8		MP5bn
20	ZEL1E	48	240m†	20u	Δ		50n§	36	1.0M†	40	8.0m	1.5M†Ø	113	6.0	86	2	8		MP6g
21	ZEL1EC	48	240m†	20u	Δ		5.0n§	36	1.0M†	40	40m	1.0M†Ø	113	6.0	86	2	8		MP8c
22	4009#2	48	240m	500u†	100m†		200n†	40 †	20k†	16 †	2.0kØ	30MØ†	56 †	10 †	80 †	5	C	A040	CN14
23	D23	48	336m	10u	1.0m	100p		10	100G†	40	4.0m	2.5MØ	88	2.0	80 †	5	A		MP5g
24	1741	48	480m	20u	Δ	10p§	20p§	40 †	1.0T	40	40m	12M†§	106 †	60 †	80 †	2	8	A136	MP199g
25	1740	48	480m	40u	Δ	10p§	50p§	40 †	1.0T	40	40m	12M†§	106 †	60 †	80 †	2	8	A136	MP199g
26	MA20	48	650m†	2.0m†	630m†		25u		1.6k†	18	200m	5.0M	72 †	250 †				A085	MP42c
27	D30B	48	720m†	10u	.50m	25n		30	500k	37	120m	1.0MØ	84	1.8	70 †	5	8		MP2
28	MA32	48	800m†	20u	10m	1.5u	15u	20	2.6k†	18	200m	5.0M	69 †	160 †				A086	MP42c
29	MA30	48	800m†	300u	50m	5.0u	15u	20	2.6k†	18	200m	5.0M	69 †	160 †				A086	MP42c
30	420⧄	48	1.0	20u	20m	1.0u	200n	40	100k	40	1.0	20k	75	5.0	80	0	8		OCT
31	D31	48	1.4 †	25u	5.0m	.50u		10	500k	35	300m	750kØ	86	1.8	70 †	5	8		MP5g
32	D34	48	1.4	50u	5.0m	.75u		10	100k	35	500m	1.0MØ	86	.50	90 †	5	A		MP26
33	D42	48	4.8 †	30u§	5.0m§	100n§	300n§	36	500k	36	1.0	800kØ	86	250m	90 †	5	8		MP333
34	NH0033	50		25u	15m		1.0n		10G	24	24m	100M	0.0	1.5k		5	C		TO8
35	NH0033-883	50		25u	15m		1.0n		10G	24	24m	100M	0.0	1.5k		5	C		TO8
36	NH0033C	50		25u	25m		1.5n		10G	24	24m	100M	0.0	1.4k		0	7		TO8
37	1757§	50	1.2m†	20u	Δ	150n†	250n	16 †	200k†	40	400m	5.0MØ	94	2.5	80	2	8		MP5g
38	920§	50	400m	500u†	100m†		200n†	40 †	20k†			2.0MØ†	56 †		80 †	2	8	A039	OCT
39	1682	50	500m†	30u	Δ	100p†	100p	30 †	10G†	40	20m	10MØ	97	20	74	5	8		MP5y
40	425#2	50	750m	20u†	20m†		500n†	40 †	20k†	14 †	50 Ø	2.0MØ†	86 †	5.0 †	80 †	2	8	A039	OCT
41	435#2	50	750m	20u†	20m†		500n†	40 †	20k†	24 †	50 Ø	2.0MØ†	86 †	5.0 †	80 †	2	8		CN⧄
42	416#2	50	1.0	500u†	100m†		200n†	40 †	20k†	36 †	8.0 Ø	2.0MØ†	56 †	5.0 †	80 †	2	8		OCT
43	440KR#2	50	1.0	500u	100m		200n	40		44	4.0 Ø	25k	650	5.0	80	5	8	A135	MP190
44	1791	50	1.2 †						10M†	32	2.0	5.0MØ†	385m	1.5 †		0	4		MP5y
45	1034-01	52	208m*	5.0u	10m†Δ	3.0n†	50n§	40	1.0M†	40	44m	1.0MØ	100	6.0	86	2	8		MP5bv
46♦	1034	52	208m	15u	10m†Δ	3.0n†	50n§	40	1.0M†	40	44m	1.0MØ	100	6.0	80	2	8		MP172a
47	1005	52	364m	20u	Δ		25n	40	250k	40	10	1.5MØ†	89	1.2	80	2	8		MP5c
48	D20B	52	416m†	10u	.50m	15n		30	500k	40	40m	1.0MØ	100	1.8	70 †	5	8		MP2
49	MCC1536	56	224m		5.0m§	3.0n§	20n§	50	10M†	44	5.0kØ			2.0 †	110 †	5	C	A118	CH3
50	LM144H	56	224m		6.0m	7.0n	35n	24		22	5.0kØ	120k⧄	100	2.5 †	80	5	C	A384	CN1d
51	MC1536G	56	224m		7.0m	7.0n	35n	48	10M†	44	5.0kØ	1.0M†Ø	100	2.0 †	80	5	F	A118	TO99
52	SG1536T	56	224m		7.0m	3.0n§	20n§	48	10m†	44	5.0 Ø	1.8MØ†	100	3.0 †	80	5	C	A118	TO99
53	LM344H	56	280m		10m	14n	55n	22		20	5.0kØ	120k⧄	97	2.5 †	70	0	7	A384	CN1d
54	MCC1436	56	280m		10m§	10n§	40n§	50	10M†	40	5.0kØ			2.0 †	110 †	5	C	A118	CH3
55	MC1436CG	56	280m		12m§	25n	90n§	36	10M†	40	5.0kØ	1.0M†Ø	94	2.0 †	50	0	7	A118	TO99
56	SG1436CT	56	280m		12m§	25n§	90n§	36	10m†	40	5.0 Ø	1.8MØ†	94	3.0 †	50	0	7	A118	TO99
57	MC1436G	56	280m		14m	14n	55n	44	10M†	40	5.0kØ	1.0M†Ø	96	2.0 †	70	0	7	A118	TO99
58	SG1436M	56	280m		14m	14n	55n	44	10M†	40	5.0kØ	1.8MØ†	96	3.0 †	70	0	7	A118	MP189a
59	SG1436T	56	280m		14m	14n	55n	44	10M†	40	5.0kØ	1.8MØ†	96	3.0 †	70	0	7	A118	TO99
60	D26	56	280m†	20u	Δ	20n		36	300k	40	10m	1.0MØ	98	600m	80	5	8		MP5g
61	LM143H	56	320m		6.0m	7.0n	35n	24		22	5.0kØ	20k†⧄	100	2.5 †	80	5	C	A331	CN1d
62	LM343H	56	340m		10m	14n	55n	22		20	5.0kØ	20k†⧄	96	2.5 †	70	0	7	A331	CN1d
63	D35	56	2.0	65u	5.0m		50n	37	500k	37	500m	800kØ	86	1.0	90 †	5	A		MP7a
64	1788	60	480m	20u		5.0n	50n	40	1.0M	40	40m	1.0M	108	1.2	80	4	8		MP396
65	1801	60 §	600m	20u	Δ	10p§	30p§	100 †	1.0T	200	40m	10M†§	120 †	100 †	100 †	2	8	A344	MP448
66	1811	60 §	600m	20u	Δ	10p§	30p§	270 †	1.0T	280	40m	10M†§	120 †	250 †	100 †	2	8	A344	MP448
67	1800	60 §	600m	50u	Δ	10p§	30p§	100 †	1.0T	200	40m	10M†§	120 †	100 †	100 †	2	8	A344	MP448
68	1810	60 §	600m	50u	Δ	10p§	30p§	270 †	1.0T	280	40m	10M†§	120 †	250 †	100 †	2	8	A344	MP448
69	415	60	720m	.50u†	100m†		.20u†	48	20k†	50 †	25mØ	2.0M†Ø	57 †	5.0 †	80 †	2	8	A039	OCT
70	2043	60	1.5	20u	5.0m	1.0u	5.0u	10	100k	50	60m	5.0M	88	100	60	0	7		MP395
71#	SI1050GS	66	2.3	200u	60m	2.0u	10u	56	2.0k	60	3.3	100k	70	100m	50	2	8	A251	MP329
72	3580J	70	700m	30u	10m§	20p§†	50p§	70	100G	60	120m	5.0M	86	15 †	86 †	0	6	A287	TO3
73	3571AM	70	1.7	40u	2.0m§	50p§	100p§	70	100G	60	2.0	500kØ	94	3.0	80	2	8	A314	CN22e
74	3572AM	70	1.7	40u	2.0m§	50p§	100p§	70	100G	60	4.0	500kØ	94	3.0	80	2	8	A314	CN22e
75	4009#3	72	576m	500u†	100m†		200n†	60 †	20k†	20 †	2.0kØ	30MØ†	58 †	10 †	80 †	5	7	A040	CN14
76	432§	72	2.0	500u	100m	1.0u	.20u	60	500k	60	5.0	50k	54	5.0	80	2	8		OCT
77	416#3	72	2.1	500u†	100m†		200n†	60 †	20k†	60 †	16 Ø	2.0MØ†	58 †	5.0 †	80 †	2	8		OCT
78	440KR#3	72	2.1	500u	100m		200n	60		60	8.0 Ø	25k	800	5.0	80	5	8	A135	MP190
79	NH0004-883	80	8.0m	4.0u†	200	100n	300n	70	500k	70	5.0kØ	5.0MØ	100	250n	70	5	C	A004	
80	LH0004H	80	10m	4.0u†	2.0m	100n	300n	80		60	2.0kØ		88		70	5	C	A004	CN8
81	LH0004CH	80	10m	4.0u†	3.0m	150n	300n	80		60	2.0kØ		88		70	0	8	A004	CN8
82	2344	80	240m	25u§	2.0m§	10p§	10p§	60	100k	60	14m	20k	102	12	96	2	8	A312	MP508d
83	HA2-2640	80	304m	15u†	6.0m	35n	50n	70	50M	70	24m	4.0M†Ø	100	5.0 †	80	5	C	A280	TO99
84	AM464-2	80	360m	15u	6.0m§	50n	30n§	70	200M	70	20m	4.0MØ	100	5.0	74	0	7		TO99
85	HA2-2645	80	360m	15u†	7.0m	50n	50n	70	40M	70	20m	4.0M†Ø	100	5.0 †	74	0	7	A280	TO99
86	1332	80	360m	20u§	6.0m§	30n§	30n§	70	200M	70	20m	4.0M†Ø	100	5.0 †	74	0	7	A039a	TO99
87	A161	80	2.0	50u	Δ		20p§	60 †	100G	70 †	300m	1.0MØ†	94	15	80	2	8	A044	MP5bs
88	9736	100	800m	20u	10m	15p	50p	80	100G	90	20m	10M	90	30	110	5	A		MP268
89	1727	120	1.0 †	50u	Δ	30p†	100p	40 †	10G†	100	40m	10MØ	100	20	74	5	8		MP36
90	A160	120	1.2	25u⧄	1.0m§Δ		10p§	100	100G	100	10m	3.0MØ†	106	15	90	2	8	A097	MP5ab
91	9697	120	1.6	400u	20m	1.0u	5.0u	100	5.0k	100	40m	100M§	76	100	26	2	7		MP209
92	3581J	150	1.2	25u	3.0m§	20p§†	20p§	150	100G	140	60m	5.0M	94	20 †	110 †	0	6	A288	TO3
93	9699	160	2.4	50u	20m	30n	100n	150	10M	150	20m	100M§	80	100	40	5	7		MP210
94	1957	240	1.2		2.0m		4.0n	40	10G	200	20m	20k	100	12	60	0	6		MP207
95	1022	240	2.4	50u	2.0m§		30p§	210	1.0T	220	40m	1.0MØ	120	30	94	2	8		MP448a
96	1032	240	2.4	50u	5.0m§		10p§	210	1.0T	220	20m	1.0MØ	100	6.0	94	2	8		MP448a
97	1037	240	2.8	50u	2.0m§		30p§	210	1.0T†	220	20m	1.0MØ†	120	12	90	2	8		MP448a
98	1037-20	240	2.8	50u	2.0m§		30p§	210	1.0T†	220	20m	1.0MØ†	120	12	90	2	8		MP448a
99	3271/25$	240	4.8	1.0u	110u		200p		500k†	100	40m	1.0MØ	140	20		2	8		MP290b
100	136K2	250	2.0	50u	500u	100p		240	100G†	200	20m	1.0MØ	100	20	100	0	7		MP53
101	1527	250	3.0 †	30u	Δ	30n†	200n	20 †	250k†	200	20m	1.0MØ	100	10	80	2	8		MP36
102	1957-2	270	2.3	30u	1.0m	25p	50p	240	100G	210	20m	1.0M	106	12	84	4	8		MP207
103	AM303B	300	1.8	20u†	1.0m†	30p†	100p†	280	1.0T†	280	20m	10M§	120	100	100	0	7		
104	AM303A	300	1.8	50u†	1.0m†	30p†	100p†	280	1.0T†	280	20m	10M§	120	100	100	0	7		
105	3582J	300	1.9	25u	3.0m§	20p§†	20p§	300	100G	290	30m	5.0M	100	20 †	110 †	0	6	A288	TO3
106▼	3584JM	300	2.0	25u	3.0m§	20p†§	20p§	130	100G†$	290	30m	135k†⧄	100	150 †	110 †	5	C	A411	CN22e
107	3583AM	300 ♦	2.5	23u	3.0m§	20p†§	20p§	300 Δ	1.0T†	80	150m	5.0MØ†	94	30 †	110 †	2	8	A288	CN22e
108	3583JM	300 ♦	2.5	23u	3.0m§	20p†§	20p§	300 Δ	1.0T†	80	150m	5.0MØ†	94	30 †	110 †	0	6	A288	CN22e
109	A301	300	3.0	25u⧄	3.0m§Δ		10p§	230	100G†	230	10m	1.0MØ	100	10	96 †	2	8	A132	MP5bg
110	A303	300	3.0	25u	3.0mΔ§		10p§	230	100G†	230	40m	1.0MØ†	100	10	96 †	2	8	A044	MP5bs

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

3. OPERATIONAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				INPUT CHARACTERISTICS MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				TEMP	CODE	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	MAX VOLTAGE 3 DRFT (V/°C)	MAX VOLTAGE 4 OFST (V)	MAX CURRENT OFFSET (A)	MAX CURRENT BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+		CKT.	OUT-LINE Δ=MO
1	A300	300	3.0	50u◪	3.0m§Δ		10p§	230	100G†	230	10m	1.0MØ	100	10	96 †	28		A132	MP5bg
2	A302	300	3.0	50u	3.0mΔ§		10p§	230	100G†	230	40m	1.0MØ†	100	10	96 †	28		A044	MP5bs
3	D41	300	9.6	20u	5.0m	500n		38	150k	250	500m	500kØ	100			58			MP117

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. DIFFERENTIAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS		INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE				INPUT CHARACTERISTICS MIN.-@25°C		MIN. OUTPUT CHAR.@25°C		MIN TRANSFER CHAR @ 25°C				TEMP CODE	DRAWINGS	
		1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	MAX VOLTAGE 3 DRFT (V/°C)	MAX VOLTAGE 4 OFST (V)	MAX CURRENT OFFSET (A)	MAX CURRENT BIAS (A)	CM RANGE (ΔV)	DIFF IMP. (Ω)	P-P VOLT. (ΔV)	P-P CUR. (ΔA)	3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	-+	CKT.	OUT-LINE Δ=MO
1	MCC100	3.2 §	64m		50m		2.0u	5.0		3.1	100m					27	B070	FP47
2	MCC137	5.0 §	50m		50m		1.0u	5.0		2.2	2.0m					27	B071	
3	MC3330P	6.0	1.2 ⌀		10m							500M§†			35	07	B064	MP404
4▼	NE515F	9.0 §	21m		4.0m		40u	2.5 †	1.4k	5.3		1.0M	68		100	07	B016a	MP153h
5▼	NE515N	9.0 §	21m		4.0m		40u	2.5 †	1.4k	5.3		1.0M	68		100	07	B016a	MP319k
6	NE515A	9.0 §	21m	5.0u	4.0m		40u	2.0	1.4k	5.3		1.0M	68		100	07	B016	TO116
7♦	NE515K	9.0 §	21m	5.0u	4.0m		40u	2.5 †	1.4k	5.3		1.0M	68		100	07	B016	TO100
8	SE515A	9.0 §	21m	5.0u	4.0m		40u	3.0	1.4k	5.3		1.0M	68		100	07	B016	TO116
9	SE515K	9.0 §	63m	5.0u	3.0m		40u	2.5	1.0k	5.7		1.0M	71		100	5C	B016	TO100
10	CA3050§	10 ♦§			5.0m§	70n§	500n§		460k†			4.3M†			65 †	5C	B038	MP3
11	CA3051§	10 §♦			5.0m§	70n§	500n§		460k†			4.3M†			65 †	28	B038	TO116
12#	AN606	10	130m		1.5m§†	10u	36u§		50k†	4.0		16M†	19 †		70	16	B023	CN18
13	CA3049T§	12 §♦		1.1u†§	250u†§	300n†§	33u§	5.0	3.5k†	12		500M§†	22 †		100 †	5C	B048	Δ006AG
14	CA3102E§	12 §♦		1.1u†§	5.0m§	3.0u§	33u§	5.0	3.5k†	12		500m§†	18		100 †	5C	B049	Δ001AB
15	CA3102H§	12 §♦		1.1u†§	5.0m§	3.0u§	33u§	5.0	3.5k†	12		500M§†	18		100 †	5C	B049	CH⌀
16	CA3006§	12	26m†		1.0m§†	1.4u§†	40u§	6.0 Δ§	1.4k						101 †	5C	B020	CN18
17	CA3004§	12	26m†		5.0m§	5.0u§	40u§	6.0 Δ§	12k†						98 †	5C	B019	CN18
18	CA3005§	12	26m†		5.0m§	1.4u§†	40u§	6.0 Δ§	1.4k†						101 †	5C	B020	CN18
19	CA3005H§	12	26m		5.0m§	1.4u§†	40u§	6.0 Δ§	1.4k†						101	5C	B020	CH16
20	CA3007§	12	30m†		5.0m†	5.0u§	34u§	5.0 Δ	4.0k†						77 †	5C	B024	CN18
21	CA3000	12	30m†		8.0m§	10u§	36u§	4.0 Δ	70k†	6.4 †		650k†	28		80	5C	B018	CN10d
22	CA3053⌀§	12	120m				125u§				3.5m					5C	B021	TO99
23	CA3053S§	12	120m				125u§				3.5m					5C	B021	CN46
24	CA3001§	12	120m		1.5m§†	10u§	36u§	5.0 Δ	50k	5.0 †		16M†	16		70	5C	B023	CN18
25	CA3001H§	12	120m		1.5m§†	10u§	36u§	5.0 Δ	50k	5.0 †		16M†	16		70	5C	B023	CH16
26	SE511B§	12	180m		3.5m	7.5u	40u								60	5C	D026	MP153
27	uA730HM	12 §	180m		3.5m	3.0u	15u	3.5 §	5.0k	5.0	100kØ	1.0M	60		70	5C	B003	CN1d
28	NE511B§	12	180m		4.0m	9.0u	40u								60	07	D026	MP153
29	uA730HC	12 §	180m		7.5m	5.0u	20u	3.5 §	2.5k	5.0	100kØ	1.0M	60		60	07	B003	CN1d
30	SN5511FA§	12	180m†	4.0u†	5.0m§	7.0u§	15u§	4.5 §	5.0k†	2.5	5.0kØ	3.0M†	61 †		95 †	5C	B029	FP2t
31	SN5511L§	12	180m†	4.0u†	5.0m§	7.0u§	15u§	4.5 §	5.0k	2.5	5.0kØ	3.0M†	61 †		95 †	5C	B029a	Δ006AD
32	SN5511N§	12	180m†	4.0u†	5.0m§	7.0u§	15u§	4.5 §	5.0k	2.5	5.0kØ	3.0M†	61 †		95 †	5C	B029	Δ001AA
33	SN7511L§	12	180m†	4.0u†	5.0m§	10u§	20u§	2.0	5.0k	1.5	5.0kØ	3.0M†	55 †		90 †	07	B029a	Δ006AD
34	SN7511N§	12	180m†	4.0u†	5.0m§	10u§	20u§	2.0	5.0k	1.5	5.0kØ	3.0M†	55 †		90 †	07	B029	Δ001AA
35▼	NE510F*	12 §	180m	10m†	4.0m	9.0u	40u	10 Δ							60	07	B084	MP319k
36▼	NE510N*	12 §	180m	10m†	4.0m	9.0u	40u	10 Δ							60	07	B084	MP153h
37▼	NE511F*	12 §	180m	10m†	4.0m	9.0u	40u	10 Δ							60	07	B085	MP319k
38▼	NE511N*	12 §	180m	10m†	4.0m	9.0u	40u	10 Δ							60	07	B085	MP153h
39	SN7511FA§	12	180m†	4.0 †	5.0m§	10u§	20u§	2.0	5.0k†	1.5	5.0kØ	3.0M†	55 †		90 †	07	B029	FP2t
40	SN52733L§	12	288m			3.0u§	20u§	2.0	4.0k†	3.0	2.0kØ	50M†	39		70 †	5C	B046	TO100
41	SN72733L§	12	288m			5.0u§	30u§	2.0	4.0k†	3.0	2.0kØ	50M†	38		70 †	07	B046	TO100
42	SN72733N§	12	288m			5.0u§	30u§	2.0	4.0k†	3.0	2.0kØ	50M†	38		70 †	07	B046	MP39h
43	SN52733FA§	12	288m		1.5 §	3.0u§	20u§	2.0	4.0k	3.0	2.0kØ	50M†	49		60	5C	B046	FP2t
44	SN52733J§	12	288m		1.5 §	3.0u§	20u§	2.0	4.0k	3.0	2.0kØ	50M†	49		60	5C	B046	TO116
45	SN72733FA§	12	288m		1.5 §	5.0u§	30u§	2.0	4.0k	3.0	2.0kØ	50M†	47		60	07	B046	FP2t
46	SN72733J§	12	288m		1.5 §	5.0u§	30u§	2.0	4.0k	3.0	2.0kØ	50M†	47		60	07	B046	TO116
47	CA3000H	12	300m†		8.0m§	10u§	36u§	4.0 Δ	70k†	6.4 †		650k†	28		80	5C	B018	CH16
48#	SN2620	14 §	120m		10m	1.0u						3.0M†	32		60	5C	B036	TO84
49	LM2900D*	15 §♦	150m				200n§		1.0M†	13	2.0kØ	2.5MØ†	62	500m†		48	B047	MP490
50	LM2900J*	15 §♦	150m				200n§		1.0M†	13	2.0kØ	2.5MØ†	62	500m†		48	B047	MP319b
51	LM2900N*	15 §	150m				200n		1.0M†	13	5.1kØ	2.5MØ†	62	500m		48	B047	MP39n
52	LM3301N*	15 §♦	150m				300n§		1.0M†	13	2.0kØ	2.5MØ†	62	500m†		48	B047	MP39n
53	LM3401N*	15 §♦	150m				300n§		1.0M†	13	2.0kØ	2.5MØ†	62	500m†		07	B047	MP39n
54	LM3900N*	15 §	150m				200n§		1.0M†	13	5.1kØ	2.5m†Ø	61	20		07	B047	MP39n
55	284J	15	150m	150u†	15m§	7.0n§†		5.0kΔ	100M†	10	100u	1.1k	20	700 Ø	110	07	B067	MP640
56	LM1900D*	15 §♦	180m				100n§		1.0M†	13	2.0kØ	2.5MØ†	66	500m†		5C	B047	MP490
57	LM1900J*	15 §♦	180m				100n§		1.0M†	13	2.0kØ	2.5MØ†	66	500m†		5C	B047	MP319b
58	275L$	15	225m	5.0u			7.0n§		100M	20	50kØ	1.5k	100	15m	126	07		MP411a
59	275K$	15	225m	15u			7.0n§		100M	20	50kØ	1.5k	100	15m	126	07		MP411a
60	275J$	15	225m	25u			7.0n§		100M	20	50kØ	1.5k	100	15m	126	07		MP411a
61	273K	15	225m	100u	50m§		50p§	10k†	1.0T	6.0	50kØ	4.0k	0.0		115	07		MP253
62	276J$	15	225m	100u	50m		5.0n§		100M	3.4	50kØ	1.0k	70		126	07		MP411b
63	279J$	15	225m	100u	50m		50p§		1.0T	6.0	50kØ	4.0k	60		140	07	Z530	MP533
64	274J	15	900m	200u§	50m§		50p§	1.0k†	1.0T	20	50kØ	1.2k	40		115	07	B051	MP411
65	MC1712F	18 §	120m	2.5u§	3.0m	1.5u	5.0u§	4.5 §	16k	10	100kØ	1.5M	88	1.5 †	80	5C	B010	TO91
66	MC1712G	18 §	120m	2.5u§	3.0m	1.5u	5.0u§	4.5 §	16k	10	100kØ	1.5M	88	1.5 †	80	5C	B010	TO99
67	MC1712L	18 §	120m	2.5u§	3.0m	1.5u	5.0u§	4.5 §	16k	10	100kØ	1.5M	88	1.5 †	80	5C	B010	MP139a
68	MC1712CF	18 §♦	120m	5.0u	6.5m	2.5u	7.5u§	4.5 §	16k	10	100kØ	1.5M	86	1.5 †	70	07	B010	TO91
69	MC1712CG	18 §♦	120m	5.0u	6.5m	2.5u	7.5u§	4.5 §	16k	10	100kØ	1.5M	86	1.5 †	70	07	B010	TO99
70	MC1712CL	18 §♦	120m	5.0u	6.5m	2.5u	7.5u§	4.5 §	16k	10	100kØ	1.5M	86	1.5 †	70	07	B010	MP139a
71	CA3026H	18	600m		1.1u†	5.0m	2.0u§	24u§	3.5k†	12		550M†§	32 †		100 †	5C	Z008a	CH16c
72#	TBA341	18	600m⌀		5.0m	2.0u§	24u§	5.0	3.5k†			550M§†	32 †		100 †	0C	B057	TO116
73	CA3026⌀	18	600m	1.1u†	5.0m	2.0u§	24u§	5.0	3.5k†	12		550M§†	32 †		100 †	5C	Z008a	Δ006AG
74	LM3026H	18	600m	1.1u†	5.0m	2.0u§	24u§	5.0	3.5k†	12		550M§†	32 †		100 †	5C	Z008a	CN18d
75	CA3054	18	750m	1.1u†	5.0m	2.0u§	24u§	5.0	3.5k†	12		550M§†	32 †		100 †	08	Z008	Δ001AB
76	LM3054N	18	750m	1.1u†	5.0m	2.0u§	24u§	5.0	3.5k†	12		550M§†	32 †		100 †	08	Z008	MP39n
77#	SFC2054EC	18	750m	1.1u†	5.0m	2.0u§	24u§	5.0	3.5k†	12		500M§†	32 †		100	07	Z008	TO116
78	CA3054H	18	750	1.1u†	5.0m	2.0u§	24u§	5.0	3.5k†	12		500M§†	32 †		100	5C	Z008	CH16c
79	CA3054L	18	750	1.1u†	5.0m	2.0u§	24u§	5.0	3.5k†	12		500M§†	32 †		100	5C	Z008	CH18
80	SN523A	24	100m	9.0u†	12m§	2.0u§	5.0u†§	10 †	5.0k	24 †	♦	70k	78		90 †	5C	B025	TO84
81	SN5231L	24	100m†	9.0u†	12m§	2.0u§	5.0u†§	10 †	5.0k	24 †	♦	70k	72		90 †	5C	B028	CN17c
82	SN723	24	100m†	10u†	15m§	4.0u§	6.5u†§	10 †	4.0k	20 †	♦	60k	70 †		80 †	07	B025	TO84
83	SN7231L	24	100m†	10u†	15m§	4.0u§	6.5u†§	10 †	4.0k	20 †	♦	60k	70 †		80 †	07	B028	CN17c
84	LM3053H	24	150m				125u				3.5m					5C	B021	CN1d
85	LM3028BH	24	220m		2.0m	2.0u	80u	12		16	4.5m	12M	30		60	5C	B021	CN1d
86	CA3028B⌀§	24	220m		5.0m§	6.0u§	80u§	5.0 §	3.0k†	15	4.5m	8.0M†	40		60	5C	B021	TO99
87	CA3028BS§	24	220m		5.0m§	6.0u§	80u§	5.0 §	3.0k†	15	4.5m	8.0M†	40		60	5C	B021	
88	CA3028A⌀§	24	260m				106u§				3.5m					5C	B021	TO99
89	CA3028AH§	24	260m				106u§				3.5m		42			5C	B021	CH16f
90	CA3028AL§	24	260m				106u§				3.5m		42			5C	B021	CH18
91	CA3028AS§	24	260m				106u§				3.5m		42			5C	B021	
92	LM3028AH	24	260m		5.0m	5.0u	106u				3.5m		30			5C	B021	CN1d
93▼	AM435-1M	30	45m	10u	15m	10p	20p	20	2.0T†	20	10m	7.0k†	60 †	1.0 †	115 †	5C	B086	MP606
94▼	AM435-1C	30	45m	10u	30m	20p	40p	20	2.0T†	20	10m	7.0k†	60 †	1.0 †	105 †	07	B086	MP606
95	uA727HM§	30	60m	1.5u	10m	15n	40n	24	300M†	10					80	5C	B011	TO100
96	uA727HC§	30	60m	3.0u	10m	25n	75n	24	300M†	6.0					70	28	B011	TO100
97▼	3627BM	30	60m	20u	250u§			20	50k	20	10m	800k	0.0	600m	100	5C	B076	TO99
98▼	3627AM	30	60m	30u	250u§			20	50k	20	10m	800k	0.0	600m	90	5C	B076	TO99
99	606M	30	75m	250n	Δ	1.0n§	60n§	20	100M	20	10m	10k	80	800m	60	28		MP532
100	606L	30	75m	500n	Δ	1.0n§	60n§	20	100M	20	10m	10k	80	800m	60	28		MP532
101	606K	30	75m	1.0u	Δ	1.0n§	60n§	20	100M	20	10m	10k	80	800m	60	28		MP532
102	606J	30	75m	2.0u	Δ	1.0n§	60n§	20	100M	20	10m	10k	80	800m	60	28		MP532
103	610L	30	90m	500n	Δ	5.0n§	60n§	20	1.0G	20	10m	500k	80	400m	60	28		MP532
104	610K	30	90m	1.0u	Δ	5.0n§	60n§	20	1.0G	20	10m	500k	80	400m	60	28		MP532
105	312L	30	90m†	2.0u	3.0m	5.0p§	10p§	20 †	100G†	20 †	10m†	10k†	66 †	500m†	100	07	B052	MP5bx
106	610J	30	90m	3.0u	Δ	5.0n§	60n§	20	1.0G	20	10m	500k	80	400m	60	28		MP532
107	312K	30	90m†	5.0u	3.0m	5.0p§	10p§	20 †	100G†	20 †	10m†	10k†	66 †	500m†	100	07	B052	MP5bx
108	312J	30	90m†	15u	3.0m	5.0p§	10p§	20 †	100G†	20 †	10m†	10k†	66 †	500m†	100	07	B052	MP5bx
109▼	LM148JΔ*	30	108m		6.0m	75n	325n	24	800k	20	2kØ	1.0M†Ø	98	500m†	70	5C	B082	TO116
110▼	LM248JΔ*	30	135m		7.5m	125n	500n	24	800k	20	2kØ	1.0M†Ø	98	500m†	70	28	B082	TO116

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

4. DIFFERENTIAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP @25°C RATED SPECS [1] TOT. VOLT. (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE [3] DRFT (V/°C)	[4] OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	T E M P / C O D E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1▼	LM248NΔ*	30	135m		7.5m	125n	500n	24	800k	20	2kØ	1.0M†Ø	98	500m†	70	28	B082	MP307
2▼	LM348JΔ*	30	135m		7.5m	100n	400n	24	800k	20	2kØ	1.0M†Ø	98	500m†	70	07	B082	TO116
3▼	LM348NΔ*	30	135m		7.5m	100n	400n	24	800k	20	2kØ	1.0M†Ø	98	500m†	70	07	B082	MP307
4	CS24	30	135m	40u	Δ		100p	20	1.0G†	20	40m	25MØ	80	440	60	58		MP5br
5	AM490-2C$	30	150m	100n	20u	50p§	150p§	20	100M	40	14m	3.0M§	174	2.5	120	07		TO99
6▼	AM201C	30	150m	250n†§	Δ	1.0n†	25n§	20	1.0G†	20	10m	45k	60 †	1.0 †	54	07	B083	MP51c
7	AM490-2B$	30	150m	300n	20u	50p§	150p§	20	100M	40	14m	3.0M§	174	2.5	120	07		TO99
8▼	AM201B	30	150m	500n†§	Δ	1.0n†	25n§	20	1.0G†	20	10m	45k	60 †	1.0 †	46	07	B083	MP51c
9▼	AM201A	30	150m	1.0u†§	Δ	2.5n†	50n§	20	1.0G†	20	10m	45k	60 †	1.0 †	40	07	B083	MP51c
10	AM490-2A$	30	150m	1.0u	20u	50p§	150p§	20	100M	40	14m	3.0M§	174	2.5	120	07		TO99
11	ZEL1-02	30	150m†	2.5u	Δ		50n§	20	1.0M†	20 †	5.0m†	1.5MØ†	113	6.0	86 †	28		MP6b
12	ZEL1-03	30	150m†	5.0u	Δ		50n§	20	1.0M†	20 †	5.0m†	1.5MØ†	113	6.0	86 †	28		MP6b
13	AD521K	30	150m	5.0u	1.5m	10n	40n	20	3.0G	20	20m	40k	60	10	100	28	B062	TO116
14	AD521S	30	150m	5.0u	1.5m	10n	40n	20	3.0G	20	20m	40k	60	10	100	28	B062	TO116
15	ZEL1-04	30	150m†	10u	Δ		50n§	20	1.0M†	20 †	5.0m†	1.5MØ†	113	6.0	86 †	28		MP6b
16	AD521J	30	150m	15u	3.0m	20n	80n	20	3.0G	20	20m	40k	60	10	100	28	B062	TO116
17	310L	30	180m†	500n	300u		50n§	20 †	10M†	20 †	10m†	10k†	60 †	500m†	100	07	B052	MP5bx
18	310K⊠	30	180m†	1.0u	300u		50n§	20 †	10M†	20 †	10m†	10k†	60 †	500m†	100	07	B052	MP5bx
19▼	3626CP	30	180m	2.0u	240u§Δ		50n§	20	5.0G	20	10m	1.4k	60	1.2	74	5C	B075	MP454
20▼	3662KP	30	180m	2.4u	230u§Δ		300n§	20	20G†	20	20m	27k	60	1.8	66	5C	B080	MP454
21	3660K	30	180m	2.5u§	1.3m§	20n§	200n§	20	20M†	20	20m	650k†	60	1.8 †	110	5C		TO100
22	3660S	30	180m	2.5u§	1.3m§	20n§	200n§	20	20M†	20	20m	650k†	60	1.8 †	110	5C		TO100
23	310J⊠	30	180m†	3.0u	500u		50n§	20 †	10M†	20 †	10m†	10k†	60 †	500m†	100	07	B052	MP5bx
24▼	3626BP	30	180m	4.0u	240u§Δ		50n§	20	5.0G	20	10m	1.4k	60	1.2	74	5C	B075	MP454
25▼	3650KG#	30	180m	5.0u	500u§Δ		40n§	20	25	20	10m	15k†	88	700m	90	4A	B078	MP713
26▼	3662JP	30	180m	6.0u	500u§Δ		300n§	20	20G†	20	20m	27k	60	1.8	60	5C	B080	MP454
27▼	3626AP	30	180m	8.0u	480u§Δ		50n§	20	5.0G	20	10m	1.4k	60	1.2	68	5C	B075	MP454
28▼	3650JG#	30	180m	10u	1.0m§Δ		40n§	20	25	20	10m	15k†	88	700m	90	4A	B078	MP713
29	3660J	30	180m	10u§	6.6m§	50n§	200n§	20	20M†	20	20m	650k†	60	1.8 †	96	5C		TO100
30▼	3652JG#	30	180m	25u	2.0m§Δ	10p§	50p§	20	100G	20	10m	15k†	75	700m	80	4A	B079	MP713
31▼	3650HG#	30	180m	25u	5.0m§Δ		40n§	20	25	20	10m	15k†	88	700m	90	4A	B078	MP713
32	3670K	30	180m	25u§	5.3m§	5.0p§	10p§	20	100G†	20	20m	550k†	60	1.8 †	104	06		TO100
33	3670S	30	180m	25u§	5.3m§	5.0 §	10p§	20	100G†	20	20m	550k†	60	1.8 †	104	5C		TO100
34	ZA702M1	30	180m†	50u	Δ		15n†	20	500M†	20	5.0m	12k		400m	80	07		MP⊠
35	3670J	30	180m	50u§	10m§	10p§	10p§	20	100G†	20	20m	550k†	60	1.8 †	96	06		TO100
36	ZA703M1	30	180m†	60u	Δ		3.0p†	20	100G†	20	5.0m	12k		400m	80	07		MP⊠
37	1313	30	210m	250n§	50m§	1.5n§	15n§	20	100M	22	20m	75k	60	1.0	54	06	B072	MP200b
38	1312	30	210m	500n§	50m§	1.5n§	15n§	20	100M	22	20m	75k	60	1.0	54	06	B072	MP200b
39▼	3629CM	30	210m	1.7u	65u§	20n§	20n§	20	10G†	20	20m	3.5k	60	200m	90	5C	B077	MP488b
40▼	3629CP	30	210m	1.7u	65u§	20n§	20n§	20	10G†	20	20m	3.5k	60	200m	90	5C	B077	MP58h
41	1843	30	210m†	3.0u	Δ	30p†	50p	20	100G†	20	10m	1.5MØ†	109	3.0 †	73	08		MP5ak
42▼	3629BM	30	210m	3.0u	65u§	30n§	25n§	20	10G†	20	20m	3.5k	60	200m	90	5C	B077	MP488b
43▼	3629BP	30	210m	3.0u	65u§	30n§	25n§	20	10G†	20	20m	3.5k	60	200m	90	5C	B077	MP58h
44▼	3629SM	30	210m	3.0u	65u§	30n§	25n§	20	10G†	20	20m	3.5k	60	200m	90	5C	B077	MP488b
45▼	3629AM	30	210m	5.0u	130u§	50n§	35n§	20	10G†	20	20m	3.5k	60	200m	90	5C	B077	MP488b
46▼	3629AP	30	210m	5.0u	130u§	50n§	35n§	20	10G†	20	20m	3.5k	60	200m	90	5C	B077	MP58h
47	AD523K	30	210m	30u	20m		500n	20	1.0T	20	10m	500kØ	92	3.0	80	5C		TO99
48	603L	30	210m	50u†§	Δ		20p§	20	1.0T†	20	10m	1.0M		2.0 †	80 †	28		MP51b
49	1861	30	210m	50u		250p	250p	20	100G	20	10m	1.0M	86	1.5	70	28		
50	AD523L	30	210m	60u	20m		250n	20	1.0T	20	10m	500kØ	92	3.0	80	5C		TO99
51	1821	30	210m†	75u		100p†	100p	20	100G†	20	10m	10MØ†	86	10 †	73	28		MP5y
52	AD523J	30	210m	90u	50m		1.0p	20	1.0T	20	10m	500kØ	86	3.0	70	5C		TO99
53	603K	30	210m	150u†§	Δ		20p§	20	1.0T†	20	10m	1.0M		2.0 †	80 †	28		MP51b
54	603J	30	210m	500u†§	Δ		50p§	20	1.0T†	20	10m	1.0M		2.0 †	80 †	28		MP51b
55	1895	30	210m	10	Δ	30p	30p	20	100G	20	10m	1.5M	110	3.0	94	08		MP5ak
56	AD522C	30	240m	10u	100uΔ	5.0n§	10n§	20	10G†	20	5.0m	300k		100m†	80	28	B069	MP562
57▼	MN2200	30	240m†	20u	200u§	7.0n§	7.0n§	20	1.0G	24	10	750kØ	60	250m†	110 †	28	B081	MP725
58	9007	30	240m	20u	10m	100n	200n	20	100M	20	20m	300k	100	300m	100	58		MP210
59	AD522B	30	240m	25u	200uΔ	10n§	15n§	20	10G†	20	5.0m	300k		100m†	80	28	B069	MP562
60	A202	30	240m	50u	Δ		10p	16	100G	20	10m	5.0kØ	100	2.0	106	28	B041	MP179
61	AD522S	30	240m	100u	200uΔ	20n§	25n§		10G†	20	5.0m	300k		100m†	75	5C	B069	MP562
62	3553AM	30	240m	300m	50m§			20	100G	20	400m	300M	1.0	2.0k		28	B063	CN22e
63	285L$	30	250m	100u			7.0n§	20	100M	20	10m	2.5k	60	120m	120	07	Z529	MP411c
64	285K$	30	250m	200u			7.0n§	20	100M	20	10m	2.5k	60	120m	120	07	Z529	MP411c
65	285J$	30	250m	350u			7.0n§	20	100M	20	10m	2.5k	60	120m	120	07	Z529	MP411c
66	AD522A	30	300m	50u	400uΔ	20n§	25n§	20	10G†	20	5.0m	300k		100m†	75	28	B069	MP562
67	3620L	30	420m	250n§	1.0m§Δ	10n†	25n§	20	300M†	20	20m	10k†	60 †	300m†	74	07		MP298
68	3620K	30	420m	500n§	1.0m§Δ	10n†	25n§	20	300M†	20	20m	10k†	60 †	300m†	74	07		MP298
69	3620J	30	420m	2.0u§	1.0m§Δ	10n†	25n§	20	300M†	20	20m	10k†	100 †	300m†	74	07		MP298
70	272J	30	450m	150u	50m§		50p§	1.0k†	1.0T	6.0	50kØ	2.0k	0.0		115	07		MP253
71	273J	30	450m	150u	50m§		50p§	1.0k†	1.0T	6.0	50kØ	4.0k	0.0		115	07		MP253
72	4253	30	480m	2.0u	1.0m		10p§	20	10T†	20	10m	75k†	80	5.0kØ	76	04	B073	MP200a
73	277A	30	600m	5.0u§†	1.5m§Δ	6.0n§†	20n§	20	4.0M†	20	10m	2.5k	106	1.5kØ	160	28	B068	MP641
74	277J	30	600m	5.0u	1.5m§Δ	6.0n§†	20n§	20	4.0M†	20	10m	2.5k	106	1.5kØ	160	07	B068	MP641
75	277K	30	600m	5.0u	1.5m§Δ	6.0n§†	20n§	20	4.0M†	20	10m	2.5k	106	1.5kØ	160	07	B068	MP641
76▼	3456B$	30	720m	76u	2.2m§Δ		50n§	20	10M	20	40m	1.0k†	60		80	28	B074	MP712
77▼	3456A$	30	720m	152u	5.5m§Δ		50n§	20	10M	20	40m	1.0k†	60		80	28	B074	MP712
78	CS23	30	750m	25u	Δ	15n			250k	20	200m	100MØ	92	600		05	A136	MP199c
79♦	HFS23	30	750m	25u	Δ	150n			250k	20	60m	80MØ	96	400		59	B043	CN2s
80♦	HVA23	30	750m	25u	Δ	150n			250k	20	60m	100MØ	96	600		59	B044	CN2s
81♦	HVA23-2	30	750m	25u		150n			250k	20	60m	100MØ	96	600		59	B060	CN2s
82	FS23	30	1.0	10u§	Δ	15n§			250k	20	60m	20MØ	106	400		06		MP83a
83	9072	30	1.2	3.0m	10m	3.0u	10u	20	1.0k	20	400m	10MΔ	100	250	70	57	B059	MP460
84▼	FS24	30	1.3	40u	Δ	500p§		20	100G	20	60m	25MØ	86	300	70	05		MP332
85	IA101	30	1.5 ⊠		Δ		10u§	2.0kΔ	10k	20	5.0m	2.0k	0.0		106		B061	MP505a
86	IA102	30	1.5 ⊠	1.0u§	500u§		10n§	2.0kΔ	10T	20	5.0m	2.0k	0.0		106		B061a	MP505
87	IA103	30	1.5 ⊠	50u§	5.0m§		50p§	2.0kΔ	10T	20		2.0k	0.0		106		B061b	MP505
88	46K	30	1.6	25u	2.0mΔ		100p§	20	100G	20	200m	40MØ	88	1.0k	86	28		MP254
89	46J	30	1.6	75u	2.0mΔ		100p§	20	100G	20	200m	40MØ	88	1.0k	86	28		MP254
90	1894	30	300	50u	Δ	100p	100p	20	10G	20	10	10M	86	12	94	28		
91	A213	32	256m	2.0u⊠	Δ		10p	20	100G	20 †	10m†	5.0MØ†		1.5 †	96	28	B041	MP179
92	A212	32	256m	5.0u⊠	Δ		10p	20	100G	20 †	10m†	5.0MØ†		1.5 †	96	28	B041	MP179
93	A203	32	256m	25u	Δ		10p	20 †	100G	20	10m	5.0kØ	100	1.5 †	106	28	B041	MP179
94	A200	32	256m	50u†	Δ		50p§	20	100G	20	10m	5.0kØ	60	1.5 †	80	28	B041	MP179
95	602K100	32	448m	2.0u	100uΔ§		50n§	20	1.0G†	20	8.0m	75k			86	07		MP138
96	602J100	32	448m	10u	200uΔ§		50n§	20	1.0G†	20	8.0m	75k			86	07		MP138
97	602J10	32	448m	10u	300uΔ§		50n§	20	1.0G†	20	8.0m	75k			75	07		MP138
98	1301	36	432m	25u§	Δ	100p§		20	100G	22	10m	15k§	60	2.0	86	27	B042	MP200
99	1300	36	432m	50u§	Δ	100p§		20	100G	22	10m	15k§	60	2.0	86	27	B042	MP200
100	3625C	36	500m	500n	500u		100n	30	300M	20	10m	50k	100 †	300m†	80 †	28		MP5bx
101	3501C	40	60m	5.0u	2.0m	2.0n	3.0n	32	10M	30	10m	5.0	100	100m	100	28		TO99
102	3501B	40	60m	10u	2.0m	3.0n	7.0n	32	10M	30	10m	5.0	100	100m	100	28		TO99
103	3501S	40	60m	10u	2.0m	3.0n	7.0n	32	10M	30	10m	5.0	100	100m	100	5C		TO99
104	3501A	40	60m	20u	5.0m	5.0n	15n	32	10M	30	10m	5.0	100	100m	100	28		TO99
105	3501R	40	60m	20u	5.0m	5.0n	15n	32	10M	30	10m	5.0	100	100m	100	5C		TO99
106	LH101D$	40	500m	6.0u†	6.0m	500n⊠	1.5u⊠	24	300k	24	10m		93		70	5C	A001	TO116
107	LH201D$	40	500m	10u†	10m	750n⊠	2.0u⊠	24	150k	24	10m		86		65	07	A001	TO116
108	770-401-301	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	0.0	350 Ø	80	05		MP44
109	770-401-302	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	6.0	350 Ø	86	05		MP44
110	770-401-305	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	14	350 Ø	94	05		MP44

4. DIFFERENTIAL AMPLIFIERS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP @25°C RATED SPECS 1 TOT. VOLT. (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX VOLTAGE 3 DRFT (V/°C)	4 OFST (V)	MAX CURRENT OFFSET (A)	BIAS (A)	MIN.-@25°C CM RANGE (ΔV)	DIFF IMP. (Ω)	MIN. OUTPUT CHAR.@25°C P-P VOLT. (ΔV)	P-P CUR. (ΔA)	MIN TRANSFER CHAR @ 25°C 3dB BW (Hz)	O.L. VOLT. GAIN (dB)	SLEW RATE (V/uS)	CMRR (dB)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	770-401-310	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	20	350 ∅	100	05		MP44
2	770-401-320	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	26	350 ∅	106	05		MP44
3	770-401-350	44	1.1 †	50u	Δ			20	100M	20	20m	2.0M	34	350 ∅	114	05		MP44
4	770-440-1	44	1.3	2.5u	Δ	4.0n		20	10M	20	1.0k∅		60	1.0	110	05		MP45
5	770-440-2-1000	44	1.3	2.5u	Δ	4.0n		20	10M	20	1.0k∅		60	1.0	110	05		MP45
6	770-440-2-500	44	1.3	3.0u	Δ	4.0n		20	10M	20	1.0k∅		54	1.0	110	05		MP45
7	770-440-2-200	44	1.3	4.5u	Δ	4.0n		20	10M	20	1.0k∅		46	1.0	110	05		MP45
8	770-440-2-100	44	1.3	7.0u	Δ	4.0n		20	10M	20	1.0k∅		40	1.0	110	05		MP45
9	770-440-2-50	44	1.3	12u	Δ	4.0n		20	10M	20	1.0k∅		34	1.0	110	05		MP45
10	LH0045G	45 §♦	1.5 ⍁	3.0u	3.0m	400p	3.0n	1.0	50M†						80	5C	B066	CN18c
11	LH0045CG	45 §♦	1.5 ⍁	6.0u	10m	1.5n	10n	1.0	50M†						80	28	B066	CN18c
12	LH0045K	45 §♦	3.0 ⍁	3.0u	3.0m	400p	3.0n	1.0	50M†						80	5C	B066	CN22f
13	LH0045CK	45 §♦	3.0 ⍁	6.0u	10m	1.5n	10n	1.0	50M†						80	28	B066	CN22f
14	1915	52	624m	25u	Δ	50p§		10	10G†	10	40m	10M∅†	100	20 †	100 †	58		MP5z
15	391	230	6.0 †	1.0m	Δ			20	10M†	20	100m	100k		4.0	60			
16	171K	300	1.8	15u	1.0m§	10p†	50p§	280	100G†	280	10m	3.0M†∅	120	10	100	28		MP38b
17	171J	300	1.8	50u	1.0m§	10p†	50p§	280	100G†	280	10m	3.0M†∅	120	10	100	28		MP38b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BANDWDTH [3] MIN. UPPER (Hz)	MAX. LOWER (Hz)	[4] MIN. VOLT. GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	ΔTEMP GAIN VAR. (dB)	INPUT @25°C MIN. RESIST (Ω)	MAX. VOLTS P-P (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT. P-P (ΔV)	MIN. POWER (W)	@ LOAD RES. (Ω)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	AB49		2.0	35k	10	31	80 Δ	500m		100k	30	200m	50	80	4.0			
2#	TAA370	1.3 §	650u	4.7k†		88	6.0		4.0					1.0m		15	C021	TO89
3	OM200	1.3 §	1.5m	20k		75Δ	6.0	10			10		10	200u	500		C011	MP33
4#	AN127	1.3	1.6m		0.0	75Δ	6.0	10						200u		2A	C011	TO72
5#	TAA131	1.3	1.6m	20k	40	5.0		10	8.0 †	3.0k			350m†			3C	C255	MP33
6#	OM200S2	1.3 §	14m	20k		77	6.0	10		400k†	5.0		5.0			28	C011	MP33
7#	LC547	1.3 §	90m⧄	10k†	130 †	74	1.6 *	4.0	70mØ	12k†		120k	4.5	4.8m†♦	350	14	C241	FP54
8#	LD547	1.3 §	90m⧄	10k†	130 †	74	2.5 *	4.0	70mØ	12k†		120k	4.5	4.8m†♦	350	14	C241	FP54
9#	LU547	1.3 §	90m⧄	10k†	130 †	74	2.5 *	4.0	70mØ	12k†		120k	4.5	4.8m†♦	350	14	C241	FP54
10#	WC530G	1.3 §	100m⧄			65	1.0 *†	8.0		30k†				2.0m	1.0k	07	C186	FP2u
11#	WE530G	1.3 §	100m⧄			67	1.0 *†	7.0		30k†				2.0m	1.0k	07	C186	FP2u
12#	WL530G	1.3 §	100m⧄			72	1.0 *†	7.0		30k†				2.0m	1.0k	07	C186	FP2u
13#	WL545G	1.3 §	100m⧄			72	1.5 *†	7.0		8.2k†				2.0m	1.0k	07	C187	FP29c
14#	WV530G	1.3 §	100m⧄			77	1.0 *†	7.0		30k†				2.0m	1.0k	07	C186	FP2u
15#	WC535G	1.3 §	100m⧄	70k	50	67		5.0 †		30k†				1.2m	400	25	C228	FP2x
16#	LD501	1.5 §	3.4m	5.0k	200	56		3.0		15k	30m		1.0	500u	600		C226	FP49
17▼#	LR505	1.5 §	25m⧄	1.0k♦		68		5.0		27k†	500u*		868m§	500u	1.0k	14	C264	FP57
18▼#	LS505	1.5 §	25m⧄	1.0k♦		68		5.0		27k†	500u*		532m§	500u	1.0k	14	C264a	FP57
19#	LC505	1.5 §	25m⧄	10k	50	68		5.0		8.0 †				500u	1.0k	14	C225	FP48
20#	LD505	1.5 §	25m⧄	10k	50	68		2.0 †		27k†				500u	1.0k	14	C227	FP50
21#	WC501G	1.5 §	50m⧄	5.0k†	200 †	56	4.0 *	6.0	3.4	15k†			1.0	500u	600	47	C185	FP29d
22#	LC548	1.5 §	90m⧄	14k†	130 †	74	1.6 *	4.0	70mØ	12k†		120k	5.3	6.6m†♦	400	14	C241	FP54
23#	LD548	1.5 §	90m⧄	14k†	130 †	74	2.5 *	4.0	70mØ	12k†		120k	5.3	6.6m†♦	400	14	C241	FP54
24#	WC534G	1.5 §	100m⧄			67	1.0 *†	8.0		30k†				5.0m	400	07	C186a	FP2u
25#	WC531G	1.5 §	100m⧄			70	1.0 *†	8.0		30k†				3.0m	1.0k	07	C186a	FP2u
26#	WL531G	1.5 §	100m⧄			72	1.0 *†	7.0		30k†				3.0m	1.0k	07	C186a	FP2u
27#	WL546G	1.5 §	100m⧄			72	1.5 *†	7.0		8.2k†				3.0m	1.0k	07	C187	FP29c
28#	WH534G	1.5 §	100m⧄			74	1.0 *†	7.0		30k†				5.6m	400	07	C186a	FP2u
29#	WV531G	1.5 §	100m⧄			77	1.0 *†	7.0		30k†				3.0m	1.0k	07	C186a	FP2u
30#	WV546G	1.5 §	100m⧄			77	1.5 *†	8.0		8.2k†				3.0m	1.0k	07	C187	FP29c
31#	WS531G	1.5 §	100m⧄			82	1.0 *†	7.0		30k†				3.0m	1.0k	07	C186a	FP2u
32#	TCA980	4.5	700m⧄			48	1.3m*		800m			150 †	1.3			5C	C167	TO12
33	ATF493	5.0	2.5m	16k§	80	9.9	6.6 *†	1.0			350m	1.5k				27		FP34
34	ATF494	5.0	7.0m	16k§	80	9.9	6.6 *†	1.0			350m	1.0k				27		FP34
35▼#	LA3210	5.0 §	10m			35*	2.0 *	100m		100k			700m		5.1k	17	C273	MP746
36#	SL1205	5.0 §	15m	5.0M		56*	1.2 $			2.0k†		50 †	1.5			5C	C230	CN63
37#	TAA370A	5.0	100m			60	6.0	10		8.0k				1.5m†		28	C021	FP16
38#	LA3201	5.5 §	6.0m†			58†		1.0		20k						26	C133	MP267
39#	TAA293A	6.0		600k$		70	10							10m		26	C093	TO74
40	CA3020H§	6.0 §		8.0M†		75†Δ	70 §†	10		1.0k†		200 †		550m	130	5C	C022	CH16d
41#	SL1202C	6.0 §	30m	2.5M		52*	1.2 $			2.0k†		80 †	2.5			5C	C234	CN11e
42#	M51501L	6.0	36m	20k	100	55		2.0		40k				300m	8.0	17	C201	MP535
43#	M5118L	6.0	54m†			65	1.5 *†							250m	8	17	C156	MP442
44#	M51182L	6.0	54m†			65	1.5 *†							250m	8	17	C157	MP442
45	MCC263	6.0 §	70m⧄	600k	0.0	70Δ	10				5.0		7.0	8.0m		2A	C222	TO72
46	LM389N§	6.0 §	72m	250k†		23		3.0		10k	800m*		4.0 †	250m♦	8.0	07	C233	MP579
47	LM386N	6.0 §♦	96m	300k		26		200m†		50k	800m			250m	8.0	07	C199	MP491
48	TAA263	6.0	96m	600k†	DC	70Δ	10	5.0			10			8.0m	150	2A	C011	TO72
49	LM390N	6.0 §	120m	300k†		23		1.0		10k	800m*		5.0 †	800m♦	4.0	07	C232	MP39n
50▼#	LA4110	6.0 §	150m			45*	800u#	1.5		20k				700m	4.0	17	C274	MP413
51#	LA4100	6.0 §	150m			70†		1.5		12k				650m	4.0	26	C136	MP413
52#	SL1203C	6.0 §	180m	2.5M		62*	1.2 $			2.0k†			400m			5C	C229	MP437e
53#	M5156P	6.0	240m			120	1.0 *†			10k				1.5	8.0	17	C117	MP55
54♦#	TAA960§	6.0 §	250m	150k		39	50 §	2.0 †		25k	4.0	9.0k†	400m†			56	Z115	CN8h
55	MC3310P	6.0	1.2 ⧄	20k§	20	60	6.0			1.0k		100k				07	C181	MP404
56#	TAA310A	7.0		15k		93	4.0			20k†			2.0			26	C036a	TO74
57#	M5152L	7.0	49m			65		300m		150k†						17	C177	MP535
58#	M51521L	7.0	49m			65		300m		150k†						17	C177	MP535
59	TAA310	7.0	100m	15k		90	4.0	10			12		5.6	4.0m	1.0k	27	C036	CN27
60#	LA4101	7.5 §	187m			70†		1.5		12k				950m	4.0	26	C136	MP413
61▼	uPC592H2	8.0 §	15m	50k$	30	46	2.0u#	100m		70k		35k	1.0			27	C208	MP722
62#	AN360	9.0				75		200m		130 †	20					27	C176	MP530
63#	TAA611B12	9.0		15k	50	68†	75 §†	5.2		750k†			3.0	50m	8.0	2C	C082a	MP246
64#	LA3155	9.0 §	11m†			45†		100m†		80k						28	C132	MP104
65▼#	LA3150	9.0 §	21m			45*	2.0 *	100m		120k			1.0		10k	17	C272	MP745
66#	TAA611E12	9.0 ♦	27m	20k	50	68		3.0		250k	6.0			1.0	8	48	C082a	MP246
67#	TAA611E55	9.0 ♦	27m	20k	50	68		3.0		250k	6.0			1.8	8	48	C082a	TO100
68	MC1306P	9.0 §	36m†			99†	55 †	1.0 †				500m†		200m	16	07	C057	MP161
69#	TBA820	9.0 §	36m†	7.0	25	75†	3.0u*†	10		5.0m†				1.6 †	4.0	07	C129	MP246
70	MC3360P	9.0	45m					10						250m		17	C182	MP404
71	HEPC6003-RT	9.0 §♦	54m				15mΔ	4.5						250m		17	C078	MP223
72♦#	LA3160	9.0 §	54m			35*	2.0 *	300m		100k			1.1		10k	17		MP745
73	TBA790KD	9.0 §	54m			46†	3.0u*†	300m†		50M			7.0	2.7 †	8.0	2C	C102	MP247
74	TBA790ND	9.0 §	54m			46†	3.0u*†	300m†		50M			7.0	2.7 †	8.0	2C	C102	MP264
75	TBA790X	9.0 §	54m			46†	3.0u*†	300m†		50M			4.2	530m†	15	2C	C102	MP50a
76	CA3035*	9.0 §	67m	500k†	1.0k	40	7.0				1.0	270 †	2.0 †		10k	5C	E016	CN10d
77	CA3035H*	9.0 §	67m	500k†	1.0k	40	7.0				1.0	270 †	2.0 †		10k	5C	E016	CH16h
78#	TAA300	9.0 §	72m†	25k†	100		6.0 †	3.0		10k	10m			1.0 †		2C	C031	TO74
79#	TCA160B	9.0 §	78m			70†	80 †	700m†		15k†				1.0 †	8.0	2C	C107	MP545
80#	TCA160C	9.0 §	78m			70†	80 †	700m†		15k†				1.0 †	8.0	2C	C107	MP357
81	TBA790KC	9.0 §	90m			46†	3.0u*†	300m†		50M			4.2	1.6 †	4.0	2C	C102	MP247
82	TBA790LA	9.0 §	90m			46†	3.0u*†	300m†		50M			4.2	1.0 †	8.0	2C	C102	MP50a
83	TBA790LC	9.0 §	90m			46†	3.0u*†	300m†		50M			4.2	1.6 †	4.0	2C	C102	MP50a
84#	SFC2790C	9.0 ♦§	105m	25k†	40 †	34		10		50M†	12		7.9	1.0	8.0	07		TO100
85#	SFC2790M	9.0 §♦	108m†	25k	40	34		10		50M†	12		7.9	1.2	8.0	5F	C102	TO100
86	TBA790KSC	9.0 §♦	108m†	25k	40	34		10		1.0M	12		7.9	1.2	8.0	2C	C102	MP246
87	TBA790LSA	9.0 §♦	108m†	25k	40	34		10		50M†	12		7.9	1.2	8.0	2C	C102	MP246
88	TBA790LSC	9.0 §♦	108m†	25k	40	34		10		1.0M	12		7.9	1.2	8.0	2C	C102	MP247
89	TBA790MSA	9.0 §♦	108m†	25k	40	34		10		50M†	12		7.9	1.2	8.0	5F	C102	TO100
90#	TBA790NC	9.0 ♦§	108m†	25k†	40 †	34†		10		1.0M	12		7.9 †	1.2	8.0	27	C102	MP264
91#	TCA160%	9.0 §	135m			70†	80 †	700m†		15k†				900m†	8.0	2C	C107	MP357
92#	TBA641A12	9.0	162m	20k	40	46†	2.5 †*	10		3.0M†	12			1.8	400m	17	C083	MP359
93#	M5106P§	9.0	180m	50k	50	70†		650m†	30	20k†				700m	8.0	27	C062	MP55
94#	TBA460§	9.0 §	202m	70k	30	72†	2.5 *†	300m†			3.2					07	Z276	MP337a
95#	TBA460Q§	9.0 §	202m	70k	30	72†	2.5 *†	300m†			3.2					07	Z276	MP217a
96#	SFC2150RM	9.0 §♦	220m†	25k	40	34		10		1.0M	12			4.0	4.0	5F	C102a	CN22c
97▼#	LA4112	9.0 §	225m			45*	800u#	2.0		20k				1.7	4.0	17	C274	MP413
98#	LA4102	9.0 §	225m			70†		1.5		12k				1.3	4.0	26	C137	MP413
99#	M5155P	9.0	315m			60		700m†		100k				1.0 †	8.0	17	C116	MP55
100	CA3020§	9.0 §	350m†	8.0M†		75†Δ	70 §†	10		1.0k†		130 †		400m	130	5C	C022	CN10n
101	CA3020A§	9.0 §	525m†	8.0M†		75†Δ	66 §†	10		1.0k†		200 †		400m	130	5C	C022	CN10n
102#	M5115P	9	540m			139	2.0 *			60k†				1.5	8	17	C091	MP265
103#	TDA1002	9.0	580m⧄	15k	300	80†		400m†		17k†			4.0 †			2C	C168	MP545b
104#	M51301P	9.0	620m			60		100m	1.5	100			2.5		2.2k	17	C244	MP343b
105	TBA820L	9.0 §	1.2 ⧄	20k	25	75†	3.0 *†	400m		5.0M†				1.2 †	8.0	4E	C129	MP246
106#	TCA760B	9.0 §	1.4 ⧄	15k	30	70†	3.0 *	3.0 ♦		15k†	8.5 ♦	7.0k†		1.1 ♦†	8.0	2C	C161a	MP545b
107#	TAA611A12	9.0	1.5	15k	50	68†		1.7		750k†	12		4.8	500m	8.0	5C	C082a	MP246
108#	TAA611A55	9.0	1.5	15k	50	68†		1.7		750k†	12		4.8	500m	8.0	5F	C082	TO100
109#	TCA760	10	100m	18k	70	70†	3.0 *	3.0		15k†	12m			1.1 †	8.0	2C	C161	MP545
110#	AN274	10	200m	30k	50	38	500mΔ	1.5		30k†				800m†	8.0	26		CN27

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BANDWDTH [3] MIN. UPPER (Hz)	MAX. LOWER (Hz)	[4] MIN. VOLT. GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	ΔTEMP GAIN VAR. (dB)	INPUT @25°C MIN. RESIST (Ω)	MAX. VOLTS P-P (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT. P-P (ΔV)	MIN. POWER (W)	@ LOAD RES. (Ω)	TEMP / CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	HEPC6064P-RT	11 §				103										47	C077	MP263
2#	LA4200	11 §	187m†			50†		1.0		100k†				1.5 †	8.0	27	C191	MP413
3#	LA4050P	11 §	275m			27		1.5		85k†				800m	8.0	28	C135	MP412
4▼	PTC803-RT	11 §	275m			27		1.5		85k†				1.0 †	8.0	28	C135	MP412
5#	LA4030P	11 §	275m	100		27		1.5		6.0k		450m†		800m	8.0	27	C134	MP412
6#	AN7114	11	1.2			42		1.5			11			1.5 †	4	16	C242	MP413a
7#	TBA915%	12 §	24m	6.0k			72 †	5.0 †		9.0k†				500m†		5C	C113	CN27a
8	CA3007§	12	30m†	20k†	DC	20Δ		280m†		4.0k†	5.0	60 †				5C	B024	CN18
9#	TAA611CX1	12	42m†	15k	50	70†		1.5		750k†	2.0		6.3	2.5	8.0	07	C082a	MP247
10#	TAA611F12	12 ♦	42m	20k	50	68		3.0		250k	6.0			2.1	8	48	C082a	MP246
11#	TCA210D#2	12	48m†	1.0M%		54†				1.3k†	5.0			500m†	25	36	C237	FP52
12#	TCA210D#1	12	48m†	10M%		80†	4.0 †			500 †	5.0			2.5m†	800	0C	C237	FP52
13#	TDA1045	12 ♦§	54m†	20k†	30 †	46†	3.0 *	1.0		50M†	1.0 *		8.0 †	1.3	8.0	07		MP246
14	TBA790KB	12 §	96m			46†	3.0u*†	300m†		50M			4.2	2.1 †	8.0	2C	C102	MP247
15	TBA790LB	12 §	96m			46†	3.0u*†	300m†		50M			4.2	2.1 †	8.0	2C	C102	MP50a
16#	TCA210#2	12	96m†	1.0M%		54				1.3k†	260m			500m†	25	36	C092	MP252a
17#	TCA210#1	12	96m†	10M%		80	6.0			500 †	1.5m			2.5m†	800	36	C092	MP252a
18	LM170H§	12 §	120m			37		600m		35k	39	4.5k	5.0			5C	C004	CN17j
19	LM270H§	12 §	120m			37		600m		35k	39	4.5k	5.0			27	C004	CN17j
20	LM370H§	12 §	144m			35		600m		35k	39	4.5k	5.0			07	C004	CN17j
21	LM370N§	12 §	144m			35		600m		35k	39	4.5k	5.0			07	C004	MP39n
22#	TCA830S	12 §	144m	10k	40	75†	2.0u*†	10		5.0M†				3.4 †	4.0	07	C130	MP325
23#	SL630C§	12 §♦	156m			43*	10			1.0k	50m	3.0	2.5	190m	40	5C	C050	CN27b
24	CA3048*	12 §	210m	250k		53$	2.0 †	650m†		90k†	1.4	1.0k†	5.6			28	C047	MP104
25#	TCA120	12	240m				300 Δ			100k†		4.0 †		4.0 †	4.0	28	C105	MP325
26	LM388N	12 §	240m	300k†		23		1.0		10k	800m*		9.0 †	1.0 ♦	8.0	07	C232	MP39n
27	PA239A	12 §	264m	30k	0.0	65	1.8 †	900m	2.0	100k		100 †	1.5 †			48	C160	MP153
28#	AN262	12	480m			68		300m		100k	100m	150	8.0			27	C155	MP178b
29#	LA4031P	13 §	396m	100		27		2.0		6.0k		450m†		1.8	4.0	27	C134	MP412
30▼	PTC801-RT	13 §	396m	100k		27		2.0		6.0k		350m†		1.8	4.0	28	C134	MP412
31#	AN315	13	504m			50		1.5			24			4.5	4.0	27	C175	MP528
32#	AN252	13	540m†			45		1.5			18			2.5	4.0	27	C173	MP531
33#	M51513L	13 §	550m†	40k	40	58†		10		66k				5.8 †	4.0	17	C223	MP682
34▼	uPC1020H	13 §	594m	50k$	50	49	4.0u#	1.0						4.5	4.0	27	C268	MP724
35▼	uPC1025H	13 §	594m	50k$	50	49	4.0u#	1.2					5.0	4.0	4.0	27	C268	MP724
36▼	uPC1156H2	13 §	1.1	75k$	30	52	4.0u#	1.0						5.0	4.0	27	C280	MP763
37#	AN7115	13	1.2			42		1.5			13			2.1 †	4	16	C243	MP413a
38#	LA4420	13 §	7.0 ⍁			50†*		1.0		20k†				4.5 ♦	4.0	27	C211	MP662
39#	LA4430	13 §	7.0 ⍁			50†*		1.0		20k†				4.0 ♦	4.0	27	C248	
40▼	PTC810-RT	13 §	7.0 ⍁			51†		2.0 ♦						4.8 †	4.0	27		
41#	M51514L	13	8.3			70		400m	1.5	50			6.0	4.5	4.0	17	C245	MP707
42#	M51515L	13	31			70		400m	1.5	50			6.0	4.5	4.0	17	C246	MP683
43▼#	MB3105	14	140m			75		300m		150k†						27		MP718
44	LM381AN*	14 §♦	140m	75kØ†	0.0	104	700m*	100m†		100k	300m	150 †	12 †			07	C115	MP39n
45	LM381N*	14 §♦	140m	75kØ†	0.0	104	1.0 *	100m†		100k	300m	150 †	12 †			07	C115	MP39n
46	LM387AN	14 §♦	140m†	75kØ†		104†	900m	500m		100k†	848m*	150 †	12 †			07	C200	MP491
47	LM387N*	14 §	140m†	75kØ†		104†	2.8	100m†		100k†	300m	150 †	12 †			07	C200	MP491
48	MC1385P	14 §	144m†			52		500m†		5.0k†				6.7 †		48	C124	MP307
49▼	NE542N	14 §♦	168m	100kØ		104†	2.4 †	100m†		100k†	840m*	150 †	32	8.0m%		07	C115a	MP549a
50	NE542V*	14 §♦	168m	100kØ		104†	1.2 †	100m†		100k†	300m	150 †	11			07	C115	MP216
51	LM382A*	14 §♦	224m	75kØ		100†	1.0 †	300m		100k†	300m	150 †	12 †			07	C108	MP153
52	LM382N*	14 §♦	224m	75kØ†	0.0	100	2.8	300m		100k	300m	150 †	12 †			07	C108	MP39n
53	TCA150KB	14 §	280m			43		500m†		50M			4.2	2.6 †	4.0	2F	C102a	MP247
54	TCA150NB	14 §	280m			43	3.0u*†	500m†		50M			4.2	2.6 †	4.0	2F	C102a	MP264
55	TCA150NBT	14 §	280m			43	50u*†	500m†		50M			4.2	2.6 †	4.0	2F	C102a	MP264
56#	LA4201	14 §	280m†			50†		1.0		100k†				2.5 †	8.0	27	C191	MP413
57▼	CA810AQ	14 §	280m			80†	2.0 *	300m†♦		5.0M†	220m		6.4	6.0 †	4.0	4C	C278	MP464
58▼	CA810AQM	14 §	280m			80†	2.0 *	300m†♦		5.0M†	220m		6.4	6.0 †	4.0	4C	C278	MP465
59♦	CA810Q	14 §	280m			80†	2.0 *	300m†♦		5.0M†	220m		6.4	6.0 †	4.0	4C	C163	MP464
60♦	CA810QM	14 §	280m			80†	2.0 *	300m†♦		5.0M†	220m		6.4	6.0 †	4.0	4C	C163	MP465
61#	TBA810	14	280m	20k	40	80†	2.0u*	10		5.0M†		4.0 †		5.5 †	4.0	28	C105	MP325
62#	TBA810A	14	280m	20k	40	80†	2.0u*	10		5.0M†		4.0 †		5.5 †	4.0	28	C105	MP324
63#	TBA810AS	14 §	288m	20k	40	80†	2.0u*†	300m†		5.0M†	220m			6.0 †	4.0	07	C128	MP324
64	TBA810DAS	14 §	288m	20k	40	80†	2.0u*†	300m†		5.0M†	220m			6.0	4.0	07	C128a	MP324
65	TBA810DS	14 §	288m	20k	40	80†	2.0u*†	300m†		5.0M†	220m			6.0	4.0	07	C128a	MP325
66#	TBA810S	14 §	288m	20k	40	80†	2.0u*	300m†		5.0M†	220m			6.0 †	4.0	07	C128	MP325
67#	MB3705M	14	400m†	50k	70	50		1.0		30k	250m			5.0 †	4.0	07	C204	MP595
68	uA706APC	14 §	420m			43		300m†		3.0M†			6.5	4.5		38	C114	MP359
69	uA706BPC	14 §	420m			43		300m†		3.0M†			6.5	4.5		38	C114	MP360
70	MC3321P	14 §	420m	20k†	25 †	87†	18 *†	5.0		500k				1.0	65	07	C207	MP161
71#	TBA641B11	14	448m	20k	40	46†	3.4 †*	10		3.0M†	18			4.0	4.0	17	C083	MP360
72	LM387V*	14 §	500m⍁	75k†	0.0	44†	1.0 †	100m†	75	100k†	300m	150 †	12 §			07	C115a	MP549
73	LM381AA*	14 §	600m⍁	75k†	0.0	44†	1.0 †	100m†	75	100k†	300m	150 †	12 §			07	C115	MP153
74♦	LM381A*	14 §	600m⍁	75k†	0.0	144†	1.0 †	100m†	75	100k†	300m	150 †	12 §			07	C115	MP153
75#	TDA1010	14 §	700m	15k	60	51	1.0m#	300m♦	6.0	20k	4.0m♦	26k		5.5 ♦	4.0	2E	C256	MP702
76▼	ULN2274B*	14 §	700m	100k†		55†*	10 †*	1.0 †		10M†	28m*		9.0 †	1.0	8.0	48	C126	MP408
77▼#	MB3712	14	800m			50		1.0		50k†				5.0	4.0	5E		
78▼#	MB3713	14	800m			50		1.0		50k†				5.0	4.0	5E		
79#	TDA2002AH⍁	14	1.1	10k	40	54†	4.0u*	700m		70k	1.7 *			4.5	4.0	4E	C252	MP695
80#	TDA2002AV⍁	14	1.1	10k	40	54†	4.0u*	700m		70k	1.7 *			4.5	4.0	4E	C252	MP696
81#	TDA2002H⍁	14	1.1	10k	40	54†	4.0u*	700m		70k	1.7 *			4.5	4.0	4E	C252	MP695
82#	TDA2002V⍁	14	1.1	10k	40	54†	4.0u*	700m		70k	1.7 *			4.5	4.0	4E	C252	MP696
83▼	TDA2002AHΔ	14 §	1.1	15k†$	20 †		4.0 *†			70k				4.8	4.0	48	C270	MP730
84▼	TDA2002AVΔ	14 §	1.1	15k†$	20 †		4.0 *†			70k				4.8	4.0	48	C270	MP731
85▼	TDA2002HΔ	14 §	1.1	15k†$	20 †		4.0 *†			70k				4.8	4.0	48	C270	MP730
86▼	TDA2002VΔ	14 §	1.1	15k†$	20 †		4.0 *†			70k				4.8	4.0	48	C270	MP731
87	CA2002	14 §	1.1	15k	40	39	4.0u*	10		70k	55m*			7.0	2.0		C253	MP698
88#	TDA1004A	14 §	1.2	17k	60	47	1.0m#	1.0 ♦	6.0	15k†	6.6m♦	10k		5.5 ♦	4.0	2E	C254	MP660a
89#	TDA1004	14	15 ⍁	10k	50	50†	1.0 *	10		20k†				5.0	4.0	2E	C169	MP660
90	TDA2002AH	14 §	15 ⍁	15k†	40 †	80†	4.0 *†	200m♦†		70k	1.6 *		6.4	4.8	4.0	0F	C238	MP674
91	TDA2002AV	14 §	15 ⍁	15k†	40 †	80†	4.0 *†	200m♦†		70k	1.6 *		6.4	4.8	4.0	0F	C238	MP673
92	TDA2002H	14 §	15 ⍁	15k†	40 †	80†	4.0 *†	200m♦†		70k	1.6 *		6.4	4.8	4.0	0F	C238	MP674
93	TDA2002V	14 §	15 ⍁	15k†	40 †	80†	4.0 *†	200m♦†		70k	1.6 *		6.4	4.8	4.0	0F	C238	MP673
94#	MB3104	15 §	15m	100k	20	50	2.2u*	250m†		200k			2.0		5.1k	27	C208	MP633
95▼#	LA3110	15 §	45m			40*	2.0 *	50m		200k			3.0		47k	17	C271	MP745
96#	LA3115	15 §	200m⍁			40†*	2.0 *	100m		200k†			3.0		47k	27	C247	MP153a
97	TBA790KSB	15 §♦	210m†	25k	40	34		10		1.0M	12		10	2.1	8.0	2C	C102	MP247
98	TBA790KSD	15 §♦	210m†	25k	40	34		10		1.0M	12		13	3.4	8.0	2C	C102	MP264
99	TBA790LSB	15 §♦	210m†	25k	40	34		10		1.0M	12		10	2.1	8.0	2C	C102	MP246
100#	TBA790NB	15 ♦§	210m†	25k†	40 †	34†		10		1.0M	72		13 †	3.5	8.0	27	C102	MP264
101	TBA790NSD	15 §♦	210m†	25k	40	34		10		1.0M	12		13	3.5	8.0	2C	C102	MP264
102#	TCA150KA	15 ♦§	240m†	25k†	40 †	43†	3.0 *	1.0		50M†	1.0 *		8.0 †	3.3	4.0	2F		MP247
103#	TCA150NA	15 ♦§	240m†	25k†	40 †	43†	3.0 *	1.0		50M†	1.0 *		8.0 †	3.3	4.0	2F		MP264
104	CA3048H*	16				53				90k†		1.0k†	2.4 †			5C	C047	CH16k
105#	AN374	16	155m	15k	70	35	60	1.5	2.0	20k	50		2.6	850m	8.0	16	C123	CN27
106	HEPC6004-RT	16 §	290m					5.0					7.0			05	C070	MP131a
107	HEPC6008-RT	16 §♦	290m				-40	10					8.0 †	1.0		15	C086	MP258
108	HEP592-RT	16	400m	50k	10	34	1.5	1.0					12			5C	C073	CN8g
109	DA101♦*	16 §	640m	1.0k†		90†		1.5 ♦			100m♦			6.0 †	4.0	5E	C240	MP677
110	CA3052	16	750m	300k†		53		650m†		90k†	500m	1.0k†	2.0			28	C047	Δ001AC

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BANDWDTH [3] MIN. UPPER (Hz)	MAX. LOWER (Hz)	[4] MIN. VOLT. GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	ΔTEMP GAIN VAR. (dB)	INPUT @25°C MIN. RESIST (Ω)	MAX. VOLTS P-P (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT. P-P (ΔV)	MIN. POWER (W)	@ LOAD RES. (Ω)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1#	AN313	16	960m†			49		1.0		75k†	24			2.5	8.0	27	C174	MP353
2	MC3340P	16	1.2 ⧄			11*										07	C183	MP404
3#	STK040A*	16	2.4 †			41†*		200m		32k†				10 ♦	8.0	38	C251	MP572
4#	TCA830	16	5.0			75†	500uΔ	500m†			6.5m			3.0 †	4.0	4F	C105	MP325
5#	TCA830A	16	5.0			75†	500uΔ	500m†			6.5m			3.0 †	4.0	4F	C105	MP324
6#	LA4220	16 §	7.0 ⧄			50†*		1.0		100k†				3.0 ♦	8.0	27	C211	MP662
7▼#	AN313U	16	8.0 ⧄			50†		1.0		75k†				3.0 †	8.0	16	C174	MP353
8#	LA4051P	17 §	680m			27		1.5		85k†				2.0	8.0	28	C135	MP412
9▼	LM383	18		40kØ	0.0	83		1.0						5.0	4.0		C281	
10#	TBA915	18 §	36m†	25k	100		75 †§	5.0 †		9.0k†		20 †			20	37		TO74
11#	TDA1051	18 ♦§	72m†	20k†	30 †	46†	3.0 *	1.0		50M†	1.0 *		10 †	1.7	8.0	07		MP246
12	HEPC6013-RT	18 §	180m			42					2.5			4.0	8.0	17	C067	MP223
13	ULN2280B	18 §	270m†	100k†		31	60 *†	2.0		140k			12 †	2.0	8.0	27	C127	MP584
14#	TDA1042	18 ♦§	350m†	20k†	30 †	34†	4.0 *	1.0		50M†	1.0 *		12 †	10	2.0	07		MP264
15▼	ULN2278B*	18 §	378m	100k†		65	5.0 †*	5.0		10M†	40m*		12 †	2.0	8.0	48	C126	MP408
16#	ESM222R	18 ♦§	420m†	20k†	30 †	34†	3.0 *	1.0		50M†	1.0 *		12 †	10	2.0	28		CN22
17#	TDA2611A	18 §	450m†	15k			500u#	1.0 ♦		45k	66m♦			4.0 ♦	8.0	2E	C259	MP702
18	LM380N8	18 §	450m	100k†		92		200m†		150k†			14 †	2.5	8.0	07	C109	MP491
19	LM380N	18 §	450m	100k†		92		200m†		150k†			14 †	2.5	8.0	07	C109	MP39n
20#	TCA940	18 §	480m	20k	40	75†	3.0u*†	10		5.0M†				7.0	4.0	07	C131	MP324
21#	AN124	18	650m			45†	4.5 Δ	1.5					1.2	4.0	4.0	26	C172	MP531a
22#	LA4032P	18 §	720m			27		1.5		6.0k		350m†		2.0 †	8.0	28	C134	MP412
23▼	PTC802-RT	18 §	720m	100k		27		1.5		6.0k		350m†		2.5	4.0	28	C134	MP412
24	MC1454G	18	900m†	600k†	40k†	31†*	300mΔ†	5.0		3.0k		400m†		1.0 †	16		C018	CN8d
25#	AN7150	18	930m			52	4.5 Δ	1.0						5.0	4.0	27	C224	MP528a
26#	AN7151	18	930m			52	4.5 Δ	1.0						5.0	4.0	27	C224	MP528b
27	MC1554G	18	1.2	600k†	40k†	31†*	300mΔ†	5.0		7.0k		200m†		1.0	16		C018	CN8d
28	PTC757-RT	18 §	4.5 ⧄					1.5						4.0		27	Z629	MP531
29#	AN214	18	4.5			45		1.5		50k	50m			4.0	4.0	27	C172	MP531
30▼	PTC806-RT	18 §♦	5.0 ⧄	50k	35	42†		1.5 ♦		70k†				3.8 †	4.0	27	C266	MP679
31▼	PTC759-RT	18 §♦	6.0 ⧄			44†	85 §†	600m♦		11k				3.5 †	4.0	37		
32#	MB3708	18 §	6.0 ⧄	20k	70	43	15u*	1.5		25k				5.0	4.0	27	C209	MP634
33#	MB3710	18 §	7.5 ⧄	20k	70	52	7.0u*	1.0		50k				5.0	4.0	27	C210	MP634
34▼	ESM732C	18 §	15 ⧄	20k†$	20 †	60$	4.0 †*	300m			14		14	8.0 †	2.0	0E	C269	MP726
35▼#	LA3120	20 §	80m			40*	2.0 *	50m		200k			4.0		47k	17	C271	MP745
36	LM377N*	20 §	100m			66		1.0		3.0M			6.0 †	2.0		07	C110	MP39n
37	TAA480	20 §	200m			15†		1.0 †			868m		11			07	C032	CN27
38#	LA3122	20 §	200m⧄			40†*	2.0 *	100m		200k†			4.0		47k	27	C247a	MP153a
39	LTA320	20 §	200m	15k	50											C	C162	CH23
40▼	PTC809-RT	20 §♦	1.9 ⧄			51		1.5 ♦						2.0 †	8.0	27	C267	
41#	STK055	20	2.0	100k$	10	26†*		200m		52k†				15 ♦	8.0	38	C195	MP420a
42▼	PTC805-RT*	20 §	5.0 ⧄	32k	50	72		1.0 ♦		80k†				2.0 †	8.0	27	C265	
43▼#	AN272U	20	10 ⧄			40†		1.0						5.0 †	8.0	16	C122	MP384
44#	AN368	22				39		300m			22			12 †	8	17		MP528
45	LM384N	22 §	550m	450k†		32		1.0		150k†	1.0		11 †	5.0 ♦	8.0	07	C109	MP39n
46▼#	LA4230	22 §	1.7			45*	2.0m#	800m		100k				5.0	8.0	17	C275	MP747
47#	STK057	22	2.2	100k$	10	26†*		200m		52k†				20 ♦	8.0	38	C195	MP420a
48#	STK433	23 §	2.7	50k	50			500m		110k†				5.0	8.0	9	C196	MP421
49#	TAA621A11	24	180m	15k	30	74	18u*	100m		110k				4.0	16	07	C089	MP264
50#	TAA621AX1	24	180m	15k	30	74	18u*	100m		110k				4.0	16	07	C089	MP247
51	CA3131EM	24 §	240m†					1.0 †		200k				4.0	8.0		C164a	MP466
52	CA3132EM	24 §	240m†					1.0 †		200k				4.0	8.0		C164	MP466
53	ULN2126A	24 §♦	344m†	100k§		65	1.8 †	500m†		250k†		100 †	850m†	30u	3.0k	38	C080	MP14w
54#	AN264	24	400m			65		100m		50k						27	C103	TO116
55#	TBA800	24	480m	20k	40	39	5.0u†*	500m†		5.0M	80m			5.0 †	16	07	C159	MP325
56#	TBA800A	24 ♦§	480m†	20k†	40 †	39	5.0 *	500m†		5.0M†				4.4	16	07	C159	MP324
57	ULN2281B	24 §	480m†	100k†		31	60 *†	5.0		140k			16 †	4.0	8.0	27	C127	MP584
58#	TDA1056	24 ♦§	500m†	20k†	30 †	46†	4.0 *	1.0		50M†	1.0 *		18 †	72	4.0	07		MP264
59#	ESM231	24 ♦§	600m†	20k†	30 †	46†	4.0 *	1.0		50M†	1.0 *		22 †	18 †	4.0	07		MP264
60	uA783P3	24 §	1.0 ⧄	20k†	20 †	70†	3.0 *†	300m†		5.0M†	616		12 †	5.0	16	4E	C239	MP325a
61	uA783P4	24 §	1.0 ⧄	20k†	20 †	70†	3.0 *†	300m†		5.0M†	616		12 †	5.0	16	4E	C239	MP324a
62#	TDA1037	24	5.5	0.0	20k	70†		800m		1.0M				5.5	16	28	C258	MP703
63	LM378N	24	12			66	3.0u*	100m		3.0M	24		10	4.0	16	07	C198	MP39n
64#	TDA2610⧄	25 §	550m	15k				10		45k†	282m*		12 †	4.0 †	15	2C	C170	MP660
65#	TDA2610A	25 §	550m	15k	60		500u#	10 †		45k†	100m			4.0 †	15	2E	C170	MP660a
66#	STK011	25 §	1.2	30k	30	34		1.0		15k		200m†		6.5	8.0	38	C148	MP417
67#	TDA2611	25 §	1.5	15k			500u#	1.0 ♦		30k	120m♦			5.0 ♦†	15	2E	C257	MP702
68▼#	LA4250	25 §	2.0			45*	2.0m#	800m		100k				7.0	8.0	17	C275	MP747
69#	STK0030	25	2.0 †	20kØ	20	26†*		200m						25	8.0	38	C249	MP417
70#	STK0035	25	2.0 †	20kØ	20	26†*		200m						25	8.0	38	C250	MP417
71	MC1303L*	26	400m	20k†	10 †	68		100m†				10k	11			07	C016	TO116
72	LM1303N*	26	415m			75							4.0			07	C016	MP39n
73#	TDA2610	26	572m	15k	60			10		45k†	100m		12 †	4.0 †	15	2E	C170	MP545
74▼	ESM632C	26 §	15 ⧄	20k†$	20 †	60$	4.0 †*	300m			22		22	14 †	4.0	0E	C269	MP726
75#	STK060	27	2.7	100k$	10	26†*		200m		52k†				30 ♦	8.0	38	C195	MP420a
76#	STK435	27 §	3.2	50k	40			500m		110k†				7.0	8.0	9	C196	MP421
77	LM379S*	28 §	1.8	30k$		66	3.0 *	200m		3.0M	35		14 †	6.0 ♦	8.0	07	C231	MP578
78	PTC740-RT	28 §	3.0 ⧄			31		2.0						2.0 †		27	Z620	MP14ag
79#	TDA2010B82	28	18 ⧄	160k	10	100†		1.0	30	5.0M†	36	4.0 †		10	4.0	4E	C180	MP551
80#	TDA2010B92	28	18 ⧄	160k	10	100†		1.0	30	5.0M†	36	4.0 †		10	4.0	4E	C180	MP551
81#	TDA2010BC2	28	18 ⧄	160k	10	100†		1.0	30	5.0M†	36	4.0 †		10	4.0	4E	C180	MP550
82#	TDA2010BD2	28	18 ⧄	160k	10	100†		1.0	30	5.0M†	36	4.0 †		10	4.0	4E	C180	MP550
83	HEPC6055L-RT	30				75							4.5			07	C016	TO116
84▼#	LA3130	30 §	135m	50k	20	38	2.0 *	50m		200k†			6.0		47k	28	C271	MP745
85	CA3043H§	30 §	260m			72		1.0 †		7.0k†			210m			5C	C026	CH16j
86	CA3043§	30 §	260m	20M	100k	72		1.0 †		7.0k†			210m			5C	C026	CN18
87▼	PTC804-RT§	30 §♦	270m⧄	30k	0	30†		1.5 †								27	C025	MP50
88#	LA3133	30 §	350m⧄			89†*	2.0 *	100m		200k†			6.0		47k	27	C247b	MP153a
89	HEPC6002-RT	30 §	360m			80	3.0 *	250m		75k†		100 †				07	C072	MP131a
90	MM20	30	450m	20k§	20	10	125 Ø	500m	2.0	6.0k	10	5.0	20	500m	100	05		CB⧄
91	AP27	30	450m	20k	30	36	75 Δ	300m		51k†		60		500m†	600		C202a	CB10
92	AT27	30	450m	20k	30	36	75 Δ	300m		330k†		60		500m†	600		C202	CB10
93	1731§	30	450m	20k§	20	40	129 Ø	250m	2.0	100kΔ	8.0	100	20	500m	100	28		MP5y
94	1731A	30	450m	60k	0.0	100	125 Δ	100m		1.0m	30	100	22	800m	75			
95	ABL27	30	500m	35k	10	33	125 Δ	300m		10k	40	60	49	500m	600			
96	PM40A	30	500m	35k	5	33	100 Δ	300m		40k	40	100m	22	15	4.0			
97	AL27A	30	500m	35k	10	47	125 Δ	300m		47k	30	60	49	500m	600			
98	AM27	30	500m	35k	10	65	129 Δ	300m		1.5k	3.0	60	49	500m	600			
99	5100	30	600m	45k	10	0	100 Ø	150m		100k	49	5.0	22	800m	75			MP508t
100	FS21§	30	750m			80	10 *			250kΔ			20	40 %	1.0k	07		MP2r
101#	ESM432	30 ♦	750m†	20k†	30 †	46†	4.0 *	1.0		50M†	1.0 *		22 †	18	4.0	07		MP264
102#	ESM310	30 ♦§	750m†	20k†	30 †	56†	4.0 *	1.0		50M†	1.0 *		22 †	18	4.0	07		MP264
103	MC3320P	30 §	900m	20k†	25 †	89†	18 *†	5.0		500k				1.0	165	07	C207	MP161
104	4820	30	900m	45k	10	10	100 Ø	500m		6.0k	60	600	50	800u	75		C203	CB11
105	4200	30	1.2	45k	10	30	100 Ø	150m		49k	49	5.0	22	800m	75			
106#	STK0040	30	2.4 †	20kØ	20	26†*		200m						35	8.0	38	C249	MP417
107#	STK0045	30	2.4 †	20kØ	20	26†*		200m						35	8.0	38	C250	MP417
108▼	ESM432C	30 §	15 ⧄	20k†$	20 †	60$	4.0 †*	2.0			26		26	15	4.0	0E	C269	MP726
109#	STK020	32	1.6	25k	20	32		1.0		20k				10	8.0	38	C149	MP419
110#	STK015	32 §	1.6	30k	30	32		500m		20k		200m†		10	8.0	38	C148	MP417

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

5. AUDIO AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BANDWDTH 3 MIN. UPPER (Hz)	MAX. LOWER (Hz)	4 MIN. VOLT. GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	ΔTEMP GAIN VAR. (dB)	INPUT @25°C MIN. RESIST (Ω)	MAX. VOLTS P-P (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT. P-P (ΔV)	MIN. POWER (W)	@ LOAD RES. (Ω)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1▼	ESM532C	32 §	15 ⧄	20k†$	20 †	60$	4.0 †*	2.0			28		28	10 †	8.0	0E	C269	MP726
2▼#	STK040*	33	3.9	50k	20			200m		32k				10	8.0	29	C276	MP571a
3#	STK437	33 §	3.9	100k	20			200m		110k†				10	8.0	9	C197	MP572
4#	SI1010G	34	1.7	20k	20	30†	90 †	500m	500m	30k†	10	300m	25	10	8.0	17	C119	MP375
5#	AN272	34	6.0	30k	30	38	60	1.0	2.0	50k	20		6.3	5.0	8.0	16	C122	MP384
6#	TDA2020A82	34	25 ⧄	160k	10	100†		1.0	30	5.0M†	44	4.0 †		15	4.0	4E	C180	MP551
7#	TDA2020A92	34	25 ⧄	160k	10	100†		1.0	30	5.0M†	44	4.0 †		15	4.0	4E	C180	MP551
8#	TDA2020AC2	34	25 ⧄	160k	10	100†		1.0	30	5.0M†	44	4.0 †		15	4.0	4E	C180	MP550
9#	TDA2020AD2	34	25 ⧄	160k	10	100†		1.0	30	5.0M†	44	4.0 †		15	4.0	4E	C180	MP550
10#	AN370	35				90				130k	42					27	C176	MP530
11#	STK0065	35	2.8 †	20kØ	20	26†*		200m						50	8.0	38	C250	MP420a
12#	L045T9	36	30m			83	120 Ø	3.0		2.0M†	24	75 †		26m		28	C075	TO99
13	HEP593-RT	36	1.2	270k		8.0		1.0	35	7.0k		200m†		1.0	16	5C	C018	CN8g
14▼#	STK457	36	4.3	100k	10		1.2m#	100m		32k				10	8.0	2A		
15#	STK016	38 §	1.9	30k	30	32		500m		20k		200m†		15	8.0	38	C148	MP417
16#	STK439	39 §	4.6	100k	20			200m		110k†				10	8.0	38	C197	MP572
17♦	NE540L	40	800m	100k§		70%		1.0	100m†	20k					250	07	C279a	CN37b
18#	STK075	40	1.4	100k	10	26		300m		52k				15	8.0	39	C205	MP420a
19#	1240	40 §	2.2	200k	15	22	7.5 §	2.0	1.0	30k	10	500m	36	12	8.0	38	C178	MP538
20▼#	STK041*	40	5.7	50k	20		1.2m#	200m		32k				15	8.0	29	C276	MP571a
21▼#	STK459	41	5.8	100k	10		1.2m#	100m		32k				15	8.0	2A		
22#	STK070	42	3.0 †	100k	10	30†*		200m		30k†				70 ♦	8.0	38	C215	MP571
23	770-401-201	44	1.1	2.0M		0.0	2.0 Δ			100M	20	500m	20	20m%	1.0k	05		MP44
24	770-401-102	44	1.1	2.0M		6.0	2.0 Δ			10k	10	500m	20	20m%	1.0k	05		MP44
25	770-401-202	44	1.1	2.0M		6.0	2.0 Δ			100M	10	500m	20	20m%	1.0k	05		MP44
26	770-401-105	44	1.1	2.0M		14	2.0 Δ			10k	4.0	500m	20	20m%	1.0k	05		MP44
27	770-401-205	44	1.1	2.0M		14	2.0 Δ			100M	4.0	500m	20	20m%	1.0k	05		MP44
28	770-401-110	44	1.1	2.0M		20	2.0 Δ			10k	2.0	500m	20	20m%	1.0k	05		MP44
29	770-401-210	44	1.1	2.0M		20	2.0 Δ			100M	2.0	500m	20	20m%	1.0k	05		MP44
30	770-401-120	44	1.1	2.0M		26	2.0 Δ			10k	1.0	500m	20	20m%	1.0k	05		MP44
31	770-401-220	44	1.1	2.0M		26	2.0 Δ			100M	1.0	500m	20	20m%	1.0k	05		MP44
32	770-401-150	44	1.1	2.0M		34	2.0 Δ			10k	400m	500m	20	20m%	1.0k	05		MP44
33	770-401-250	44	1.1	2.0M		34	2.0 Δ			100M	400m	500m	20	20m%	1.0k	05		MP44
34#	STK077	44	1.5	100k	10	26		300m		52k				20	8.0	39	C205	MP420a
35	770-401-101	44	1.5	2.0M		0.0	2.0 Δ			10k	20	500m	20	20m%	1.0k	05		MP44
36#	STK024	44 §	2.2	20k	20	29		200m		20k				20	8.0	38	C150	MP420a
37#	STK441*	44	5.2 †			40†*		300m						20 ♦	8.0	38	C196	MP572
38▼#	STK043*	44	6.2	50k	20		1.3m#	200m		32k				20	8.0	29	C276	MP571a
39#	SI1020G	46	2.3	20k	20	30†	90 †	500m	500m	30k†	10	300m	36	20	8.0	17	C120	MP375
40#	SI1020GL	46	2.3	50k	10	30†	90 †	500m	500m	30k†	10	300m	35	20	8.0	17	C158	MP375
41▼#	STK461	46	6.2	100k	10		1.2m#	100m		32k				20	8.0	2A		
42#	STK031	48 §	2.4	20k	20	29		200m		20k				25	8.0	38	C150	MP420a
43#	STK058	48	3.5	100k§	10			200m		52k†				24	8.0	38	C195	MP420a
44▼#	STK443	49 §	7.0	100k	20		800u#	300m		110k				25	8.0	29		
45	360BM	50	200m	15k	50	55*	125 Ø	200m	1.0	50	1.0	50	4.0	2.0m	600	28	A041	OCT
46	SE540L	50	1.0	500k§		80%		500m	100m†	20k†					250	5C		TO100
47	1757§	50	1.3	20k§	20	80	129 Ø	250m	2.0	100kΔ	16	100	40	2.0	100	28		MP5y
48	360M	50	1.5	15k	50	55*	125 Ø	200m	1.0	50	1.0	10	8.0	60m	600	28	A041	OCT
49#	STK078	50	1.7	100k	10	26		200m		52k				24	8.0	39	C205	MP420a
50▼#	STK463	52	7.2	100k	10		1.2m#	100m		32k				25	8.0	2A		
51	XC1387P#2♦	54 ♦	1.2 ⧄	100 Ø	30k†	90†	11 *†	70m†			140m			50		07	C171	MP307
52#	STK080	54	1.9	100k	10	26		200m		52k				30	8.0	39	C206	MP420a
53#	STK035	54 §	2.7	20k	20	29		200m		20k				30	8.0	38	C150	MP420a
54#	SI1030G	54	2.7	20k	20	30†	90 †	500m	500m	40k†	10	300m	44	30	8.0	17	C106	MP329
55#	SI1030GL	54	2.7	50k	10	30†	90 †	500m	500m	30k†	10	300m	44	30	8.0	17	C158	MP375
56	XC1387P#1♦	56	1.2 ⧄	100 Ø†	50k†	90†	10 *†	500m†			167			35		07	C171	MP307
57#	FSS226D	60	1.5	18k†		54*				88k	24		56	1.0 %		58		MP82
58#	FSS226C	60	1.5	30k†		49*				88k	24		56	1.0 %		58		MP82
59#	FSS226B	60	1.5	60k†		43*				88k	24		56	1.0 %		58		MP82
60#	FSS226A	60	1.5	200k†		33*				88k	24		56	1.0 %		58		MP82
61#	STK082	60	2.1	100k	10	26		200m		52k				35	8.0	39	C206	MP420a
62▼#	STK083	64	7.6	100k	10		500 *	200m		52k				40	8.0	29	C277	MP420a
63#	SI1050G	66	3.3	20k	20	30†	90 †	500m	500m	40k†	10	300m	57	50	8.0	17	C106	MP329
64#	SI1050GL	66	3.3	30k	10	30†	90 †	500m	500m	40k†	10	300m	57	50	8	17	C106	MP329
65#	5070	70	2.0	25kØ	15	27	80 §	500m	500m	20k	10	200m	62	50	8.0	08	C101	
66▼#	5070A	70 §	2.1	25k	15		80 §	80m		20k†	2.4	200m†	56	50 †	8.0		C261	MP716
67#	STK050	70	4.2	20k	20	29		200m		30k†				50	8.0	38	C194	MP571
68▼#	STK084	70	8.4	100k	10		500 *	30m		52k				50	8.0	29	C277	MP420a
69	432§	72	1.0	25k	0.0	26*	90 §	500m	1.0	100k	10	100m	60	10	4.0	28		OCT
70▼	NE541PHA	80	2.0	100kØ		70%	10 *†	1.0 ♦	100m†	20k†				55 %		07	C279	MP762a
71▼#	STK086	84	10	100k	10		500 *	30m		52k				70	8.0	29	C277	MP420a
72▼#	2500	90	1.8	30k	5.0k	80†*		100m		15k†		100m†	40	100 †	8.0	07	C260	MP715
73	CA3042§	140 §	270m	4.0M	0.0	30†		5.0		100k†	6.0	250 †	8.4 †		150k	08	C025	MP50
74	CA3041§	140 §	275m	60k	0.0	41†		5.0		100k†	6.0	30k†	22 †			08	C024	MP50

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

6. RF/IF AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)POWER GAIN (4)UNTUNED 3dB BW (5)TYPE No.

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	MIN TRANSFER CHARACTERISTICS @25°C 3 PWR GAIN @ 50Ω LOAD & SOURCE (dB)	SPEC FREQ (Hz)	4 UN-TUNED 3dB BW (Hz)	Y21 (mhos)	Y12 (mhos)	MAX. NF (dB)	INPUT CHAR @25°C MIN. VOLT. P-P (ΔV)	MAX. COND. (mhos)	MAX. CAP. (F)	OUTPUT CHAR. @25°C MIN. VOLT. P-P (ΔV)	MIN. COND. (mhos)	MAX. CAP. (F)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1#	M51177L	3.0	15m	60 *♦	455k	4.5M			9.0 †	2.0		10p	3.0			17	D057	MP535
2	MC1550F	6.0 §	15m	25 †§	60M	100M♦	20m		5.0		2.5m	7.0p		10u	20p	5C	D007	TO91
3	MC1550G	6.0 §	15m	25 †§	60M	100M♦	20m		5.0		2.5m	7.0p		10u	20p	5C	D007	CN10j
4#	SFC2006	6.0 §	26m	32 *♦	1.7M	10M		1.0mØ	3.0 †	7.0m						18	D020	TO99
5#	SL612C	6.0 §	30m	32 *♦	1.7M	10M		1.0mØ	3.0 †	56 †	700m†			33m†		5C	D021	CN11e
6#	LA1201	6.0	54m	79 *												27	D044	MP153a
7#	SFC2008	6.0 §	120m	18 *♦	30M	80M†		1.0mØ	4.0 †	36m	200u†	5.0p†				18	D021	TO99
8#	SL610C	6.0 §	120m	18 *♦	30M	85M		1.0mØ	4.0 †	280 †	700m†					5C	D020	CN11e
9#	SL611C	6.0 §	120m	24 *♦	30M	50M		1.0mØ	4.0 †	140 †	700m†					5C	D020	CN11e
10#	SFC2011	6.0 §	120m	24 *♦	30M	70M†		1.0mØ	4.0 †	36m	100u†	5.0p†				18	D021	TO99
11	HEP590-RT	6.0 §	680m	25 ♦†§	60M	500k	10m	1.0u†	5.0 †	10	2.5m	7.0p			1.9p	2C	D007	CN8g
12#	AN253	7.5	300m		10M						1.7m			100m		27		MP178
13#	AN253P	7.5	300m		10M						1.7m			100m		17	D055	MP681
14#	SL510C	9.0 §	270m	3.5	60M	100M†							5.0			5C	D034a	TO100
15#	SL511C	9.0 §	270m	8.0	60M	100M†							5.0			5C	D034	TO100
16#	AN217	9.5	400m		10M						1.2m			500m		27		MP178
17#	AN217P	9.5	400m		10M						1.2m			500m		17	D054	MP681
18#	AN210	10	110m	192	10M								7.6m			27		TO116
19▼	uPC577H	10 §	170m	60 *♦	10M	10M♦†				6.0 Δ	100u†	5.0p†	1.0 †	33u†	3.0p†	27	D061	MP722
20▼	PTC807-RT§	10 §	200m	13 *♦§	1.0M								80m†			27	D058	MP104h
21	CA3049T§	12 §♦		23 †	200M	500M♦	36m†	8.0u†	4.6 †	5.0	1.5m	2.0p†		503u†	15m♦	5C	B048	Δ006AG
22	CA3102E§	12 §♦		23 †	200M	500M♦	36m†	8.0u†	4.6 †	5.0	1.5m	2.0p†		503u†	15m♦	5C	B049	Δ001AB
23	CA3102H§	12 §♦		23 †	200M	500M♦	36m†	8.0u†	4.6 †	5.0	1.5m	2.0p†		503u†	15m♦	5C	B049	CH⧄
24	CA3004§	12	26m†	10 §	100M	120M♦			9.0	7.0 Δ						5C	B019	CN18
25	CA3005§	12	26m†	16 §	100M	120M♦			9.0	7.0 Δ						5C	B020	CN18
26	CA3005H§	12	26m†	16 §	100M	120M♦			9.0	7.0 Δ						5C	B020	CH16
27	CA3006§	12	26m†	16 §	100M	120M♦			9.0	7.0 Δ						5C	B020	CN18
28#	SL501B	12	68m	23 %♦§	30M	60M	500m†	4.0n†	6.0 †		16m†		2.8	200u†		5H	D013	CN11e
29#	SL502B	12	68m	23 %♦§	30M	60M	500m†	4.0n†	6.0 †		16m†		2.8	200u†		5H	D013	CN11e
30#	SL552B	12	68m	23 %♦§	30M	60M	500m†	4.0n†	6.0 †		16m†		2.8	200u†		5H	D013	FP38
31#	SL551A	12	68m	23 %♦§	30M	80M	500m†	4.0n†	6.0 †		16m†		2.8	200u†		5H	D013	FP38
32#	SL551B	12	68m	24 %♦§	30M	60M	500m†	4.0n†	6.0 †		16m†		2.8	200u†		5H	D013	FP38
33#	SL501A	12	68m	24 %♦§	30M	80M	500m†	4.0n†	6.0 †		16m†		2.8	200u†		5H	D013	CN11e
34#	SL502A	12	68m	24 %♦§	30M	80M	500m†	4.0n†	6.0 †		16m†		2.8	200u†		5H	D013	CN11e
35#	SL552A	12	68m	24 %♦§	30M	80M	500m†	4.0n†	6.0 †		16m†		2.8	200u†		5H	D013	FP38
36	LM703LH	12 §	96m	28 Δ†	100M		24m	2.0u†	8.0 †		1.0m	12p		30u†	4.0p	07	D002	CN1d
37	LM703LN	12 §	96m	28 Δ†	100M		24m	2.0u†	8.0 †		1.0m	12p		30u†	4.0p	07	D002	MP491
38	NE510A#1	12 §	100m	25 †	60M	10M†					400u†	4.5p	25 †	10u†	2.5p†	07	D016	TO116
39	NE511B§	12 §	100m	25 †	60M	10M†	25m†			20 Δ	2.0m†	4.5p†	25 †	10u†	2.5p†	07	D026	MP153
40	SE510A#1	12 §	100m	25 †	60M	10M†					400u†	4.5p	25 †	10u†	2.5p†	5C	D016	TO116
41	SE511B§	12 §	100m	25 †	60M	10M†	25m			20 Δ	2.0m†	4.5p†	25 †	10u†	2.5p†	5C	D026	MP153
42	NE510A#2	12 §	100m	30 †§	60M	10M†					2.0m†	10p†	25 †	10u†	2.5p†	07	D016	TO116
43	SE510A#2	12 §	100m	30 †§	60M	10M†					2.0m†	10p†	25 †	10u†	2.5p†	5C	D016	TO116
44	LM171H	12 §	108m	22 †	100M	250M♦	17m	100u†		10				10u†		5C	D001	CN17j
45	LM271H	12 §	108m	22 †	100M	250M♦	17m	100u†		10				10u†		0A	D001	CN17j
46#	SL503B	12	114m	23 %♦§	30M	60M	500m†	4.0n†	6.0 †		16m†		8.0	200u†		5H	D013	CN11e
47#	SL553B	12	114m	23 %♦§	30M	60M	500m†	4.0n†	6.0 †		16m†		8.0	200u†		5H	D013	FP38
48#	SL503A	12	114m	24 %♦§	30M	80M	500m†	4.0n†	6.0 †		16m†		8.0	200u†		5H	D013	CN11e
49#	SL553A	12	114m	24 %♦§	30M	80M	500m†	4.0n†	6.0 †		16m†		8.0	200u†		5H	D013	FP38
50	CA3053⧄§	12 §♦	120m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	TO99
51	CA3053S§	12 §♦	120m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	CN46
52▼#	BGY35	12 §	156m	21	156M	24M♦				25 Δ	20m		25	20m		09	D060	MP738
53▼#	BGY36	12 §	156m	21	156M	26M♦				25 Δ	20m		25	20m		09	D060	MP738
54▼#	BGY32	12 §	156m	23	88M	20M♦				25 Δ	20m		25	20m		09	D060	MP738
55▼#	BGY33	12 §	156m	23	108M	28M♦				25 Δ	20m		25	20m		09	D060	MP738
56	uA703HC	12 §	170m				29m		8.0 †		1.0m	18p		30u†	4.0p	07	D004	TO78
57	NE510A⧄	12	180m			60M†	25m†	50f%†		20 Δ	3.0m†	10p†		10u†	2.5p†	07	D016	MP153
58	SE510A⧄	12	180m			60M†	25m†	50f%†		20 Δ	3.0m†	10p†		10u†	2.5p†	5C	D016	MP153
59	MC1590F	12 §	200m	40 §	60M	100M	150m	5.0u	6.0 †		400m		14 †	50u		5c	E038	TO91
60	MC1590G	12 §	200m	40 §	60M	100M	150m	5.0u	6.0 †		400m		14 †	50u		5C	E038	TO99
61#	SFC2590M	12 §	200m	40 §	60M	100M	250m	5.0u	6.0 †		400m		14 †	50u		5C		TO99
62	MC1350P	12 §	204m	46 §♦	45M		200m†	1.0u	9.0 †	5.0 Δ	390u†	7.4p	20 †	30u†Δ	1.3p	07	D023	MP161
63	HEPC6059P-RT	12 §	204m	60	45M		160m	1.0u	9.0 †	8.0	390u	8.1p		4.0u	1.3p	07	D023	MP161
64♦#	LA1222*	12	208m	30 *			22m			6.0 Δ		8.0p†	20		3.0p†	27	D045	MP267
65	uA757DM	12 §	240m	65	500k		14m†		8.0 †			2.5p†	8.0 †		2.2p†	5C	D030	MP486b
66	uA757DC	12 §	264m	65	500k		14m†		8.0 †			2.5p†	8.0 †		2.2p†	07	D030	MP486b
67#	AN278	12	270m	75 †	10M											17	D056	MP682
68	MC1352P	12 §	370m	52 †♦	45M		240m†	1.0u	7.5 †	10	700u†	10p	16 †	40u†	2.0p	07	D032	MP25c
69	TBA400	12 §♦	400m⧄	75 *†	36M	40M				240m†		17p†	1.1			18	D052	TO100
70	TBA400D	12 §♦	400m⧄	75 *†	36M	40M				240m†		17p†	1.1			18	D052	MP39
71♦#	BGY22A	13 §	162m	17	446M	60M♦				25 Δ			11			4A		MP398
72♦#	BGY22	13 §	162m	17	446M	132M♦				25 Δ			11			4A		MP398
73	TBA440C	13 §♦	520m							150u†		2.0p†	7.0 †			27	D053	MP252k
74#	TAA661A	15				5.0k				8.0 Δ	400u	8.0p	1.4			0A	D050	TO100
75#	TAA661B	15				5.0k				8.0 Δ	400u	8.0p	1.4			0A	D050	
76#	TAA661C	15				5.0k				8.0 Δ	400u	8.0p	1.4			0A	D050	
77	HEPC6061P-RT	15 §	125m†				8.0			5.0		5.0p				07		TO116
78	ESM1350P	15 §	204m						9.0	18 Δ		8.1p	20		1.3p	07	D049	MP48
79	AH522	15	255m	15 ♦		500M			2.5									CN55
80	MC1349P	15 §	400m	52	45M		520m†	1.5u†	8.5 †	5.0 Δ		6.8p†	6.0 †		1.0p†	07	D040	MP161
81	CA3076§	15	500m	80		20M	6.0 †	100n†				4.0p†	4.0m		1.7p†	5C	D031	Δ002AL
82	CA3076H§	15	500m	80		20M	6.0 †	100n†				4.0p†	4.0m		1.7p†	5C	D031	CH16n
83	TAA930A	15 ♦§	600m†	86 *	5.5M					100m	70u	8.0p	4.0			07		TO116
84	TAA930B	15 ♦§	600m†	86 *	5.5M					100m	70u	8.0p	4.0			07		MP246
85#	TBA440N	15	700m	§	38M				8.0	100u			1.0			26	D051	MP317
86#	TBA440P	15	700m	§	38M				8.0	100u			1.0			26	D051	MP317
87	AHD554	15	1.0	20 ♦		500M			6.5									CN54
88	AHD555	15	1.3	31 ♦		500M			5.0									CN54
89♦#	BGY23A	18 §	90m*	14	425M	60M♦				500mΔ			18			4A		MP398
90♦#	BGY23	18 §	90m*	14	425M	90M♦				500mΔ			18			4A		MP398
91#	L103T1	20	170m			150M	23m		6.5 †	10 Δ	500u	11p			3.0p	07	D004	TO99
92#	L103T2	20	170m			150M	29m		6.5 †	10 Δ	280u	9.0p		20u†	3.0p	5C	D004	TO99
93▼	PTC808-RT	20 §♦	170m	27 ♦*	11M		300u†				15u†	6.0p†	1.7		2.0p†	27	D050	
94	HEPC6001-RT	20 §	1.0	40 †	10M		25m	10u†	7.0 †	10 Δ	400u†	6.0p†	9.8	35u†	2.5p†	07	D036	MP166
95	CA3028B⧄§	24 ♦	220m	35	10M	5.0M†	100m†	300n†	9.0	5.0	600u†	22p†		0.0	1.4p†	5C	B021	TO99
96	CA3028BS§	24 ♦	220m	35	10M	5.0M†	100m†	300n†	9.0	5.0	600u†	22p†		0.0	1.4p†	5C	B021	
97	CA3028A⧄§	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	TO99
98	CA3028AH§	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	CH16f
99	CA3028AL§	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	CH18
100	CA3028AS§	24 ♦	260m	35	10M	5.0M†	100m†	300n†	9.0		600u†	22p†		0.0	1.4p†	5C	B021	
101	AH57	24	1.7	10 ♦		500M			7.0									CN55
102▼#	BGY37	24	5.3	16	50M	260M♦			7.0							29		MP739
103	CA3044§	30 §	190m			45M	15m†	5.1m†								5C	D017	CN10d
104	CA3044V1§	30 §	190m			45M	15m†	5.1m†								5C	D017	CN19
105	CA3043§	30 §	260m	80 †*							140u†	5.0p†				5C	C026	CN18
106	CA3043H§	30 §	260m	80 †*							140u†	5.0p†				5C	C026	CH16j
107▼	PTC804-RT§	30 §♦	270m⧄	68 †*♦	4.5M					150u		5.0p†			4.0p†	27	C025	MP50
108	CA3042§	140 §	270m	67 †*	4.5M					6.0 Δ	90u†	5.0p†	700m†	10u†	4.0p†	08	C025	MP50
109	CA3041§	140 §	275m	67 †*	4.5M					6.0 Δ	90u†	5.0p†	700m†	10u†	4.0p†	08	C024	MP50

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. WIDEBAND AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BW [3] MIN. UPPER (Hz)	MAX. LOWER (Hz)	[4] MIN. VOLTAGE GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	INPUT CHAR. @25°C MIN RESIST (Ω)	MAX P-P VOLTS (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT P-P (ΔV)	LOAD RESIST (Ω)	TRANSIENT CHAR. @25°C MAX TIME RISE (s)	DELAY (s)	TEMP CODE	DRAWINGS CKT.	OUT-LINE Δ=MO
1#	ZN459CT	5.0 §	15m	11M		58	4.0 *	200m	3.5k	1.0	100	1.0				07	E070	TO71
2#	ZN459T	5.0 §	15m	11M		58	4.0 *	200m	3.5k	1.0	100	1.0				5C	E070	TO71
3	WJA74-2	5.0 §	65m†	500M	5.0M	25	5.0		50 †		50 †	630mΔ	50			58		CN55a
4▼	WJA72	5.0 §	150m	500M	5.0M	14	5.0		1.7 ∅		1.7 ∅	14mΔ	50			5A		CN55a
5	CA3020H§	6.0 §		8.0M†		75 Δ†	70 §†	10	1.0k†		200 †		130			5C	C022	CH16d
6#	TAA350A	6.0		12M		65					75 †	10	10k			2C	E031a	TO74
7	CA3021	6.0 §	8.0m	800k	0.0	50 §	8.5 †		4.0k†	6.0	300 †	1.7 †	♦			5C	E013	CN18
8	CA3022	6.0 §	24m	3.0M	0.0	50 §	8.5 †		1.3k†	6.0	120 †	2.0 †	♦			5C	E013	CN18
9	CA3023	6.0 §	48m	10M	0.0	50 §	8.5 †		300 †	6.0	100 †	1.4 †	♦			5C	E013	CN18
10	CA3023H	6.0 §	48m	10M	0.0	50 §	8.5 †		300 †	6.0	100 †	1.4 †				5C	E013	CH16e
11	SE501A	6.0 §	53m	14M		23	7.0	5.0	540	4.0	50	710m	600	16n	15n	5C	E014	MP153
12	SE501K	6.0 §	53m	14M		23	7.0	5.0	540	4.0	50	710m	600	16n	15n	5C	E014	CN10n
13	NE501A	6.0 §	60m	11M		22	8.0	5.0	470	4.0	65	710m	600	20n	15n	07	E014	MP153
14	NE501K	6.0 §	60m	11M		22	8.0	5.0	470	4.0	65	710m	600	20n	15n	07	E014	CN10n
15#	SL550C	6.0 §	90m†	200M	5.0M†	39	2.7		750		350	848m	200			4C	E062	MP495
16#	SL521B	6.0 §	108m	140M	7.0M	11	5.2					1.2 †				5H	E030	CN11e
17#	SL571B	6.0 §	108m	140M	7.0M	11	5.2					1.2 †				5H	E030	FP38
18#	SL521A	6.0 §	108m	150M	7.0M	11	5.2					1.2 †				5H	E030	CN11e
19#	SL571A	6.0 §	108m	150M	7.0M	11	5.2					1.2 †				5H	E030	FP38
20	CTS861	6.0 §	110m	140M	7.0m	11	4.0 †									5C	E032	TO77
21#	SL521C	6.0 §	114m	130M	7.0M	11	5.2					1.2 †				5H	E030	CN11e
22#	SL571C	6.0 §	114m	130M	7.0M	11	5.2					1.2 †				5H	E030	FP38
23	MC1553G	6.0 §	120m	35M†		52	3.0 †	.20	10k†		50	50m†		45n	25n†	5C	E057	CN8j
24	MC1552G	6.0 §	120m	40M†		34	3.0 †	.20	10k†		50	50m†		20n	9.0n†	5C	E056	CN8j
25#	SL550D	6.0 §	120m	200M	5.0M†	35	3.0 †		750		350	848m	200			4C	E062	MP495
26#	SL560C	6.0 §	180m	300M	10M†	11	1.8 †		50		50	1.0m†Δ	50			5C	E071	CN11e
27	MHW401-1	7.5 §		440M	400M	15 Δ						1.5 Δ	50				E064	MP523
28	MHW401-2	7.5 §		470M	440M	15 Δ						1.5 Δ	50				E064	MP523
29	MHW401-3	7.5 §		512M	470M	15 Δ											E064	MP523
30	CA3014	7.5 §	150m	20M†	100k†	65	8.7 †	1.8 †	3.0k†	6.0	31k†					5C	E021	CN17f
31	CA3012	7.5 §	167m	20M†	100k†	65	8.7 †		3.0k†		31k†					5C	E053	CN17f
32	CA3012H	7.5 §	167m	20M	100k†	65	8.7 †		3.0k†							5C	E053	CH16a
33	CA3011	7.5 §	187m	20M†	100k†	65	8.7 †		3.0k†		31k†					5C	E053	CN17f
34	CA3013	7.5 §	187m	20M†	100k†	65	8.7 †	1.8 †	3.0k†	6.0	31k†					5C	E021	CN17f
35	CA3020§	9.0	49m†	8.0M†		75 †Δ	70 §†	10	1.0k†		130 †					5C	C022	CN10n
36	CA3020A§	9.0	49m†	8.0M†		75 †Δ	66 §†	10	1.0k†		200 †					5C	C022	CN10n
37	CA3035V1*	9.0 §	67m	500k†	1.0k	40	7.0		50k†	1.0	270 †	2.0 †	10k			5C	E016	CN19
38	SG1402N§	10 §	85m	40M		23			1.2k†Δ		200	3.0	100k			07	E039	MP39a
39	SG3402J§	10 §	85m	50M†		25 †			1.2k†Δ		300	3.0	100k			07		TO116
40	SG3402N§	10 §	85m	50M†		25 †			1.2k†Δ		300	3.0	100k			07	E039	MP39a
41	SG3402T§	10 §	85m	50M†		25 †			1.2k†Δ		300	3.0	100k			07	E039	TO100
42	SG1402J§	10 §	85m	50M†		35 †			1.2k†Δ		200	3.0	100k			5C		TO116
43	SG1402T§	10 §	85m	50M†		35 †			1.2k†Δ		200	3.0	100k			5C	E039	TO100
44	SG2402J§	10 §	85m	50M†		35 †			1.2k†Δ		200	3.0	100k			07		TO116
45	SG2402N§	10 §	85m	50M†		35 †			1.2k†Δ		200	3.0	100k			07	E039	MP39a
46	SG2402T§	10 §	85m	50M†		35 †			1.2k†Δ		200	3.0	100k			07	E039	TO100
47	MC1545F§	10	110m	50M		16	25 *†		4.0k	10	25 †	1.5	1.0k	10n		5C	E037	TO86
48	MC1545G§	10	110m	50M		16	25 *†		4.0k	10	25 †	1.5	1.0k	10n		5C	E037	CN10m
49	MC1545L§	10	110m	50M		16	25 *†		4.0k	10	25 †	1.5	1.0k	10n		5C	E037	TO116
50	MC1445F§	10	150m	75M†		16	25 *†		3.0k	10	25 †	1.5	1.0k	6.5n†		07	E037	TO86
51	MC1445G§	10	150m	75M†		16	25 *†		3.0k	10	25 †	1.5	1.0k	6.5n†		07	E037	CN10m
52	MC1445L§	10	150m	75M†		16	25 *†		3.0k	10	25 †	1.5	1.0k	6.5n†		07	E037	TO116
53	uPC103A	10 §	220m	25M	45k†	13			10k†			6.0	♦			37	E075	CN18e
54#	SL1030C	10 §	300m	150MΔ	10kΔ	28	8.0		1.0k†		50 †	1.0 †	100	3.0n		37	E054	MP493
55	uPC105A	10 §	380m	25M	45k†	13	16	70 *	10k†			6.0	♦			37	E075	CN18e
56	HEP591-RT	10 ♦	600m	4.5M		60		2.0		6.0	60					5C	E021	CN10c
57#	M5134P§	11	180m													28	E068	MP14j
58	SG733CJ	12		40M†		47	12u†*		4.0k†Δ	2.0 *	20 †	3.0	400	10n†	7.5n†	07	E040	TO116
59	SG733J	12		40M†		49	12u†*		4.0k†Δ	2.0 *	20 †	3.0	400	10n†	7.5n†	5C	E040	TO116
60	MHW602	12 §		174M	146M	20 Δ						20 Δ					E065	MP526
61	MHW601	12 §		174M	146M	21 Δ						13 Δ					E065	MP526
62	MHW709-1	12 §		440M	400M	18 Δ						7.5 Δ					E066	MP527
63	MHW709-2	12 §		470M	440M	18 Δ						7.5 Δ					E066	MP527
64	MHW710-1	12 §		470M	400M	19 Δ						13 Δ					E066	MP527
65	MHW710-2	12 §		470M	400M	19 Δ						13 Δ					E066	MP527
66	CA3002	12	55m†	11M†		24 †	8.0		100k†	7.0	70 †	5.5				5C	D012	CN10d
67	CA3002H	12	55m†	11M†		24 †	8.0		100k†	7.0	70 †	5.5				5C	D012	CH16
68	SG1401J	12 §	110m	40M†		26 *§	8.0		2.5k†		25 †	4.0 †		5.0n†		5C	E005	TO116
69	SG1401T	12 §	110m	40M†		26 *§	8.0		2.5k†		25 †	4.0 †		5.0n†		5C	E005	TO100
70	SG2401J	12 §	110m	40M†		26 *§	8.0		2.5k†		25 †	4.0 †		5.0n†		07	E005	TO116
71	SG2401N	12 §	110m	40M†		26 *§	8.0		2.5k†		25 †	4.0 †		5.0n†		07	E005	MP39a
72	SG2401T	12 §	110m	40M†		26 *§	8.0		2.5k†		25 †	4.0 †		5.0n†		07	E005	TO100
73	SG3401J	12 §	110m	40M†		26 *§	6.0 †		2.5k†		50 †	3.0 †		5.0n†		07	E005	TO116
74	SG3401N	12 §	110m	40M†		26 *§	6.0 †		2.5k†		50 †	3.0 †		5.0n†		07	E005	MP39a
75	SG3401T	12 §	110m	40M†		26 *§	6.0 †		2.5k†		50 †	3.0 †		5.0n†		07	E005	TO100
76	SG1401N	12 §	110m	200M†		20 §*	8.0		2.5k†		25 †	4.0 †		5.0 †		07	E005	MP39a
77	CA3001§	12	120m	16M	0.0	10 §	8.0		50k	5.0	70	5.0 †				5C	B023	CN18
78	CA3001H§	12	120m	16M	0.0	10 §	8.0		50k	5.0	70	5.0 †				5C	B023	CH16
79	SG3001T	12	120m	16M		19	5.0 †		150kΔ†	5.0	45 †Δ	5.0	1.0M			5C	E073	TO101
80	AH56K	12 §	120m	300M	5.0M	9.5	5.0		50		50							MP301
81	733DC	12	144m	40M†		48			4.0k†	2.0	20 †	3.0		10n†	7.5n†	07	E040	MP148
82	733HC	12	144m	40M†		48			4.0k†	2.0	20 †	3.0		10n†	7.5n†	07	E040	TO100
83	733DM	12	144m	40M†		50			4.0k†	2.0	20 †	3.0		10n†	7.5n†	5C	E040	MP148
84	733HM	12	144m	40M†		50			4.0k†	2.0	20 †	3.0		10n†	7.5n†	5C	E040	TO100
85	NE592A∅	12	144m	90M†		38 $*	12 *†		10k	2.0 *	20 †	3.0	2.0k		12n	06	E072	MP307
86	NE592FH	12	144m	90M†		38 $*	12 *†		10k	2.0 *	20 †	3.0	2.0k		12n	06	E072	MP319g
87	NE592K∅	12	144m	90M†		38 $*	12 *†		10k	2.0 *	20 †	3.0	2.0k		12n	06	E072a	CN10q
88	SE592FH	12	144m	90M†		39 $*	12 *†		20k	2.0 *	20 †	3.0	2.0k		10n	5C	E072	MP319g
89	SE592K∅	12	144m	90M†		39 $*	12 *†		20k	2.0 *	20 †	3.0	2.0k		10n	5C	E072a	CN10q
90#	ZLA15	12 §	150m	25M		29 %			25k		400					5A	E012	CN23
91#	ZLA10	12 §	150m	120M		20 %			10k		400					5A	E012	CN23
92#	TAA721	12	160m	40M		38		1.5 †	6.0k†	10	35 †	3.7	5.0k	15n	10n	07	E019	CN73
93#	TAA722	12	160m	40M		38		1.5 †	6.0k†	10	35 †	3.7	5.0k	12n	9.0n	5C	E019	CN73
94	SN7511FA§	12	180m†	3.0M†		47			5.0k†Δ	2.0	800 †	1.5	5.0k			07	B029	FP2t
95	SN7511L§	12	180m†	3.0M†		47			5.0k†Δ	16	800 †	1.5				07	B029	Δ006AD
96	SN7511N§	12	180m†	3.0M†		47			5.0k†Δ	16	800 †	1.5				07	B029a	Δ001AA
97	SN5511FA§	12	180m†	3.0M†		52			5.0k†Δ	4.5	800 †	2.5	5.0k			5C	B029	FP2t
98	SN5511L§	12	180m†	3.0M†		52			5.0k†Δ	16	800 †	2.5				5C	B029	Δ006AD
99	SN5511N§	12	180m†	3.0M†		52			5.0k†Δ	16	800 †	2.5				5C	B029a	Δ001AA
100	CA3040	12	186m	40M	55 †	34 $	11		150k†		125 †	1.4				5C	E035	CN18
101	SN7510FA	12	220m	40M†	0.0	36		2.0	6.0k†Δ	16	35 †			15n		07	E019	FP2t
102	SN7510L	12	220m	40M†		36		2.0	6.0k†Δ	16	35 †			15n		07	E019	CN1
103	SN7510P	12	220m	40M†	0.0	36		2.0	6.0k†Δ	16	35 †			15n		07	E019	MP267
104	SN5510FA	12	220m	40M†	0.0	38		5.0	6.0k†Δ	16	35 †			12n		5A	E019	FP2t
105	SN5510JP	12	220m	40M†	0.0	38		5.0	6.0k†Δ	16	35 †			12n		5A	E019	MP383
106	SN5510L	12	220m	40M†		38		5.0	6.0k†Δ	16	35 †			12n		5A	E019	CN1
107	MC1410G	12	220m	40M†	0.0	60	5.0 †*	2.0 †	6.0k†	2.0 †	35 †Δ	4.5 †	5.0k	15n	9.0n†	07	E008a	CN1k
108	MC1510G	12	220m	40M†	0.0	75	5.0 †*	5.0	6.0k†	2.0 †	35 †Δ	4.5 †	5.0k	12n	9.0n†	5C	E008a	CN1k
109	AH56L	12 §	240m	300M	5.0M	10	5.0		50		50							MP301
110	AH59	12 §	240m	300M	5.0M	11 †	7.0 †		50 †		50 †							CN2n

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BW 3 MIN. UPPER (Hz)	MAX. LOWER (Hz)	4 MIN. VOLTAGE GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	INPUT CHAR. @25°C MIN RESIST (Ω)	MAX P-P VOLTS (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT P-P (ΔV)	LOAD RESIST (Ω)	TRANSIENT CHAR. @25°C MAX TIME RISE (s)	DELAY (s)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	SN7512L	12	270m	80M†	0.0	46 $	3.0u*		6.0k†	2.0	35 †	3.0	5.0k	5.0n†	6.0n†	07	E050	TO100
2	SN7512N	12	270m	80M†	0.0	46 $	3.0u*		6.0k†	2.0	35 †	3.0	5.0k	5.0n†	6.0n†	07	E050	MP39h
3	SN7514L	12	270m	80M†	0.0	46 $	3.0u*		6.0k†	2.0	35 †	3.0	5.0k	5.0n†	6.0n†	07	E050a	TO99
4	SN7514P	12	270m	80M†	0.0	46 $	3.0u*		6.0k†	2.0	35 †	3.0	5.0k	5.0n†	6.0n†	07	E050a	MP267
5	SN5514JP	12	270m	80M†		47			6.0k†	16	35 †	3.0	5.0k	5.0n		5C	E050	MP383
6	SN5512L	12	270m	80M†	0.0	48 $	3.0u*		6.0k†	2.0	35 †	3.0	5.0k	5.0n†	6.0n†	5C	E050	TO100
7	SN5512N	12	270m	80M†	0.0	48 $	3.0u*		6.0k†	2.0	35 †	3.0	5.0k	5.0n†	6.0n†	5C	E050	MP39h
8	SN5514L	12	270m	80M†	0.0	48 $	3.0u*		6.0k†	2.0	35 †	3.0	5.0k	5.0n†	6.0n†	5C	E050a	TO99
9▼	RC733DB	12	288m	40n†	0.0	300 $*	12 *		4.0k†	2.0 *	20	3.0	1.0k	10n†	7.5n†	07	E040	MP39d
10	AM733DC	12	288m	40M†	0.0	46 $*	12u†*		10k	2.0	20 †	3.0		12n	10n	07	E047	MP14ad
11	AM733HC	12	288m	40M†	0.0	46 $*	12u†*		10k	2.0	20 †	3.0		12n	10n	07	E047	TO100
12	SG733CN	12	288m	40M†		47	12u†*		4.0k†Δ	2.0 *	20 †	3.0	400	10n†	7.5n†	07	E040	MP39a
13	SG733CT	12	288m	40M†		47	12u†*		4.0k†Δ	2.0 *	20 †	3.0	400	10n†	7.5n†	07	E040	TO100
14	LM733CD	12	288m	40M†		48	12 *†		10k	2.0	20 †	3.0	2.0k			07	E040	MP490
15	LM733CH	12	288m	40M†		48	12 *†		10k	2.0	20 †	3.0	2.0k			07	E040	CN17j
16#	MB3501K	12	288m	40M†		48				2.0 *		3.0		10n†	7.5n†	07	E069	CN17c
17	MC1733CG	12	288m	40M†		48 *	12u*		4.0k†	2.0 *	20 †	3.0	1.0k	10n†	7.5n†	07	E040	TO100
18	MC1733CL	12	288m	40M†		48 *	12u*		4.0k†	2.0 *	20 †	3.0	1.0k	10n†	7.5n†	07	E040	MP139a
19	NE592A	12	288m	40M		48	12		4.0k	2.0	20	3.0	2.0k	10n	7.5n	07		MP153
20	NE592K	12	288m	40M		48	12		4.0k	2.0	20	3.0	2.0k	10n	7.5n	07		CN37
21	uA733CA	12	288m	40M†		48 $*	12 †*		4.0k†	2.0 *	20 †	3.0	2.0k	10n†	7.5n†	07	E040	MP153
22	uA733CF	12	288m	40M†		48 $*	12 †*		4.0k†	2.0 *	20 †	3.0	2.0k	10n†	7.5n†	07	E040	MP152
23	uA733CK	12	288m	40M†		48 $*	12 †*		4.0k†	2.0 *	20 †	3.0	2.0k	10n†	7.5n†	07	E040	CN37
24	AM733DM	12	288m	40M†	0.0	49 $*	12u†*		20k	2.0	20 †	3.0		10n	10n	5C	E047	MP14ad
25	AM733FM	12	288m	40M†		49 $*	12u†*	2.0	20k	2.0	20 †	3.0		10n	10n	5C	E047	FP18
26	AM733HM	12	288m	40M†	0.0	49 $*	12u†*		20k	2.0	20 †	3.0		10n	10n	5C	E047	TO100
27	MC1733G	12	288m	40M†		49 *	12u*		4.0k†	2.0 *	20 †	3.0	1.0k	10n†	7.5n†	5C	E040	TO100
28	MC1733L	12	288m	40M†		49 *	12u*		4.0k†	2.0 *	20 †	3.0	1.0k	10n†	7.5n†	5C	E040	MP139a
29	SG733T	12	288m	40M†		49	12u†*		4.0k†Δ	2.0 *	20 †	3.0	400	10n†	7.5n†	5C	E040	TO100
30	LM733D	12	288m	40M†		50	12 *†		20k	2.0	20 †	3.0	2.0k			5C	E040	MP490
31	LM733H	12	288m	40M†		50	12 *†		20k	2.0	20 †	3.0	2.0k			5C	E040	CN17j
32	SE592K	12	288m	40M		50	12		4.0k	2.0	20	3.0	2.0k	10n	7.5n	5C		CN37
33	uA733A	12	288m	40M†		50 $*	12 †*		4.0k†	2.0 *	20 †	3.0	2.0k	10n†	7.5n†	5C	E040	MP153
34	uA733F	12	288m	40M†		50 $*	12 †*		4.0k†	2.0 *	20 †	3.0	2.0k	10n†	7.5n†	5C	E040	MP152
35	uA733K	12	288m	40M†		50 $*	12 †*		4.0k†	2.0 *	20 †	3.0	2.0k	10n†	7.5n†	5C	E040	CN37
36▼	RM733CQ	12	288m	40M†	0.0	250 $*	12 *		4.0k	2.0 *	20	3.0	1.0k	10n†	7.5n†	5C	E040	FP2z
37	uA733MJ	12	288m	50M†		46			4.0k†	2.0	20 †	3.0	2.0k		7.5n†	5C	B046	MP139b
38	uA733ML	12	288m	50M†		46			4.0k†	2.0	20 †	3.0	2.0k		7.5n†	5C	B046	CN1k
39	uA733MU	12	288m	50M†		46			4.0k†	2.0	20 †	3.0	2.0k		7.5n†	5C	B046a	Δ004AE
40	SN72733FA§	12	288m	50M†		47			4.0k†	2.0	20 †	3.0	2.0k	10n†		07	B046	FP2t
41	SN72733J§	12	288m	50M†		47			4.0k†	2.0	20 †	3.0	2.0k	10n†		07	B046	TO116
42	SN72733L§	12	288m	50M†		48			4.0k†	10	20 †	3.0	2.0k	10n†	7.5n†	07	B046	TO100
43	SN72733N§	12	288m	50M†		48			4.0k†	10	20 †	3.0	2.0k	10n†	7.5n†	07	B046	MP39h
44	uA733CJ	12	288m	50M†		48			4.0k†	2.0	20 †	3.0	2.0k		7.5n†	07	B046	MP139b
45	uA733CL	12	288m	50M†		48			4.0k†	2.0	20 †	3.0	2.0k		7.5n†	07	B046	CN1k
46	uA733CN	12	288m	50M†		48			4.0k†	2.0	20 †	3.0	2.0k		7.5n†	07	B046	MP598
47	uA733CU	12	288m	50M†		48			4.0k†	2.0	20 †	3.0	2.0k		7.5n†	07	B046a	Δ004AE
48	SN52733FA§	12	288m	50M†		49			4.0k†	2.0	20 †	3.0	2.0k	10n†		5C	B046	FP2t
49	SN52733J§	12	288m	50M†		49			4.0k†	2.0	20 †	3.0	2.0k	10n†		5C	B046	TO116
50	SN52733L§	12	288m	50M†		50			4.0k†	10	20 †	3.0	2.0k	10n†	7.5n†	5C	B046	TO100
51	N5733G	12	288m	70MØ	0.0	52 $			20k	12	20 Δ	3.0		10n	10n	07		TO116
52	RC733DC	12	288m	120M	0.0	10 $*	12 *		4.0k†	2.0 *	20	3.0	1.0k	10n†	7.5n†	5C	E040	MP40
53	RM733DC	12	288m	120M	0.0	10 $*	12 *		4.0k†	2.0 *	20	3.0	1.0k	10n†	7.5n†	07	E040	MP40
54	uA733DC	12	288m	120M†		50	12 *†		4.0k†	2.0	20 †	3.0	50	10n	7.5n†	07	E040	MP486b
55	uA733DM	12	288m	120M†		50	12 *†		4.0k†	2.0	20 †	3.0	50	10n	7.5n†	5C	E040	MP486b
56	uA733FM	12	288m	120M†		50	12 *†		4.0k†	2.0	20 †	3.0	50	10n	7.5n†	5C	E040	FP2w
57	uA733HC	12	288m	120M†		50	12 *†		4.0k†	2.0	20 †	3.0	50	10n	7.5n†	07	E040	TO100
58	uA733HM	12	288m	120M†		50	12 *†		4.0k†	2.0	20 †	3.0	50	10n	7.5n†	5C	E040	TO100
59	AH1020	12 §	480m	500M	100M	28 †	5.0		50		50							MP302
60	RC733T	12	500m	120M†	0.0	18 $*	12 †*		10k	2.0 *	20 †	3.0	400	12n	10n	07	E040	TO100
61	RM733T	12	500m	120M†	0.0	19 $*	12 †*		20k	2.0 *	20 †	3.0	400	10n	10n	5C	E040	TO100
62	MHW603	13		160M	140M†	21 Δ		3.2									E065	MP526
63#	TBA440	13 §	234m	9.0M†		50 §			1.9k†	150u†	25k	4.0 †				27	E051	MP252d
64	MHW591	13 §	4.6	250M	1.0M	34 Δ	5.0	30 *	2.0 Ø†		50 †	300mΔ†	50			28	E074	MP558
65	MHW593	13 §	4.6	400M	10M	33 Δ	5.5	15 *	2.0 Ø†		50 †	300mΔ†	50			28	E074	MP558
66#	SN2600	14 §	120m	4.5M†		23 *										5C	E028	TO84
67#	SN2610	14 §	120m	6.0M†		14 *	4.0									5C	E029	TO84
68	WJA51	15 §	90m†	400M	10M	14	3.0		50 †		50 †	1.6mΔ	50			58		CN55a
69	WJA71	15 §	135m†	200M	5.0M	16	2.5		50 †		50 †	501mΔ	50			58		CN55a
70	WJA3	15 §	135m†	500M	5.0M	14	4.0		50 †		50 †	630mΔ	50			58		CN55a
71	WJA4	15 §	135m†	500M	5.0M	14	4.0		50 †		50 †	630mΔ	50			58		FP33
72	WJA1	15 §	135m†	500M	5.0M	15	3.0		50 †		50 †	630mΔ	50			58		CN55a
73	WJA11	15 §	135m†	1.0G	5.0M	14	4.0		50 †		50 †	501mΔ	50			58		CN55a
74	WJA11-1	15 §	135m†	1.0G	5.0M	14	3.5		50 †		50 †	501mΔ	50			58		CN55a
75	WJA13	15 §	135m†	1.0G	5.0M	14	5.0		50 †		50 †	501mΔ	50			58		CN55a
76▼	WJA11-2	15 §	135m	1.0G	5.0M	15	3.0		1.9 Ø		1.9 Ø		50			5A		CN55a
77▼	WJA31	15 §	135m	2.0G	10M	12	4.0		2.0 Ø		2.3 Ø	400uΔ	50			5A		CN55a
78▼	9913	15	150m	30M	0.0	20 *	2.5		100G	3.0	50	10	1.0k	35n	10n	5C		MP463
79	WJA53	15 §	180m†	500M	10M	14	3.5		50 †		50 †	1.5mΔ	50			58		CN55a
80▼	WJA75-3	15 §	210m	500M	10M	19	2.5		1.8 Ø		1.8 Ø	1.5mΔ	50			5A		CN55a
81♦	WJA63	15 §	210m	1.0G	5.0M	15	4.0		1.9 Ø		1.9 Ø	1.5mΔ	50			5A		CN55a
82	WJA23	15 §	210m†	1.5G	5.0M	10	5.5		50 †		50 †	1.5mΔ	50			58		CN55a
83	WJA33	15 §	210m†	2.0G	10M	8.5	6.5		50 †		50 †	1.5mΔ	50			58		CN55a
84▼	WJ6200-372	15 §	270m†	400M	10M	28	3.5		2.5 Ø		2.5 Ø	1.5mΔ	50			57		MP699
85	WJA73	15 §	270m†	500M	5.0M	30	4.3		50 †		50 †	1.5mΔ	50			58		CN55a
86▼	WJDA31	15 §	345m	2.0G	10M	21	4.2		2.0 Ø		2.0 Ø	800uΔ	50			5A		MP750
87▼	WJEA2	15 §	360m	400M	5.0M	13	5.7		1.8 †Ø		1.8 †Ø	4.5mΔ	50			5A		CN69
88▼	WJEA5	15 §	360m	400M	5.0M	13	5.7		1.8 †Ø		1.8 †Ø	4.5mΔ	50			5A		CN69
89	WJA5-5	15 §	360m†	500M	5.0M	14	5.5		50 †		50 †	5.0mΔ	50			58		CN55a
90▼	WJA75	15 §	360m	500M	5.0M	20	3.0		1.8 Ø		1.8 Ø	5.0mΔ	50			5A		CN55a
91	WJA5-6	15 §	360m†	600M	5.0M	15	5.5		50 †		50 †	5.0mΔ	50			58		CN55a
92	WJA15	15 §	360m†	1.0G	5.0M	14	6.5		50 †		50 †	5.0mΔ	50			58		CN55a
93	WJA25	15 §	360m†	1.5G	5.0M	9.0	7.5		50 †		50 †	5.0mΔ	50			58		CN55a
94	WJA35	15 §	360m†	2.0G	10M	8.0	8.0		50 †		50 †	5.0mΔ	50			58		CN55a
95	WJA5	15 §	375m†	500M	5.0M	14	5.5		50 †		50 †	5.0mΔ	50			58		CN55a
96	WJA6	15 §	375m†	500M	5.0M	14	5.5		50 †		50 †	5.0mΔ	50			58		FP33
97	WJ6203-322	15 §	390m†	2.0G	10M	17	7.0		50 †		50 †	1.5mΔ	50			57		MP611
98	WJA55	15 §	450m†	500M	10M	14	6.0		50 †		50 †	7.9mΔ	50			58		CN55a
99	WJA65	15 §	450m†	1.0G	10M	9.5	7.5		50 †		50 †	6.3mΔ	50			58		CN55a
100▼	WJDA1	15 §	495m	500M	5.0M	29	3.0		1.7 Ø		1.7 Ø	4.0mΔ	50			5A		MP750
101	WJ6201-342	15 §	495m†	1.0G	5.0M	27	4.0		50 †		50 †	3.9mΔ	50			57		MP611
102	WJ6201-352	15 §	495m†	1.0G	5.0M	27	3.5		50 †		50 †	3.9mΔ	50			57		MP611
103▼	WJDA11	15 §	495m	1.0G	10M	28	3.5		2.0 Ø		2.0 Ø	3.5mΔ	50			5A		MP750
104▼	WJ6202-345	15 §	495m†	1.5G	10M	21	5.0		2.5 Ø		2.5 Ø	3.0mΔ	50			57		MP699
105	WJA54	15 §	510m†	400M	5.0M	26	5.5		50 †		50 †	4.4mΔ	50			58		CN55a
106	WJ6200-352	15 §	510m†	500M	5.0M	28	3.0		50 †		50 †	5.0mΔ	50			57		MP611
107▼	WJA24	15 §	510m	1.5G	5.0M	19	5.3		2.0 Ø		2.0 Ø	5.0mΔ	50			5A		CN55a
108▼	WJA34	15 §	510m	2.0G	100M	15	6.5		1.9 Ø		1.9 Ø	4.0mΔ	50			5A		CN55a
109▼	WJA34-1	15 §	510m	2.3G	1.5G	13	6.8		2.0 Ø		2.0 Ø	4.5mΔ	50			5A		CN55a
110▼	WJA64	15 §	525m	1.2G	10M	24	4.3		1.9 Ø		1.9 Ø	5.0mΔ	50			5A		CN55a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BW [3] MIN. UPPER (Hz)	MAX. LOWER (Hz)	[4] MIN. VOLTAGE GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	INPUT CHAR. @25°C MIN RESIST (Ω)	MAX P-P VOLTS (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT P-P (ΔV)	LOAD RESIST (Ω)	TRANSIENT CHAR. @25°C MAX TIME RISE (s)	DELAY (s)	TEMP CODE -+	CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	WJ6200-373	15 §	540m†	400M	10M	28	3.5		2.5 ∅		2.5 ∅	8.0mΔ	50			57		MP699
2▼	WJ6203-327	15 §	570m†	2.0G	10M	17	5.5		2.5 ∅		2.5 ∅	5.0mΔ	50			57		MP699
3	WJ6203-324	15 §	585m†	2.0G	10M	26	7.0		50 †		50 †	1.5mΔ	50			57		MP611
4	WJA74-1	15 §	600m†	250M	5.0M	30	5.0		50 †		50 †	5.0mΔ	50			58		CN55a
5▼	WJ6200-375	15 §	600m†	400M	10M	40	3.5		2.5 ∅		2.5 ∅	4.5mΔ	50			57		MP699
6	WJA74	15 §	600m†	500M	5.0M	28	5.5		50 †		50 †	5.0mΔ	50			58		CN55a
7▼	WJ6200-376	15 §	630m†	400M	10M	42	3.5		2.5 ∅		2.5 ∅	8.0mΔ	50			57		MP700
8	WJA18	15 §	645m†	800M	10M	14	6.5		50 †		50 †	25mΔ	50			58		CN55a
9▼	WJA57	15 §	660m	500M	10M	14	6.0		2.0 ∅		2.0 ∅	20mΔ	50			5A		CN55a
10	WJA17	15 §	660m†	1.0G	10M	10	7.5		50 †		50 †	25mΔ	50			58		CN55a
11	WJA28	15 §	675m†	1.5G	10M	10	7.0		50 †		50 †	25mΔ	50			58		CN55a
12	WJA37	15 §	675m†	2.0G	10M	8.0	8.0		50 †		50 †	25mΔ	50			58		CN55a
13	WJ6201-313	15 §	720m†	1.0G	5.0M	27	6.5		50 †		50 †	5.0mΔ	50			57		MP611
14	WJA77	15 §	750m†	500M	5.0M	16	6.0		50 †		50 †	31mΔ	50			58		CN55a
15	WJ6200-313	15 §	750m†	500M	5.0M	27	5.5		50 †		50 †	5.0mΔ	50			57		MP611
16	WJA77-1	15 §	750m†	600M	5.0M	15	6.5		50 †		50 †	31mΔ	50			58		CN55a
17	WJA27	15 §	750m†	1.5G	10M	7.5	9.0		50 †		50 †	25mΔ	50			58		CN55a
18	WJ6203-326	15 §	780m†	2.0G	10M	35	7.0		50 †		50 †	1.5mΔ	50			57		MP611
19	WJ6201-344	15 §	855m†	1.0G	5.0M	41	4.0		50 †		50 †	5.0mΔ	50			57		MP611
20	WJ6201-354	15 §	855m†	1.0G	5.0M	41	3.5		50 †		50 †	3.9mΔ	50			57		MP611
21▼	WJ6202-346	15 §	855m†	1.5G	10M	31	5.0		2.5 ∅		2.5 ∅	5.0mΔ	50			57		MP700
22	WJ6201-320	15 §	870m†	1.0G	5.0M	25	5.0		50 †		50 †	15mΔ	50			57		MP611
23	WJ6202-332	15 §	870m†	1.5G	5.0M	18	6.0		50 †		50 †	3.9mΔ	50			57		MP611
24	WJ6200-354	15 §	885m†	500M	5.0M	43	3.0		50 †		50 †	5.0mΔ	50			57		MP611
25	WJ6203-332	15 §	885m†	2.0G	10M	16	7.0		50 †		50 †	7.9mΔ	50			57		MP611
26▼	WJCR21-001	15 §	900m	2.3G	1.7G	12	2.5		2.0 ∅		2.0 ∅	6.0mΔ	50			58		MP760
27▼	WJCR21-003	15 §	900m	2.3G	2.2G	12	2.3		2.0 ∅		2.0 ∅	10mΔ	50			58		MP760
28▼	WJR21-001	15 §	900m	2.3G	1.7G	12	2.5		2.0 ∅		2.0 ∅	6.0mΔ	50			58		MP758
29▼	WJR21-003	15 §	900m	2.3G	2.2G	12	2.3		2.0 ∅		2.0 ∅	10mΔ	50			58		MP758
30▼	WJ6200-379	15 §	930m†	400M	10M	54	3.5		2.5 ∅		2.5 ∅	8.0mΔ	50			57		MP700
31	WJA76	15 §	930m†	500M	5.0M	27	5.5		50 †		50 †	25mΔ	50			58		CN55a
32	WJ6202-334	15 §	930m†	1.5G	5.0M	27	6.0		50 †		50 †	3.9mΔ	50			57		MP611
33▼	WJ6203-328	15 §	930m†	2.0G	10M	26	5.5		2.5 ∅		2.5 ∅	5.0mΔ	50			57		MP700
34▼	WJ6200-395	15 §	960m†	400M	10M	40	6.0		2.5 ∅		2.5 ∅	8.0mΔ	50			57		MP700
35	WJA58	15 §	975m†	500M	5.0M	10	6.0		50 †		50 †	63mΔ	50			58		CN55a
36▼	WJA56	15 §	1.0	400M	5.0M	24	7.0		2.0 ∅		2.0 ∅	18mΔ	50			5A		CN55a
37	WJ6201-312	15 §	1.0 †	1.0G	5.0M	22	6.5		50 †		50 †	19mΔ	50			57		MP611
38	WJ6201-315	15 §	1.0 †	1.0G	5.0M	41	6.5		50 †		50 †	5.0mΔ	50			57		MP611
39	WJ6202-314	15 §	1.0 †	1.5G	5.0M	26	8.0		50 †		50 †	5.0mΔ	50			57		MP611
40▼	WJ6203-313	15 §	1.0 †	2.0G	10M	17	6.5		2.5 ∅		2.5 ∅	25mΔ	50			57		MP699
41	WJ6203-334	15 §	1.0 †	2.0G	10M	24	7.0		50 †		50 †	7.9mΔ	50			57		MP611
42	WJ6200-318	15 §	1.1 †	500M	5.0M	29	5.5		50 †		50 †	25mΔ	50			57		MP611
43	WJ6201-343	15 §	1.1 †	1.0G	5.0M	37	4.0		50 †		50 †	15mΔ	50			57		MP611
44	WJ6201-353	15 §	1.1 †	1.0G	5.0M	37	3.5		50 †		50 †	15mΔ	50			57		MP611
45	WJ6202-313	15 §	1.1 †	1.5G	5.0M	15	8.0		50 †		50 †	19mΔ	50			57		MP611
46▼	WJ6200-374	15 §	1.2 †	400M	10M	38	3.5		2.5 ∅		2.5 ∅	15mΔ	50			57		MP700
47	WJ6200-358	15 §	1.2 †	500M	5.0M	44	3.0		50 †		50 †	25mΔ	50			57		MP611
48	WJ6200-321	15 §	1.2 †	500M	5.0M	55	5.5		50 †		50 †	3.9mΔ	50			57		MP611
49	WJ6200-356	15 §	1.2 †	500M	5.0M	57	3.0		50 †		50 †	5.0mΔ	50			57		MP611
50	WJ6201-346	15 §	1.2 †	1.0G	5.0M	55	4.0		50 †		50 †	5.0mΔ	50			57		MP611
51	WJ6201-356	15 §	1.2 †	1.0G	5.0M	55	3.5		50 †		50 †	5.0mΔ	50			57		MP611
52	WJ6202-336	15 §	1.2 †	1.5G	5.0M	36	6.0		50 †		50 †	3.9mΔ	50			57		MP611
53▼	WJ6202-347	15 §	1.2 †	1.5G	10M	40	5.0		2.5 ∅		2.5 ∅	5.0mΔ	50			57		MP700
54	WJA79	15 §	1.3 †	250M	5.0M	13	6.5		50 †		50 †	100mΔ	50			58		CN55a
55	WJA59	15 §	1.3 †	500M	5.0M	10	6.5		50 †		50 †	100mΔ	50			58		CN55a
56	WJ6200-319	15 §	1.3 †	500M	5.0M	43	5.5		50 †		50 †	25mΔ	50			57		MP611
57	WJA59-1	15 §	1.3 †	700M	10M	9.5	7.5		50 †		50 †	100mΔ	50			58		CN55a
58	WJ6201-314	15 §	1.3 †	1.0G	5.0M	36	6.5		50 †		50 †	19mΔ	50			57		MP611
59	WJ6202-333	15 §	1.3 †	1.5G	5.0M	25	6.0		50 †		50 †	19mΔ	50			57		MP611
60	WJ6203-336	15 §	1.3 †	2.0G	10M	33	7.0		50 †		50 †	7.9mΔ	50			57		MP611
61▼	WJ6203-329	15 §	1.3 †	2.0G	10M	35	5.5		2.5 ∅		2.5 ∅	5.0mΔ	50			57		MP700
62▼	WJ6200-394	15 §	1.4 †	400M	10M	36	6.0		2.5 ∅		2.5 ∅	45mΔ	50			57		MP699
63	WJ6201-318	15 §	1.4 †	1.0G	5.0M	55	6.5		50 †		50 †	5.0mΔ	50			57		MP611
64	WJA29#2	15 §	1.4 †	1.2G	10M	4.5	13		50 †		50 †	100mΔ	50			58		CN55a
65	WJA29#1	15 §	1.4 †	1.5G	10M	3.5	13		50 †		50 †	100mΔ	50			58		CN55a
66	WJ6202-315	15 §	1.4 †	1.5G	5.0M	24	8.0		50 †		50 †	19mΔ	50			57		MP611
67	WJ6202-316	15 §	1.4 †	1.5G	5.0M	35	8.0		50 †		50 †	5.0mΔ	50			57		MP611
68▼	WJ6203-314	15 §	1.4 †	2.0G	10M	26	6.5		2.5 ∅		2.5 ∅	25mΔ	50			57		MP700
69▼	WJ6200-377	15 §	1.5 †	400M	10M	50	3.5		2.5 ∅		2.5 ∅	45mΔ	50			57		MP700
70	WJ6200-357	15 §	1.5 †	500M	5.0M	30	3.0		50 †		50 †	25mΔ	50			57		MP611
71	WJA19	15 §	1.5 †	1.0G	10M	6.0	12		50 †		50 †	100mΔ	50			58		CN55a
72▼	WJCR21-002	15 §	1.5	2.3G	1.7G	20	2.5		2.0 ∅		2.0 ∅	6.0mΔ	50			58		MP761
73▼	WJR21-002	15 §	1.5	2.3G	1.7G	20	2.5		2.0 ∅		2.0 ∅	6.0mΔ	50			58		MP759
74▼	WJCR21-004	15 §	1.5	2.3G	2.2G	23	2.3		2.0 ∅		2.0 ∅	10mΔ	50			58		MP761
75▼	WJR21-004	15 §	1.5	2.3G	2.2G	23	2.3		2.0 ∅		2.0 ∅	10mΔ	50			58		MP759
76▼	WJCR21-005	15 §	1.5	3.1G	2.7G	20	2.7		2.0 ∅		2.0 ∅	13mΔ	50			58		MP761
77▼	WJCR21-006	15 §	1.5	3.1G	1.7G	20	3.0		2.0 ∅		2.0 ∅	6.0mΔ	50			58		MP761
78▼	WJR21-005	15 §	1.5	3.1G	2.7G	20	2.7		2.0 ∅		2.0 ∅	13mΔ	50			58		MP759
79▼	WJR21-006	15 §	1.5	3.1G	1.7G	20	3.0		2.0 ∅		2.0 ∅	6.0mΔ	50			58		MP759
80	WJ6202-335	15 §	1.6 †	1.5G	5.0M	34	6.0		50 †		50 †	19mΔ	50			57		MP611
81▼	WJ6202-348	15 §	1.6 †	1.5G	10M	41	5.0		2.5 ∅		2.5 ∅	25mΔ	50			57		MP700
82▼	WJ6203-330	15 §	1.6 †	2.0G	10M	34	5.5		2.5 ∅		2.5 ∅	25mΔ	50			57		MP700
83	WJ6201-317	15 §	1.7 †	1.0G	5.0M	51	6.5		50 †		50 †	19mΔ	50			57		MP611
84▼	WJ6203-315	15 §	1.7 †	2.0G	10M	35	6.5		2.5 ∅		2.5 ∅	25mΔ	50			57		MP700
85	WJ6202-317	15 §	1.8 †	1.5G	5.0M	33	8.0		50 †		50 †	19mΔ	50			57		MP611
86▼	WJCR41-001	15 §	1.8	5.9G	5.2G	19	3.8		2.0 ∅		2.0 ∅	5.0mΔ	50			58		MP761
87▼	WJR41-001	15 §	1.8	5.9G	5.2G	19	3.8		2.0 ∅		2.0 ∅	5.0mΔ	50			58		MP759
88▼	WJ6200-384	15 §	1.9 †	500M	10M	38	4.0		2.5 ∅		2.5 ∅	80mΔ	50			57		MP700
89▼	WJ6200-378	15 §	2.0 †	400M	10M	52	3.5		2.5 ∅		2.5 ∅	80mΔ	50			57		MP700
90	WJ6200-312	15 §	2.0 †	500M	5.0M	23	5.5		50 †		50 †	31mΔ	50			57		MP611
91	WJ6200-353	15 §	2.1 †	500M	5.0M	38	3.0		50 †		50 †	31mΔ	50			57		MP611
92	WJ6201-302	15 §	2.1 †	1.0G	5.0M	15	8.5		50 †		50 †	79mΔ	50			57		MP611
93	WJ6202-302	15 §	2.1 †	1.5G	5.0M	10	10		50 †		50 †	39mΔ	50			57		MP611
94▼	WJ6200-396	15 §	2.2 †	400M	10M	50	6.0		2.5 ∅		2.5 ∅	80mΔ	50			57		MP700
95	WJ6201-323	15 §	2.3 †	1.0G	5.0M	31	5.0		50 †		50 †	50mΔ	50			57		MP611
96▼	WJ6200-380	15 §	2.4 †	400M	10M	64	3.5		2.5 ∅		2.5 ∅	80mΔ	50			57		MP700
97	WJ6200-314	15 §	2.4 †	500M	5.0M	36	5.5		50 †		50 †	31mΔ	50			57		MP611
98	WJ6200-355	15 §	2.5 †	500M	5.0M	53	3.0		50 †		50 †	31mΔ	50			57		MP611
99	WJ6201-319	15 §	2.6 †	1.0G	5.0M	32	6.5		50 †		50 †	79mΔ	50			57		MP611
100	WJ6201-355	15 §	2.6 †	1.0G	5.0M	43	3.5		50 †		50 †	79mΔ	50			57		MP611
101	WJ6201-345	15 §	2.6 †	1.0G	5.0M	44	4.0		50 †		50 †	79mΔ	50			57		MP611
102	WJ6200-316	15 §	2.7 †	500M	5.0M	50	5.5		50 †		50 †	31mΔ	50			57		MP611
103	WJ6202-337	15 §	2.7 †	1.5G	5.0M	28	6.0		50 †		50 †	63mΔ	50			57		MP611
104	WJ6201-316	15 §	2.8 †	1.0G	5.0M	43	6.5		50 †		50 †	63mΔ	50			57		MP611
105	WJ6202-318	15 §	2.8 †	1.5G	5.0M	28	8.0		50 †		50 †	39mΔ	50			57		MP611
106▼	WJ6202-349	15 §	2.8 †	1.5G	10M	35	5.0		2.5 ∅		2.5 ∅	50mΔ	50			57		MP700
107▼	WJ6200-385	15 §	2.9 †	500M	10M	48	4.0		2.5 ∅		2.5 ∅	100mΔ	50			57		MP700
108	WJA75-2	15 §	360 †	250M	5.0M	20	4.5		50 †		50 †		50			58		CN55a
109	WJ6202-312	15 §	720 †	1.5G	5.0M	17	8.0		50 †		50 †	5.0mΔ	50			57		MP611
110	AH52	16 §	400m	500M	10M	14	5.0		50		50					5A		CN2n

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

7. WIDEBAND AMPLIFIERS

IN ORDER OF (1) TOT VOLT (2) MAX IDLE POWER (3)MIN UPPER 3dB BW (4)MIN VOLT GAIN (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	TRANSFER CHARACTERISTICS @25°C 3dB BW [3] MIN. UPPER (Hz)	3dB BW MAX. LOWER (Hz)	[4] MIN. VOLTAGE GAIN (dB)	MAX. NOISE FIGURE (dB)	MAX. THD (%)	INPUT CHAR. @25°C MIN RESIST (Ω)	INPUT CHAR. MAX P-P VOLTS (ΔV)	OUTPUT CHAR. @25°C MAX. RESIST (Ω)	MIN. VOLT P-P (ΔV)	LOAD RESIST (Ω)	TRANSIENT CHAR. @25°C MAX TIME RISE (s)	MAX TIME DELAY (s)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	AH53	16 §	400m	600M	100M	13 †	5.5 †		50 †		50 †							CN2n
2	RC733TF	16	500m⊠	120M†	0.0	48	12 *†		250k	2.0	20 †	3.0		12n	10n	07	E061	Δ006AD
3	ATF416	18	270m	10M	0.0	49	4.0		20k	5.0	800	10 †	1.0k			28	A130	MP174
4#	SL541C	18 §	378m	100M†	0.0	60				6.0		5.0				58	E063	CN27b
5	HEPC6010-RT	18 §♦	500m			60	1.0m†Δ									17	E048	MP130a
6	MHW560	24 §		40M	300M	15 Δ	8.5	60 Δ										MP524
7	MHW561	24 §		40M	300M	15 Δ	12	66 Δ										MP524
8	MHW562	24 §		40M	300M	15 Δ	10	69 Δ										MP524
9	MHW580	24		300M	40M	33 Δ	7.0									07		MP558
10	ATF415	24 §	480m†	860M	40M	14	5.5 †									27	E059	MP450
11	ATF419	24 §	720m†	860M	40M	15	7.0 †									27	E059	MP450
12	ATF417	24 §	840m†	860M	40M	23	5.5 †									27	E060	MP450
13	WJA7	24 §	1.0 †	500M	5.0M	14	6.5		50 †		50 †	19mΔ	50			57		CN55a
14	WJA8	24 §	1.0 †	500M	5.0M	14	6.5		50 †		50 †	19mΔ	50			57		FP33
15	HX610	24	1.4	100M†		52			300k†	6.0		5.0	100			68	E043	CN17e
16	ATF414	24 §	1.4 †	860M	40M	14	7.0 †									27	E058	FP35
17	WJ6200-364	24 §	1.8 †	500M	5.0M	43	3.0		50 †		50 †	19mΔ	50			57		MP611
18▼	WJPA1	24 §	2.2	100M	10M	12	9.5		1.8 Ø		1.8 Ø	300mΔ	50			58		CN55a
19▼	WJPA2	24 §	2.2	300M	10M	9.5	9.5		1.8 Ø		2.0 Ø	250mΔ	50			58		CN55a
20	WJ6200-366	24 §	2.4 †	500M	5.0M	55	3.0		50 †		50 †	19mΔ	50			57		MP611
21	WJA9	24 §	2.6 †	500M	5.0M	10	10		50 †		50 †	100mΔ	50			57		CN55a
22	AH60	24 §	3.6	300M	5.0M	9.0 †	8.0 †		50 †		50 †							CN22c
23	WJ6200-302	24 §	3.6 †	500M	5.0M	23	6.5		50 †		50 †	100mΔ	50			57		MP611
24	WJ6200-363	24 §	3.8 †	500M	5.0M	38	3.0		50 †		50 †	79mΔ	50			57		MP611
25	WJ6200-365	24 §	4.4 †	500M	5.0M	52	3.0		50 †		50 †	100mΔ	50			57		MP611
26	MHW594	24 §	4.5	300M	40M	16 Δ	7.0									29		MP604
27	MHW1171	24 §	4.5	300M	40M	16 Δ	7.0	68 *			75 †	100 Δ†	75			28	E074	MP558
28	WJ6200-320	24 §	4.6 †	500M	5.0M	51	5.5		50 †		50 †	100mΔ	50			57		MP611
29	MHW1221	24 §	5.2	300M	40M	21 Δ	6.0	64 *			75 †	100 Δ†	75			28	E074	MP558
30	MHW559	24 §	5.5	40M	300M	15 Δ	8.5	64 Δ										MP524
31	MHW570	24 §	5.5	40M	315M	16 Δ	7.5	66 Δ										MP525
32	MHW572	24 §	5.5	40M	315M	16 Δ	9.0	70 Δ										MP525
33	MHW1182	24 §	5.5	120M	5.0M	18 Δ	7.0	72 *			75 †	100 Δ†	75			28	E074	MP558
34	MHW595	24 §	5.5	300M	40M	16 Δ	8.0									29		MP604
35	MHW1172	24 §	5.5	300M	40M	16 Δ	8.0	70 *			75 †	100 Δ†	75			28	E074	MP558
36	MHW1222	24 §	6.2	300M	40M	21 Δ	7.0	66 *			75 †	100 Δ†	75			28	E074	MP558
37	MHW1341	24 §	7.9	300M	40M	33 Δ	7.0	68 *			75 †	63 Δ†	75			28	E074	MP558
38	MHW1342	24 §	7.9	300M	40M	33 Δ	7.0	70 *			75 †	63 Δ†	75			28	E074	MP558
39	MHW592	24 §	8.1	250M	1.0M	33 Δ	5.0	25 *	2.0 Ø†		50 †	600mΔ†	50			28	E074	MP558
40	MHW590	24 §	8.1	400M	10M	31 Δ	5.5	20 *	2.0 Ø†		50 †	500mΔ†	50			28	E074	MP558
41	HA2-2530	30	180m	4.0MØ	5.0M†	106			2.0M†			20	2.0k	40n		5C	E055	TO99
42	HA2-2535	30	180m	4.0MØ	5.0M†	106			2.0M†			20	2.0k	40n		07	E055	TO99
43	IH5101IIE	30	450m	10M	100	66	3.0 Δ	1.0	1.0	1.0	10	1.0	75	30n	20n	28	E049	MP261
44	IH5101MIE	30	450m	10M	100	66	3.0 Δ	1.0	1.0	1.0	10	1.0	75	30n	20n	5C	E049	MP261
45	VA21	30	750m	8.0MØ	0.0	92	10 *		250k			20	1.0k	20n	13n	07		MP2r
46	CD23	30	750m	10MØ		92	5.0 *		250kΔ			20	100			05		MP83a
47	WB23	30	750m	10MØ		106	5.0 *		250kΔ			20	200			06		MP83a
48	VA22	30	1.0	4.0MØ	0.0	92	10 *		10G†			20	1.0k	40n	33n	07		MP2
49	51A	30	1.2	56M	80M	94			100G†	20	200 †	20	100	200p	140n	28		MP410
50	51B	30	1.2	56M	80M	94			100G†	20	200 †	20	100	200p	140n	28		MP410
51	50J	30	1.2	70M	100M	88			100G†	20	200 †	20	100	200p	100n	07		MP410
52	50K	30	1.2	70M	100M	88			100G†	20	200 †	20	100	200p	100n	07		MP410
53♦	VA24	30	1.3	7.0MØ		86	5.0 *		100G	22 †		20	330			05		MP83
54♦	VA23	30	1.5 †	10MØ		106	5.0 *		250kΔ			20	200			06		MP83a
55▼	WJ6210-320	30	3.2	500M	5.0M	53 §	8.0					5.6mΔ	50			58	E076	MP749

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	@LOAD CHG. (s)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	MC1466L§	1.0 §			30		750m	1.0m			3.0m	30m	1.0m	200m				07	F043	TO116
2	MC1566L§	1.0 §			35		750m	1.0m			1.0m	10m	1.0m	100m				5C	F043	TO116
3	MC7902CT	2.0 ♦	4.0 %	4.0 %	35	3.5	2.0	1.5		1.0m†	18	40m§	1.5	120mΔ	65 †			OC	F116a	Y220b
4	MC7902CK	2.0 ♦	4.0 %	4.0 %	35	3.5	2.5	1.5		1.0m†	18	40m§	1.5	120mΔ	65 †			OC	F116	CN48
5	LAS1802	2.0 ♦	5.0 %	5.0 %	35	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
6	AD580J§	2.5	3.0 %	3.0 %	40	4.5 *	350m	10m		212u	23	6.0m§	10m	10mΔ				07	F122	TO52
7	AD580K§	2.5	2.0 %	2.0 %	40	4.5 *	350m	10m		100u	23	4.0m§	10m	10mΔ				07	F122	TO52
8	AD580L§	2.5	2.0 %	2.0 %	40	4.5 *	350m	10m		62u	23	2.0m§	10m	10m				07	F122	TO52
9	AD580M§	2.5	1.0 %	1.0 %	40	4.5 *	350m	10m		25u	23	2.0m§	10m	10m				07	F122	TO52
10	AD580S§	2.5	3.0 %	3.0 %	40	4.5 *	350m	10m		137u	23	6.0m§	10m	10mΔ				5C	F122	TO52
11	AD580T§	2.5	2.0 %	2.0 %	40	4.5 *	350m	10m		62u	23	2.0m§	10m	10m				5C	F122	TO52
12	AD580U§	2.5	1.0 %	1.0 %	40	4.5 *	350m	10m		25u	23	2.0m§	10m	10m				5C	F122	TO52
13	uA78L02ACLP	2.6	5.0 %	5.0 %	20		775m	100m			15	75m§	99m	50mΔ	43			OC	F164a	MP597
14	uA78L02CLP	2.6	10 %	10 %	20		775m	100m			15	100m§	99m	50mΔ	42			OC	F164a	MP597
15	uA78L02ACJG	2.6	5.0 %	5.0 %	20		1.1	100m			15	75m§	99m	50mΔ	43			OC	F164	MP401d
16	uA78L02CJG	2.6	10 %	10 %	20		1.1	100m			15	100m§	99m	50mΔ	42			OC	F164	MP401d
17	uA78L26AWC	2.6	3.8 %	3.8 %	30		*	100m		400u†	15	100m§	99m	50mΔ	43			OE	F130	TO92
18#	78L02ACS	2.6	5.0 %	5.0 %	30	1.7	700m	100m			15	75m§	99m	50mΔ	43			OC	F175a	TO92
19#	78L02CS	2.6	10 %	10 %	30	1.7	700m	100m			15	100m§	99m	50mΔ	42			OC	F175a	TO92
20	MC78L02ACP	2.6	5.0 %	5.0 %	30	1.7	700m	100m			15	75m§	99m	50mΔ	43			OC	F144a	TO92
21	uA78L02AS	2.6	4.0 %	4.0 %	30		700m*		100m		15	100m§	99m	50mΔ	43			OE	F130	TO92
22	uA78L02S	2.6	7.6 %	7.6 %	30		700m*	100m			15	125m§	99m	50mΔ	42			OE	F130	TO92
23	MC78L02ACG	2.6	5.0 %	5.0 %	30	1.7	850m	100m			15	75m§	99m	50mΔ	43			OC	F144	TO39
24	MC79L03ACP	3.0 ♦	5.0 %	5.0 %	30	1.7	700m	100m			13	60m§	99m	72mΔ				OC	F145a	TO92
25	MC79L03CP	3.0 ♦	10 %	10 %	30	1.7	700m	100m			13	80m§	99m	72mΔ				OC	F145a	TO92
26	MC79L03ACG	3.0 ♦	5.0 %	5.0 %	30	1.7	850m	100m			13	60m§	99m	72mΔ				OC	F145	TO39
27	MC79L03CG	3.0 ♦	10 %	10 %	30	1.7	850m	100m			13	80m§	99m	72mΔ				OC	F145	TO39
28	MIVR42050-410	4.0			44		120	10		50mΔ	40	100m	10	200m	60			$F		TO3
29	LM145K5.0	5.0 ♦	2.0 %	2.0 %	20	2.5	15m*	3.0	18m†		12	15m§	2.9	75mΔ	30			5F	G080	TO3
30	LM245K5.0	5.0 ♦	2.0 %	2.0 %	20	2.5	15m*	3.0	18m†		12	15m§	2.9	75mΔ	30			2F	G080	TO3
31	LM345K5.0	5.0 ♦	4.0 %	4.0 %	20	2.5	15m*	3.0	18m†		12	25m§	2.9	100mΔ	30			OC	G080	TO3
32#	TBA625AX5	5.0	5.0 %	5.0 %	20	7.5 *	750m	100u	100m†	3.0m†Δ		1.0 Δ		1.0 Δ	46			07	F078	TO39
33	uA78L05ACLP	5.0	5.0 %	5.0 %	20		775m	100m			13	150m§	99m	60mΔ	41			OC	F164a	MP597
34	uA78L05CLP	5.0	10 %	10 %	20		775m	100m			13	200m§	99m	60mΔ	40			OC	F164a	MP597
35	uA78L05ACJG	5.0	5.0 %	5.0 %	20		1.1	100m			13	150m§	99m	60mΔ	41			OC	F164	MP401d
36	uA78L05CJG	5.0	10 %	10 %	20		1.1	100m			13	200m§	99m	60mΔ	40			OC	F164	MP401d
37#	L129	5.0	5.0 %	5.0 %	20	2.8	1.2	1.2	15m†	500u†	4.5	23m§	590m	1.0	46			28	F078	TO126
38#	TDA1405	5.0	5.0 %	5.0 %	20	2.8	1.2	1.2	15m†	500u	4.5	23m§	590m	1.0	46			07	F078	TO126
39#	L005T1	5.0	5.0 %	5.0 %	20	7.5 *	3.2	600m	15m†	3.0m†Δ	4.5	500m		1.0	46			07	F078	TO3
40#	TBA325A	5.0	6.0 %	6.0 %	20	7.5 *	3.2	600m	15m†	3.0m†Δ		500m		1.0	46			07	F078	TO3
41	SG123K	5.0	6.0 %	6.0 %	20		4.3	3.0			7.5	25m§	3.0	100mΔ				5F	F156	TO3
42	SG223K	5.0	6.0 %	6.0 %	20		4.3	3.0			7.5	25m§	3.0	100mΔ				2F	F156	TO3
43	SG323K	5.0	4.0 %	4.0 %	20		4.3	3.0			7.5	25m§	3.0	100mΔ				OC	F156	TO3
44	LM123K	5.0	6.0 %	6.0 %	20	7.5 *	30	3.0			7.5	25m§	3.0	100mΔ				5F	F111	CN48a
45	LM223K	5.0	6.0 %	6.0 %	20	7.5 *	30	3.0			7.5	25m§	3.0	100mΔ				2F	F111	CN48a
46	LM323K	5.0	6.0 %	6.0 %	20	7.5 *	30	3.0			7.5	25m§	3.0	100mΔ				OC	F111	CN48a
47♦	SG120-05K	5.0 ♦	2.0 %	2.0 %	25	1.0	*	1.5	30m†	500u†	18	25m§	1.4m	50mΔ	54			5F	F108	TO3
48▼	SG120-05R	5.0 ♦	2.0 %	2.0 %	25	1.0	*	1.5		500u†	18	25m§	1.4	50mΔ	54			5F	F187	TO66
49♦	SG120-05T	5.0 ♦	2.0 %	2.0 %	25	1.0	*	500m	30m†	500u†	18	25m§	495m	40mΔ	54			5F	F108	TO39
50♦	SG140-05K	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5	17m†	500u†	18	50m§	1.4	50mΔ	78 †			5F	F091	TO3
51▼	SG140-05R	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5		500u†	18	50m§	1.4	50mΔ	78 †			5F	F091	TO66
52♦	SG140-05T	5.0	4.0 %	4.0 %	25	7.0 *	*	500m	17m†	500u†	18	50m§	495m	25mΔ	78 †			5F	F091	TO39
53♦	SG220-05K	5.0 ♦	2.0 %	2.0 %	25	1.0	*	1.5	30m†	500u†	18	25m§	1.4m	50mΔ	54			2F	F108	TO3
54▼	SG220-05R	5.0 ♦	2.0 %	2.0 %	25	1.0	*	1.5		500u†	18	25m§	1.4	50mΔ	54			2F	F187	TO66
55♦	SG220-05T	5.0 ♦	2.0 %	2.0 %	25	1.0	*	500m	30m†	500u†	18	25m§	495m	40mΔ	54			2F	F108	TO39
56♦	SG320-05K	5.0 ♦	4.0 %	4.0 %	25	1.0	*	1.5	30m†	500u†	18	40m§	1.4m	100mΔ	54			OC	F108	TO3
57▼	SG320-05P	5.0 ♦	4.0 %	4.0 %	25	1.0	*	1.5		500u†	18	40m§	1.4	100mΔ	54			OC	F187	Y220b
58▼	SG320-05R	5.0 ♦	4.0 %	4.0 %	25	1.0	*	1.5		500u†	18	40m§	1.4	100mΔ	54			OC	F187	TO66
59♦	SG320-05T	5.0 ♦	4.0 %	4.0 %	25	1.0	*	500m	30m†	500u†	18	40m§	495m	50mΔ	54			OC	F108	TO39
60♦	SG340-05K	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5	17m†	500u†	18	100m§	1.4	100mΔ	78 †			OC	F091	TO3
61▼	SG340-05P	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5		500u†	18	100m§	1.4	100mΔ	78 †			OC	F091	Y220b
62▼	SG340-05R	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5		500u†	18	100m§	1.4	100mΔ	78 †			OC	F091	TO66
63♦	SG340-05T	5.0	4.0 %	4.0 %	25	7.0 *	*	500m	17m†	500u†	18	100m§	495m	50mΔ	78 †			OC	F091	TO39
64	SG7805ACK	5.0	2.0 %	2.0 %	25	7.0 *	*	1.5		500u	18	50m§	1.5	50mΔ	78 †			OC	F180b	TO3
65▼	SG7805ACP	5.0	2.0 %	2.0 %	25	7.0 *	*	1.5		500u	18	50m§	1.5	50mΔ	78 †			OC	F180c	Y220b
66	SG7805ACR	5.0	2.0 %	2.0 %	25	7.0 *	*	1.5		500u	18	50m§	1.5	50mΔ	78 †			OC	F180	TO66
67♦	SG7805ACT	5.0	2.0 %	2.0 %	25	7.0 *	*	500m		500u	18	50m§	495m	25mΔ	78 †			OC	F180a	TO39
68	SG7805AK	5.0	2.0 %	2.0 %	25	7.0 *	*	1.5		500u	18	25m§	1.5	50mΔ	78 †			5E	F180b	TO3
69	SG7805AR	5.0	2.0 %	2.0 %	25	7.0 *	*	1.5		500u	18	25m§	1.5	50mΔ	78 †			5E	F180	TO66
70♦	SG7805AT	5.0	2.0 %	2.0 %	25	7.0 *	*	500m		500u	18	25m§	495m	25mΔ	78 †			5E	F180a	TO39
71♦	SG7805CK	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5	17m†	500u†	18	100m§	1.4	100mΔ	78 †			OC	F091	TO3
72▼	SG7805CP	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5		500u†	18	100m§	1.4	100mΔ	78 †			OC	F091	Y220b
73▼	SG7805CR	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5		500u†	18	100m§	1.4	100mΔ	78 †			OC	F091	TO66
74♦	SG7805CT	5.0	4.0 %	4.0 %	25	7.0 *	*	500m	17m†	500u†	18	100m§	495m	50mΔ	78 †			OC	F091	TO39
75♦	SG7805K	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5	17m†	500u†	18	50m§	1.4	50mΔ	78 †			5E	F091	TO3
76▼	SG7805R	5.0	4.0 %	4.0 %	25	7.0 *	*	1.5		500u†	18	50m§	1.4	50mΔ	78 †			OF	F091	TO66
77♦	SG7805T	5.0	4.0 %	4.0 %	25	7.0 *	*	500m	17m†	500u†	18	50m§	495m	25mΔ	78 †			5E	F091	TO39
78▼	SG7905CK	5.0 ♦	4.0 %	4.0 %	25	1.0	*	1.5		500u†	18	100m§	1.4	100mΔ	54			OC	F187	TO3
79▼	SG7905CP	5.0 ♦	4.0 %	4.0 %	25	1.0	*	1.5		500u†	18	100m§	1.4	100mΔ	54			OC	F187	Y220b
80▼	SG7905CR	5.0 ♦	4.0 %	4.0 %	25	1.0	*	1.5		500u†	18	100m§	1.4	100mΔ	54			OC	F187	TO66
81▼	SG7905CT	5.0 ♦	4.0 %	4.0 %	25	1.0	*	500m		500u†	18	100m§	495m	50mΔ	54			OC	F187	TO39
82▼	SG7905K	5.0 ♦	4.0 %	4.0 %	25	1.0	*	1.5		500u†	18	50m§	1.4	50 Δ	54			5F	F187	TO3
83▼	SG7905R	5.0 ♦	4.0 %	4.0 %	25	1.0	*	1.5		500u†	18	50m§	1.4	50 Δ	54			5F	F187	TO66
84▼	SG7905T	5.0 ♦	4.0 %	4.0 %	25	1.0	*	500m		500u†	18	50m§	495m	25mΔ	54			5F	F187	TO39
85	LM309LA	5.0	4.8	5.2	25		480m	500m			18	50m§	495m	50mΔ	85 †			OC	F077	CN40
86	SN72309LA	5.0	4.8	5.2	25		480m	500m			18	50m§	495m	50mΔ	85 †			OC	F077	CN38a
87	LM109LA	5.0	4.7	5.3	25		600m	500m			18	50m§	495m	50mΔ	85 †			5F	F077	CN40
88	LM209LA	5.0	4.7	5.3	25		600m	500m			18	50m§	495m	50mΔ	85 †			2F	F077	CN40
89	SN52109LA	5.0	4.7	5.3	25		600m	500m			18	50m§	495m	50mΔ	85 †			5F	F077	CN38a
90	uA78M05CLA	5.0	4.0 %	4.0 %	25		600m	500m			18	100m§	495m	100mΔ	62			OC	F161b	CN40
91	uA78M05MLA	5.0	4.0 %	4.0 %	25		600m	500m			18	50m§	495m	50mΔ	62			5C	F161b	CN40
92	uA79M05CLA	5.0 ♦	4.0 %	4.0 %	25		600m	500m			18	50m§	495m	100mΔ	50			OC	F163b	CN40
93	uA79M05MLA	5.0 ♦	4.0 %	4.0 %	25		600m	500m			18	50m§	495m	100mΔ	50			5C	F163b	CN40
94♦	JANM38510/10701AXA	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40
95♦	JANM38510/10701AXB	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40
96♦	JANM38510/10701AXC	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40
97♦	JANM38510/10701BXA	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40
98♦	JANM38510/10701BXB	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40
99♦	JANM38510/10701BXC	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40
100♦	JANM38510/10701CXA	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40
101♦	JANM38510/10701CXB	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	@LOAD CHG. (s)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1◆	JANM38510/10701CXC	5.0	6.0 %	6.0 %	25	9.0 *	890m*	500m		100u	18	4.0m§	495m	20mΔ	60			5C	F186a	CN40
2▼	JANM38510/10702AXA	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
3▼	JANM38510/10702AXB	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
4▼	JANM38510/10702AXC	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
5▼	JANM38510/10702BXA	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
6▼	JANM38510/10702BXB	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
7▼	JANM38510/10702BXC	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
8▼	JANM38510/10702CXA	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
9▼	JANM38510/10702CXB	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
10▼	JANM38510/10702CXC	5.0	5.0 %	5.0 %	25	8.0 *	890m*	500m		2.0m	17	50m§	495m	100mΔ	60			5C	F186	CN40
11	uA78M05CKD	5.0	4.0 %	4.0 %	25		1.5	500m			18	100m§	495m	100mΔ	62			0C	F161a	MP596
12	uA79M05CKD	5.0 ◆	4.0 %	4.0 %	25		1.5	500m			18	50m§	495m	100mΔ	50			0C	F163a	MP596
13	LM120H5.0	5.0 ◆	2.0 %	2.0 %	25		2.0	500m			18	25m§	495m	50mΔ				5C	F108	CN38d
14	LM220H5.0	5.0 ◆	2.0 %	2.0 %	25		2.0	500m			18	25m§	495m	50mΔ				2F	F108	CN38d
15	LM320H5.0	5.0 ◆	4.0 %	4.0 %	25		2.0	500m			18	50m§	495m	50mΔ				0C	F108	CN38d
16#	TDB2905CM	5.0 ◆	2.0 %	2.0 %	25	25	2.0	200m			18	50m§	495m	50mΔ				07		TO39
17#	TDC2905CM	5.0 ◆	2.0 %	2.0 %	25	25	2.0	200m			18	25m§	495m	50mΔ				5C		TO39
18	uA78M05CKC	5.0	4.0 %	4.0 %	25		2.0	500m			18	100m§	495m	100mΔ	62			0C	F161	Y220b
19	uA79M05CKC	5.0 ◆	4.0 %	4.0 %	25		2.0	500m			18	50m§	495m	100mΔ	50			0C	F163	Y220b
20	uA7805CKC	5.0	4.0 %	4.0 %	25		2.0	1.5	17m†	1.1m†	18	100m§	1.4	100mΔ	62			0C	F165a	Y220b
21	uA7905CKC	5.0 ◆	4.0 %	4.0 %	25		2.0	1.5		400u†	18	100m§	1.4	100mΔ	54			0C	F162a	Y220b
22	uA7805CKA	5.0	4.0 %	4.0 %	25		3.5	1.5	17m†	1.1m†	18	100m§	1.4	100mΔ	62			0C	F165	TO3
23	uA7805MKA	5.0	4.0 %	4.0 %	25		3.5	1.5	17m†	1.1m†	18	50m§	1.4	50mΔ	68			5C	F165	TO3
24	uA7905CKA	5.0 ◆	4.0 %	4.0 %	25		3.5	1.5		400u†	18	100m§	1.4	100mΔ	54			0C	F162	TO3
25	uA7905MKA	5.0 ◆	4.0 %	4.0 %	25		3.5	1.5		400u†	18	50m§	1.4	50mΔ	54			5C	F162	TO3
26◆	JANM38510/10701AYA	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
27◆	JANM38510/10701AYB	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
28◆	JANM38510/10701AYC	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
29◆	JANM38510/10701BYA	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
30◆	JANM38510/10701BYB	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
31◆	JANM38510/10701BYC	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
32◆	JANM38510/10701CYA	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
33◆	JANM38510/10701CYB	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
34◆	JANM38510/10701CYC	5.0	6.0 %	6.0 %	25	9.0 *	3.6 *	1.5		100u	18	4.0m§	1.5	50mΔ	60			5C	F186c	TO3
35▼	JANM38510/10706AYA	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
36▼	JANM38510/10706AYB	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
37▼	JANM38510/10706AYC	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
38▼	JANM38510/10706BYA	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
39▼	JANM38510/10706BYB	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
40▼	JANM38510/10706BYC	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
41▼	JANM38510/10706CYA	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
42▼	JANM38510/10706CYB	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
43▼	JANM38510/10706CYC	5.0	5.0 %	5.0 %	25	8.0 *	3.6 *	1.0		2.0m	17	50m§	995m	100mΔ	60			5C	F186b	TO3
44	LM320MP5.0	5.0 ◆	4.0 %	4.0 %	25	2.5	7.5 *	500m			17	40m§	495m	100mΔ	54			0C	F152	Y202a
45	LM320T5.0	5.0 ◆	4.0 %	4.0 %	25		15	1.5			17	40m§	1.4	120mΔ				0C	F152	MP575
46	LM120K5.0	5.0 ◆	2.0 %	2.0 %	25		20	1.5			18	25m§	1.4	75mΔ				5C	F108	TO3
47	LM220K5.0	5.0 ◆	2.0 %	2.0 %	25		20	1.5			18	25m§	1.4	75mΔ				2F	F108	CN48a
48	LM320K5.0	5.0 ◆	4.0 %	4.0 %	25		20	1.5			18	50m§	1.4	100mΔ				0C	F108	CN48a
49#	TDB2905KM	5.0 ◆	2.0 %	2.0 %	25	25	20	1.0			18	50m§	1.5	100mΔ				07		TO3
50#	TDB2905SP	5.0 ◆	2.0 %	2.0 %	25	25	20	1.0			18	50m§	1.5	100mΔ				07		Y220a
51#	TDC2905KM	5.0 ◆	2.0 %	2.0 %	25	25	20	1.0			18	25m§	1.5	75mΔ				5C		TO3
52◆	78H05KC	5.0	4.0 %	4.0 %	25		50				16	100m§	4.9	100mΔ	60			0E		TO3
53	LM78L05ACH	5.0	5.0 %	5.0 %	30		*	100m			13	150m§	99m	60mΔ	41			07	F148	CN38d
54	LM78L05ACZ	5.0	5.0 %	5.0 %	30		*	100m			13	150m§	99m	60mΔ	41			07	F148	MP573
55	LM78L05CH	5.0	10 %	10 %	30		*	100m			13	200m§	99m	60mΔ	40			07	F148	CN38d
56	LM78L05CZ	5.0	10 %	10 %	30		*	100m			13	200m§	99m	60mΔ	40			07	F148	MP573
57	LM342P5.0	5.0	4.0 %	4.0 %	30		*	200m			17	100m§	199m	100mΔ	45			07	F151	MP577
58	uA78L05AHC	5.0	8.0 %	8.0 %	30		*	100m		650u†	13	200m§	99m	60mΔ	40			0E	F130	CN38c
59	uA78L05AWC	5.0	8.0 %	8.0 %	30		*	100m		650u†	13	200m§	99m	60mΔ	40			0E	F130	TO92
60	uA78L05AWV	5.0	8.0 %	8.0 %	30		*	100m		650u†	13	200m§	99m	60mΔ	40			4C	F130	TO92
61#	78L05ACS	5.0	5.0 %	5.0 %	30	1.7	700m	100m			12	100m§	99m	60mΔ	41			0C	F175a	TO92
62#	78L05CS	5.0	10 %	10 %	30	1.7	700m	100m			12	150m§	99m	60mΔ	40			0C	F175a	TO92
63	MC78L05ACP	5.0	5.0 %	5.0 %	30	1.7	700m	100m			13	150m§	99m	60mΔ	41			0C	F144a	TO92
64	MC78L05CP	5.0	10 %	10 %	30	1.7	700m	100m			13	200m§	99m	60mΔ	40			0C	F144a	TO92
65	MC79L05ACP	5.0 ◆	5.0 %	5.0 %	30	1.7	700m	100m			13	150m§	99m	60mΔ				0C	F145a	TO92
66	MC79L05CP	5.0 ◆	10 %	10 %	30	1.7	700m	100m			13	200m§	99m	60mΔ				0C	F145a	TO92
67	uA78L05AS	5.0	4.0 %	4.0 %	30		700m*	100m			13	150m§	99m	60mΔ	41			0E	F130	TO92
68	uA78L05S	5.0	8.0 %	8.0 %	30		700m*	100m			13	200m§	99m	60mΔ	40			0E	F130	TO92
69#	78L05ACDB	5.0	5.0 %	5.0 %	30	1.7	850m	100m			12	100m§	99m	60mΔ	41			0C	F175	TO39
70#	78L05CDB	5.0	10 %	10 %	30	1.7	850m	100m			12	150m§	99m	60mΔ	40			0C	F175	TO39
71	MC78L05ACG	5.0	5.0 %	5.0 %	30	1.7	850m	100m			13	150m§	99m	60mΔ	41			0C	F144	TO39
72	MC78L05CG	5.0	10 %	10 %	30	1.7	850m	100m			13	200m§	99m	60mΔ	40			0C	F144	TO39
73	MC79L05ACG	5.0 ◆	5.0 %	5.0 %	30	1.7	850m	100m			13	150m§	99m	60mΔ				0C	F145	TO39
74	MC79L05CG	5.0 ◆	10 %	10 %	30	1.7	850m	100m			13	200m§	99m	60mΔ				0C	F145	TO39
75	uA78L05ADB	5.0	4.0 %	4.0 %	30		900m*	100m			13	150m§	99m	60mΔ	41			0E	F130	TO39
76	uA78L05DB	5.0	8.0 %	8.0 %	30		900m*	100m			13	200m§	99m	60mΔ	40			0E	F130	TO39
77	805V5	5.0	1.0 %	1.0 %	30	4.0	1.8	500m				100mΔ	500m	100m				5C		MP34
78	LAS1905	5.0	5.0 %	5.0 %	30	2.5	50	5.0		30m%	9.0	2.0	5.0	30mΔ	60			5D	F182	TO3
79◆	LM109DA	5.0	6.9 %	4.9 %	35	2.6	*	1.5	1.3		18	50m§	1.4	100mΔ	32			5C	F077	TO3
80◆	LM109DB	5.0	6.9 %	4.9 %	35	2.6	*	500m	1.3		18	50m§	495m	50mΔ	32			5C	F077	CN40b
81▼	LM209DA	5.0	6.9 %	4.9 %	35	2.6	*	1.5	1.3		18	50m§	1.4	100mΔ	32			2F	F077	TO3
82▼	LM209DB	5.0	6.9 %	4.9 %	35	2.6	*	500m	1.3		18	50m§	495m	50mΔ	32			2F	F077	CN40b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	2 MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP CODE E O M D P E -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1♦	LM309DA	5.0	4.9 %	2.9 %	35	1.7	*	1.5	1.3		18	50m§	1.4	100mΔ	32			0C	F077	TO3
2♦	LM309DB	5.0	4.9 %	2.9 %	35	1.7	*	500m	1.3		18	50m§	495m	50mΔ	32			0C	F077	CN40b
3#	SFC2109M	5.0	6.0 %	6.0 %	35	1.5		200m		20m	18	50m§	200m	30mΔ				5C	F077	TO5
4#	SFC2109RM	5.0	4.7	5.3	35	1.5		1.0		20m	18	50m	1.0	30m				5C	F077	TO3
5#	SFC2209	5.0	6.0 %	6.0 %	35	1.5		500m		20m	18	50m§	200m	30mΔ				28	F077	TO5
6#	SFC2209R	5.0	6.0 %	6.0 %	35	1.5		1.5		20m	18	50m§	1.0	30mΔ				29	F077	TO3
7#	SFC2309	5.0	4.0 %	4.0 %	35	1.5		500m		20m	18	50m§	200m	30mΔ				07	F077	TO5
8#	SFC2309R	5.0	4.0 %	4.0 %	35	1.5		1.5		20m	18	50m§	1.0	30mΔ				07	F077	TO3
9#	SFC2805EC	5.0	4.0 %	4.0 %	35	2.0					18	100m§	1.5	100mΔ	70 †			07		Y220b
10#	SFC2805RC	5.0	4.0 %	4.0 %	35	2.0					18	100m§	1.5	100mΔ	70 †			07		TO3
11#	TDB7805	5.0	4.0 %	4.0 %	35			2.2	17m†	1.3m†§	18	100m§	1.4	100mΔ	62			08	F183	TO3
12#	TDB7805T	5.0	4.0 %	4.0 %	35			2.2	17m†	1.3m†§	18	100m§	1.4	100mΔ	62			08	F183	Y220a
13#	TDC7805	5.0	4.0 %	4.0 %	35			2.2	17m†	1.3m†§	18	50m§	1.4	50mΔ	68			5C	F183	Y220a
14	uA78M05HC	5.0	4.0 %	4.0 %	35		*	500m		1.0m†	18	100m§	495m	100mΔ	62			0E	F112	CN38c
15	uA78M05HM	5.0	4.0 %	4.0 %	35		*	500m		1.0m†	18	50m§	495m	50mΔ	62			5E	F112	CN38c
16	uA78M05UC	5.0	4.0 %	4.0 %	35		*	500m		1.0m†	18	100m§	495m	100mΔ	62			0E	F112	MP582
17	uA79M05AHC	5.0 ♦	4.0 %	4.0 %	35		*	500m		400u	18	50m§	495m	100mΔ	50			0E	F141	CN38c
18	uA79M05AUC	5.0 ♦	4.0 %	4.0 %	35		*	500m		400u	18	50m§	495m	100mΔ	50			0E	F141	
19	uA79M05HM	5.0 ♦	4.0 %	4.0 %	35		*	500m		400u	18	50m§	495m	100mΔ	50			5E	F141	CN38c
20	uA109KM	5.0	6.0 %	6.0 %	35		*	1.5			18	50m§	1.4	100mΔ				5E	F091	TO3
21	uA209KM	5.0	6.0 %	6.0 %	35		*	1.5			18	50m§	1.4	100mΔ				2E	F091a	TO3
22	uA309KC	5.0	4.0 %	4.0 %	35		*	1.5			18	50m§	1.4	100mΔ				0C	F091b	TO3
23	uA7805KC	5.0	4.0 %	4.0 %	35			2.2	17m†	1.3m†§	18	100m§	1.4	100mΔ	62			0C	F091	TO3
24	uA7805KM	5.0	4.0 %	4.0 %	35			2.2	17m†	1.3m†§	18	50m§	1.4	50mΔ	68			5F	F091	TO3
25	uA7805UC	5.0	4.0 %	4.0 %	35			2.2	17m†	1.3m†§	18	100m§	1.4	100mΔ	62			0C	F091	MP582
26	uA7905KC	5.0 ♦	4.0 %	4.0 %	35		*	1.5		400u†	18	100m§	1.4	100mΔ	54			0E	F162	TO3
27	uA7905KM	5.0 ♦	4.0 %	4.0 %	35		*	1.5		400u†	18	50m§	1.4	50mΔ	54			5E	F162	TO3
28	uA7905UC	5.0 ♦	4.0 %	4.0 %	35		*	1.5		400u†	18	100m§	1.4	100mΔ	54			0E	F162a	MP582
29	uPC14305H	5.0	4.0 %	4.0 %	35			1.5		1.1m†§	18	100m§	1.4	100mΔ	62			0C	F091	TO220
30	LM140LAH5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	17	30m§	99m	40mΔ	55			5C	F148	CN40
31	LM240LAH5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	18	30m§	99m	20mΔ	55			28	F148	CN40
32	LM240LAZ5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	18	30m§	99m	20mΔ	55			28	F148	MP573
33	LM340LAH5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	17	30m§	99m	40mΔ	55			07	F148	CN40
34	LM340LAZ5.0	5.0	2.0 %	2.0 %	35	2.0	22m*	100m	200m†	2.0 %†	17	30m§	99m	40mΔ	55			07	F148	MP573
35	LM340KC5.0	5.0	2.0 %	2.0 %	35	2.0	50m*	2.5	800m†	2.0 %†	18	100m§	1.4	100mΔ	60 †			07	F110	TO3
36	MC78M05CG	5.0	4.0 %	4.0 %	35	2.0	800m	500m		1.0m†	18	100m§	495m	100mΔ	80 †			0C	F174	TO39
37#	78M05CDB	5.0	4.0 %	4.0 %	35	2.0	850m	500m		1.0m†	18	100m§	495m	100mΔ	62			0E	F176	TO39
38#	78M05DB	5.0	4.0 %	4.0 %	35	2.0	850m	500m		1.0m†	18	50m§	495m	50mΔ	62			5E	F176	TO39
39	RC4194DC	5.0 §	50m	32	35	3.0	900m	150m		15mΔ§	950m	100m	99m	4.0m*	70			0C	F096a	MP153g
40	SG109T	5.0	2.0 %	2.0 %	35	1.5	1.0	500m	100m†	20m	18	50m§	1.4	50mΔ	75 †			5F	F077	TO5
41	SG209T	5.0	2.0 %	2.0 %	35	1.5	1.0	500m	100m†	20m	18	50m§	1.4	50mΔ	75 †			2F	F077	TO5
42	SG309T	5.0	4.0 %	4.0 %	35	1.5	1.0	500m	100k†	20m	18	50m§	495m	50mΔ	75 †			0C	F077	TO5
43#	78M05CU	5.0	4.0 %	4.0 %	35	2.0	2.0	500m		1.0m†	18	100m§	495m	100mΔ	62			0E	F176a	Y220b
44#	7805CU	5.0	4.0 %	4.0 %	35	2.0	2.0	1.0		1.1m†	18	100m§	500m	50mΔ	62			0C	F176a	Y220b
45	LM109H	5.0	6.0 %	6.0 %	35		2.0	500m			18	50m§	495m	50mΔ				5F	F077	CN38d
46	LM209H	5.0	6.0 %	6.0 %	35		2.0	500m			18	50m§	495m	50mΔ				5F	F077	CN38d
47	LM309H	5.0	4.0 %	4.0 %	35		2.0	500m			18	50m§	495m	50mΔ				0C	F077	CN38d
48	MC78M05CT	5.0	4.0 %	4.0 %	35	2.0	2.0	500m		1.0m†	18	100m§	495m	100mΔ	80 †			0C	F174a	Y220b
49	MC7905CT	5.0 ♦	4.0 %	4.0 %	35	2.0	2.0	1.5		1.0m†	18	100m§	1.5	100mΔ	70 †			0C	F116a	Y220b
50	MC7805CK	5.0	4.0 %	4.0 %	35	2.0	2.5	1.5	30m†	1.0m†	18	100m§	1.5	100mΔ	70 †			0C	F174b	CN48
51	MC7805CT	5.0	4.0 %	4.0 %	35	2.0	2.5	1.5		1.0m†	18	100m§	1.5	100mΔ	70 †			0C	F174a	Y220b
52	MC7905CK	5.0 ♦	4.0 %	4.0 %	35	2.0	2.5	1.5		1.0m†	18	100m§	1.5	100mΔ	70 †			0C	F116	CN48
53	MLM109G	5.0	6.0 %	6.0 %	35		2.5	200m			18	50m§	495m	50mΔ				5E	F077	TO39
54	MLM209G	5.0	6.0 %	6.0 %	35		2.5	200m			18	50m§	495m	50mΔ				5E	F077	TO39
55	MLM309G	5.0	4.0 %	4.0 %	35		2.5	200m			18	50m§	495m	50mΔ				0C	F077	TO39
56	RC4194TK	5.0 §	50m	32	35	3.0	3.0	250m		15mΔ§	950m	100m	199m	4.0m*	70			0C	F096a	CN30
57#	7805CDA	5.0	4.0 %	4.0 %	35	2.0	3.5	1.0		1.1m†	18	100m§	500m	50mΔ	62			0C	F176b	TO3
58#	7805DA	5.0	4.0 %	4.0 %	35	2.0	3.5	1.0		1.1m†	18	50m§	500m	25mΔ	68			5E	F176b	TO3
59	SG109K	5.0	2.0 %	2.0 %	35	1.5	4.3	1.5	100m†	20m	18	50m§	1.4	100mΔ	75 †			5F	F077	TO3
60	SG209K	5.0	2.0 %	2.0 %	35	1.5	4.3	1.5	100m†	20m	18	50m§	1.4	100mΔ	75 †			2F	F077	TO3
61	SG309K	5.0	4.0 %	4.0 %	35	1.5	4.3	1.5		20m	18	50m§	1.0	100mΔ	75 †			0C	F077	TO3
62	LM341P5.0	5.0	4.0 %	4.0 %	35		7.5 *	500m			17	100m§	495m	100mΔ	60 †			07	F150	MP577
63	LM109H883	5.0	6.0 %	6.0 %	35	1.5	8.0	500m		20m	18	4.0m	200m	30m				5C		TO5
64	LM109K883	5.0	6.0 %	6.0 %	35	1.5	8.0	1.5		20m	18	4.0m	1.0	30m				5C		TO3
65	LAS1405	5.0	5.0 %	5.0 %	35	2.5	15	1.5		30m%	10	2.0	1.5	600m	58			5E	F168	CN48b
66	LAS1505	5.0	5.0 %	5.0 %	35	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
67	LAS1805	5.0 ♦	5.0 %	5.0 %	35	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
68▼	LM340-5DA	5.0	4.0 %	4.0 %	35	7.0 *	15 *	1.5			18	100m§	1.4	100mΔ	60 †			07	F110	TO3
69▼	LM340-5U	5.0	4.0 %	4.0 %	35	7.0 *	15 *	1.5			18	100m§	1.4	100mΔ	60 †			07	F110	Y220b
70	LM340K5.0	5.0	4.0 %	4.0 %	35		15 *	1.5			18	100m§	1.4	100mΔ	60 †			07	F110	CN48a
71	LM340T5.0	5.0	4.0 %	4.0 %	35		15 *	1.5			18	100m§	1.4	100mΔ	60 †			07	F110	MP575
72	uA7805CDA	5.0	4.1 %	4.1 %	35	7.0 *	15 *	1.0	17 †	1.1m	18	50mΔ	1.5	50mΔ	62			08	F112	TO3
73	uA7805CU	5.0	4.1 %	4.1 %	35	7.0 *	15 *	1.0	17 †	1.1m	18	50mΔ	1.5	50mΔ	62			08	F112	Y220b
74	uA7805DA	5.0	4.1 %	4.1 %	35	8.0 *	15 *	1.0	17 †	1.1m	18	25mΔ	1.5	25mΔ	68			5C	F112	TO3
75	LM109K	5.0	6.0 %	6.0 %	35		20	1.5			18	50m§	1.4	100mΔ				5F	F077	CN48a
76	LM209K	5.0	6.0 %	6.0 %	35		20	1.5			18	50m§	1.4	100mΔ				5F	F077	CN48a
77	LM309K	5.0	4.0 %	4.0 %	35		20	1.5			18	50m§	1.4	100mΔ				0C	F077	CN48a
78	MLM109K	5.0	6.0 %	6.0 %	35		20	1.0			18	50m§	1.5	100mΔ				5E	F077	TO3
79	MLM209K	5.0	6.0 %	6.0 %	35		20	1.0			18	50m§	1.4	100mΔ				5E	F077	TO3
80	MLM309K	5.0	4.0 %	4.0 %	35		20	1.0			18	50m§	1.4	100mΔ				0C	F077	TO3
81#	SI3551M	5.0			35	4.0	25	1.2	20m	6.0m	10	600m	1.0	1.0	54			27	F113	TO3
82#	SI3552M	5.0			35	4.0	40	2.0	20m	6.0m	10	600m	2.0	1.0	54			27	F113	TO3
83#	SI3050G	5.0			35	4.0	50	2.0	20m	1.0m	10	600m	2.0	1.0	54			28	F114	MP375
84#	SI3554M	5.0			35	4.0	65	3.0	20m	6.0m	10	600m	3.0	1.0	54			27	F113	TO3
85	DE5S500	5.0			40			500m			1.0	10m	500m	10m				27		MP276a
86	LAS6105	5.0	1.0 %	1.0 %	40	2.8		25		7.0mΔ		10mΔ	25	200m	60			5C	F137	MP541
87	LAS6205	5.0	5.0 %	5.0 %	40	2.8		25		7.0mΔ		10mΔ	25	200m	60			5C	F137a	MP541a
88	LAS6305	5.0	1.0 %	1.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137a	MP541a
89	LAS6405	5.0	5.0 %	5.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137a	MP541a
90	NC520	5.0	1.0	7.0	40	1.5	500m	50m	50m†	20mΔ		40mΔ	100m	250m	66 †			5C	F023	CN17a
91	809V5	5.0			40	2.0	1.6	750m				30mΔ		3.0 *				5C		MP34e
92	859V5	5.0 ♦			40	2.0	1.6	750m				30mΔ		3.0 *				5C		MP34e
93	RE5S500	5.0			40	1.0	3.0	500m	100m	1.0m	1.0	10m	500m	10m	80 †			27		MP276
94	LAS2105	5.0	1.0 %	1.0 %	40	4.6	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F137	MP539
95	LAS2205	5.0	5.0 %	5.0 %	40	4.6	9.0	5.0		7.0mΔ		10mΔ	3.3	200m	60			5C	F137	MP539
96	LAS2305	5.0	1.0 %	1.0 %	40	4.6	9.0	3.3		7.0mΔ		10mΔ	3.3	200m	60			5C	F137	MP539
97	LAS2405	5.0	5.0 %	5.0 %	40	4.6	9.0	3.3		7.0mΔ		10mΔ	3.3	200m	60			5C	F137a	MP539a
98	LAS2705	5.0 ♦	5.0 %	5.0 %	40	5.2	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F138a	MP539a
99	LAS2805	5.0 ♦	1.0 %	1.0 %	40	5.2	9.0	3.3		7.0mΔ		10mΔ	3.3	200m	60			5C	F138	MP539
100	LAS2905	5.0 ♦	5.0 %	5.0 %	40	5.2	9.0	3.3		7.0mΔ		10mΔ	3.3	200m	60			5C	F138a	MP539a
101	LAS4105	5.0	1.0 %	1.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F137	MP540
102	LAS4205	5.0	5.0 %	5.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F137a	MP540a
103	LAS4305	5.0	1.0 %	1.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F137	MP540
104	LAS4405	5.0	5.0 %	5.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F137a	MP540a
105	LAS4705	5.0 ♦	5.0 %	5.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F138a	MP540a
106	LAS4905	5.0 ♦	5.0 %	5.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F138a	MP540a
107	LAS3205	5.0	4.7	5.3	40	2.5	140	10				10mΔ	10	200m	60			5E	F137b	MP539
108	LAS5205	5.0	4.7	5.3	40	2.5	270	20				14mΔ	20	200m	60			5E	F137b	MP540
109	LAS7205	5.0	4.7	5.3	40	2.5	400	30				16mΔ	30	200m	60			5E	F137b	MP541
110	MIVR42050-055	5.0			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F		TO3

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	2 MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP MODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	MIVR42050-510	5.0			44		120	10		50mΔ	40	100m	10	200m	60			§F		TO3
2	MIVR42051-055	5.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			§F		TO3
3	RM4194DC	5.0 §	50m	42	45	3.0	900m	150m		15mΔ§	950m	100m	99m	2.0m*	70			5F	F096a	MP153g
4	RM4194TK	5.0 §	50m	42	45	3.0	3.0	250m		15mΔ§	950m	100m	199m	2.0m*	70			5F	F096a	CN30
5	LM145K5.2	5.2 ♦	1.9 %	1.9 %	20	2.3	15m*	3.0	18m†		12	15m§	2.9	75mΔ	30			5F	G080	TO3
6	LM245K5.2	5.2 ♦	1.9 %	1.9 %	20	2.3	15m*	3.0	18m†		12	15m§	2.9	75mΔ	30			2F	G080	TO3
7	LM345K5.2	5.2 ♦	3.8 %	3.8 %	20	2.3	15m*	3.0	18m†		12	25m§	2.9	100mΔ	30			0C	G080	TO3
8♦	SG120-5.2K	5.2 ♦	2.0 %	2.0 %	25	1.0	*	1.5	30m†	500u†	17	25m§	1.4m	60mΔ	54			5C	F108	TO3
9▼	SG120-5.2R	5.2 ♦	2.0 %	2.0 %	25	1.0	*	1.5		500u†	17	25m§	1.4	60mΔ	54			5F	F187	TO66
10♦	SG120-5.2T	5.2 ♦	2.0 %	2.0 %	25	1.0	*	500m	30m†	500u†	17	25m§	495m	50mΔ	54			5C	F108	TO39
11♦	SG220-5.2K	5.2 ♦	2.0 %	2.0 %	25	1.0	*	1.5	30m†	500u†	17	25m§	1.4m	60mΔ	54			2F	F108	TO3
12▼	SG220-5.2R	5.2 ♦	2.0 %	2.0 %	25	1.0	*	1.5		500u†	17	25m§	1.4	60mΔ	54			2F	F187	TO66
13♦	SG220-5.2T	5.2 ♦	2.0 %	2.0 %	25	1.0	*	500m	30m†	500u†	17	25m§	495m	50mΔ	54			2F	F108	TO39
14♦	SG320-5.2K	5.2 ♦	3.8 %	3.8 %	25	1.0	*	1.5	30m†	500u†	17	40m§	1.4m	60mΔ	54			0C	F108	TO3
15▼	SG320-5.2P	5.2 ♦	3.8 %	3.8 %	25	1.0	*	1.5		500u†	17	40m§	1.4	100mΔ	54			0C	F187	Y220b
16▼	SG320-5.2R	5.2 ♦	3.8 %	3.8 %	25	1.0	*	1.5		500u†	17	40m§	1.4	100mΔ	54			0C	F187	TO66
17♦	SG320-5.2T	5.2 ♦	3.8 %	3.8 %	25	1.0	*	500m	30m†	500u†	17	50m§	495m	50mΔ	54			0C	F108	TO39
18▼	SG7905.2CK	5.2 ♦	3.8 %	3.8 %	25	1.0	*	1.5		500u†	17	100m§	1.4	100mΔ	54			0C	F187	TO3
19▼	SG7905.2CP	5.2 ♦	3.8 %	3.8 %	25	1.0	*	1.5		500u†	17	100m§	1.4	100mΔ	54			0C	F187	Y220b
20▼	SG7905.2CR	5.2 ♦	3.8 %	3.8 %	25	1.0	*	1.5		500u†	17	100m§	1.4	100mΔ	54			0C	F187	TO66
21▼	SG7905.2CT	5.2 ♦	3.8 %	3.8 %	25	1.0	*	500m		500u†	17	100m§	495m	50mΔ	54			0C	F187	TO39
22▼	SG7905.2K	5.2 ♦	3.8 %	3.8 %	25	1.0	*	1.5		500u†	17	50m§	1.4	60mΔ	54			5F	F187	TO3
23▼	SG7905.2R	5.2 ♦	3.8 %	3.8 %	25	1.0	*	1.5		500u†	17	50m§	1.4	60mΔ	54			5F	F187	TO66
24▼	SG7905.2T	5.2 ♦	3.8 %	3.8 %	25	1.0	*	500m		500u†	17	50m§	495m	30mΔ	54			5F	F187	TO39
25	LM120H5.2	5.2 ♦	2.0 %	2.0 %	25		2.0	500m			18	25m§	495m	50mΔ				5C	F108	CN38d
26	LM220H5.2	5.2 ♦	2.0 %	2.0 %	25		2.0	500m			18	25m§	495m	50mΔ				2F	F108	CN38d
27	LM320H5.2	5.2 ♦	3.8 %	3.8 %	25		2.0	500m			18	50m§	495m	50mΔ				0C	F108	CN38d
28#	TDB2905ACM	5.2 ♦	2.0 %	2.0 %	25	25	2.0	200m			18	50m§	495m	50mΔ				07		TO39
29#	TDC2905ACM	5.2 ♦	2.0 %	2.0 %	25	25	2.0	200m			18	25m§	495m	50mΔ				5C		TO39
30	LM320MP5.2	5.2 ♦	4.0 %	4.0 %	25	2.3	7.5 *	500m			17	40m§	495m	100mΔ	64 †			0C	F152	Y202a
31	LM320T5.2	5.2 ♦	3.8 %	3.8 %	25		15	1.5			17	40m§	1.4	120mΔ				0C	F152	MP575
32	LM120K5.2	5.2 ♦	2.0 %	2.0 %	25		20	1.5			18	25m§	1.4	75mΔ				5C	F108	TO3
33	LM220K5.2	5.2 ♦	2.0 %	2.0 %	25		20	1.5			18	25m§	1.4	75mΔ				2F	F108	CN48a
34	LM320K5.2	5.2 ♦	3.8 %	3.8 %	25		20	1.5			18	50m§	1.4	100mΔ				0C	F108	CN48a
35#	TDB2905AKM	5.2 ♦	2.0 %	2.0 %	25	25	20	1.0			18	50m§	1.5	100mΔ				07		TO3
36#	TDB2905ASP	5.2 ♦	2.0 %	2.0 %	25	25	20	1.0			18	50m§	1.5	100mΔ				07		Y220a
37#	TDC2905AKM	5.2 ♦	2.0 %	2.0 %	25	25	20	1.0			18	25m§	1.5	75mΔ				5C		TO3
38	MC7905.2CK	5.2 ♦	3.8 %	3.8 %	35	2.0	2.0	1.5		1.0m†	17	105m§	1.5	105mΔ	68 †			0C	F116	MP331
39	MC7905.2CT	5.2 ♦	3.8 %	3.8 %	35	2.0	2.0	1.5		1.0m†	17	105m§	1.5	105mΔ	68 †			0C	F116a	Y220b
40▼	LAS18052	5.2 ♦	5.0 %	5.0 %	35	2.1	15	1.5		30m%	15	1.0	1.5	600	59			5E	F169	CN48b
41	LAS2605	5.2 ♦	1.0 %	1.0 %	40	5.2	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F138	MP539
42	LAS4605	5.2 ♦	1.0 %	1.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F138	MP540a
43	LAS4805	5.2 ♦	1.0 %	1.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F138	MP540
44#	ESM1406	6.0	5.0 %	5.0 %	20	2.8	1.2	1.0	60m†	1.2m†	4.5	23m	550m	1.0	46			07		TO126
45♦	SG140-06K	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5	19m†	500u†	17	60m§	1.4	60mΔ	75 †			5F	F091	TO3
46▼	SG140-06R	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5		500u†	17	60m§	1.4	60mΔ	75 †			5F	F091	TO66
47♦	SG140-06T	6.0	4.2 %	4.2 %	25	8.0 *	*	500m	19m†	500u†	17	60m§	495m	30mΔ	75 †			5F	F091	TO39
48♦	SG340-06K	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5	19m†	500u†	17	120m§	1.4	120mΔ	75 †			0C	F091	TO3
49▼	SG340-06P	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5		500u†	17	120m§	1.4	120mΔ	75 †			0C	F091	Y220b
50▼	SG340-06R	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5		500u†	17	120m§	1.4	120mΔ	75 †			0C	F091	TO66
51♦	SG340-06T	6.0	4.2 %	4.2 %	25	8.0 *	*	500m	19m†	500u†	17	120m§	495m	60mΔ	75 †			0C	F091	TO39
52	SG7806ACK	6.0	1.7 %	1.7 %	25	8.0 *	*	1.5		500u	17	60m§	1.5	60mΔ	75 †			0C	F180b	TO3
53▼	SG7806ACP	6.0	1.7 %	1.7 %	25	8.0 *	*	1.5		500u	17	60m§	1.5	60mΔ	75 †			0C	F180c	Y220b
54	SG7806ACR	6.0	1.7 %	1.7 %	25	8.0 *	*	1.5		500u	17	60m§	1.5	60mΔ	75 †			0C	F180	TO66
55♦	SG7806ACT	6.0	1.7 %	1.7 %	25	8.0 *	*	500m		500u	17	60m§	495m	30mΔ	75 †			0C	F180a	TO39
56	SG7806AK	6.0	1.7 %	1.7 %	25	8.0 *	*	1.5		500u	17	30m§	1.5	60mΔ	75 †			5E	F180b	TO3
57	SG7806AR	6.0	1.7 %	1.7 %	25	8.0 *	*	1.5		500u	17	30m§	1.5	60mΔ	75 †			5E	F180	TO66
58♦	SG7806AT	6.0	1.7 %	1.7 %	25	8.0 *	*	500m		500u	17	30m§	495m	30mΔ	75 †			5E	F180a	TO39
59♦	SG7806CK	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5	19m†	500u†	17	120m§	1.4	120mΔ	75 †			0C	F091	TO3
60▼	SG7806CP	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5		500u†	17	120m§	1.4	120mΔ	75 †			0C	F091	Y220b
61▼	SG7806CR	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5		500u†	17	120m§	1.4	120mΔ	75 †			0C	F091	TO66
62♦	SG7806CT	6.0	4.2 %	4.2 %	25	8.0 *	*	500m	19m†	500u†	17	120m§	495m	60mΔ	75 †			0C	F091	TO39
63♦	SG7806K	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5	19m†	500u†	17	60m§	1.4	60mΔ	75 †			5E	F091	TO3
64▼	SG7806R	6.0	4.2 %	4.2 %	25	8.0 *	*	1.5		500u†	17	60m§	1.4	60mΔ	75 †			0F	F091	TO66
65♦	SG7806T	6.0	4.2 %	4.2 %	25	8.0 *	*	500m	19m†	500u†	17	60m§	495m	30mΔ	75 †			5E	F091	TO39
66	uA78M06CLA	6.0	4.1 %	4.1 %	25		600m	500m			17	100m§	495m	120mΔ	59			0C	F161b	CN40
67	uA78M06MLA	6.0	4.1 %	4.1 %	25		600m	500m			17	60m§	495m	60mΔ	59			5C	F161b	CN40
68	uA79M06CLA	6.0 ♦	4.1 %	4.1 %	25		600m	500m			17	60m§	495m	120mΔ	50			0C	F163b	CN40
69	uA79M06MLA	6.0 ♦	4.1 %	4.1 %	25		600m	500m			17	60m§	495m	120mΔ	50			5C	F163b	CN40
70	uA78M06CKD	6.0	4.1 %	4.1 %	25		1.5	500m			17	100m§	495m	120mΔ	59			0C	F161a	MP596
71	uA79M06CKD	6.0 ♦	4.1 %	4.1 %	25		1.5	500m			17	60m§	495m	120mΔ	50			0C	F163a	MP596
72	LM120H6.0	6.0 ♦	2.0 %	2.0 %	25	2.0	2.0 *	500m			17	25m§	495m	50mΔ	54			5F	F152	CN40
73	LM220H6.0	6.0 ♦	2.0 %	2.0 %	25	2.0	2.0 *	500m			17	25m§	495m	50mΔ	54			2F	F152	CN40
74	LM320H6.0	6.0 ♦	4.1 %	4.1 %	25	2.0	2.0 *	500m			17	40m§	495m	50mΔ	54			0C	F152	CN40
75	uA78M06CKC	6.0	4.1 %	4.1 %	25		2.0	500m			17	100m§	495m	120mΔ	59			0C	F161	Y220b
76	uA79M06CKC	6.0 ♦	4.1 %	4.1 %	25		2.0	500m			17	60m§	495m	120mΔ	50			0C	F163	Y220b
77	uA7806CKC	6.0	4.1 %	4.1 %	25		2.0	1.5	19m†	800u†	17	120m§	1.4	120mΔ	59			0C	F165a	Y220b
78	uA7906CKC	6.0 ♦	4.1 %	4.1 %	25		2.0	1.5		400u†	17	120m§	1.4	120mΔ	54			0C	F162a	Y220b
79	uA7806CKA	6.0	4.1 %	4.1 %	25		3.5	1.5	19m†	800u†	17	120m§	1.4	120mΔ	59			0C	F165	TO3
80	uA7806MKA	6.0	4.1 %	4.1 %	25		3.5	1.5	19m†	800u†	17	60m§	1.4	60mΔ	65			5C	F165	TO3
81	uA7906CKA	6.0 ♦	4.1 %	4.1 %	25		3.5	1.5		400u†	17	120m§	1.4	120mΔ	54			0C	F162	TO3
82	uA7906MKA	6.0 ♦	4.1 %	4.1 %	25		3.5	1.5		400u†	17	60m§	1.4	60mΔ	54			5C	F162	TO3
83	LM320MP6.0	6.0 ♦	4.1 %	4.1 %	25	2.5	7.5 *	500m			16	40m§	495m	100mΔ	54			0C	F152	Y202a
84	LM320T6.0	6.0 ♦	4.1 %	4.1 %	25		15	1.5			16	40m§	1.4	120mΔ				0C	F152	MP575
85	LM120K6.0	6.0 ♦	2.5 %	2.5 %	25	2.0	20 *	1.5			17	25m§	1.4	75mΔ	54			5F	F152	TO3
86	LM220K6.0	6.0 ♦	2.5 %	2.5 %	25	2.0	20 *	1.5			17	25m§	1.4	75mΔ	54			2F	F152	TO3
87	LM320K6.0	6.0 ♦	4.1 %	4.1 %	25	2.0	20 *	1.5			17	40m§	1.4	100mΔ	54			0C	F152	TO3
88	PC521	6.0			28		500m	200m	50m†	1.0m	2.0	2.0	100m	200m	34			5C	F023	FP7
89	PC523	6.0 ♦			28		500m	200m	50m†	1.0m	2.0	2.0	100m	200m	34			5C	F024	FP7
90	LM342P6.0	6.0	4.1 %	4.1 %	30		*	200m			16	120m§	199m	120mΔ	43			07	F151	MP577
91	806	6.0	3.0	9.0	30	4.0	1.8	500m				100mΔ	694m	100m				5C		MP34a
92▼	LAS1906	6.0	5.0 %	5.0 %	30	2.6	50	5.0		30m%	9.0	2.0	4.9	600m	60			5D	F182	TO3
93#	SFC2806EC	6.0	5.0 %	5.0 %	35	2.0					17	120m§	1.5	120mΔ	65 †			07		Y220b
94#	SFC2806RC	6.0	5.0 %	5.0 %	35	2.0					17	120m§	1.5	120mΔ	65 †			07		TO3
95#	TDB7806	6.0	4.1 %	4.1 %	35			2.2	19m†	800u†§	17	120m§	1.4	120mΔ	59			08	F183	TO3
96#	TDB7806T	6.0	4.1 %	4.1 %	35			2.2	19m†	800u†§	17	120m§	1.4	120mΔ	59			08	F183	Y220a
97#	TDC7806	6.0	4.1 %	4.1 %	35			2.2	19m†	800u†§	17	60m§	1.4	60mΔ	65			5C	F183	TO3
98	uA78M06HC	6.0	4.1 %	4.1 %	35		*	500m		500u†	17	100m§	495m	120mΔ	59			0E	F112	CN38c
99	uA78M06HM	6.0	4.1 %	4.1 %	35		*	500m		500u†	17	60m§	495m	60mΔ	59			5E	F112	CN38c
100	uA78M06UC	6.0	4.1 %	4.1 %	35		*	500m		500u†	17	100m§	495m	120mΔ	59			0E	F112	MP582
101	uA79M06AHC	6.0 ♦	4.1 %	4.1 %	35		*	500m		400u	17	60m§	495m	120mΔ	50			0E	F141	CN38c
102	uA79M06AUC	6.0 ♦	4.1 %	4.1 %	35		*	500m		400u	17	60m§	495m	120mΔ	50			0E	F141	
103	uA79M06HM	6.0 ♦	4.1 %	4.1 %	35		*	500m		400u	17	60m§	495m	120mΔ	50			5E	F141	CN38c
104	uA7806KC	6.0	4.1 %	4.1 %	35			2.2	19m†	800u†§	17	120m§	1.4	120mΔ	59			0C	F091	TO3
105	uA7806KM	6.0	4.1 %	4.1 %	35			2.2	19m†	800u†§	17	60m§	1.4	60mΔ	65			5F	F091	TO3
106	uA7806UC	6.0	4.1 %	4.1 %	35			2.2	19m†	800u†§	17	120m§	1.4	120mΔ	59			0C	F091	MP582
107	uA7906KC	6.0 ♦	4.1 %	4.1 %	35		*	1.5		400u†	17	120m§	1.4	120mΔ	54			0E	F162	TO3
108	uA7906KM	6.0 ♦	4.1 %	4.1 %	35		*	1.5		400u†	17	60m§	1.4	60mΔ	54			5E	F162	TO3
109	uA7906UC	6.0 ♦	4.1 %	4.1 %	35		*	1.5		400u†	17	120m§	1.4	120mΔ	54			0E	F162a	MP582
110	LM140LAH6.0	6.0	2.0 %	2.0 %	35	2.0	27m*	100m	200m†	2.0 %†	16	35m§	99m	50mΔ	53			5C	F148	CN40

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	2 MAX INPUT LINE VOLT V	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP CODE - +	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	LM240LAH6.0	6.0	2.0 %	2.0 %	35	2.0	27m*	100m	200m†	2.0 %†	17	35m§	99m	25mΔ	53			28	F148	CN40
2	LM240LAZ6.0	6.0	2.0 %	2.0 %	35	2.0	27m*	100m	200m†	2.0 %†	17	35m§	99m	25mΔ	53			28	F148	MP573
3	LM340LAH6.0	6.0	2.0 %	2.0 %	35	2.0	27m*	100m	200m†	2.0 %†	16	35m§	99m	50mΔ	53			07	F148	CN40
4	LM340LAZ6.0	6.0	2.0 %	2.0 %	35	2.0	27m*	100m	200m†	2.0 %†	16	35m§	99m	50mΔ	53			07	F148	MP573
5	LM340KC6.0	6.0	4.1 %	4.1 %	35	2.0	60m*	2.5	800m†	2.0 %†	17	120m§	1.4	120mΔ	57 †			07	F110	TO3
6	MC78M06CG	6.0	4.1 %	4.1 %	35	2.0	800m	500m		500u†	17	100m§	495m	120mΔ	80 †			0C	F174	TO39
7#	78M06CDB	6.0	4.1 %	4.1 %	35	2.0	850m	500m		500u†	17	100m§	495m	120mΔ	59			0E	F176	TO39
8#	78M06DB	6.0	4.1 %	4.1 %	35	2.0	850m	500m		.50m†	17	60m§	495m	60mΔ	59			5E	F176	TO39
9#	78M06CU	6.0	4.1 %	4.1 %	35	2.0	2.0	500m		500u†	17	100m§	495m	120mΔ	59			0E	F176a	Y220b
10#	7806CU	6.0	4.1 %	4.1 %	35	2.0	2.0	1.0		800u†	17	120m§	500m	60mΔ	59			0C	F176a	Y220b
11	MC78M06CT	6.0	4.1 %	4.1 %	35	2.0	2.0	500m		.50m†	17	100m§	495m	120mΔ	80 †			0C	F174a	Y220b
12	MC7906CT	6.0 ♦	4.1 %	4.1 %	35	2.0	2.0	1.5		1.0m†	17	120m§	1.5	120mΔ	65 †			0C	F116a	Y220b
13	MC7806CK	6.0	4.1 %	4.1 %	35	2.0	2.5	1.5	35m†	1.0m†	17	120m§	1.5	120mΔ	65 †			0C	F174b	CN48
14	MC7806CT	6.0	4.1 %	4.1 %	35	2.0	2.5	1.5		1.0m†	17	120m§	1.5	120mΔ	65 †			0C	F174a	Y220b
15	MC7906CK	6.0 ♦	4.1 %	4.1 %	35	2.0	2.5	1.5		1.0m†	17	120m§	1.5	120mΔ	65 †			0C	F116	CN48
16#	7806CDA	6.0	4.1 %	4.1 %	35	2.0	3.5	1.0		800u†	17	120m§	500m	60mΔ	59			0C	F176b	TO3
17#	7806DA	6.0	4.1 %	4.1 %	35	2.0	3.5	1.0		800u†	17	60m§	500m	30mΔ	65			5E	F176b	TO3
18	LM341P6.0	6.0	4.1 %	4.1 %	35		7.5 *	500m			16	120m§	495m	120mΔ	57 †			07	F150	MP577
19	LAS1406	6.0	5.0 %	5.0 %	35	2.5	15	1.5		30m%	10	2.0	1.5	600m	58			5E	F168	CN48b
20	LAS1506	6.0	5.0 %	5.0 %	35	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
21	LAS1806	6.0 ♦	5.0 %	5.0 %	35	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
22▼	LM340-6DA	6.0	4.2 %	4.2 %	35	8.0 *	15 *	1.5			17	120m§	1.4	120mΔ	57 †			07	F110	TO3
23▼	LM340-6U	6.0	4.2 %	4.2 %	35	8.0 *	15 *	1.5			17	120m§	1.4	120mΔ	57 †			07	F110	Y220b
24	LM340K6.0	6.0	4.1 %	4.1 %	35		15 *	1.5			17	120m§	1.4	120mΔ	57 †			07	F110	CN48a
25	LM340T6.0	6.0	4.1 %	4.1 %	35		15 *	1.5			17	120m§	1.4	120mΔ	57 †			07	F110	MP575
26	uA7806CDA	6.0	4.1 %	4.1 %	35	8.0 *	15 *	1.0	19 †	800u	18	60mΔ	1.5	60mΔ	59			08	F112	TO3
27	uA7806CU	6.0	4.1 %	4.1 %	35	8.0 *	15 *	1.0	19 †	800u	18	60mΔ	1.5	60mΔ	59			08	F112	Y220b
28	uA7806DA	6.0	4.1 %	4.1 %	35	9.0 *	15 *	1.0	19 †	800u	18	30mΔ	1.5	30mΔ	65			5C	F112	TO3
29	LAS6106	6.0	1.0 %	1.0 %	40	2.8		25		7.0mΔ		10mΔ	25	200m	60			5C	F137	MP541
30	LAS6206	6.0	5.0 %	5.0 %	40	2.8		25		7.0mΔ		10mΔ	25	200m	60			5C	F137a	MP541a
31	LAS6306	6.0	1.0 %	1.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137	MP541
32	LAS6406	6.0	5.0 %	5.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137a	MP541a
33	NC521	6.0	1.0	7.0	40	1.5	500m	200m	50m†	20mΔ		40mΔ	100m	250m	66 †			5C	F023	CN17a
34	NC523	6.0 ♦	1.0	7.0	40	1.5	500m	200m	50m†	20mΔ		40mΔ	100m	250m	66 †			5C	F024	CN17a
35	LAS2106	6.0	1.0 %	1.0 %	40	4.6	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F137	MP539
36	LAS2206	6.0	5.0 %	5.0 %	40	4.6	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F137a	MP539a
37	LAS2306	6.0	1.0 %	1.0 %	40	4.6	9.0	3.2		7.0mΔ		10mΔ	3.2	200m	60			5C	F137	MP539
38	LAS2406	6.0	5.0 %	5.0 %	40	4.6	9.0	3.2		7.0mΔ		10mΔ	3.2	200m	60			5C	F137a	MP539a
39	LAS2606	6.0 ♦	1.0 %	1.0 %	40	5.2	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F138	MP539
40	LAS2706	6.0 ♦	5.0 %	5.0 %	40	5.2	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F138a	MP539a
41	LAS2806	6.0 ♦	1.0 %	1.0 %	40	5.2	9.0	3.2		7.0mΔ		10mΔ	3.2	200m	60			5C	F138	MP539
42	LAS2906	6.0 ♦	5.0 %	5.0 %	40	5.2	9.0	3.2		7.0mΔ		10mΔ	3.2	200m	60			5C	F138a	MP539a
43	LAS4106	6.0	1.0 %	1.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F137	MP540
44	LAS4206	6.0	5.0 %	5.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F137a	MP540a
45	LAS4306	6.0	1.0 %	1.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F137	MP540
46	LAS4406	6.0	5.0 %	5.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F137a	MP540a
47	LAS4606	6.0 ♦	1.0 %	1.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F138	MP540a
48	LAS4706	6.0 ♦	5.0 %	5.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F138a	MP540a
49	LAS4806	6.0 ♦	1.0 %	1.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F138	MP540
50	LAS4906	6.0 ♦	5.0 %	5.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F138a	MP540a
51	LAS3206	6.0	5.7	6.3	40	2.5	140	10				10mΔ	10	200m	60			5E	F137b	MP539
52	LAS5206	6.0	5.7	6.3	40	2.5	270	20				14mΔ	20	200m	60			5E	F137b	MP540
53	LAS7206	6.0	5.7	6.3	40	2.5	400	30				16mΔ	30	200m	60			5E	F137b	MP541
54	MIVR42050-610	6.0			44		120	10		50mΔ	40	100m	10	200m	60			$F		TO3
55	MIVR42051-065	6.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
56	uA78L06ACLP	6.2	5.0 %	5.0 %	20		775m	100m			11	175m§	99m	80mΔ	40			0C	F164a	MP597
57	uA78L06CLP	6.2	10 %	10 %	20		775m	100m			11	200m§	99m	80mΔ	39			0C	F164a	MP597
58	uA78L06ACJG	6.2	5.0 %	5.0 %	20		1.1	100m			11	175m§	99m	80mΔ	40			0C	F164	MP401d
59	uA78L06CJG	6.2	10 %	10 %	20		1.1	100m			11	200m§	99m	80mΔ	39			0C	F164	MP401d
60	uA78L62AWC	6.2	4.0 %	4.0 %	30		*	100m		750u†	11	175m§	99m	80mΔ	40			0E	F130	TO92
61	uA78L62AWV	6.2	4.0 %	4.0 %	30		*	100m		750u†	11	175m§	99m	80mΔ	40			4C	F130	TO92
62#	78L06ACS	6.2	5.0 %	5.0 %	30	1.7	700m	100m			11	125m§	99m	80mΔ	40			0C	F175a	TO92
63#	78L06CS	6.2	10 %	10 %	30	1.7	700m	100m			11	150m§	99m	80mΔ	39			0C	F175a	TO92
64	uA78L06AS	6.2	4.0 %	4.0 %	30		700m*	100m			11	175m§	99m	80mΔ	40			0E	F130	TO92
65	uA78L06S	6.2	8.0 %	8.0 %	30		700m*	100m			11	200m§	99m	80mΔ	39			0E	F130	TO92
66#	S1001	6.5 ♦	4.0	9.0	40	2.2	2.5	250m	20m	50mΔ		12mΔ			63			28	F086	MP232
67#	S1002	6.5 ♦	4.0	4.0	40	2.2	2.5	250m	20m	50mΔ		12mΔ			63			28	F086	MP232
68#	S1007	6.5 ♦	4.0	9.0	40	3.1	3.0	500m	20m	50mΔ		16mΔ			63			28	F086	MP233
69#	S1008	6.5 ♦	4.0	9.0	40	3.1	3.0	500m	20m	50mΔ		16mΔ			63			28	F086	MP233
70#	S1013	7.0 ♦	4.0	10	40	3.0	10	2.0	5.0m	50mΔ		16mΔ			63			28	F086	MP234
71#	S1014	7.0 ♦	4.0	10	40	3.0	10	2.0	5.0m	50mΔ		16mΔ			63			28	F086	MP234
72#	S1021	7.0 ♦	4.0	10	40	2.7	25	5.0	5.0m	30mΔ		16mΔ			63			2B	F086	MP235
73#	S1022	7.0 ♦	4.0	10	40	2.7	25	5.0	5.0m	30mΔ		16mΔ			63			2B	F086	MP235
74	MIVR42050-710	7.0			44		120	10		50mΔ	40	100m	10	200m	60			$F		TO3
75	MIVR42051-075	7.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
76	uA78L08ACLP	8.0	5.0 %	5.0 %	23		775m	100m			12	175m§	99m	80mΔ	37			0C	F164a	MP597
77	uA78L08CLP	8.0	10 %	10 %	23		775m	100m			12	200m§	99m	80mΔ	36			0C	F164a	MP597
78	uA78L08ACJG	8.0	5.0 %	5.0 %	23		1.1	100m			12	175m§	99m	80mΔ	37			0C	F164	MP401d
79	uA78L08CJG	8.0	10 %	10 %	23		1.1	100m			12	200m§	99m	80mΔ	36			0C	F164	MP401d
80▼	SG120-8K	8.0 ♦	2.5 %	2.5 %	25	1.0	*	1.5		600u†	14	25m§	1.4	80mΔ	54			5F	F187	TO3
81▼	SG120-8R	8.0 ♦	2.5 %	2.5 %	25	1.0	*	1.5		600u†	14	25m§	1.4	80mΔ	54			5F	F187	TO66
82▼	SG120-8T	8.0 ♦	2.5 %	2.5 %	25	1.0	*	500m		600u†	14	25m§	495m	25mΔ	54			5F	F187	TO39
83♦	SG140-08K	8.0	3.7 %	3.7 %	25	10 *	*	1.5	16m†	600u†	14	80m§	1.4	80mΔ	72 †			5F	F091	TO3
84▼	SG140-08R	8.0	3.7 %	3.7 %	25	10 *	*	1.5		600u†	14	80m§	1.4	80mΔ	72 †			5F	F091	TO66
85♦	SG140-08T	8.0	3.7 %	3.7 %	25	10 *	*	500m	16m†	600u†	14	80m§	495m	80mΔ	72 †			5F	F091	TO39
86▼	SG220-8K	8.0 ♦	2.5 %	2.5 %	25	1.0	*	1.5		600u†	14	25m§	1.4	80mΔ	54			2F	F187	TO3
87▼	SG220-8R	8.0 ♦	2.5 %	2.5 %	25	1.0	*	1.5		600u†	14	25m§	1.4	80mΔ	54			2F	F187	TO66
88▼	SG220-8T	8.0 ♦	2.5 %	2.5 %	25	1.0	*	500m		600u†	14	25m§	495m	25mΔ	54			2F	F187	TO39
89▼	SG320-8K	8.0 ♦	3.8 %	3.8 %	25	1.0	*	1.5		600u†	14	40m§	1.4	100mΔ	54			0C	F187	TO3
90▼	SG320-8P	8.0 ♦	3.8 %	3.8 %	25	1.0	*	1.5		600u†	14	40m§	1.4	100mΔ	54			0C	F187	Y220b
91▼	SG320-8R	8.0 ♦	3.8 %	3.8 %	25	1.0	*	1.5		600u†	14	40m§	1.4	100mΔ	54			0C	F187	TO66
92▼	SG320-8T	8.0 ♦	3.8 %	3.8 %	25	1.0	*	500m		600u†	14	40m§	495m	40mΔ	54			0C	F187	TO39
93♦	SG340-08K	8.0	3.7 %	3.7 %	25	10 *	*	1.5	16m†	600u†	14	160m§	1.4	160mΔ	72 †			0C	F091	TO3
94▼	SG340-08P	8.0	3.7 %	3.7 %	25	10 *	*	1.5		600u†	14	160m§	1.4	160mΔ	72 †			0C	F091	Y220b
95▼	SG340-08R	8.0	3.7 %	3.7 %	25	10 *	*	1.5		600u†	14	160m§	1.4	160mΔ	72 †			0C	F091	TO66
96♦	SG340-08T	8.0	3.7 %	3.7 %	25	10 *	*	500m	16m†	600u†	14	160m§	495m	80mΔ	72 †			0C	F091	TO39
97	SG7808ACK	8.0	2.0 %	2.0 %	25	10 *	*	1.5		600u	15	80m§	1.5	80mΔ	72 †			0C	F180b	TO3
98▼	SG7808ACP	8.0	1.8 %	1.8 %	25	10 *	*	1.5		600u	15	80m§	1.5	80mΔ	72 †			0C	F180c	Y220b
99	SG7808ACR	8.0	2.0 %	2.0 %	25	10 *	*	1.5		600u	15	80m§	1.5	80mΔ	72 †			0C	F180	TO66
100♦	SG7808ACT	8.0	2.0 %	2.0 %	25	10 *	*	500m		600u	15	80m§	495m	40mΔ	72 †			0C	F180a	TO39
101	SG7808AK	8.0	2.0 %	2.0 %	25	10 *	*	1.5		600u	15	40m§	1.5	70mΔ	72 †			5E	F180b	TO3
102	SG7808AR	8.0	2.0 %	2.0 %	25	10 *	*	1.5		600u	15	40m§	1.5	70mΔ	72 †			5E	F180	TO66
103♦	SG7808AT	8.0	2.0 %	2.0 %	25	10 *	*	500m		600u	15	40m§	495m	35mΔ	72 †			5E	F180a	TO39
104♦	SG7808CK	8.0	3.7 %	3.7 %	25	10 *	*	1.5	16m†	600u†	14	160m§	1.4	160mΔ	72 †			0C	F091	TO3
105▼	SG7808CP	8.0	3.7 %	3.7 %	25	10 *	*	1.5		600u†	14	160m§	1.4	160mΔ	72 †			0C	F091	Y220b
106▼	SG7808CR	8.0	3.7 %	3.7 %	25	10 *	*	1.5		600u†	14	160m§	1.4	160mΔ	72 †			0C	F091	TO66
107♦	SG7808CT	8.0	3.7 %	3.7 %	25	10 *	*	500m	16m†	600u†	14	160m§	495m	80mΔ	72 †			0C	F091	TO39
108♦	SG7808K	8.0	3.7 %	3.7 %	25	10 *	*	1.5	16m†	600u†	14	80m§	1.4	80mΔ	72 †			5E	F091	TO3
109▼	SG7808R	8.0	3.7 %	3.7 %	25	10 *	*	1.5		600u†	14	80m§	1.4	80mΔ	72 †			0F	F091	TO66
110♦	SG7808T	8.0	3.7 %	3.7 %	25	10 *	*	500m	16m†	600u†	14	80m§	495m	80mΔ	72 †			5E	F091	TO39

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	SG7908CK	8.0 ♦	3.8 %	3.8 %	25	1.0	*	1.5		600u†	14	160m§	1.4	160mΔ	54			0C	F187	TO3
2▼	SG7908CP	8.0 ♦	3.8 %	3.8 %	25	1.0	*	1.5		600u†	14	160m§	1.4	160mΔ	54			0C	F187	Y220
3▼	SG7908CR	8.0 ♦	3.8 %	3.8 %	25	1.0	*	1.5		600u†	14	160m§	1.4	160mΔ	54			0C	F187	TO66
4▼	SG7908CT	8.0 ♦	3.8 %	3.8 %	25	1.0	*	500m		600u†	14	160m§	495m	80mΔ	54			0C	F187	TO39
5▼	SG7908K	8.0 ♦	3.8 %	3.8 %	25	1.0	*	1.5		600u†	14	80m§	1.4	80mΔ	54			5F	F187	TO3
6▼	SG7908R	8.0 ♦	3.8 %	3.8 %	25	1.0	*	1.5		600u†	14	80m§	1.4	80mΔ	54			5F	F187	TO66
7▼	SG7908T	8.0 ♦	3.8 %	3.8 %	25	1.0	*	500m		600u†	14	80m§	495m	40mΔ	54			5F	F187	TO39
8	uA78M08CLA	8.0	3.7 %	3.7 %	25		600m	500m			14	100m§	495m	160mΔ	56			0C	F161b	CN40
9	uA78M08MLA	8.0	3.7 %	3.7 %	25		600m	500m			14	60m§	495m	80mΔ	56			5C	F161b	CN40
10	uA79M08CLA	8.0 ♦	3.7 %	3.7 %	25		600m	500m			14	80m§	495m	160mΔ	50			0C	F163b	CN40
11	uA79M08MLA	8.0 ♦	3.7 %	3.7 %	25		600m	500m			14	80m§	495m	160mΔ	50			5C	F163b	CN40
12	uA78M08CKD	8.0	3.7 %	3.7 %	25		1.5	500m			14	100m§	495m	160mΔ	56			0C	F161a	MP596
13	uA79M08CKD	8.0 ♦	3.7 %	3.7 %	25		1.5	500m			14	80m§	495m	160mΔ	50			0C	F163a	MP596
14	LM120H8.0	8.0 ♦	2.5 %	2.5 %	25	2.5	2.0 *	500m			14	25m§	495m	25mΔ	54			5F	F152	CN40
15	LM220H8.0	8.0 ♦	2.5 %	2.5 %	25	2.5	2.0 *	500m			14	25m§	495m	25mΔ	54			2F	F152	CN40
16	LM320H8.0	8.0 ♦	3.7 %	3.7 %	25	2.5	2.0 *	500m			15	40m§	495m	40mΔ	54			0C	F152	CN40
17	uA78M08CKC	8.0	3.7 %	3.7 %	25		2.0	500m			14	100m§	495m	160mΔ	56			0C	F161	Y220b
18	uA79M08CKC	8.0 ♦	3.7 %	3.7 %	25		2.0	500m			14	80m§	495m	160mΔ	50			0C	F163	Y220b
19	uA7808CKC	8.0	3.7 %	3.7 %	25		2.0	1.5	16m†	800u†	14	160m§	1.4	160mΔ	56			0C	F165a	Y220b
20	uA7908CKC	8.0 ♦	3.7 %	3.7 %	25		2.0	1.5		600u†	14	160m§	1.4	160mΔ	54			0C	F162a	Y220b
21	DVR-8	8.0			25	2.5	2.4	200m	80m†		55	50m§	50m	50m						MP676
22	uA7808CKA	8.0	3.7 %	3.7 %	25		3.5	1.5	16m†	800u†	14	160m§	1.4	160mΔ	56			0C	F165	TO3
23	uA7808MKA	8.0	3.7 %	3.7 %	25		3.5	1.5	16m†	800u†	14	80m§	1.4	80mΔ	62			5C	F165	TO3
24	uA7908CKA	8.0 ♦	3.7 %	3.7 %	25		3.5	1.5		600u†	14	160m§	1.4	160mΔ	54			0C	F162	TO3
25	uA7908MKA	8.0 ♦	3.7 %	3.7 %	25		3.5	1.5		600u†	14	80m§	1.4	80mΔ	54			5C	F162	TO3
26	LM320MP8.0	8.0 ♦	3.7 %	3.7 %	25	2.5	7.5 *	500m			15	40m§	495m	100mΔ	54			0C	F152	Y202a
27	LM320T8.0	8.0 ♦	3.7 %	3.7 %	25		15	1.5			14	40m§	1.4	120mΔ				0C	F152	MP575
28	LM120K8.0	8.0 ♦	2.5 %	2.5 %	25	2.5	20 *	1.5			15	25m§	1.4	80mΔ	54			5F	F152	TO3
29	LM220K8.0	8.0 ♦	2.5 %	2.5 %	25	2.5	20 *	1.5			15	25m§	1.4	80mΔ	54			2F	F152	TO3
30	LM320K8.0	8.0 ♦	3.7 %	3.7 %	25	2.5	20 *	1.5			15	40m§	1.4	100mΔ	54			0C	F152	TO3
31	LM78L08ACH	8.0	5.0 %	5.0 %	30		*	100m			12	175m§	99m	80mΔ	37			07	F148	CN38d
32	LM78L08ACZ	8.0	5.0 %	5.0 %	30		*	100m			12	175m§	99m	80mΔ	37			07	F148	MP573
33	LM78L08CH	8.0	10 %	10 %	30		*	100m			12	200m§	99m	80mΔ	36			07	F148	CN38d
34	LM78L08CZ	8.0	10 %	10 %	30		*	100m			12	200m§	99m	80mΔ	36			07	F148	MP573
35	LM342P8.0	8.0	3.7 %	3.7 %	30		*	200m			14	160m§	199m	160mΔ	39			07	F151	MP577
36	MC78L08ACP	8.0	5.0 %	5.0 %	30	1.7	700m	100m			12	175m§	99m	80mΔ	37			0C	F144a	TO92
37	MC78L08CP	8.0	10 %	10 %	30	1.7	700m	100m			12	200m§	99m	80mΔ	36			0C	F144a	TO92
38▼	uA78L09ACLP	8.0	5.0 %	5.0 %	30	1.7	775m	100m			12	175m§	99m	90mΔ	37			0F	F164a	MP597
39▼	uA78L09CLP	8.0	10 %	10 %	30	1.7	775m	100m			12	225m§	99m	90mΔ	36			0F	F164a	MP597
40▼	uA78L09ACJG	8.0	5.0 %	5.0 %	30	1.7	825m	100m			12	175m§	99m	90mΔ	37			0F	F164	MP401d
41▼	uA78L09CJG	8.0	10 %	10 %	30	1.7	825m	100m			12	225m§	99m	90mΔ	36			0F	F164	MP401d
42	MC78L08ACG	8.0	5.0 %	5.0 %	30	1.7	850m	100m			12	175m§	99m	80mΔ	37			0C	F144	TO39
43	MC78L08CG	8.0	10 %	10 %	30	1.7	850m	100m			12	200m§	99m	80mΔ	36			0C	F144	TO39
44▼	LAS1908	8.0	5.0 %	5.0 %	30	2.6	50	5.0		30m%	9.0	2.0	4.9	600m	60			5D	F182	TO3
45#	SFC2808EC	8.0	3.7 %	3.7 %	35	2.0					11	160m§	1.5	160mΔ	62 †			07		Y220b
46#	SFC2808RC	8.0	3.7 %	3.7 %	35	2.0					11	160m§	1.5	160mΔ	62 †			07		TO3
47#	TDB7808	8.0	3.7 %	3.7 %	35			2.2	16m†	800u†§	14	160m§	1.4	160mΔ	56			08	F183	TO3
48#	TDB7808T	8.0	3.7 %	3.7 %	35			2.2	16m†	800u†§	14	160m§	1.4	160mΔ	56			08	F183	Y220a
49#	TDC7808	8.0	3.7 %	3.7 %	35			2.2	16m†	800u†§	14	80m§	1.4	80mΔ	62			5C	F183	TO3
50	uA78M08HC	8.0	3.8 %	3.8 %	35		*	500m		500u†	14	100m§	495m	100mΔ	56			0E	F112	CN38c
51	uA78M08HM	8.0	3.8 %	3.8 %	35		*	500m		500u†	14	60m§	495m	80mΔ	56			5E	F112	CN38c
52	uA78M08UC	8.0	3.8 %	3.8 %	35		*	500m		500u†	14	100m§	495m	100mΔ	56			0E	F112	MP582
53	uA79M08AHC	8.0 ♦	3.7 %	3.7 %	35		*	500m		600u	14	80m§	495m	160mΔ	50			0E	F141	CN38c
54	uA79M08AUC	8.0 ♦	3.7 %	3.7 %	35		*	500m		600u	14	80m§	495m	160mΔ	50			0E	F141	MP582
55	uA79M08HM	8.0 ♦	3.7 %	3.7 %	35		*	500m		600u	14	80m§	495m	160mΔ	50			5E	F141	CN38c
56	uA7808KC	8.0	3.7 %	3.7 %	35			2.2	16m†	800u†§	14	160m§	1.4	160mΔ	56			0C	F091	TO3
57	uA7808KM	8.0	3.7 %	3.7 %	35			2.2	16m†	800u†§	14	80m§	1.4	80mΔ	62			5F	F091	TO3
58	uA7808UC	8.0	3.7 %	3.7 %	35			2.2	16m†	800u†§	14	160m§	1.4	160mΔ	56			0C	F091	MP582
59	uA7908KC	8.0 ♦	3.7 %	3.7 %	35		*	1.5		600u†	14	160m§	1.4	160mΔ	54			0E	F162	TO3
60	uA7908KM	8.0 ♦	3.7 %	3.7 %	35		*	1.5		600u†	14	80m§	1.4	80mΔ	54			5E	F162	TO3
61	uA7908UC	8.0 ♦	3.7 %	3.7 %	35		*	1.5		600u†	14	160m§	1.4	160mΔ	54			0E	F158	MP582
62	uPC14308H	8.0	3.7 %	3.7 %	35			1.5		800u†§	14	160m§	1.4	160mΔ	56			0C	F091	TO220
63	LM140LAH8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m§	99m	60mΔ	51			5C	F148	CN40
64	LM240LAH8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m§	99m	30mΔ	51			28	F148	CN40
65	LM240LAZ8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m§	99m	30mΔ	51			28	F148	MP573
66	LM340LAH8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m§	99m	60mΔ	51			07	F148	CN40
67	LM340LAZ8.0	8.0	2.0 %	2.0 %	35	2.2	36m*	100m	200m†	2.0 %†	14	42m§	99m	60mΔ	51			07	F148	MP573
68	LM340KC8.0	8.0	3.8 %	3.8 %	35	2.5	80m*	2.5	800m†	2.0 %†	14	160m§	1.4	160mΔ	55 †			07	F110	TO3
69	MC78M08CG	8.0	3.7 %	3.7 %	35	2.0	800m	500m		500u†	14	100m§	495m	160mΔ	80 †			0C	F174	TO39
70#	78M08CDB	8.0	3.7 %	3.7 %	35	2.0	850m	500m		500u†	14	100m§	495m	160mΔ	56			0E	F176	TO39
71#	78M08DB	8.0	3.7 %	3.7 %	35	2.0	850m	500m		.50m†	14	60m§	495m	80mΔ	56			5E	F176	TO39
72#	78M08CU	8.0	3.7 %	3.7 %	35	2.0	2.0	500m		500u†	14	100m§	495m	160mΔ	56			0E	F176a	Y220b
73#	7808CU	8.0	3.7 %	3.7 %	35	2.0	2.0	1.0		800u†	14	160m§	500m	80mΔ	56			0C	F176a	Y220b
74	MC78M08CT	8.0	3.7 %	3.7 %	35	2.0	2.0	500m		.50m†	14	100m§	495m	160mΔ	80 †			0C	F174a	Y220b
75	MC7908CT	8.0 ♦	3.7 %	3.7 %	35	2.0	2.0	1.5		1.0m†	14	160m§	1.5	160mΔ	62 †			0C	F116a	Y220b
76	MC7808CK	8.0	3.7 %	3.7 %	35	2.0	2.5	1.5	40m†	1.0m†	15	160m§	1.5	160mΔ	62 †			0C	F174b	CN48
77	MC7808CT	8.0	3.7 %	3.7 %	35	2.0	2.5	1.5		1.0m†	14	160m§	1.5	160mΔ	62 †			0C	F174a	Y220b
78	MC7908CK	8.0 ♦	3.7 %	3.7 %	35	2.0	2.5	1.5		1.0m†	14	160m§	1.5	160mΔ	62 †			0C	F116	CN48
79#	7808CDA	8.0	3.7 %	3.7 %	35	2.0	3.5	1.0		800u†	14	160m§	500m	80mΔ	56			0C	F176b	TO3
80#	7808DA	8.0	3.7 %	3.7 %	35	2.0	3.5	1.0		800u†	14	80m§	500m	40mΔ	62			5E	F176b	TO3
81	LM341P8.0	8.0	3.7 %	3.7 %	35		7.5 *	500m			14	160m§	495m	160mΔ	55 †			07	F150	MP577
82♦	uA78C08U1C	8.0	3.7 %	3.7 %	35	5.0	7.5 *	500m			10	40m§	455m	80mΔ	54 †			0C	F185	MP732
83	LAS1408	8.0	5.0 %	5.0 %	35	2.5	15	1.5		30m%	10	2.0	1.5	600m	58			5E	F168	CN48b
84	LAS1508	8.0	5.0 %	5.0 %	35	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
85	LAS1808	8.0 ♦	5.0 %	5.0 %	35	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
86▼	LM340-8DA	8.0	3.8 %	3.8 %	35	10 *	15 *	1.5			14	160m§	1.4	160mΔ	55 †			07	F110	TO3
87▼	LM340-8U	8.0	3.8 %	3.8 %	35	10 *	15 *	1.5			14	160m§	1.4	160mΔ	55 †			07	F110	Y220b
88	LM340K8.0	8.0	3.7 %	3.7 %	35		15 *	1.5			14	160m§	1.4	160mΔ	55 †			07	F110	CN48a
89	LM340T8.0	8.0	3.7 %	3.7 %	35		15 *	1.5			14	160m§	1.4	160mΔ	55 †			07	F110	MP575
90	uA7808CDA	8.0	3.7 %	3.7 %	35	10 *	15 *	1.0	16 †	800u	18	80mΔ	1.5	80mΔ	56			08	F112	TO3
91	uA7808CU	8.0	3.7 %	3.7 %	35	10 *	15 *	1.0	16 †	800u	18	80mΔ	1.5	80mΔ	56			08	F112	Y220b
92	uA7808DA	8.0	3.7 %	3.7 %	35	11 *	15 *	1.0	16 †	800u	18	40mΔ	1.5	40mΔ	62			5C	F112	TO3
93	MIVR42050-810	8.0			44		120	10		50mΔ	40	100m	10	200m	60			$F		TO3
94	MIVR42051-085	8.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
95	uA78L82AWC	8.2	4.0 %	4.0 %	30		*	100m		800u†	12	175m§	99m	80mΔ	39			0E	F130	TO92
96	uA78L82AWV	8.2	4.0 %	4.0 %	30		*	100m		800u†	12	175m§	99m	80mΔ	39			4C	F130	TO92
97	uA78C82U1C	8.2	3.0 %	3.0 %	35							100m§		82mΔ	54 †			07	F091	
98#	TBA435AX5	8.5	4.7 %	4.7 %	20	11 *	750m	100u	100m†	3.0m†Δ		600mΔ		1.0 Δ	46			07	F078	TO39
99	uA7885CKC	8.5	4.1 %	4.1 %	25		2.0	1.5	16m†	800u†		170m§	1.4	170mΔ	54			0C	F165a	Y220b
100	uA7885CKA	8.5	4.1 %	4.1 %	25		3.5	1.5	16m†	800u†	14	170m§	1.4	170mΔ	54			0C	F165	TO3
101	uA7885MKA	8.5	4.1 %	4.1 %	25		3.5	1.5	16m†	800u†	14	85m§	1.4	85mΔ	60			5C	F165	TO3
102	uA7885KC	8.5	4.1 %	4.1 %	35		*	1.5	16m†	800u†	14	170m§	1.4	170mΔ	54			0E	F091	TO3
103	uA7885KM	8.5	4.1 %	4.1 %	35		*	1.5	16m†	800u†	14	85m§	1.4	85mΔ	60			5E	F091	TO3
104	uA7885UC	8.5	4.1 %	4.1 %	35		*	1.5	16m†	800u†	14	170m§	1.4	170mΔ	54			0E	F091	MP582
105	uA78L09AHC	9.0	4.0 %	4.0 %	30							188m§		90mΔ	38 †			07	F130	TO39
106	uA78L09AWC	9.0	4.0 %	4.0 %	30							188m§		90mΔ	38 †			07	F130	TO92
107	uA78L09AWV	9.0	4.0 %	4.0 %	30							188m§		90mΔ	38 †			07	F130	TO92
108	801V9	9.0	1.0 %	1.0 %	30	4.0	1.8	500m				50mΔ	500m	50m				5C		MP34
109	LM120H9.0	9.0 ♦	2.2 %	2.2 %	30	2.5	2.0 *	200m			18	10m§	195m	25mΔ	56			5F	F152a	CN40
110	LM220H9.0	9.0 ♦	2.2 %	2.2 %	30		2.0 *	200m			18	10m§	195m	25mΔ	56			2F	F152a	CN40

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	LM320H9.0	9.0 ♦	3.8 %	3.8 %	30	2.5	2.0 *	200m			18	20m§	195m	40mΔ	56			0C	F152a	CN40
2	LM320MP9.0	9.0 ♦	3.8 %	3.8 %	30	2.5	7.5 *	500m			18	20m§	495m	100mΔ	56			0C	F152a	Y202a
3	LM320K9.0	9.0 ♦	3.8 %	3.8 %	30	2.5	20 *	1.0			18	20m§	995m	80mΔ	56			0C	F152a	TO3
4	LM120K9.0	9.0 ♦	2.2 %	2.2 %	32	2.0	20 *	1.0			18	10m§	995m	80mΔ	56			5F	F152a	TO3
5	LM220K9.0	9.0 ♦	2.2 %	2.2 %	32	2.0	20 *	1.0			18	10m§	995m	80mΔ	56			2F	F152a	TO3
6	LM320T9.0	9.0 ♦	3.8 %	3.8 %	35	2.5	15 *	1.0			18	20m§	995m	80mΔ	56			0C	F152a	Y220b
7	809V9	9.0			40	2.0	1.6	750m				30mΔ		3.0 *				5C		MP34e
8	MIVR42050-910	9.0			44		120	10		50mΔ	40	100m	10	200m	60			$F		TO3
9	MIVR42051-095	9.0 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
10	MC1460G	9.7	2.5	17	20	3.0	3.0	250m	100m	2.0m%		30mΔ	19m	2.0mΔ	62		50n	07	F042	CN10b
11	MC1460R	9.7	2.5	17	20	3.0	3.0	600m	100m	2.0m%		30mΔ	19m	2.0mΔ	62		50n	07	F042	CN30
12	MC1560G	9.7	2.5	17	20	2.7	3.0	250m	60m	2.0m%		15mΔ	19m	1.2mΔ	62		50n	5C	F042	CN10b
13	MC1560R	9.7	2.5	17	20	2.7	3.0	600m	60m	2.0m%		15mΔ	19m	1.2mΔ	62		50n	5C	F042	CN30
14#	ESM700	10	2.3 %	2.3 %	16	1.7		220m		500u								4C		TO126
15▼	R675B-1	10	50m%	50m%	20	5.5	300m	15m	200m	10u	6.0	300u		200u*				5C		TO99
16▼	R675B-2	10	50m%	50m%	20	5.5	300m	15m	200m	45u	6.0	300u		200u*				5C		TO99
17▼	R675C-1	10	50m%	50m%	20	5.5	300m	15m	200m	5.0u	6.0	300u		200u*				07		TO99
18▼	R675C-2	10	50m%	50m%	20	5.5	300m	15m	200m	25u	6.0	300u		200u*				07		TO99
19▼	R675B-3	10 §	50m%	50m%	20	6.0	500m	15m	20m	10u	6.0	300u		4.0m*				5C		MP488a
20▼	R675B-4	10	50m%	50m%	20	5.5	500m	15m	20m	10u	6.0	300u		4.0m*				5C		MP488a
21▼	R675B-5	10 ♦	50m%	50m%	20	5.5	500m	15m	20m	10u	6.0	300u		4.0m*				5C		MP488a
22▼	R675B-6	10 §	50m%	50m%	20	6.0	500m	15m	20m	10u	6.0	300u		4.0m*				5C		MP488a
23▼	R675B-7	10	50m%	50m%	20	5.5	500m	15m	20m	10u	6.0	300u		4.0m*				5C		MP488a
24▼	R675B-8	10 ♦	50m%	50m%	20	5.5	500m	15m	20m	10u	6.0	300u		4.0m*				5C		MP488a
25▼	R675C-3	10 §	50m%	50m%	20	6.0	500m	15m	20m	5.0u	6.0	300u		4.0m*				07		MP488a
26▼	R675C-4	10	50m%	50m%	20	5.5	500m	15m	20m	5.0u	6.0	300u		4.0m*				07		MP488a
27▼	R675C-5	10 ♦	50m%	50m%	20	5.5	500m	15m	20m	5.0u	6.0	300u		4.0m*				07		MP488a
28▼	R675C-6	10 §	50m%	50m%	20	6.0	500m	15m	20m	5.0u	6.0	300u		4.0m*				07		MP488a
29▼	R675C-7	10	50m%	50m%	20	5.5	500m	15m	20m	5.0u	6.0	300u		4.0m*				07		MP488a
30▼	R675C-8	10 ♦	50m%	50m%	20	5.5	500m	15m	20m	5.0u	6.0	300u		4.0m*				07		MP488a
31	770-501	10 §			23	21 *		20m	10m	200u	1.1	10m	20m	5.0m			2.0u	05		MP46
32#	ESM1410	10	5.0 %	5.0 %	27	3.0	1.2	900m	60m†	1.2m†	6.5	33m	440m	1.0	46			07		TO126
33▼	PVS10B-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	300uΔ	2.8	100u	10m	50uΔ				07		MP239a
34▼	PVS10B-B	10	1.0m%	1.0m%	30	5.0	560m	10m	25m	300uΔ	2.8	300u	10m	250uΔ				07		MP239
35▼	PVS10B-C	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	300uΔ	2.8	100u	10m	50uΔ				07		MP326
36▼	PVS10C-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	300uΔ	2.8	100u	10m	50uΔ				07		MP239a
37▼	PVS10C-B	10	1.0m%	1.0m%	30	5.0	560m	10m	25m	300uΔ	2.8	300u	10m	250uΔ				07		MP239
38▼	PVS10C-C	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	300uΔ	2.8	100u	10m	50uΔ				07		MP326
39▼	PVS10G-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	500uΔ	2.8	100u	10m	50uΔ				07		MP239a
40▼	PVS10G-B	10	1.0m%	1.0m%	30	5.0	560m	10m	25m	500uΔ	2.8	300u	10m	250uΔ				07		MP239
41▼	PVS10G-C	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	500uΔ	2.8	100u	10m	50uΔ				07		MP326
42	PVS10GA-A	10	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	500u				07		MP239a
43▼	PVS10H-A	10	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	500uΔ	2.8	100u	2.0m	10uΔ				07		MP239a
44▼	PVS10H-B	10	5.0m%	5.0m%	30	5.0	560m	2.0m	25m	500uΔ	2.8	300u	2.0m	50uΔ				07		MP239
45▼	PVS10H-C	10	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	500uΔ	2.8	100u	2.0m	10uΔ				07		MP326
46▼	PVS10H-D	10	5.0m%	5.0m%	30	5.0	560m	2.0m	100m	500uΔ	2.8	300u	2.0m	200uΔ				07		MP327
47▼	PVS10J-A	10	10m%	10m%	30	5.0	560m	10m	5.0m	500uΔ	2.8	100u	10m	50uΔ				2A		MP239a
48▼	PVS10J-B	10	10m%	10m%	30	5.0	560m	10m	25m	500uΔ	2.8	300u	10m	250uΔ				2A		MP239
49▼	PVS10J-C	10	10m%	10m%	30	5.0	560m	10m	5.0m	500uΔ	2.8	100u	10m	50uΔ				2A		MP326
50▼	PVS10K-A	10	10m%	10m%	30	5.0	560m	2.0m	5.0m	500uΔ	2.8	100u	2.0m	10uΔ				2A		MP239a
51▼	PVS10K-B	10	10m%	10m%	30	5.0	560m	2.0m	25m	500uΔ	2.8	300u	2.0m	50uΔ				2A		MP239
52▼	PVS10K-C	10	10m%	10m%	30	5.0	560m	2.0m	5.0m	500uΔ	2.8	100u	2.0m	10uΔ				2A		MP326
53▼	PVS10K-D	10	10m%	10m%	30	5.0	560m	2.0m	100m	500uΔ	2.8	300u	2.0m	200uΔ				2A		MP327
54▼	PVS10M-A	10	20m%	20m%	30	5.0	560m	10m	5.0m	1.0mΔ	2.8	100u	10m	50uΔ				5C		MP239a
55▼	PVS10M-B	10	20m%	20m%	30	5.0	560m	10m	25m	1.0mΔ	2.8	300u	10m	250uΔ				5C		MP239
56▼	PVS10M-C	10	20m%	20m%	30	5.0	560m	10m	5.0m	1.0mΔ	2.8	100u	10m	50uΔ				5C		MP326
57▼	PVS10N-A	10	20m%	20m%	30	5.0	560m	2.0m	5.0m	1.0mΔ	2.8	100u	2.0m	10uΔ				5C		MP239a
58▼	PVS10N-B	10	20m%	20m%	30	5.0	560m	2.0m	25m	1.0mΔ	2.8	300u	2.0m	50uΔ				5C		MP239
59▼	PVS10N-C	10	20m%	20m%	30	5.0	560m	2.0m	5.0m	1.0mΔ	2.8	100u	2.0m	10uΔ				5C		MP326
60▼	PVS10N-D	10	20m%	20m%	30	5.0	560m	2.0m	100m	1.0mΔ	2.8	300u	2.0m	200uΔ				5C		MP327
61▼	PVSN10B-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	50uΔ				07		MP239a
62▼	PVSN10B-B	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	25m	5.0u	2.8	300u	10m	250uΔ				07		MP239
63▼	PVSN10B-C	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	50uΔ				07		MP326
64▼	PVSN10C-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	50uΔ				07		MP239a
65▼	PVSN10C-B	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	25m	5.0u	2.8	300u	10m	250uΔ				07		MP239
66▼	PVSN10C-C	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	5.0u	2.8	100u	10m	50uΔ				07		MP326
67▼	PVSN10G-A	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	50uΔ				07		MP239a
68▼	PVSN10G-B	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	25m	10u	2.8	300u	10m	250uΔ				07		MP239
69▼	PVSN10G-C	10 ♦	1.0m%	1.0m%	30	5.0	560m	10m	5.0m	10u	2.8	100u	10m	50uΔ				07		MP326
70▼	PVSN10H-A	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	10uΔ				07		MP239a
71▼	PVSN10H-B	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	25m	30u	2.8	300u	2.0m	50uΔ				07		MP239
72▼	PVSN10H-C	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	5.0m	30u	2.8	100u	2.0m	10uΔ				07		MP326
73▼	PVSN10H-D	10 ♦	5.0m%	5.0m%	30	5.0	560m	2.0m	100m	30u	2.8	300u	2.0m	200uΔ				07		MP327
74▼	PVSN10J-A	10 ♦	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	50uΔ				2A		MP239a
75▼	PVSN10J-B	10 ♦	10m%	10m%	30	5.0	560m	10m	25m	50u	2.8	300u	10m	250uΔ				2A		MP239
76▼	PVSN10J-C	10 ♦	10m%	10m%	30	5.0	560m	10m	5.0m	50u	2.8	100u	10m	50uΔ				2A		MP326
77▼	PVSN10K-A	10 ♦	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	10uΔ				2A		MP239a
78▼	PVSN10K-B	10 ♦	10m%	10m%	30	5.0	560m	2.0m	25m	50u	2.8	300u	2.0m	50uΔ				2A		MP239
79▼	PVSN10K-C	10 ♦	10m%	10m%	30	5.0	560m	2.0m	5.0m	50u	2.8	100u	2.0m	10uΔ				2A		MP326
80▼	PVSN10K-D	10 ♦	10m%	10m%	30	5.0	560m	2.0m	100m	50u	2.8	300u	2.0m	200uΔ				2A		MP327
81▼	PVSN10M-A	10 ♦	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	50uΔ				5C		MP239a
82▼	PVSN10M-B	10 ♦	20m%	20m%	30	5.0	560m	10m	25m	100u	2.8	300u	10m	250uΔ				5C		MP239
83▼	PVSN10M-C	10 ♦	20m%	20m%	30	5.0	560m	10m	5.0m	100u	2.8	100u	10m	50uΔ				5C		MP326
84▼	PVSN10N-A	10 ♦	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	10uΔ				5C		MP239a
85▼	PVSN10N-B	10 ♦	20m%	20m%	30	5.0	560m	2.0m	25m	100u	2.8	300u	2.0m	50uΔ				5C		MP239
86▼	PVSN10N-C	10 ♦	20m%	20m%	30	5.0	560m	2.0m	5.0m	100u	2.8	100u	2.0m	10uΔ				5C		MP326
87▼	PVSN10N-D	10 ♦	20m%	20m%	30	5.0	560m	2.0m	100m	100u	2.8	300u	2.0m	200uΔ				5C		MP327
88▼	uA78L10ACLP	10	5.0 %	5.0 %	30	1.7	775m	100m			12	175m§	99m	90mΔ	37			0F	F164a	MP597
89▼	uA78L10CLP	10	10 %	10 %	30	1.7	775m	100m			12	225m§	99m	90mΔ	36			0F	F164a	MP597
90▼	uA78L10ACJG	10	5.0 %	5.0 %	30	1.7	825m	100m			12	175m§	99m	90mΔ	37			0F	F164	MP401d
91▼	uA78L10CJG	10	10 %	10 %	30	1.7	825m	100m			12	225m§	99m	90mΔ	36			0F	F164	MP401d
92	LM342P10	10	4.0 %	4.0 %	35		*	200m			12	200m§	199m	200mΔ	36			07	F151	MP577
93	LM140LAH10	10	2.0 %	2.0 %	35	2.2	45m*	100m	200m†	2.0 %†	17	55m§	99m	70mΔ	50			5C	F148	CN40
94	LM240LAH10	10	2.0 %	2.0 %	35	2.2	45m*	100m	200m†	2.0 %†	17	55m§	99m	35mΔ	50			28	F148	CN40
95	LM240LAZ10	10	2.0 %	2.0 %	35	2.2	45m*	100m	200m†	2.0 %†	17	55m§	99m	35mΔ	50			28	F148	MP573
96	LM340LAH10	10	2.0 %	2.0 %	35	2.2	45m*	100m	200m†	2.0 %†	17	55m§	99m	70mΔ	50			07	F148	CN40
97	LM340LAZ10	10	2.0 %	2.0 %	35	2.2	45m*	100m	200m†	2.0 %†	17	55m§	99m	70mΔ	50			07	F148	MP573
98	LM340K10	10	4.0 %	4.0 %	35	2.5	100m*	2.5	800m†	2.0 %†	12	200m§	1.4	200mΔ	54 †			07	F110	TO3
99	LM340KC10	10	4.0 %	4.0 %	35	2.5	100m*	2.5	800m†	2.0 %†	12	200m§	1.4	200mΔ	54 †			07	F110	TO3
100	uA7810CKC	10	4.0 %	4.0 %	35	12 *	2.0	1.5	18m†	1.0m†	15	200m§	1.5	200mΔ	55			0C	F165a	Y220b
101	uA7810CKA	10	4.0 %	4.0 %	35	12 *	3.5	1.5	18m†	1.0m†	15	200m§	1.5	200mΔ	55			0C	F165	TO3
102	uA7810MKA	10	4.0 %	4.0 %	35	12 *	3.5	1.5	18m†	1.0m†	15	100m§	1.5	100mΔ	61			5E	F165	TO3
103▼	uA78C10U1C	10	4.0 %	4.0 %	35	5.0	7.5 *	500m			10	50m§	455m	100mΔ	54 †			0C	F185	MP732
104	LAS1410	10	5.0 %	5.0 %	35	2.5	15	1.5		30m%	10	2.0	1.5	600m	58			5E	F168	CN48b
105	LAS1510	10	5.0 %	5.0 %	35	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
106	LAS1810	10 ♦	5.0 %	5.0 %	35	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
107#	SI3580M	10	5.0	15	40	4.0	40	1.5			10	600m	1.5	800m	60			17	C220	CN62
108	MIVR42050-109	10			44		120	9.0		50mΔ	40	100m	9.0	200m	60			$F		TO3
109	MIVR42051-105	10 ♦			44		120	5.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
110#	SFC2300	11	2.0	20	30	8.0 *	300m			300u%		100mΔ	12m	100m				07	F001	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	@LOAD CHG. (s)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	SG300N	11	2.0	20	30	3.0	600m	20m		1.0 %§		200mΔ		500m		3.0u		07	F001	MP39a
2	SG300T	11	2.0	20	30	3.0	680m	20m		1.0 %§		200mΔ		500m		3.0u		07	F001	TO99
3	LM300H	11	2.0	20	35	3.0	500m§			2.0 %		200mΔ		500m				07	F001	CN1d
4	NC562	12	10	20	13		1.2	800m	100m		15	10	100m		50			5C	F025	CN2a
5	NC562B	12	10	20	13		1.2	800m	100m		15	10	100m		50			5C	F025	CN2a
6#	TBA625BX5	12	5.0 %	5.0 %	27	14 *	750m	120u	100m†	3.0m†Δ		500mΔ		1.0 Δ	46			07	F078	TO39
7	uA78L12ACLP	12	5.0 %	5.0 %	27		775m	100m			12	250m§	99m	100mΔ	37			0C	F164a	MP597
8	uA78L12CLP	12	10 %	10 %	27		775m	100m			12	250m§	99m	100mΔ	36			0C	F164a	MP597
9	uA78L12ACJG	12	5.0 %	5.0 %	27		1.1	100m			12	250m§	99m	100mΔ	37			0C	F164	MP401d
10	uA78L12CJG	12	10 %	10 %	27		1.1	100m			12	250m§	99m	100mΔ	36			0C	F164	MP401d
11#	L130	12	5.0 %	5.0 %	27	3.1	1.2	1.0	20m†	1.2m†	6.5	33m§	490m	1.0	46			28	F078	TO126
12#	TDA1412	12	5.0 %	5.0 %	27	3.1	1.2	1.0	20m†	1.2m	6.5	33m§	490m	1.0	46			07	F078	TO126
13#	L036T1	12	5.0 %	5.0 %	27	14 *	3.2	500m	20m†	3.0m†Δ	6.5	500m		1.0	46			07	F078	TO3
14#	TBA325B	12			27	14 *	3.2	500m	20m†	3.0m†Δ		500m		1.0	46			07	F078	TO3
15#	STK521	12	2.5 %	2.5 %	28			500m	15m†	500u†	8.0	6.4m§						38	F121a	MP417
16#	STK531	12	2.5 %	2.5 %	28			1.0	30m†	500u†	7.0	12m§						38	F121a	MP417
17#	STK541	12	2.5 %	2.5 %	28			500m	50m†	1.0m†	8.0	240m§						38	F147	MP417
18	PC501	12			28		500m	200m	250m	1.0m	2.0	1.0	100m	250m	30			5C	F027a	FP10
19	PC503	12 ♦			28		500m	200m	250m	1.0m	2.0	1.0	100m	250m	30			5C	F027	FP10
20	LM126H	12 §	1.6 %	1.6 %	30	2.0		100m			15	10m§	50m	10mΔ				5C	F149	CN10p
21	LM127H	12 ♦	5.0 *		30	2.0		100m			15	15m§	50m	10mΔ				5C	F149	CN10b
22	LM226H	12 §	1.6 %	1.6 %	30	2.0		100m			15	10m§	50m	10mΔ				28	F149	CN10p
23	LM227H	12 ♦	5.0 *		30	2.0		100m			15	15m§	50m	10mΔ				28	F149	CN10p
24♦	SG140-12K	12	4.2 %	4.2 %	30	14 *	*	1.5	18m†	800u†	15	120m§	1.4	120mΔ	71 †			5F	F091	TO3
25▼	SG140-12R	12	4.2 %	4.2 %	30	14 *	*	1.5		800u†	15	120m§	1.4	120mΔ	71 †			5F	F091	TO66
26♦	SG140-12T	12	4.2 %	4.2 %	30	14 *	*	500m	18m†	800u†	15	120m§	495m	60mΔ	71 †			5F	F091	TO39
27♦	SG340-12K	12	4.2 %	4.2 %	30	14 *	*	1.5	18m†	800u†	15	240m§	1.4	240mΔ	71 †			0C	F091	TO3
28▼	SG340-12P	12	4.2 %	4.2 %	30	14 *	*	1.5		800u†	15	240m§	1.4	240mΔ	71 †			0C	F091	Y220b
29▼	SG340-12R	12	4.2 %	4.2 %	30	14 *	*	1.5		800u†	15	240m§	1.4	240mΔ	71 †			0C	F091	TO66
30♦	SG340-12T	12	4.2 %	4.2 %	30	14 *	*	500m	18m†	800u†	15	240m§	495m	120mΔ	71 †			0C	F091	TO39
31	SG7812ACK	12	1.7 %	1.7 %	30	14 *	*	1.5		800u	16	120m§	1.5	120mΔ	71 †			0C	F180b	TO3
32▼	SG7812ACP	12	1.7 %	1.7 %	30	14 *	*	1.5		800u	16	120m§	1.5	120mΔ	71 †			0C	F180c	Y220b
33	SG7812ACR	12	1.7 %	1.7 %	30	14 *	*	1.5		800u	16	120m§	1.5	120mΔ	71 †			0C	F180	TO66
34♦	SG7812ACT	12	1.7 %	1.7 %	30	14 *	*	500m		800u	16	120m§	495m	60mΔ	71 †			0C	F180a	TO39
35	SG7812AK	12	1.7 %	1.7 %	30	14 *	*	1.5		800u	16	60m§	1.5	80mΔ	71 †			5E	F180b	TO3
36	SG7812AR	12	1.7 %	1.7 %	30	14 *	*	1.5		800u	16	60m§	1.5	80mΔ	71 †			5E	F180	TO66
37♦	SG7812AT	12	1.7 %	1.7 %	30	14 *	*	500m		800u	16	60m§	495m	40mΔ	71 †			5E	F180a	TO39
38♦	SG7812CK	12	4.2 %	4.2 %	30	14 *	*	1.5	18m†	800u†	15	240m§	1.4	240mΔ	71 †			0C	F091	TO3
39▼	SG7812CP	12	4.2 %	4.2 %	30	14 *	*	1.5		800u†	15	240m§	1.4	240mΔ	71 †			0C	F091	Y220b
40▼	SG7812CR	12	4.2 %	4.2 %	30	14 *	*	1.5		800u†	15	240m§	1.4	240mΔ	71 †			0C	F091	TO66
41♦	SG7812CT	12	4.2 %	4.2 %	30	14 *	*	500m	18m†	800u†	15	240m§	495m	120mΔ	71 †			0C	F091	TO39
42♦	SG7812K	12	4.2 %	4.2 %	30	14 *	*	1.5	18m†	800u†	15	120m§	1.4	120mΔ	71 †			5E	F091	TO3
43▼	SG7812R	12	4.2 %	4.2 %	30	14 *	*	1.5		800u†	15	120m§	1.4	120mΔ	71 †			0F	F091	TO66
44♦	SG7812T	12	4.2 %	4.2 %	30	14 *	*	500m	18m†	800u†	15	120m§	495m	60mΔ	71 †			5E	F091	TO39
45▼	SG7912CK	12 ♦	4.2 %	4.2 %	30	1.0	*	1.5		800u†	15	240m§	1.4	240mΔ	54			0C	F187	TO3
46▼	SG7912CP	12 ♦	4.2 %	4.2 %	30	1.0	*	1.5		800u†	15	240m§	1.4	240mΔ	54			0C	F187	Y220b
47▼	SG7912CR	12 ♦	4.2 %	4.2 %	30	1.0	*	1.5		800u†	15	240m§	1.4	240mΔ	54			0C	F187	TO66
48▼	SG7912CT	12 ♦	4.2 %	4.2 %	30	1.0	*	500m		800u†	15	240m§	495m	120mΔ	54			0C	F187	TO39
49▼	SG7912K	12 ♦	4.2 %	4.2 %	30	1.0	*	1.5		800u†	15	120m§	1.4	120mΔ	54			5F	F187	TO3
50▼	SG7912R	12 ♦	4.2 %	4.2 %	30	1.0	*	1.5		800u†	15	120m§	1.4	120mΔ	54			5F	F187	TO66
51▼	SG7912T	12 ♦	4.2 %	4.2 %	30	1.0	*	500m		800u†	15	120m§	495m	60mΔ	54			5F	F187	TO39
52	uA78M12CLA	12	4.1 %	4.1 %	30		600m	500m			15	100m§	495m	240mΔ	55			0C	F161b	CN40
53	uA78M12MLA	12	4.1 %	4.1 %	30		600m	500m			15	60m§	495m	120mΔ	55			5C	F161b	CN40
54	uA79M12CLA	12 ♦	4.1 %	4.1 %	30		600m	500m			15	80m§	495m	240mΔ	50			0C	F163b	CN40
55	uA79M12MLA	12 ♦	4.1 %	4.1 %	30		600m	500m			15	80m§	495m	240mΔ	50			5C	F163b	CN40
56	LM326N	12 §	4.1 %	4.1 %	30	2.0	1.0	100m			15	10m§	50m	10mΔ				07	F149	MP39n
57	LM327N	12 ♦	5.0 *		30	2.0	1.0	100m			15	15m§	50m	10mΔ				07	F149	MP39n
58	uA78M12CKD	12	4.1 %	4.1 %	30		1.5	500m			15	100m§	495m	240mΔ	55			0C	F161a	MP596
59	uA79M12CKD	12 ♦	4.1 %	4.1 %	30		1.5	500m			15	80m§	495m	240mΔ	50			0C	F163a	MP596
60	LM326H	12 §	4.1 %	4.1 %	30	2.0	2.0	100m			15	10m§	50m	10mΔ				07	F149	CN10p
61	LM327H	12 ♦	5.0 *		30	2.0	2.0	100m			15	15m§	50m	10mΔ				07	F149	CN10p
62	uA78M12CKC	12	4.1 %	4.1 %	30		2.0	500m			15	100m§	495m	240mΔ	55			0C	F161	Y220b
63	uA79M12CKC	12 ♦	4.1 %	4.1 %	30		2.0	500m			15	80m§	495m	240mΔ	50			0C	F163	Y220b
64	uA7812CKC	12	4.1 %	4.1 %	30		2.0	1.5	18m†	1.0m†	15	240m§	1.4	240mΔ	55			0C	F165a	Y220b
65	uA7912CKC	12 ♦	4.1 %	4.1 %	30		2.0	1.5		800u†	15	240m§	1.4	240mΔ	54			0C	F162a	Y220b
66	uA7812CKA	12	4.1 %	4.1 %	30		3.5	1.5	18m†	1.0m†	15	240m§	1.4	240mΔ	55			0C	F165	TO3
67	uA7812MKA	12	4.1 %	4.1 %	30		3.5	1.5	18m†	1.0m†	15	120m§	1.4	120mΔ	61			5C	F165	TO3
68	uA7912CKA	12 ♦	4.1 %	4.1 %	30		3.5	1.5		800u†	15	240m§	1.4	240mΔ	54			0C	F162	TO3
69	uA7912MKA	12 ♦	4.1 %	4.1 %	30		3.5	1.5		800u†	15	120m§	1.4	120mΔ	54			5C	F162	TO3
70	LM326S	12 §	4.1 %	4.1 %	30	2.0	5.0	100m			15	10m§	50m	10mΔ				07	F149	MP578
71	LM327S	12 ♦	5.0 *		30	2.0	5.0	100m			15	15m§	50m	10mΔ				07	F149	MP578
72▼	LAS1912	12	5.0 %	5.0 %	30	2.6	50	5.0		30m%	9.0	2.0	4.9	600m	60			5D	F182	TO3
73♦	SG120-12K	12 ♦	2.5 %	2.5 %	32	1.0	*	1.5	30m†	800u†	18	10m§	1.4	80mΔ	54			5F	F108	TO3
74▼	SG120-12R	12 ♦	2.5 %	2.5 %	32	1.0	*	1.5		800u†	18	10m§	1.4	80mΔ	54			5F	F187	TO66
75♦	SG120-12T	12 ♦	2.5 %	2.5 %	32	1.0	*	500m	30m†	800u†	18	10m§	495m	25mΔ	54			5F	F108	TO39
76♦	SG220-12K	12 ♦	2.5 %	2.5 %	32	1.0	*	1.5	30m†	800u†	18	10m§	1.4	80mΔ	54			2F	F108	TO3
77▼	SG220-12R	12 ♦	2.5 %	2.5 %	32	1.0	*	1.5		800u†	18	10m§	1.4	80mΔ	54			2F	F187	TO66
78♦	SG220-12T	12 ♦	2.5 %	2.5 %	32	1.0	*	500m	30m†	800u†	18	10m§	495m	25mΔ	54			2F	F108	TO39
79♦	SG320-12K	12 ♦	3.3 %	3.3 %	32	2.0	*	1.5	160m	800u†	15	20m§	1.4	80mΔ	54			0C	F108	TO3
80▼	SG320-12P	12 ♦	3.3 %	3.3 %	32	1.0	*	1.5		800u†	18	20m§	1.4	80mΔ	54			0C	F187	Y220b
81▼	SG320-12R	12 ♦	3.3 %	3.3 %	32	1.0	*	1.5		800u†	18	20m§	1.4	80mΔ	54			0C	F187	TO66
82♦	SG320-12T	12 ♦	3.3 %	3.3 %	32	1.0	*	500m	30m†	800u†	18	20m§	495m	40mΔ	54			0C	F108	TO39
83▼	JANM38510/10703AXA	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
84▼	JANM38510/10703AXB	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
85▼	JANM38510/10703AXC	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
86▼	JANM38510/10703BXA	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
87▼	JANM38510/10703BXB	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
88▼	JANM38510/10703BXC	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
89▼	JANM38510/10703CXA	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
90▼	JANM38510/10703CXB	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
91▼	JANM38510/10703CXC	12	5.0 %	5.0 %	32	15 *	890m*	500m		3.0m	17	120m§	495m	240mΔ	55			5C	F186	CN40
92▼	JANM38510/10707AYA	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3
93▼	JANM38510/10707AYB	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3
94▼	JANM38510/10707AYC	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3
95▼	JANM38510/10707BYA	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3
96▼	JANM38510/10707BYB	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	JANM38510/10707BYC	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3
2▼	JANM38510/10707CYA	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3
3▼	JANM38510/10707CYB	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3
4▼	JANM38510/10707CYC	12	5.0 %	5.0 %	32	15 *	3.6 *	1.0		3.0m	17	120m§	995m	240mΔ	55			5C	F186b	TO3
5	LM320MP12	12 ♦	4.1 %	4.1 %	32	2.5	7.5 *	500m			17	24m§	495m	100mΔ	56			0C	F152a	Y202a
6	LM78L12ACH	12	5.0 %	5.0 %	35		*	100m			12	250m§	99m	100mΔ	37			07	F148	CN38d
7	LM78L12ACZ	12	5.0 %	5.0 %	35		*	100m			12	250m§	99m	100mΔ	37			07	F148	MP573
8	LM78L12CH	12	10 %	10 %	35		*	100m			12	250m§	99m	100mΔ	36			07	F148	CN38d
9	LM78L12CZ	12	10 %	10 %	35		*	100m			12	250m§	99m	100mΔ	36			07	F148	MP573
10	LM342P12	12	4.1 %	4.1 %	35		*	200m			15	240m§	199m	240mΔ	36			07	F151	MP577
11#	SFC2812EC	12	4.1 %	4.1 %	35	2.0					15	240m§	1.5	250mΔ	61 †			07		Y220b
12#	SFC2812RC	12	4.1 %	4.1 %	35	2.0					15	240m§	1.5	240mΔ	61 †			07		TO3
13#	TDB7812	12	4.1 %	4.1 %	35			2.2	18m†	1.0m†§	15	240m§	1.4	240mΔ	55			08	F183	TO3
14#	TDB7812T	12	4.1 %	4.1 %	35			2.2	18m†	1.0m†§	15	240m§	1.4	240mΔ	55			08	F183	Y220a
15#	TDC7812	12	4.1 %	4.1 %	35			2.2	18m†	1.0m†§	15	120m§	1.4	120mΔ	61			5C	F183	TO3
16	uA78L12AHC	12	4.1 %	4.1 %	35		*	100m		1.0m†	12	250m§	99m	100mΔ	37			0E	F130	CN38c
17	uA78L12AWC	12	4.1 %	4.1 %	35		*	100m		1.0m†	12	250m§	99m	100mΔ	37			0E	F130	TO92
18	uA78L12AWV	12	4.1 %	4.1 %	35		*	100m		1.0m†	12	250m§	99m	100mΔ	37			4C	F130	TO92
19	uA78M12HC	12	4.1 %	4.1 %	35		*	500m		1.0m†	15	100m§	495m	240mΔ	55			0E	F112	CN38c
20	uA78M12HM	12	4.1 %	4.1 %	35		*	500m		1.0m†	15	60m§	495m	120mΔ	55			5E	F112	CN38c
21	uA78M12UC	12	4.1 %	4.1 %	35		*	500m		1.0m†	15	100m§	495m	240mΔ	55			0E	F112	MP582
22	uA79M12AHC	12 ♦	4.1 %	4.1 %	35		*	500m		800u	15	80m§	495m	240mΔ	50			0E	F141	CN38c
23	uA79M12AUC	12 ♦	4.1 %	4.1 %	35		*	500m		800u	15	80m§	495m	240mΔ	50			0E	F141	MP582
24	uA79M12HM	12 ♦	4.1 %	4.1 %	35		*	500m		800u	15	80m§	495m	240mΔ	50			5E	F141	CN38c
25	uA7812KC	12	4.1 %	4.1 %	35			2.2	18m†	1.0m†§	15	240m§	1.4	240mΔ	55			0C	F091	TO3
26	uA7812KM	12	4.1 %	4.1 %	35			2.2	18m†	1.0m†§	15	120m§	1.4	120mΔ	61			5F	F091	TO3
27	uA7812UC	12	4.1 %	4.1 %	35			2.2	18m†	1.0m†§	15	240m§	1.4	240mΔ	55			0C	F091	MP582
28	uA7912KC	12 ♦	4.1 %	4.1 %	35		*	1.5		800u†	15	240m§	1.4	240mΔ				0E	F162	TO3
29	uA7912KM	12 ♦	4.1 %	4.1 %	35		*	1.5		800u†	15	120m§	1.4	120mΔ				5E	F162	TO3
30	uA7912UC	12 ♦	4.1 %	4.1 %	35		*	1.5		800u†	15	240m§	1.4	240mΔ				0E	F162a	MP582
31	uPC14312H	12	4.1 %	4.1 %	35			1.5		1.0m†§	15	240m§	1.4	240mΔ	55			0C	F091	TO220
32	LM140LAH12	12	2.1 %	2.1 %	35	2.2	54m*	100m	200m†	2.0 %†	15	65m§	99m	80mΔ	47			5C	F148	CN40
33	LM240LAH12	12	2.1 %	2.1 %	35	2.2	54m*	100m	200m†	2.0 %†	15	65m§	99m	40mΔ	47			28	F148	CN40
34	LM240LAZ12	12	2.1 %	2.1 %	35	2.2	54m*	100m	200m†	2.0 %†	15	65m§	99m	40mΔ	47			28	F148	MP573
35	LM340LAH12	12	2.1 %	2.1 %	35	2.2	54m*	100m	200m†	2.0 %†	15	65m§	99m	80mΔ	47			07	F148	CN40
36	LM340LAZ12	12	2.1 %	2.1 %	35	2.2	54m*	100m	200m†	2.0 %†	15	65m§	99m	80mΔ	47			07	F148	MP573
37	LM340KC12	12	4.1 %	4.1 %	35	2.5	120m*	2.5	800m†	2.0 %†	15	240m§	1.4	240mΔ	62 †			07	F110	TO3
38#	78L12ACS	12	5.0 %	5.0 %	35	1.7	700m	100m			11	200m§	99m	100mΔ	37			0C	F175a	TO92
39#	78L12CS	12	10 %	10 %	35	1.7	700m	100m			11	200m§	99m	100mΔ	36			0C	F175a	TO92
40	MC78L12ACP	12	5.0 %	5.0 %	35	1.7	700m	100m			12	250m§	99m	100mΔ	37			0C	F144a	TO92
41	MC78L12CP	12	10 %	10 %	35	1.7	700m	100m			12	250m§	99m	100mΔ	36			0C	F144a	TO92
42	MC79L12ACP	12 ♦	5.0 %	5.0 %	35	1.7	700m	100m			12	250m§	99m	100mΔ				0C	F145a	TO92
43	MC79L12CP	12 ♦	10 %	10 %	35	1.7	700m	100m			12	250m§	99m	100mΔ				0C	F145a	TO92
44	uA78L12AS	12	4.1 %	4.1 %	35		700m*	100m			12	250m§	99m	100mΔ	37			0E	F130	TO92
45	uA78L12S	12	7.5 %	7.5 %	35		700m*	100m			12	250m§	99m	100mΔ	36			0E	F130	TO92
46	MC78M12CG	12	4.1 %	4.1 %	35	2.0	800m	500m		1.0m†	15	100m§	495m	240mΔ	80 †			0C	F174	TO39
47#	78L12ACDB	12	5.0 %	5.0 %	35	1.7	850m	100m			11	200m§	99m	100mΔ	37			0C	F175	TO39
48#	78L12CDB	12	10 %	10 %	35	1.7	850m	100m			11	200m§	99m	100mΔ	36			0C	F175	TO39
49#	78M12CDB	12	4.1 %	4.1 %	35	2.0	850m	500m		1.0m†	15	100m§	495m	240mΔ	55			0E	F176	TO39
50#	78M12DB	12	4.1 %	4.1 %	35	2.0	850m	500m		1.0m†	15	60m§	495m	120mΔ	55			5E	F176	TO39
51	MC78L12ACG	12	5.0 %	5.0 %	35	1.7	850m	100m			12	250m§	99m	100mΔ	37			0C	F144	TO39
52	MC78L12CG	12	10 %	10 %	35	1.7	850m	100m			12	250m§	99m	100mΔ				0C	F144	TO39
53	MC79L12ACG	12 ♦	5.0 %	5.0 %	35	1.7	850m	100m			12	250m§	99m	100mΔ				0C	F145	TO39
54	MC79L12CG	12 ♦	10 %	10 %	35	1.7	850m	100m			12	250m§	99m	100mΔ				0C	F145	TO39
55	uA78L12ADB	12	4.1 %	4.1 %	35		900m*	100m			12	250m§	99m	100mΔ	37			0E	F130	TO39
56	uA78L12DB	12	7.5 %	7.5 %	35		900m*	100m			12	250m§	99m	100mΔ	36			0E	F130	TO39
57#	78M12CU	12	4.1 %	4.1 %	35	2.0	2.0	500m		1.0m†	15	100m§	495m	240mΔ	55			0E	F176a	Y220b
58#	7812CU	12	4.1 %	4.1 %	35	2.0	2.0	1.0		1.0m†	15	240m§	500m	120mΔ	61			0C	F176a	Y220b
59	LM120H12	12 ♦	2.5 %	2.5 %	35		2.0	200m			18	10m§	195m	25mΔ				5C	F109	CN38d
60	LM220H12	12 ♦	2.5 %	2.5 %	35		2.0	200m			18	10m§	195m	25mΔ				2F	F109	CN38d
61	LM320H12	12 ♦	3.3 %	3.3 %	35		2.0	200m			18	20m§	195m	40mΔ				0C	F109	CN38d
62	MC78M12CT	12	4.1 %	4.1 %	35	2.0	2.0	500m		1.0m†	15	100m§	495m	240mΔ	80 †			0C	F174a	Y220b
63	MC7912CT	12 ♦	4.1 %	4.1 %	35	2.0	2.0	1.5		1.0m†	15	240m§	1.5	240mΔ	61 †			0C	F116a	Y220b
64#	TDB2912CM	12 ♦	2.0 %	2.0 %	35	30	2.0	200m			18	20m§	195m	40mΔ				07		TO39
65#	TDC2912CM	12	2.0 %	2.0 %	35	30	2.0	200m			18	10m§	195m	25mΔ				5C		TO39
66	MC7812CK	12	4.1 %	4.1 %	35	2.0	2.5	1.5	75m†	1.0m†	15	240m§	1.5	240mΔ	61 †			0C	F174b	CN48
67	MC7812CT	12	4.1 %	4.1 %	35	2.0	2.5	1.5		1.0m†	15	240m§	1.5	240mΔ	61 †			0C	F174a	Y220b
68	MC7912CK	12 ♦	4.1 %	4.1 %	35	2.0	2.5	1.5		1.0m†	15	240m§	1.5	240mΔ	61 †			0C	F116	CN48
69#	7812CDA	12	4.1 %	4.1 %	35	2.0	3.5	1.0		1.0m†	15	240m§	500m	120mΔ	61			0C	F176b	TO3
70#	7812DA	12	4.1 %	4.1 %	35	2.0	3.5	1.0		1.0m†	15	120m§	500m	60mΔ	61			5E	F176b	TO3
71	LM341P12	12	4.1 %	4.1 %	35		7.5 *	500m			15	240m§	495m	240mΔ	52 †			07	F150	MP577
72♦	uA78C12U1C	12	4.1 %	4.1 %	35	5.0	7.5 *	500m			10	50m§	455m	120mΔ	54 †			0C	F185	MP732
73	LAS1412	12	5.0 %	5.0 %	35	2.5	15	1.5		30m%	10	2.0	1.5	600m	58			5E	F168	CN48b
74	LAS1512	12	5.0 %	5.0 %	35	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
75	LAS1812	12 ♦	5.0 %	5.0 %	35	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
76	LM320T12	12 ♦	4.1 %	4.1 %	35		15	1.0			17	24m§	995m	120mΔ				0C	F152a	MP575
77▼	LM340-12DA	12	4.2 %	4.2 %	35	14 *	15 *	1.5			15	240m§	1.4	240mΔ	52 †			07	F110	TO3
78▼	LM340-12U	12	4.2 %	4.2 %	35	14 *	15 *	1.5			15	240m§	1.4	240mΔ	52 †			07	F110	Y220b
79	LM340K12	12	4.1 %	4.1 %	35		15 *	1.5			15	240m§	1.4	240mΔ	52 †			07	F110	CN48a
80	LM340T12	12	4.1 %	4.1 %	35		15 *	1.5			15	240m§	1.4	240mΔ	52 †			07	F110	MP575
81	uA7812CDA	12	4.1 %	4.1 %	35	14 *	15 *	1.0	18 †	1.0m	18	120mΔ	1.5	120mΔ	61			08	F112	TO3
82	uA7812CU	12	4.1 %	4.1 %	35	14 *	15 *	1.0	18 †	1.0m	18	120mΔ	1.5	120mΔ	61			08	F112	Y220b
83	uA7812DA	12	4.1 %	4.1 %	35	15 *	15 *	1.0	18 †	1.0m	18	60mΔ	1.5	60mΔ	61			5C	F112	TO3
84	LM120K12	12 ♦	2.5 %	2.5 %	35		20	1.0			18	10m§	995m	80mΔ				5C	F109	TO3
85	LM220K12	12 ♦	2.5 %	2.5 %	35		20	1.0			18	10m§	995m	80mΔ				2F	F109	CN48a
86	LM320K12	12 ♦	3.3 %	3.3 %	35		20	1.0			18	20m§	995m	80mΔ				0C	F109	CN48a
87#	TDB2912KM	12 ♦	2.0 %	2.0 %	35	30	20	1.0			18	20m§	995m	80mΔ				07		TO3
88#	TDB2912SP	12 ♦	2.0 %	2.0 %	35	30	20	1.0			18	20m§	995m	80mΔ				07		Y220a
89#	TDC2912KM	12	2.0 %	2.0 %	35	30	20	1.0			18	10m§	995m	80mΔ				5C		TO3
90	DE12D100	12	12	12	40			100m			1.0	10m	100m	10m				27		MP275a
91	LAS6112	12	1.0 %	1.0 %	40	2.8		25		7.0mΔ		10mΔ	25	200m	60			5C	F137	MP541
92	LAS6212	12	5.0 %	5.0 %	40	2.8		25		7.0mΔ		10mΔ	25	200m	60			5C	F137a	MP541a
93	LAS6312	12	1.0 %	1.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137	MP541
94	LAS6412	12	5.0 %	5.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137a	MP541a
95	NC511	12	8.0	38	40	2.0	500m	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C	F018	CN17a
96	NC513	12 ♦	8.0	38	40	2.0	500m	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C	F019	CN17a
97	PC511	12	8.0	38	40	2.0	500m	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C	F018	FP7
98	PC513	12 ♦	8.0	38	40	2.0	500m	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C	F019	FP7
99▼	NE550F	12	2.0	40	40	3.0	800m	50m		15mΔ	31	300m	49m	200m	75 †			07	F080a	MP319k
100♦	NE550L	12	2.0	40	40	3.0	800m	50m	50m	15mΔ	31	300m	49m	200m	75 †	1.0u†	2.0u†	07	F080	CN37b
101▼	NE550N	12	2.0	40	40	3.0	800m	50m		15mΔ	31	300m	49m	200m	75 †			07	F080a	MP153h
102	SN72305L	12	4.5	30	40	3.0	800m	12m			10	30mΔ	12m	50m				07	F003	TO99
103	SN72305P	12	4.5	30	40	3.0	800m	12m			10	30mΔ	12m	50m				07	F003	MP267
104	NC501	12	8.0	38	40	2.0	1.2	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C		CN34
105	NC503	12 ♦	8.0	38	40	2.0	1.2	250m	250m	10mΔ		100mΔ	100m	250m	40 †			5C		CN34
106	809V12	12			40	2.0	1.6	750m				30mΔ		3.0 *				5C		MP34e

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	@LOAD CHG. (s)	TEMP MODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	859V12	12 ♦			40	2.0	1.6	750m				30mΔ		3.0 *				5C		MP34e
2#	S1003	12 ♦	8.0	17	40	2.2	2.5	250m	20m	30mΔ		6.2mΔ			63			28	F086	MP232
3#	S1004	12 ♦	8.0	17	40	2.2	2.5	250m	20m	30mΔ		6.2mΔ			63			28	F086	MP232
4	RE12D100	12			40	1.0	3.0	100m	100m	2.4m	1.0	10m	100m	10m	80 †			27		MP275
5#	S1009	12 ♦	8.0	16	40	3.1	3.0	500m	20m	30mΔ		6.2mΔ			63			28	F086	MP233
6#	S1010	12 ♦	8.0	16	40	3.1	3.0	500m	20m	30mΔ		6.2mΔ			63			28	F086	MP233
7	LAS2112	12	1.0 %	1.0 %	40	4.6	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F137	MP539
8	LAS2212	12	5.0 %	5.0 %	40	4.6	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F137a	MP539a
9	LAS2312	12	1.0 %	1.0 %	40	4.6	9.0	2.5		7.0mΔ		10mΔ	2.5	200m	60			5C	F137	MP539
10	LAS2412	12	5.0 %	5.0 %	40	4.6	9.0	2.5		7.0mΔ		10mΔ	2.5	200m	60			5C	F137a	MP539a
11	LAS2612	12 ♦	1.0 %	1.0 %	40	5.2	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F138	MP539
12	LAS2712	12 ♦	5.0 %	5.0 %	40	5.2	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F138a	MP539a
13	LAS2812	12 ♦	1.0 %	1.0 %	40	5.2	9.0	2.5		7.0mΔ		10mΔ	2.5	200m	60			5C	F138	MP539
14	LAS2912	12 ♦	5.0 %	5.0 %	40	5.2	9.0	2.5		7.0mΔ		10mΔ	2.5	200m	60			5C	F138a	MP539a
15#	S1015	12 ♦	8.0	16	40	3.0	10	2.0	5.0m	30mΔ		5.0mΔ			63			28	F086	MP234
16#	S1016	12 ♦	8.0	16	40	3.0	10	2.0	5.0m	30mΔ		5.0mΔ			63			28	F086	MP234
17	LAS4112	12	1.0 %	1.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F137	MP540
18	LAS4212	12	5.0 %	5.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F137a	MP540a
19	LAS4312	12	1.0 %	1.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F137	MP540
20	LAS4412	12	5.0 %	5.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F137a	MP540a
21	LAS4612	12 ♦	1.0 %	1.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F138	MP540
22	LAS4712	12 ♦	5.0 %	5.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F138a	MP540a
23	LAS4812	12 ♦	1.0 %	1.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F138	MP540
24	LAS4912	12 ♦	5.0 %	5.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F138a	MP540a
25#	S1023	12 ♦	8.0	16	40	2.7	25	5.0	5.0m	30mΔ		6.2mΔ			63			2B	F086	MP235
26#	S1024	12 ♦	8.0	16	40	2.7	25	5.0	5.0m	30mΔ		6.2mΔ			63			2B	F086	MP235
27#	SI3120M	12			40	4.0	30	1.5		3.0m	10		1.5		55			1A	F123	TO3
28#	SI3120G	12			40	4.0	50	1.5	110m	3.0m	10	2.4	1.5	1.3	52			28	F115	MP375
29	LAS3212	12	11	12	40	2.5	140	10				10mΔ	10	200m	60			5E	F137b	MP539
30	LAS5212	12	11	12	40	2.5	270	20				14mΔ	20	200m	60			5E	F137b	MP540
31	LAS7212	12	11	12	40	2.5	400	30				16mΔ	30	200m	60			5E	F137b	MP541
32	MIVR42050-128	12			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
33	MIVR42051-124	12 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
34#	SI3120E	12			55	4.0	25	1.0	200m	5.0m	10	2.2	1.0	1.7	37			2A	F082	TO3
35	uA78CBKC	13			35	4.6	20 *	2.2		1.0m	150m	40m	1.5m	50m	50			0E	F091	TO3
36	uA78CBUC	13			35	4.6	20 *	2.2		1.0m	150m	40m	1.5m	50m	50			0E	F091	MP582
37	CA3085	14	1.6	27	30	4.0	630m		1.1	3.5m†Δ		150mΔ	99m	100mΔ	50 †	800n	3.0u	5C	F088	Δ002AL
38	CA3085H	14	1.6	27	30	4.0	630m		1.1	3.5mΔ†		150mΔ	99m	100mΔ	50 †	800n	3.0u	5C	F088	CH16w
39	CA3085S	14	1.6	27	30	4.0	630m		1.1	3.5mΔ†		150mΔ	99m	100mΔ	50 †	800n	3.0u	5C	F088	
40	LM305P	14	4.5	30	40	3.0	500m	12m			5.0	60mΔ	12m	50m		5.0u	5.0u	07	F003	MP39k
41	SN72304L	14 ♦	35m	30	40	2.0	800m	20m			25	100m	20m	5.0mΔ				07	F002	TO100
42	SN72304N	14 ♦	35m	30	40	2.0	800m	20m			25	100m	20m	5.0mΔ				07	F002	MP39h
43	MIVR42050-148	14			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
44	MIVR42051-144	14 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
45	VR401	15	1.0 %	1.0 %	18			3.0m	100m	10mΔ			100m	500m	60					MP14u
46#	TBA625CX5	15	5.0 %	5.0 %	27	17 *	750m	120u	100m†	3.0m†Δ		500mΔ		1.0 Δ	46			07	F078	TO39
47#	L131	15	5.0 %	5.0 %	27	3.2	1.2	900m	60m†	1.5m†	6.5	33m§	440m	1.0	46			28	F078	TO126
48#	TDA1415	15	5.0 %	5.0 %	27	3.2	1.2	900m	60m†	1.5m	6.5	33m§	440m	1.0	46			07	F078	TO126
49#	L037T1	15	5.0 %	5.0 %	27	17 *	3.2	400m	27m†	3.0m†Δ	6.5	500m		1.0	46			07	F078	TO3
50#	TBA325C	15			27	17 *	3.2	400m	27m†	3.0m†Δ		500m		1.0	46			07	F078	TO3
51	LM125H	15 §	1.3 %	1.3 %	30	2.0		100m			12	10m§	50m	10mΔ				5C	F149	CN10p
52	LM225H	15 §	1.3 %	1.3 %	30	2.0		100m			12	10m§	50m	10mΔ				28	F149	CN10p
53♦	SG140-15K	15	4.0 %	4.0 %	30	17 *	*	1.5	19m†	1.0m†	12	150m§	1.4	150mΔ	70 †			5F	F091	TO3
54▼	SG140-15R	15	4.0 %	4.0 %	30	17 *	*	1.5		1.0m†	12	150m§	1.4	150mΔ	70 †			5F	F091	TO66
55♦	SG140-15T	15	4.0 %	4.0 %	30	17 *	*	500m	19m†	1.0m†	12	150m§	495m	75mΔ	70 †			5F	F091	TO39
56♦	SG340-15K	15	4.0 %	4.0 %	30	17 *	*	1.5	19m†	1.0m†	12	300m§	1.4	150mΔ	70 †			0C	F091	TO3
57▼	SG340-15P	15	4.0 %	4.0 %	30	17 *	*	1.5		1.0m†	12	300m§	1.4	300mΔ	70 †			0C	F091	Y220b
58▼	SG340-15R	15	4.0 %	4.0 %	30	17 *	*	1.5		1.0m†	12	300m§	1.4	300mΔ	70 †			0C	F091	TO66
59♦	SG340-15T	15	4.0 %	4.0 %	30	17 *	*	500m	19m†	1.0m†	12	300m§	495m	75mΔ	70 †			0C	F091	TO39
60	SG7815ACK	15	1.3 %	1.3 %	30	17 *	*	1.5		1.0m	13	150m§	1.5	150mΔ	70 †			0C	F180b	TO3
61▼	SG7815ACP	15	1.3 %	1.3 %	30	17 *	*	1.5		1.0m	13	150m§	1.5	150mΔ	70 †			0C	F180c	Y220b
62	SG7815ACR	15	1.3 %	1.3 %	30	17 *	*	1.5		1.0m	13	150m§	1.5	150mΔ	70 †			0C	F180	TO66
63♦	SG7815ACT	15	1.3 %	1.3 %	30	17 *	*	500m		1.0m	13	150m§	495m	75mΔ	70 †			0C	F180a	TO39
64	SG7815AK	15	1.3 %	1.3 %	30	17 *	*	1.5		1.0m	13	75m§	1.5	100mΔ	70 †			5E	F180b	TO3
65	SG7815AR	15	1.3 %	1.3 %	30	17 *	*	1.5		1.0m	13	75m§	1.5	100mΔ	70 †			5E	F180	TO66
66♦	SG7815AT	15	1.3 %	1.3 %	30	17 *	*	500m		1.0m	13	75m§	495m	50mΔ	70 †			5E	F180a	TO39
67♦	SG7815CK	15	4.0 %	4.0 %	30	17 *	*	1.5	19m†	1.0m†	12	300m§	1.4	150mΔ	70 †			0C	F091	TO3
68▼	SG7815CP	15	4.0 %	4.0 %	30	17 *	*	1.5		1.0m†	12	300m§	1.4	300mΔ	70 †			0C	F091	Y220b
69▼	SG7815CR	15	4.0 %	4.0 %	30	17 *	*	1.5		1.0m†	12	300m§	1.4	300mΔ	70 †			0C	F091	TO66
70♦	SG7815CT	15	4.0 %	4.0 %	30	17 *	*	500m	19m†	1.0m†	12	300m§	495m	75mΔ	70 †			0C	F091	TO39
71♦	SG7815K	15	4.0 %	4.0 %	30	17 *	*	1.5	19m†	1.0m†	12	150m§	1.4	150mΔ	70 †			5E	F091	TO3
72▼	SG7815R	15	4.0 %	4.0 %	30	17 *	*	1.5		1.0m†	12	150m§	1.4	150mΔ	70 †			0F	F091	TO66
73♦	SG7815T	15	4.0 %	4.0 %	30	17 *	*	500m	19m†	1.0m†	12	150m§	495m	75mΔ	70 †			5E	F091	TO39
74▼	SG7915CK	15 ♦	4.0 %	4.0 %	30	1.0	*	1.5		1.0m†	17	300m§	1.4	300mΔ	54			0C	F187	TO3
75▼	SG7915CP	15 ♦	4.0 %	4.0 %	30	1.0	*	1.5		1.0m†	17	300m§	1.4	300mΔ	54			0C	F187	Y220
76▼	SG7915CR	15 ♦	4.0 %	4.0 %	30	1.0	*	1.5		1.0m†	17	300m§	1.4	300mΔ	54			0C	F187	TO66
77▼	SG7915CT	15 ♦	4.0 %	4.0 %	30	1.0	*	500m		1.0m†	17	300m§	495m	150mΔ	54			0C	F187	TO39
78	SG1468N	15 §	14	20	30	2.0	600m	100m			12	20m†§	50m	30mΔ	75 †			07	F098b	MP39a
79	uA78M15CLA	15	4.0 %	4.0 %	30		600m	500m			12	100m§	495m	300mΔ	54			0C	F161b	CN40
80	uA78M15MLA	15	4.0 %	4.0 %	30		600m	500m			12	60m§	495m	150mΔ	54			5C	F161b	CN40
81	uA79M15CLA	15 ♦	4.0 %	4.0 %	30		600m	500m			12	80m§	495m	240mΔ	50			0C	F163b	CN40
82	uA79M15MLA	15 ♦	4.0 %	4.0 %	30		600m	500m			12	80m§	495m	240mΔ	50			5C	F163b	CN40
83	XR4195CP	15 §	14	15	30	3.0	600m	100m		15mΔ	20m			30m	75 †			0C	F172	MP⊘
84	SG1468T	15 §	14	20	30	2.0	680m	100m			12	20m†§	50m	30mΔ	75 †			07	F098	TO100
85	SG1568T	15 §	14	20	30	2.0	680m	100m			12	20m†§	50m	30mΔ	75 †			5C	F098	TO100
86	uA78L15ACLP	15	5.0 %	5.0 %	30		775m	100m			12	300m§	99m	100mΔ	34			0C	F164a	MP597
87	uA78L15CLP	15	10 %	10 %	30		775m	100m			12	300m§	99m	100mΔ	33			0C	F164a	MP597
88	MC1468G	15 §	14	20	30	2.0	800m	100m			12	10m§	50m	10mΔ	75 †			07	F098	CN10f
89	MC1568G	15 §	14	20	30	2.0	800m	100m			12	10m§	50m	10mΔ	75 †			5C	F098	CN10f
90	XR4195CT	15 §	14	15	30	3.0	800m	100m		15mΔ	20m			30m	75 †			0C	F172a	TO99
91	XR4195MT	15 §	14	15	30	3.0	800m	100m		15mΔ	20m			30m	75 †			5F	F172a	TO99
92	LM325AN	15 §	1.3 %	1.3 %	30	2.0	1.0	100m			12	10m§	50m	10mΔ				07	F149	MP39n
93	LM325N	15 §	3.3 %	3.3 %	30	2.0	1.0	100m			12	10m§	50m	10mΔ				07	F149	MP39n
94	MC1468L	15 §	8.0	20	30	2.0	1.0	100m			12	10m§	50m	10mΔ	75 †			07	F098b	TO116
95	MC1568L	15 §	8.0	20	30	2.0	1.0	100m			12	10m§	50m	10mΔ	75 †			5C	F098b	TO116
96	SG1468J	15 §	14	20	30	2.0	1.0	100m			12	20m†§	50m	30mΔ	75 †			07	F098b	TO116
97	SG1568J	15 §	14	20	30	2.0	1.0	100m			12	20m†§	50m	30mΔ	75 †			5C	F098b	TO116
98	uA78L15ACJG	15	5.0 %	5.0 %	30		1.1	100m			12	300m§	99m	100mΔ	34			0C	F164	MP401d
99	uA78L15CJG	15	10 %	10 %	30		1.1	100m			12	300m§	99m	100mΔ	33			0C	F164	MP401d
100	uA78M15CKD	15	4.0 %	4.0 %	30		1.5	500m			12	100m§	495m	300mΔ	54			0C	F161a	MP596
101	uA79M15CKD	15 ♦	4.0 %	4.0 %	30		1.5	500m			12	80m§	495m	240mΔ	50			0C	F163a	MP596
102	851V15	15 ♦	1.0 %	1.0 %	30	4.0	1.6	500m				50mΔ	500m	50m				5C		MP34b
103	852	15 ♦	9.0	21	30	4.0	1.6	500m				50mΔ	796m	50m				5C		MP34c
104	801V15	15	1.0 %	1.0 %	30	4.0	1.8	500m				50mΔ	500m	50m				5C		MP34
105	802	15	9.0	21	30	4.0	1.8	500m				50mΔ	794m	50m				5C		MP34a
106	LM325H	15 §	3.3 %	3.3 %	30	2.0	2.0	100m			12	10m§	50m	10mΔ				07	F149	CN10p
107	uA78M15CKC	15	4.0 %	4.0 %	30		2.0	500m			12	100m§	495m	300mΔ	54			0C	F161	Y220b
108	uA79M15CKC	15 ♦	4.0 %	4.0 %	30		2.0	500m			12	80m§	495m	240mΔ	50			0C	F163	Y220b
109	uA7815CKC	15	4.0 %	4.0 %	30		2.0	1.5	19m†	1.0m†	12	300m§	1.4	300mΔ	54			0C	F165a	Y220b
110	uA7915CKC	15 ♦	4.0 %	4.0 %	30		2.0	1.5		1.0m†	12	300m§	1.4	300mΔ	54			0C	F162a	Y220b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	2 MAX INPUT LINE VOLT V	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP -+	CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	MC1468R	15 §	14	20	30	2.0	2.4	100m			12	10m§	50m	10mΔ	75 †			07		F098a	CN30
2	MC1568R	15 §	14	20	30	2.0	2.4	100m			12	10m§	50m	10mΔ	75 †			5C		F098a	CN30
3	XR4195CK	15 §	14	15	30	3.0	2.4	150m		15mΔ	20m			30m	75 †			0C		F172b	CN☐
4	XR4195MK	15 §	14	15	30	3.0	2.4	150m		15mΔ	20m			30m	75 †			5F		F172b	CN☐
5	uA7815CKA	15	4.0 %	4.0 %	30		3.5	1.5	19m†	1.0m†	12	300m§	1.4	300mΔ	54			0C		F165	TO3
6	uA7815MKA	15	4.0 %	4.0 %	30		3.5	1.5	19m†	1.0m†	12	150m§	1.4	150mΔ	60			5C		F165	TO3
7	uA7915CKA	15 ♦	4.0 %	4.0 %	30		3.5	1.5		1.0m†	12	300m§	1.4	300mΔ	54			0C		F162	TO3
8	uA7915MKA	15 ♦	4.0 %	4.0 %	30		3.5	1.5		1.0m†	12	150m§	1.4	150mΔ	54			5C		F162	TO3
9	LM325AS	15 §	1.3 %	1.3 %	30	2.0	5.0	100m			12	10m§	50m	10mΔ				07		F149	MP578
10	LM325S	15 §	3.3 %	3.3 %	30	2.0	5.0	100m			12	10m§	50m	10mΔ				07		F149	MP578
11	LM78L15ACH	15	5.0 %	5.0 %	35		*	100m			12	300m§	99m	150mΔ	34			07		F148	CN38d
12	LM78L15ACZ	15	5.0 %	5.0 %	35		*	100m			12	300m§	99m	150mΔ	34			07		F148	MP573
13	LM78L15CH	15	10 %	10 %	35		*	100m			12	300m§	99m	150mΔ	33			07		F148	CN38d
14	LM78L15CZ	15	10 %	10 %	35		*	100m			12	300m§	99m	150mΔ	33			07		F148	MP573
15	LM342P15	15	4.0 %	4.0 %	35		*	200m			12	300m§	199m	300mΔ	32			07		F151	MP577
16#	SFC2815EC	15	14	15	35	2.0					13	300m§	1.5	300mΔ	60 †			07			Y220b
17#	SFC2815RC	15	14	15	35	2.0					13	300m§	1.5	300mΔ	60 †			07			TO3
18♦	SG120-15K	15 ♦	2.0 %	2.0 %	35	1.0	*	1.5	30m†	1.0m†	18	10m§	1.4	80mΔ	54			5F		F108	TO3
19▼	SG120-15R	15 ♦	2.0 %	2.0 %	35	1.0	*	1.5		1.0m†	18	10m§	1.4	80mΔ	54			5F		F187	TO66
20♦	SG120-15T	15 ♦	2.0 %	2.0 %	35	1.0	*	500m	30m†	1.0m†	18	10m§	495m	25mΔ	54			5F		F108	TO39
21♦	SG220-15K	15 ♦	2.0 %	2.0 %	35	1.0	*	1.5	30m†	1.0m†	18	10m§	1.4	80mΔ	54			2F		F108	TO3
22▼	SG220-15R	15 ♦	2.0 %	2.0 %	35	1.0	*	1.5		1.0m†	18	10m§	1.4	80mΔ	54			2F		F187	TO66
23♦	SG220-15T	15 ♦	2.0 %	2.0 %	35	1.0	*	500m	30m†	1.0m†	18	10m§	495m	25mΔ	54			2F		F108	TO39
24♦	SG320-15K	15 ♦	2.6 %	2.6 %	35	1.0	*	1.5	30m†	1.0m†	18	20m§	1.4	80mΔ	54			0C		F108	TO3
25▼	SG320-15P	15 ♦	2.6 %	2.6 %	35	1.0	*	1.5		1.0m†	18	20m§	1.4	80mΔ	54			0C		F187	Y220b
26▼	SG320-15R	15 ♦	2.6 %	2.6 %	35	1.0	*	1.5		1.0m†	18	20m§	1.4	80mΔ	54			0C		F187	TO66
27♦	SG320-15T	15 ♦	2.6 %	2.6 %	35	1.0	*	500m	30m†	1.0m†	18	20m§	495m	40mΔ	54			0C		F108	TO39
28▼	SG7915K	15 ♦	4.0 %	4.0 %	35	1.0	*	1.5		1.0m†	17	150m§	1.4	150mΔ	54			5F		F187	TO3
29▼	SG7915R	15 ♦	4.0 %	4.0 %	35	1.0	*	1.5		1.0m†	17	150m§	1.4	150mΔ	54			5F		F187	TO66
30▼	SG7915T	15 ♦	4.0 %	4.0 %	35	1.0	*	500m		1.0m†	17	150m§	495m	75mΔ	54			5F		F187	TO39
31#	TDB7815	15	4.0 %	4.0 %	35			2.1	19m†	1.0m†§	12	300m§	1.4	150mΔ	54			08		F183	TO3
32#	TDB7815T	15	4.0 %	4.0 %	35			2.1	19m†	1.0m†§	12	300m§	1.4	300mΔ	54			08		F183	Y220a
33#	TDC7815	15	4.0 %	4.0 %	35			2.1	19m†	1.0m†§	12	150m§	1.4	150mΔ	60			5C		F183	TO3
34	uA78L15AHC	15	4.0 %	4.0 %	35		*	100m		1.3m†	12	300m§	99m	150mΔ	34			0E		F130	CN38c
35	uA78L15AWC	15	4.0 %	4.0 %	35		*	100m		1.3m†	12	300m§	99m	150mΔ	34			0E		F130	TO92
36	uA78M15HC	15	4.0 %	4.0 %	35		*	500m		1.0m†	12	100m§	495m	300mΔ	54			0E		F112	CN38c
37	uA78M15HM	15	4.0 %	4.0 %	35		*	500m		1.0m†	12	60m§	495m	150mΔ	54			5E		F112	CN38c
38	uA78M15UC	15	4.0 %	4.0 %	35		*	500m		1.0m†	12	100m§	495m	300mΔ	54			0E		F112	MP582
39	uA79M15AHC	15 ♦	4.0 %	4.0 %	35		*	500m		1.0m	12	80m§	495m	240mΔ	50			0E		F141	CN38c
40	uA79M15AUC	15 ♦	4.0 %	4.0 %	35		*	500m		1.0m	12	80m§	495m	240mΔ	50			0E		F141	MP582
41	uA79M15HM	15 ♦	4.0 %	4.0 %	35		*	500m		1.0m	12	80m§	495m	240mΔ	50			5E		F141	CN38c
42	uA7815KC	15	4.0 %	4.0 %	35			2.1	19m†	1.0m†§	12	300m§	1.4	150mΔ	54			0C		F091	TO3
43	uA7815KM	15	4.0 %	4.0 %	35			2.1	19m†	1.0m†§	12	150m§	1.4	150mΔ	60			5F		F091	TO3
44	uA7815UC	15	4.0 %	4.0 %	35			2.1	19m†	1.0m†§	12	300m§	1.4	150mΔ	54			0C		F091	MP582
45	uA7915KC	15 ♦	4.0 %	4.0 %	35		*	1.5		1.0m†	12	300m§	1.4	300mΔ				0E		F162	TO3
46	uA7915KM	15 ♦	4.0 %	4.0 %	35		*	1.5		1.0m†	12	150m§	1.5	150mΔ				5E		F162	TO3
47	uA7915UC	15 ♦	4.0 %	4.0 %	35		*	1.5		1.0m†	12	300m§	1.4	300mΔ				0E		F162a	MP582
48	uPC14315H	15	4.0 %	4.0 %	35			1.5		1.0m†§	12	300m§	1.4	300mΔ	54			0C		F091	TO220
49	LM140LAH15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	100mΔ	45			5C		F148	CN40
50	LM240LAH15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	50mΔ	45			28		F148	CN40
51	LM240LAZ15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	50mΔ	45			28		F148	MP573
52	LM340LAH15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	100mΔ	45			07		F148	CN40
53	LM340LAZ15	15	2.0 %	2.0 %	35	2.3	67m*	100m	200m†	2.0 %†	12	70m§	99m	100mΔ	45			07		F148	MP573
54	LM340KC15	15	4.0 %	4.0 %	35	2.5	150m*	2.5	800m†	2.0 %†	12	300m§	1.4	300mΔ	50 †			07		F110	TO3
55#	78L15ACS	15	5.0 %	5.0 %	35	1.7	700m	100m			10	250m§	99m	150mΔ	34			0C		F175a	TO92
56#	78L15CS	15	10 %	10 %	35	1.7	700m	100m			10	250m§	99m	150mΔ	33			0C		F175a	TO92
57	MC78L15ACP	15	5.0 %	5.0 %	35	1.7	700m	100m			12	300m§	99m	150mΔ				0C		F144a	TO92
58	MC78L15CP	15	10 %	10 %	35	1.7	700m	100m			12	300m§	99m	150mΔ				0C		F144a	TO92
59	MC79L15ACP	15 ♦	5.0 %	5.0 %	35	1.7	700m	100m			12	300m§	99m	150mΔ				0C		F145a	TO92
60	MC79L15CP	15 ♦	10 %	10 %	35	1.7	700m	100m			12	300m§	99m	150mΔ				0C		F145a	TO92
61	uA78L15AS	15	4.0 %	4.0 %	35		700m*	100m			12	300m§	99m	150mΔ	34			0E		F130	TO92
62	uA78L15S	15	8.0 %	8.0 %	35		700m*	100m			12	300m§	99m	150mΔ	33			0E		F130	TO92
63	MC78M15CG	15	4.0 %	4.0 %	35	2.0	800m	500m		1.0m†	12	100m§	495m	150mΔ	70 †			0C		F174	TO39
64#	78L15ACDB	15	5.0 %	5.0 %	35	1.7	850m	100m			10	250m§	99m	150mΔ	34			0C		F175	TO39
65#	78L15CDB	15	10 %	10 %	35	1.7	850m	100m			10	250m§	99m	150mΔ	33			0C		F175	TO39
66#	78M15CDB	15	4.0 %	4.0 %	35	2.0	850m	500m		1.0m†	12	100m§	495m	300mΔ	54			0E		F176	TO39
67#	78M15DB	15	4.0 %	4.0 %	35	2.0	850m	500m		1.0m†	12	60m§	495m	150mΔ	54			5E		F176	TO39
68	MC78L15ACG	15	5.0 %	5.0 %	35	1.7	850m	100m			12	300m§	99m	150mΔ				0C		F144	TO39
69	MC78L15CG	15	10 %	10 %	35	1.7	850m	100m			12	300m§	99m	150mΔ				0C		F144	TO39
70	MC79L15ACG	15 ♦	5.0 %	5.0 %	35	1.7	850m	100m			12	300m§	99m	150mΔ				0C		F145	TO39
71	MC79L15CG	15 ♦	10 %	10 %	35	1.7	850m	100m			12	300m§	99m	150mΔ				0C		F145	TO39
72▼	JANM38510/10704AXA	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
73▼	JANM38510/10704AXB	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
74▼	JANM38510/10704AXC	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
75▼	JANM38510/10704BXA	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
76▼	JANM38510/10704BXB	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
77▼	JANM38510/10704BXC	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
78▼	JANM38510/10704CXA	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
79▼	JANM38510/10704CXB	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
80▼	JANM38510/10704CXC	15	5.0 %	5.0 %	35	3.5	890m*	500m		3.8m	17	150m§	495m	300mΔ	53			5C		F186	CN40
81	uA78L15ADB	15	4.0 %	4.0 %	35		900m*	100m			12	300m§	99m	150mΔ	34			0E		F130	TO39
82	uA78L15DB	15	8.0 %	8.0 %	35		900m*	100m			12	300m§	99m	150mΔ	33			0E		F130	TO39
83#	78M15CU	15	4.0 %	4.0 %	35	2.0	2.0	500m		1.0m†	12	100m§	495m	300mΔ	54			0E		F176a	Y220b
84#	7815CU	15	4.0 %	4.0 %	35	2.0	2.0	1.0		1.0m†	12	300m§	500m	75mΔ	60			0C		F176a	Y220b
85	MC78M15CT	15	4.0 %	4.0 %	35	2.0	2.0	500m		1.0m†	12	100m§	495m	150mΔ	70 †			0C		F174a	Y220b
86	MC7915CT	15 ♦	4.0 %	4.0 %	35	2.0	2.0	1.5		1.0m†	12	300m§	1.5	300mΔ	60 †			0C		F116a	Y220b
87	MC7815CK	15	4.0 %	4.0 %	35	2.0	2.5	1.5	95m†	1.0m†	12	300m§	1.5	300mΔ	60 †			0C		F174b	CN48
88	MC7815CT	15	4.0 %	4.0 %	35	2.0	2.5	1.5		1.0m†	12	300m§	1.5	300mΔ	60 †			0C		F174a	Y220b
89	MC7915CK	15 ♦	4.0 %	4.0 %	35	2.0	2.5	1.5		1.0m†	12	300m§	1.5	300mΔ	60 †			0C		F116	CN48
90#	7815CDA	15	4.0 %	4.0 %	35	2.0	3.5	1.0		1.0m†	12	300m§	500m	75mΔ	60			0C		F176b	TO3
91#	7815DA	15	4.0 %	4.0 %	35	2.0	3.5	1.0		1.0m†	12	150m§	500m	75mΔ	60			5E		F176b	TO3
92▼	JANM38510/10708AYA	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C		F186b	TO3
93▼	JANM38510/10708AYB	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C		F186b	TO3
94▼	JANM38510/10708AYC	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C		F186b	TO3
95▼	JANM38510/10708BYA	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C		F186b	TO3
96▼	JANM38510/10708BYB	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C		F186b	TO3

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

LINE No.	4 TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	2 MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1▼	JANM38510/10708BYC	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C	F186b	TO3
2▼	JANM38510/10708CYA	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C	F186b	TO3
3▼	JANM38510/10708CYB	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C	F186b	TO3
4▼	JANM38510/10708CYC	15	5.0 %	5.0 %	35	3.5	3.6 *	1.0		3.8m	17	150m§	995m	300mΔ	53			5C	F186b	TO3
5	LM320MP15	15 ♦	4.0 %	4.0 %	35	2.5	7.5 *	500m			17	30m§	495m	100mΔ	56			0C	F152a	Y202a
6	LM341P15	15	4.0 %	4.0 %	35		7.5 *	500m			12	300m§	495m	300mΔ	50 †			07	F150	MP577
7♦	uA78C15U1C	15	4.0 %	4.0 %	35	5.0	7.5 *	500m			10	50m§	455m	150mΔ	54 †			0C	F185	MP732
8	LM320T15	15 ♦	4.0 %	4.0 %	35		15	1.0			17	30m§	995m	120mΔ				0C	F152a	MP575
9▼	LM340-15DA	15	4.0 %	4.0 %	35	17 *	15 *	1.5			12	300m§	1.4	300mΔ	50 †			07	F110	TO3
10▼	LM340-15U	15	4.0 %	4.0 %	35	17 *	15 *	1.5			12	300m§	1.4	300mΔ	50 †			07	F110	Y220b
11	LM340K15	15	4.0 %	4.0 %	35		15 *	1.5			12	300m§	1.4	300mΔ	50 †			07	F110	CN48a
12	LM340T15	15	4.0 %	4.0 %	35		15 *	1.5			12	300m§	1.4	300mΔ	50 †			07	F110	MP575
13	uA7815CDA	15	4.0 %	4.0 %	35	17 *	15 *	1.0	19 †	1.0m	18	150mΔ	1.5	150mΔ	60			08	F112	TO3
14	uA7815CU	15	4.0 %	4.0 %	35	17 *	15 *	1.0	19 †	1.0m	18	150mΔ	1.5	150mΔ	60			08	F112	Y220b
15	uA7815DA	15	4.0 %	4.0 %	35	18 *	15 *	1.0	19 †	1.0m	18	75mΔ	1.5	75mΔ	60			5C	F112	TO3
16▼	LAS1915	15	5.0 %	5.0 %	35	2.6	50	5.0		30m%	9.0	2.0	4.9	600m	60			5D	F182	TO3
17	DE15D100	15	15	15	40			100m			1.0	10m	100m	10m				27		MP275a
18	LAS6115	15	1.0 %	1.0 %	40	2.8		25		7.0mΔ		10mΔ	25	200m	60			5C	F137	MP541
19	LAS6215	15	5.0 %	5.0 %	40	2.8		25		7.0mΔ		10mΔ	25	200m	60			5C	F137a	MP541a
20	LAS6315	15	1.0 %	1.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137	MP541
21	LAS6415	15	5.0 %	5.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137a	MP541a
22	uA78M20UC	15	4.0 %	4.0 %	40		*	500m		1.1m†	12	100m§	495m	400mΔ	53			0E	F112	MP582
23	uA304HC	15 ♦	35m	30	40	2.0		20m		1.0 %	4.0	100m	20m	5.0mΔ	79 †			07	F002	TO100
24	LM304H	15 ♦	35m	30	40	2.0	500m§	20m		1.0 %	4.0	100m♦	20m	5.0mΔ	74 †			07	F002	CN10n
25	NC531	15	8.0	38	40	2.0	500m	250m	500m	10mΔ		100mΔ	100m	250m	40 †			5C	F021	CN17a
26	RC104BL	15 ♦	35m	30	40	500m	500m				4.0	100m	20m	5.0mΔ	74 †			07	F128	CH25
27#	SFC2304	15 ♦	35m	30	40	2.0	500m§			1.0m%	4.0	100m♦	20m	5.0mΔ	60			07	F002	TO100
28	SG304T	15 ♦	35m	30	40	2.0	500m	25m		1.0 %	4.0	100m	20m	5.0mΔ	60			07	F002	TO100
29	uPC142A	15 ♦	30	35m	40	2.0	500m	50m		1.0 %§	4.0	100m♦	20m	5.0mΔ				28	F002	CN10e
30	MLM304G	15 ♦	35m	30	40	2.0	680m				5.0	100m	20m	5.0mΔ	60			07	F002	TO100
31	MLM305G	15	4.5	30	40	3.0	680m					60mΔ			47			07	F003	TO99
32	809V15	15			40	2.0	1.6	750m				30mΔ		3.0 *				5C		MP34e
33	859V15	15 ♦			40	2.0	1.6	750m				30mΔ		3.0 *				5C		MP34e
34	NC572	15	13	38	40	1.0	1.8	250m	100m	10mΔ		500mΔ	100m	100m	74			5H		CN35
35	NC573*	15 §	12	37	40	3.0	1.8	200m	100m	5.0m%	2.0	2.0m	90m	7.0m	70			5C		
36	NC581	15	12	38	40	2.0	1.8	625m	100m	10mΔ		500mΔ	100m	100m	74			5H		CN2c
37	NC583	15 ♦	12	38	40	2.0	1.8	625m	100m	10mΔ		500mΔ	100m	100m	74			5H		CN2c
38	LM120H15	15 ♦	2.0 %	2.0 %	40		2.0	200m			18	10m§	195m	25mΔ				5C	F109	CN38d
39	LM220H15	15 ♦	2.0 %	2.0 %	40		2.0	200m			18	10m§	195m	25mΔ				2F	F109	CN38d
40	LM320H15	15 ♦	2.6 %	2.6 %	40		2.0	200m			18	20m§	195m	40mΔ				oC	F109	CN38d
41#	TDB2915CM	15 ♦	2.0 %	2.0 %	40	30	2.0	200m			18	20m§	195m	40mΔ				07		TO39
42#	TDC2915CM	15	2.0 %	2.0 %	40	30	2.0	200m			18	10m§	195m	25mΔ				5C		TO39
43	RE15D100	15			40	1.0	3.0	100m	100m	3.0m	1.0	10m	100m	10m	80 †			27		MP275
44	LAS2115	15	1.0 %	1.0 %	40	4.6	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F137	MP539
45	LAS2215	15	5.0 %	5.0 %	40	4.6	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F137a	MP539a
46	LAS2315	15	1.0 %	1.0 %	40	4.6	9.0	2.3		7.0mΔ		10mΔ	2.3	200m	60			5C	F137	MP539
47	LAS2415	15	5.0 %	5.0 %	40	4.6	9.0	2.3		7.0mΔ		10mΔ	2.3	200m	60			5C	F137a	MP539a
48	LAS2615	15 ♦	1.0 %	1.0 %	40	5.2	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F138	MP539
49	LAS2715	15 ♦	5.0 %	5.0 %	40	5.2	9.0	5.0		7.0mΔ		10mΔ	5.0	200m	60			5C	F138a	MP539a
50	LAS2815	15 ♦	1.0 %	1.0 %	40	5.2	9.0	2.3		7.0mΔ		10mΔ	2.3	200m	60			5C	F138	MP539
51	LAS2915	15 ♦	5.0 %	5.0 %	40	5.2	9.0	2.3		7.0mΔ		10mΔ	2.3	200m	60			5C	F138a	MP539a
52	LAS4115	15	1.0 %	1.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F137	MP540
53	LAS4215	15	5.0 %	5.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F137a	MP540a
54	LAS4315	15	1.0 %	1.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F137	MP540
55	LAS4415	15	5.0 %	5.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F137a	MP540a
56	LAS4615	15 ♦	1.0 %	1.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F138	MP540
57	LAS4715	15 ♦	5.0 %	5.0 %	40	2.8	11	15		7.0mΔ		10mΔ	15	200m	60			5C	F138a	MP540a
58	LAS4815	15 ♦	1.0 %	1.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F138	MP540
59	LAS4915	15 ♦	5.0 %	5.0 %	40	2.8	11	10		7.0mΔ		10mΔ	10	200m	60			5C	F138a	MP540a
60	LAS1415	15	5.0 %	5.0 %	40	2.5	15	1.5		30m%	10	2.0	1.5	600m	58			5E	F168	CN48b
61	LAS1515	15	5.0 %	5.0 %	40	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
62	LAS1815	15 ♦	5.0 %	5.0 %	40	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
63	LM120K15	15 ♦	2.0 %	2.0 %	40		20	1.0			18	10m§	995m	80mΔ				5C	F109	TO3
64	LM220K15	15 ♦	2.0 %	2.0 %	40		20	1.0			18	10m§	995m	80mΔ				2F	F109	CN48a
65	LM320K15	15 ♦	2.6 %	2.6 %	40		20	1.0			18	20m§	995m	80mΔ				0C	F109	CN48a
66#	TDB2915KM	15 ♦	2.0 %	2.0 %	40	30	20	1.0			18	20m§	995m	80mΔ				07		TO3
67#	TDB2915SP	15 ♦	2.0 %	2.0 %	40	30	20	1.0			18	20m§	995m	80mΔ				07		Y220a
68#	TDC2915KM	15	2.0 %	2.0 %	40	30	20	1.0			18	10m§	995m	80mΔ				5C		TO3
69#	SI3150G	15			40	4.0	50	1.5	120m	4.0m	10	1.6	1.5	1.2	52			28	F115	MP375
70	LAS3215	15	15	16	40	2.5	140	10				10mΔ	10	200m	60			5E	F137b	MP539
71	LAS5215	15	15	16	40	2.5	270	20				14mΔ	20	200m	60			5E	F137b	MP540
72	LAS7215	15	15	16	40	2.5	400	30				16mΔ	30	200m	60			5E	F137b	MP541
73	MIVR42050-158	15			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
74	MIVR42051-154	15 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
75#	SI3150M	15			45	4.0	30	1.5		4.0m	10		1.5		55			1A	F123	TO3
76	SG3501AN	15 §	3.3 %	3.3 %	50	2.0	600m	200m		300m%†	33	20m§	50m	30mΔ	75 †			07		MP39a
77	SG3501AT	15 §	3.3 %	3.3 %	50	2.0	680m	200m		300m%†	33	20m§	50m	30mΔ	75 †			07	F157	TO100
78	SG3501AJ	15 §	3.3 %	3.3 %	50	2.0	1.0	200m		300m%†	33	20m§	50m	30mΔ	75 †			07	F157	TO116
79#	SI3150E	15			55	4.0	25	1.0	200m	6.0m	10	1.9	1.0	1.3	37			2A	F082	TO3
80	SG2501AN	15 §	4.0 %	4.0 %	60	2.0	600m	200m		300m%†	43	10m§	50m	10mΔ	75 †			07		MP39a
81	SG4501N	15 §	5.0 %	5.0 %	60	2.0	600m	100m			43	10m§	50m	10mΔ	75 †			07	F097	MP39a
82	SG1501AT	15 §	4.0 %	4.0 %	60	2.0	680m	200m		300m%†	43	67m	50m	10mΔ	75 †			5C	F157	TO100
83	SG2501AT	15 §	4.0 %	4.0 %	60	2.0	680m	200m		300m%†	43	67m	50m	10mΔ	75 †			07	F157	TO100
84	SG4501T	15 §	5.0 %	5.0 %	60	2.0	680m	100m			43	10m§	50m	10mΔ	75 †			07	F097	TO100
85	SG1501AJ	15 §	4.0 %	4.0 %	60	2.0	1.0			300m%†	43	10m§	50m	10mΔ	75 †			5C	F157	TO116
86	SG2501AJ	15 §	4.0 %	4.0 %	60	2.0	1.0	200m		300m%†	43	10m§	50m	10mΔ	75 †			07	F157	TO116
87	SG4501J	15 §	5.0 %	5.0 %	60	2.0	1.0	100m			43	10m§	50m	10mΔ	75 †			07	F097	TO116
88#	SFC2376DC	16	5.0	27	30	3.0	400m	25m		20m	18	400mΔ	25m	1.5	50			07	F070	MP48
89▼	RC4194DB	16 §	50m	32	35	3.0	625m	100m		15mΔ§		1.0	99m	4.0 *	70			0C	F096a	MP39d
90	HEPC6049G-RT	16	2.5	32	35	2.1	680m	250m	120m	2.0mΔ†		30mΔ	49m	130mΔ				07	F042	CN10m
91	XR4194CN	16 §	50m	32	35	3.0	900m	150m	80k	15mΔ	3.2	100m		4.0	70 †			0C	F171a	MP∅
92▼	SG4194CJ	16 §	100m	32	35	3.0	1.0	100m		15mΔ		100m	99m	4.0 *	70 †			0C	F171a	TO116
93	HEPC6049R-RT	16	2.5	32	35	2.1	3.0	600m	120m	2.0mΔ†		30mΔ	49m	50mΔ				07	F042	CN30
94▼	SG4194CR	16 §	100m	32	35	3.0	3.0	200m		15mΔ		100m	199m	4.0 *	70 †			0C	F171	CN30
95	XR4194CK	16 §	50m	32	35	3.0	3.0	250m	80k	15mΔ	3.2	100m		4.0	70 †			0C	F171	CN∅
96	79MGT1C	16 ♦	2.2	30	40	5.0	*	500m		400ut§	12	750m	495m	1.0	50			0C	F140	MP552
97	79MGT2C	16 ♦	2.2	30	40	5.0	*	500m		400ut§	12	750m	495m	1.0	50			0C	F140	MP553
98	79MGT3C	16 ♦	2.2	30	40	5.0	*	500m		400ut§	12	750m	495m	1.0	50			0C	F140	MP554
99	uA79GKC	16 ♦	2.2	30	40	7.0 *	*	1.5		400ut§	12	750m	1.5	2.0	50			0C	F142	CN57
100	uA79GKM	16 ♦	2.2	30	40	7.0 *	*	1.5		400ut§	12	750m	1.5	2.0	50			5E	F142	CN57
101	uA79GU1C	16 ♦	2.2	30	40	7.0 *	*	1.5		400ut§	12	750m	1.5	2.0	50			0C	F142	MP556
102	uA79MGHC	16 ♦	2.2	30	40		*	500m		400u	17	1.0	495m	1.0	50			0E	F140	
103	uA79MGHM	16 ♦	2.2	30	40		*	500m		400u	17	1.0	495m	1.0	50			5E	F140	
104	uA79MGU1C	16 ♦	2.2	30	40		*	500m		400u	17	1.0	495m	1.0	50			0E	F140	MP556
105#	SFC2200	16	2.0	30	40	8.5 *	400m			300u%		100mΔ	12m	100m				07	F001	TO99
106#	SFC2100M	16	2.0	30	40	8.5 *	500m			300u%		100mΔ	12m	100m				5C	F001	TO99

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	SG200N	16	2.0	30	40	3.0	600m	20m		1.0 %§		200mΔ		500m		3.0u		07	F001	MP39a
2	SG100T	16	2.0	30	40	3.0	680m	20m		1.0 %§		200mΔ		500m		3.0u	5.0u	5C	F001	TO99
3	SG200T	16	2.0	30	40	3.0	680m	20m		1.0 %§		200mΔ		500m		3.0u		07	F001	TO99
4	LM100F	16	2.0	30	40	3.0	800m§	12m		1.0 %		200mΔ		500m				5C	F001	FP37
5	LM100H	16	2.0	30	40	3.0	800m§	12m		1.0 %		200mΔ		500m				5C	F001	CN1d
6	LM200F	16	2.0	30	40	3.0	800m§	12m		1.0 %		200mΔ		500m				5C	F001	FP37
7	LM200H	16	2.0	30	40	3.0	800m§	12m		1.0 %		200mΔ		500m				5C	F001	CN1d
8	SN72376L	16	5.0	37	40	3.0	800m	25m			3.0	60mΔ	12m	50m				07	F003	TO99
9	SN72376P	16	5.0	37	40	3.0	800m	25m			3.0	60mΔ	12m	50m				07	F003	MP267
10	LAS18U	16 ♦	2.6	30	40	2.1	15	1.5			15	1.0	1.4	600m	59			5E	F169a	CN57a
11	LAS14U	16	2.6	30	40	2.5	30	3.0			10	1.0	2.9	600m	66			5E	F168a	CN57a
12	MIVR42050-168	16			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
13	MIVR42051-164	16 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
14	SG3502N	16	10	23	50	2.0	600m	100m		300m%†	10	100m	50m	100m	75 †			07	F097	MP39a
15	SG3502J	16	10	23	50	2.0	1.0	100m		300m%†	10	100m	50m	100m	75 †			07	F097	TO116
16	MCC1463	17 ♦	3.8	32	35	3.0		600m	35m†				20m	700uΔ				5C	F064	CH6
17#	M5199T	17	2.5	32	35	9.5	650m	200m		10m†Δ		30mΔ	50m	10mΔ				27	F094	TO100
18	MC1469G	17	2.5	32	35	3.0	680m	250m	120m	2.0m†Δ		30mΔ		2.4mΔ	89 †		50n	07	F042	CN10b
19	MC1461G	17	2.5	32	35	3.0	3.0	250m	120m	2.0m%		30mΔ	19m	2.4mΔ	64		50n	07	F042	CN10b
20	MC1461R	17	2.5	32	35	3.0	3.0	600m	120m	2.0m%		30mΔ	19m	2.4mΔ	64		50n	07	F042	CN30
21	MC1469R	17	2.5	32	35	3.0	3.0	600m	120m	2.0m†Δ		30mΔ		2.4mΔ	89 †		50n	07	F042	CN30
22#	M5199AY	17	2.5	32	35	9.5 *	3.3	1.0	120m	10m†Δ		30mΔ	50m	10mΔ				27	D033	CN24
23♦	uA78C17U1C	17	4.1 %	4.1 %	35	5.0	7.5 *	500m			10	50m§	455m	170mΔ	54 †			0C	F185	MP732
24	SG305M	17	4.5	30	40	3.0				1.0 %§		60mΔ		100m	40	3.0u	3.0u	07		
25	uA78GKC	17	5.0	30	40	7.5 *	*	1.5		1.1m†§	12	750m	1.5	2.0	62			0C	F143	CN57
26	uA78GKM	17	5.0	30	40	7.5 *	*	1.5		1.1m†§	12	750m	1.5	2.0	68			5E	F143	CN57
27	uA78GU1C	17	5.0	30	40	7.5 *	*	1.5		1.1m†§	12	750m	1.5	2.0	62			0C	F143	MP556
28	uA78MGHC	17	5.0	30	40		*	500m		500u†	17	1.0	495m	1.0	62			5E	F159	
29	uA78MGHM	17	5.0	30	40		*	500m		500u†	17	1.0	495m	1.0	62			5E	F159	
30	uA78MGT2C	17	5.0	30	40		*	500m		500u†	17	1.0	495m	1.0	62			0E	F159	MP553
31	uA78MGU1C	17	5.0	30	40		*	500m		500u†	17	1.0	495m	1.0	62			0E	F159	MP556
32	uA305HC	17	4.5	30	40			12m		1.0 %		60mΔ	12m	100m				07	F134	CN1d
33	RC105BL	17 ♦	4.5	30	40	3.0	400m					60m	12m	50m	90 †			07	F129	CH26
34	AMLM305	17	4.5	30	40	3.0	500m			1.0 %		60mΔ	12m	50m				07	F003	TO99
35	LM305H	17	4.5	30	40	3.0	500m	12m		1.0 %		60m♦	12m	50m				07	F134	CN1d
36#	SFC2305	17	4.5	30	40	3.0	500m§			1.0m%		60mΔ	12m	50m	80			07	F003	TO99
37	uPC141A	17	4.5	30	40	3.0	500m	50m		1.0 %§		60mΔ	12m	50m				28	F134	Δ002AK
38	uPC141C	17	4.5	30	40	3.0	500m	50m		1.0 %§		60mΔ	12m	50m				27	F134	MP189a
39	uPC305C	17	4.5	30	40	3.0	500m	50m		1.0 %§		60mΔ	12m	50m				07	F134	MP189a
40	SG305N	17	4.5	30	40	3.0	600m	20m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	07	F003	MP39a
41	SN52723FA	17	2.0	37	40	3.0	650m	150m			28	200m	49m	150m	74 †			5C	G030	FP2t
42	SN72723FA	17	2.0	37	40	3.0	650m	150m			28	500m	49m	200m	74 †			07	G030	FP2t
43	uA723CU	17	2.0	37	40	3.0	675m	150m			28	500m	49m	200m	74 †			07	F167b	Δ004AE
44	uA723MU	17	2.0	37	40	3.0	675m	150m			28	200m	49m	150m	74 †			5C	F167b	Δ004AE
45	SG305T	17	4.5	30	40	3.0	680m	20m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	5C	F003	TO99
46	LM305JG	17	4.5	30	40	3.0	800m	12m				60mΔ	12m	100m				07	F003	MP401d
47	LM305L	17	4.5	30	40	3.0	800m	12m				60mΔ	12m	100m				07	F003	CN1k
48	LM376JG	17	5.0	37	40	3.0	800m	25m				100mΔ	25m	500m				07	F003	MP401d
49	LM376L	17	5.0	37	40	3.0	800m	25m				100mΔ	25m	500m				07	F003	CN1k
50	LM376P	17	5.0	37	40	3.0	800m	25m				100mΔ	25m	500m				07	F003	MP267d
51	uA723ML	17	2.0	37	40	3.0	800m	150m			28	200m	49m	150m	74 †			5C	F167a	CN10g
52	uA723CJ	17	2.0	37	40	3.0	1.0	150m			28	500m	49m	200m	74 †			07	F167	MP139b
53	uA723CN	17	2.0	37	40	3.0	1.0	150m			28	500m	49m	200m	74 †			07	F167	MP598
54	uA723MJ	17	2.0	37	40	3.0	1.0	150m			28	200m	49m	150m	74 †			5C	F167	MP139b
55	LM317KC	17	1.2	37	40		2.0	1.5				70mΔ	1.4	500m	66			0C	F166	Y220b
56	LM117KA	17	1.2	37	40		3.5	1.5				50mΔ	1.4	500m	66			5C	F166	TO3
57	LM217KA	17	1.2	37	40		3.5	1.5				50mΔ	1.4	300m	66			2F	F166	TO3
58	LM217KC	17	1.2	37	40		3.5	1.5				50mΔ	1.4	300m	66			2F	F166	Y220b
59	LM317KA	17	1.2	37	40		3.5	1.5				70mΔ	1.4	500m	66			0C	F166	TO3
60	LAS15U	17	4.0	30	40	2.4	15	1.5			15	1.0	1.4	600m	58			5E	F168a	CN57a
61	LM105JG	17	4.5	40	50	3.0	800m	12m				60mΔ	12m	100m				5C	F003	MP401d
62	LM105L	17	4.5	40	50	3.0	800m	12m				60mΔ	12m	100m				5C	F003	CN1k
63	LM205JG	17	4.5	40	50	3.0	800m	12m				30mΔ	12m	50m				28	F003	MP401d
64	LM205L	17	4.5	40	50	3.0	800m	12m				30mΔ	12m	50m				28	F003	CN1k
65	LM205P	17	4.5	40	50	3.0	800m	12m				30mΔ	12m	50m				28	F003	MP267d
66	LM305AJG	17	4.5	40	50	3.0	800m	45m				60mΔ	45m	400m				07	F003	MP401d
67	LM305AL	17	4.5	40	50	3.0	800m	45m				60mΔ	45m	400m				07	F003	CN1k
68	SN52105JP	17	4.5	40	50	3.0	800m	12m			10	30mΔ	12m	50m				5C	F003	MP383
69	SN52105L	17	4.5	40	50	3.0	800m	12m			10	30mΔ	12m	50m				5C	F003	TO99
70	SN72305AL	17	4.5	40	50	3.0	800m	45m			10	30mΔ	12m	50m				07	F003	TO99
71	SN72305AP	17	4.5	40	50	3.0	800m	45m			10	30mΔ	12m	50m				07	F003	MP267
72♦	SG140-18K	18	3.8 %	3.8 %	33	21 *	*	1.5	22 †	1.2m†	12	180m§	1.4	180mΔ	69 †			5F	F091	TO3
73▼	SG140-18R	18	3.8 %	3.8 %	33	21 *	*	1.5		1.2m†	12	180m§	1.4	180mΔ	69 †			5F	F091	TO66
74♦	SG140-18T	18	3.8 %	3.8 %	33	21 *	*	500m	22 †	1.2m†	12	180m§	495m	90mΔ	69 †			5F	F091	TO39
75♦	SG340-18K	18	3.8 %	3.8 %	33	21 *	*	1.5	22 †	1.2m†	12	360m§	1.4	360mΔ	69 †			0C	F091	TO3
76▼	SG340-18P	18	3.8 %	3.8 %	33	21 *	*	1.5		1.2m†	12	360m§	1.4	360mΔ	69 †			0C	F091	Y220b
77▼	SG340-18R	18	3.8 %	3.8 %	33	21 *	*	1.5		1.2m†	12	360m§	1.4	360mΔ	69 †			0C	F091	TO66
78♦	SG340-18T	18	3.8 %	3.8 %	33	21 *	*	500m	22 †	1.2m†	12	360m§	495m	180mΔ	69 †			0C	F091	TO39
79	SG7818ACK	18	1.7 %	1.7 %	33	21 *	*	1.5		1.2m	12	180m§	1.5	180mΔ	69 †			0C	F180b	TO3
80▼	SG7818ACP	18	1.7 %	1.7 %	33	21 *	*	1.5		1.2m	12	180m§	1.5	180mΔ	69 †			0C	F180c	Y220b
81	SG7818ACR	18	1.7 %	1.7 %	33	21 *	*	1.5		1.2m	12	180m§	1.5	180mΔ	69 †			0C	F180	TO66
82♦	SG7818ACT	18	1.7 %	1.7 %	33	21 *	*	500m		1.2m	12	180m§	495m	90mΔ	69 †			0C	F180a	TO39
83	SG7818AK	18	1.7 %	1.7 %	33	21 *	*	1.5		1.2m	12	90m§	1.5	120mΔ	69 †			5E	F180b	TO3
84	SG7818AR	18	1.7 %	1.7 %	33	21 *	*	1.5		1.2m	12	90m§	1.5	120mΔ	69 †			5E	F180	TO66
85♦	SG7818AT	18	1.7 %	1.7 %	33	21 *	*	500m		1.2m	12	90m§	495m	60mΔ	69 †			5E	F180a	TO39
86♦	SG7818CK	18	3.8 %	3.8 %	33	21 *	*	1.5	22 †	1.2m†	12	360m§	1.4	360mΔ	69 †			0C	F091	TO3
87▼	SG7818CP	18	3.8 %	3.8 %	33	21 *	*	1.5		1.2m†	12	360m§	1.4	360mΔ	69 †			0C	F091	Y220b
88▼	SG7818CR	18	3.8 %	3.8 %	33	21 *	*	1.5		1.2m†	12	360m§	1.4	360mΔ	69 †			0C	F091	TO66
89♦	SG7818CT	18	3.8 %	3.8 %	33	21 *	*	500m	22 †	1.2m†	12	360m§	495m	180mΔ	69 †			0C	F091	TO39
90♦	SG7818K	18	3.8 %	3.8 %	33	21 *	*	1.5	22 †	1.2m†	12	180m§	1.4	180mΔ	69 †			5E	F091	TO3
91▼	SG7818R	18	3.8 %	3.8 %	33	21 *	*	1.5		1.2m†	12	180m§	1.4	180mΔ	69 †			0F	F091	TO66
92♦	SG7818T	18	3.8 %	3.8 %	33	21 *	*	500m	22 †	1.2m†	12	180m§	495m	90mΔ	69 †			5E	F091	TO39
93	uA7818CKC	18	3.8 %	3.8 %	33		2.0	1.5	22m†	1.0m†	12	360m§	1.4	360mΔ	53			0C	F165a	Y220b
94	uA7918CKC	18 ♦	3.8 %	3.8 %	33		2.0	1.5		1.0m†	12	360m§	1.4	360mΔ	54			0C	F162a	Y220b
95	uA7818CKA	18	3.8 %	3.8 %	33		3.5	1.5	22m†	1.0m†	12	360m§	1.4	360mΔ	53			0C	F165	TO3
96	uA7818MKA	18	3.8 %	3.8 %	33		3.5	1.5	22m†	1.0m†	12	180m§	1.4	180mΔ	59			5C	F165	TO3
97	uA7918CKA	18 ♦	3.8 %	3.8 %	33		3.5	1.5		1.0m†	12	360m§	1.4	360mΔ	54			0C	F162	TO3
98	uA7918MKA	18 ♦	3.8 %	3.8 %	33		3.5	1.5		1.0m†	12	180m§	1.4	180mΔ	54			5C	F162	TO3
99#	STK522	18	1.6 %	1.6 %	34			500m	15m†	1.0m†	8.0	6.4m§						38	F121a	MP417
100#	STK532	18	1.6 %	1.6 %	34			1.0	30m†	1.0m†	7.0	12m§						38	F121a	MP417
101#	STK542	18	1.6 %	1.6 %	34			500m	80m†	2.0m†	8.0	320m§						38	F147	MP417
102	HEPC6054G-RT	18 ♦	3.8	32	35	1.5		200m	120m	2.0mΔ†		30mΔ	49m					07	F064	CN10m
103	HEPC6054R-RT	18 ♦	3.8	32	35	1.5		200m	120m	2.0mΔ†		30mΔ	49m					07	F064	CN30
104	LM78L18ACH	18	5.0 %	5.0 %	35		*	100m			12	325m§	99m	170mΔ	33			07	F148	CN38d
105	LM78L18ACZ	18	5.0 %	5.0 %	35		*	100m			12	325m§	99m	170mΔ	33			07	F148	MP573
106	LM78L18CH	18	10 %	10 %	35		*	100m			11	327m§	99m	170mΔ	32			07	F148	CN38d
107	LM78L18CZ	18	10 %	10 %	35		*	100m			11	327m§	99m	170mΔ	32			07	F148	MP573
108	LM342P18	18	4.1 %	4.1 %	35		*	200m			12	360m§	199m	360mΔ	31			07	F151	MP577
109	MCC1469	18	2.5	32	35	3.0		600m	35m†									5C	F042	CH7
110#	SFC2818EC	18	3.8 %	3.8 %	35	2.0					12	360m§	1.0	360mΔ	59 †			07		Y220b

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	2 MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TC MP / EO DE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1#	SFC2818RC	18	3.8 %	3.8 %	35	2.0					12	360m§	1.0	360mΔ	59 †			07		TO3
2#	TDB7818	18	3.8 %	3.8 %	35			2.1	22m†	1.0m†§	12	360m§	1.4	360mΔ	53			08	F183	TO3
3#	TDB7818T	18	3.8 %	3.8 %	35			2.1	22m†	1.0m†§	12	360m§	1.4	360mΔ	53			08	F183	Y220a
4#	TDC7818	18	3.8 %	3.8 %	35			2.1	22m†	1.0m†§	12	180m§	1.4	180mΔ	59			5C	F183	TO3
5	uA78L18AHC	18	3.0 %	3.0 %	35							300m§		180mΔ	56 †			07	F130	TO39
6	uA78L18AWC	18	3.0 %	3.0 %	35							300m§		180mΔ	56 †			07	F130	TO92
7	uA78L18AWV	18	3.0 %	3.0 %	35							300m§		180mΔ	56 †			07	F130	TO92
8	uA7818KC	18	3.8 %	3.8 %	35			2.1	22m†	1.0m†§	12	360m§	1.4	360mΔ	53			0C	F091	TO3
9	uA7818KM	18	3.8 %	3.8 %	35			2.1	22m†	1.0m†§	12	180m§	1.4	180mΔ	59			5F	F091	TO3
10	uA7818UC	18	3.8 %	3.8 %	35			2.1	22m†	1.0m†§	12	360m§	1.4	360mΔ	53			0C	F091	MP582
11	uA7918KC	18 ♦	3.9 %	3.9 %	35		*	1.5		1.0m†	12	360m§	1.4	360mΔ				0E	F162	TO3
12	uA7918KM	18 ♦	3.9 %	3.9 %	35		*	1.5		1.0m†	12	180m§	1.4	180mΔ				5E	F162	TO3
13	uA7918UC	18 ♦	3.9 %	3.9 %	35		*	1.5		1.0m†	12	360m§	1.4	360mΔ				0E	F162a	MP582
14	LM140LAH18	18	2.0 %	2.0 %	35	2.4	81m*	100m	200m†	2.0 %†	12	80m§	99m	130mΔ	44			5C	F148	CN40
15	LM240LAH18	18	2.0 %	2.0 %	35	2.4	81m*	100m	200m†	2.0 %†	12	80m§	99m	65mΔ	44			28	F148	CN40
16	LM240LAZ18	18	2.0 %	2.0 %	35	2.4	81m*	100m	200m†	2.0 %†	12	80m§	99m	65mΔ	44			28	F148	MP573
17	LM340LAH18	18	2.0 %	2.0 %	35	2.4	81m*	100m	200m†	2.0 %†	12	80m§	99m	130mΔ	44			07	F148	CN40
18	LM340LAZ18	18	2.0 %	2.0 %	35	2.4	81m*	100m	200m†	2.0 %†	12	80m§	99m	130mΔ	44			07	F148	MP573
19	MC78L18ACP	18	5.0 %	5.0 %	35	1.7	700m	100m			12	275m§	99m	170mΔ				0C	F144a	TO92
20	MC78L18CP	18	10 %	10 %	35	1.7	700m	100m			12	325m§	99m	170mΔ				0C	F144a	TO92
21	MC79L18ACP	18 ♦	5.0 %	5.0 %	35	1.7	700m	100m			12	325m§	99m	170mΔ				0C	F145a	TO92
22	MC79L18CP	18 ♦	10 %	10 %	35	1.7	700m	100m			11	275m§	99m	170mΔ				0C	F145a	TO92
23	MC78M18CG	18	3.8 %	3.8 %	35	2.0	800m	500m		1.0m†	12	100m§	495m	360mΔ	70 †			0C	F174	TO39
24	MC78L18ACG	18	5.0 %	5.0 %	35	1.7	850m	100m			12	275m§	99m	170mΔ				0C	F144	TO39
25	MC78L18CG	18	10 %	10 %	35	1.7	850m	100m			12	325m§	99m	170mΔ				0C	F144	TO39
26	MC79L18ACG	18 ♦	5.0 %	5.0 %	35	1.7	850m	100m			12	325m§	99m	170mΔ				0C	F145	TO39
27	MC79L18CG	18 ♦	10 %	10 %	35	1.7	850m	100m			11	275m§	99m	170mΔ				0C	F145	TO39
28#	7818CU	18	3.8 %	3.8 %	35	2.0	2.0	1.0		1.0m†	11	360m§	500m	180mΔ	59			0C	F176a	Y220b
29	LM120H18	18 ♦	2.2 %	2.2 %	35	2.5	2.0 *	200m			14	12m§	195m	25mΔ	54			5F	F152a	CN40
30	LM220H18	18 ♦	2.2 %	2.2 %	35		2.0 *	200m			14	12m§	195m	25mΔ	54			2F	F152a	CN40
31	LM320H18	18 ♦	3.3 %	3.3 %	35	2.5	2.0 *	200m			15	24m§	195m	40mΔ	75 †			0C	F152a	CN40
32	MC78M18CT	18	3.8 %	3.8 %	35	2.0	2.0	500m		1.0m†	12	100m§	495m	360mΔ	70 †			0C	F174a	Y220b
33	MC7918CT	18 ♦	3.8 %	3.8 %	35	2.0	2.0	1.5		1.0m†	12	360m§	1.5	360mΔ	59 †			0C	F116a	Y220b
34	MC1463G	18 ♦	3.8	32	35	1.5	2.4	200m	35m	2.0m†Δ		30mΔ	19m	2.4mΔ	94 †			07	F064	CN10b
35	MC1463R	18 ♦	3.8	32	35	1.5	2.4	500m	35m	2.0m†Δ		30mΔ	19m	2.4mΔ	94 †			07	F064	CN30
36	MC7818CK	18	3.8 %	3.8 %	35	2.0	2.5	1.5	110m†	1.0m†	12	360m§	1.5	360mΔ	59 †			0C	F174b	CN48
37	MC7818CT	18	3.8 %	3.8 %	35	2.0	2.5	1.5		1.0m†	12	360m§	1.5	360mΔ	59 †			0C	F174a	Y220b
38	MC7918CK	18 ♦	3.8 %	3.8 %	35	2.0	2.5	1.5		1.0m†	12	360m§	1.5	360mΔ	59 †			0C	F116	CN48
39#	7818CDA	18	3.8 %	3.8 %	35	2.0	3.5	1.0		1.0m†	11	360m§	500m	180mΔ	59			0C	F176b	TO3
40#	7818DA	18	3.8 %	3.8 %	35	2.0	3.5	1.0		1.0m†	11	1.8m§	500m	90mΔ	59			5E	F176b	TO3
41	LM320MP18	18 ♦	3.8 %	3.8 %	35	3.0	7.5 *	500m			14	36m§	495m	100mΔ	54			0C	F152a	Y202a
42	LM341P18	18	4.1 %	4.1 %	35		7.5 *	500m			12	360m§	495m	360mΔ	48 †			07	F150	MP577
43♦	uA78C18U1C	18	4.0 %	4.0 %	35	5.0	7.5 *	500m			10	50m§	455m	180mΔ	54 †			0C	F185	MP732
44	LM320T18	18 ♦	3.9 %	3.9 %	35		15	1.0			14	36m§	995m	120mΔ				0C	F152a	MP575
45▼	LM340-18DA	18	3.9 %	3.9 %	35	21 *	15 *	1.5			12	360m§	1.4	360mΔ	48 †			07	F110	TO3
46▼	LM340-18U	18	3.9 %	3.9 %	35	21 *	15 *	1.5			12	360m§	1.4	360mΔ	48 †			07	F110	Y220b
47	LM340K18	18	3.8 %	3.8 %	35		15 *	1.0			12	360m§	995m	360mΔ	48 †			07	F110	CN48a
48	LM340T18	18	3.8 %	3.8 %	35		15 *	1.0			12	360m§	995m	360mΔ	48 †			07	F110	MP575
49	uA7818CDA	18	3.8 %	3.8 %	35	21 *	15 *	1.0	22 †	1.0m	18	180mΔ	1.5	180mΔ	59			08	F112	TO3
50	uA7818CU	18	3.8 %	3.8 %	35	21 *	15 *	1.0	22 †	1.0m	18	180mΔ	1.5	180mΔ	59			08	F112	Y220b
51	uA7818DA	18	3.8 %	3.8 %	35	22 *	15 *	1.0	22 †	1.0m	18	90mΔ	1.5	90mΔ	59			5C	F112	TO3
52	LM120K18	18 ♦	2.2 %	2.2 %	35	2.5	20 *	1.0			15	12m§	995m	80mΔ	54			5F	F152a	TO3
53	LM220K18	18 ♦	2.2 %	2.2 %	35	2.5	20 *	1.0			15	12m§	995m	80mΔ	54			2F	F152a	TO3
54	LM320K18	18 ♦	3.3 %	3.3 %	35	2.5	20 *	1.0			15	24m§	995m	80mΔ	75 †			0C	F152a	TO3
55	MCC1723	18	2.0	37	40	3.0					28	500mΔ	49m	150mΔ	76 †			5C	F030	CH12
56	MCC1723C	18	2.0	37	40	3.0					28	500mΔ	49m	200mΔ	76 †			5C	F030	CH12
57#	TDB0117	18	1.2	36	40	1.2		2.2			50m	7.0	5.0m	7.0	65			08		TO3
58#	TDB0117T	18	1.2	36	40	1.2		2.2			50m	7.0	5.0m	7.0	65			08		Y220a
59	LM340KC18	18	3.8 %	3.8 %	40	3.0	180m*	2.5	800m†	2.0 %†	12	360m§	995m	360mΔ	48 †			07	F110	TO3
60	LAS1518	18	5.0 %	5.0 %	40	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
61	LAS1818	18 ♦	5.0 %	5.0 %	40	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
62	MIVR42050-188	18			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
63	MIVR42051-184	18 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
64	LM305AP	18	4.5	40	50	3.0	800m	45m			5.0	60mΔ	45m	200m		5.0u	5.0u	07	F003	MP39k
65	SG117R	19	1.2	37			*				37	50mΔ	1.5	300m	66			5E	F178	TO66
66	SG217R	19	1.2	37			*				37	50mΔ	1.5	300m	66			2E	F178	TO66
67	SG317R	19	1.2	37			*				37	70mΔ	1.5	500m	66			0C	F178	TO66
68	SG117T	19	1.2	37		5.0	1.0 *	500m			37	50mΔ	490m	300m	66			5E	F178b	TO39
69	SG217T	19	1.2	37		5.0	1.0 *	500m			37	50mΔ	490m	300m	66			2E	F178b	TO39
70	SG317T	19	1.2	37		5.0	1.0 *	500m			37	70mΔ	490m	500m	66			0C	F178b	TO39
71	LM117H	19	1.2	37		3.0	2.0 *	1.5	10m†			20mΔ		300m	65 †	25u	25u	5F	F166	CN40
72	LM217H	19	1.2	37		3.0	2.0 *	1.5	10m†			20mΔ		300m	65 †	25u	25u	2F	F166	CN40
73	LM317H	19	1.2	37		3.0	2.0 *	1.5	10m†			40mΔ		400m	65 †	25u	25u	0C	F166	CN40
74	SG117K	19	1.2	37		5.0	4.3 *	1.5			37	50mΔ	1.5	300m	66			5E	F178a	TO3
75	SG217K	19	1.2	37		5.0	4.3 *	1.5			37	50mΔ	1.5	300m	66			2E	F178a	TO3
76	SG317K	19	1.2	37		5.0	4.3 *	1.5			37	70mΔ	1.5	500m	66			0C	F178a	TO3
77	LM117K	19	1.2	37		3.0	20 *	1.5	10m†			20mΔ		300m	65 †	25u	25u	5F	F166	TO3
78	LM317K	19	1.2	37		3.0	20 *	1.5	10m†			40mΔ		400m	65 †	25u	25u	0C	F166	TO3
79	LM317T	19	1.2	37		3.0	20 *	1.5	10m†			40mΔ		400m	65 †	25u	25u	0C	F166	Y220b
80	HEPC6014-RT	19	3.6	35	35	3.0	1.0	200m		3.0m		30m	49m	200m				17	F118a	MP223
81	HEPC6012-RT	19	3.6	35	35	3.0	10	200m		3.0m		30m	50m	200m				17	F118	MP258
82	JANM38510/10201AAA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP24
83	JANM38510/10201AAB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP24
84	JANM38510/10201AAC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP24
85	JANM38510/10201ABA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP24a
86	JANM38510/10201ABB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP24a
87	JANM38510/10201ABC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP24a
88	JANM38510/10201ADA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP25
89	JANM38510/10201ADB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP25
90	JANM38510/10201ADC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079a	FP25
91	JANM38510/10201AHA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079b	FP31
92	JANM38510/10201AHB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079b	FP31
93	JANM38510/10201AHC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079b	FP31
94	JANM38510/10201AIA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079b	CN10e
95	JANM38510/10201AIB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C	F079b	CN10e

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP -+	CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	JANM38510/10201AIC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	CN10e
2	JANM38510/10201BAA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP2r
3	JANM38510/10201BAB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24
4	JANM38510/10201BAC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24
5	JANM38510/10201BBA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24a
6	JANM38510/10201BBB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24a
7	JANM38510/10201BBC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24a
8	JANM38510/10201BDA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP25
9	JANM38510/10201BDB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP25
10	JANM38510/10201BDC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP25
11	JANM38510/10201BHA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	FP31
12	JANM38510/10201BHB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	FP31
13	JANM38510/10201BHC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	FP31
14	JANM38510/10201BIA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	CN10e
15	JANM38510/10201BIB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	CN10e
16	JANM38510/10201BIC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	CN10e
17	JANM38510/10201CAA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24
18	JANM38510/10201CAB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24
19	JANM38510/10201CAC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24
20	JANM38510/10201CBA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24a
21	JANM38510/10201CBB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24a
22	JANM38510/10201CBC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP24a
23	JANM38510/10201CDA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP25
24	JANM38510/10201CDB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP25
25	JANM38510/10201CDC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	FP25
26	JANM38510/10201CHA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	FP31
27	JANM38510/10201CHB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	FP31
28	JANM38510/10201CHC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	FP31
29	JANM38510/10201CIA	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	CN10e
30	JANM38510/10201CIB	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	CN10e
31	JANM38510/10201CIC	19	2.0	37	40	2.5	350m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079b	CN10e
32	JANM38510/10201ACA	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP315
33	JANM38510/10201ACB	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP14z
34	JANM38510/10201ACC	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP315
35	JANM38510/10201BCA	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP315
36	JANM38510/10201BCB	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP315
37	JANM38510/10201BCC	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP315
38	JANM38510/10201CCA	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP315
39	JANM38510/10201CCB	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP315
40	JANM38510/10201CCC	19	2.0	37	40	2.5	400m§	85m		15mΔ	30	300m	9.0m	500m	64			5C		F079a	MP315
41	SG723CN	19	2.0	37	40	3.0	600m	150m		15mΔ	18	500m	49m	200m	86 †	10u	6.0u	07		F030	MP39a
42	SG723N	19	2.0	37	40	3.0	600m	150m		15mΔ	18	500m	49m	200m	86 †	10u	6.0u	5C		F030	MP39a
43	CA3085A	19	1.6	37	40	4.0	630m		300m	3.5m†Δ		100mΔ	99m	600mΔ	50 †	800n	3.0u	5C		F088	Δ002AL
44	CA3085AE	19	1.6	37	40	4.0	630m		300m	3.5m†Δ		100mΔ	99m	600mΔ	50 †	800n	3.0u	5C		F088	MP446
45	CA3085AS	19	1.6	37	40	4.0	630m		300m	3.5 Δ†		100mΔ	99m	600mΔ	50 †	800n	3.0u	5C		F088	
46	CA3085E	19	1.6	37	40	4.0	630m		300m	3.5m†Δ		100mΔ	99m	600mΔ	50 †	800n	3.0u	5C		F088	MP446
47	CA3085L	19	1.6	37	40	4.0	630m		300m	3.5m†Δ		100mΔ	99m	600mΔ	50 †	800n	3.0u	5C		F088	
48	LM723CN	19	2.0	37	40	3.0	660m	150m		15mΔ	28	500m	49m	200m	74 †	10u†	8.0u†	07		F030	MP39n
49	LM723N	19	2.0	37	40	3.0	660m	150m		15mΔ	28	200m	49m	150m	74 †	10u†	8.0u†	5C		F030	MP39n
50	MC1569G	19	2.5	37	40	2.7	680m	250m	80m	2.0m†Δ		15mΔ		1.6mΔ	88 †		50n	5C		F042	CN10b
51	SG723CT	19	2.0	37	40	3.0	680m	150m		15mΔ	18	500m	49m	200m	86 †	10u	6.0u	07		F030	TO100
52	SG1511J	19 ♦	2.0	37	40	3.0	680m	1.0		15mΔ§	3.0	100m	19m	100m	86 †			5C		F154	TO116
53	SG1511T	19 ♦	2.0	37	40	3.0	680m	1.0		15mΔ§	3.0	100m	19m	100m	86 †			5C		F154	TO100
54	SG3511J	19 ♦	2.0	37	40	3.0	680m	1.0		15mΔ§	3.0	100m	19m	100m	86 †			07		F154	TO116
55	SG3511T	19 ♦	2.0	37	40	3.0	680m	1.0		15mΔ§	3.0	100m	19m	100m	86 †			07		F154	TO100
56	CA723CT	19	2.0	37	40	3.0	800m	150m		150mΔ	28	500m	49m	200m	74 †			07		F030	Δ006AF
57	CA723T	19	2.0	37	40	3.0	800m	150m		15mΔ	28	200m	49m	150m	74 †			5C		F030	Δ006AF
58#	L123B1	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	500m	49m	200m	74 †			07		F030d	MP39n
59#	L123D1	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	500m	50m	200m	74			07		F030d	MP319a
60#	L123D2	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	200m	50m	150m	74			5C		F030	MP319a
61#	L123T1	19	2.0	37	40	3.0	800m	150m		15mΔ	28	500m	49m	200m	74 †			07		F030	TO100
62#	L123T2	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	200m	49m	150m	74 †			5C		F030	TO100
63	LM304L	19 ♦	35m	30	40	2.0	800m	20m				10mΔ	20m	5.0mΔ				07		F002	CN10q
64	LM723CH	19	2.0	37	40	3.0	800m	150m		15mΔ	28	500m	49m	200m	74 †	10u†	8.0u†	07		F030	CN10p
65	LM723H	19	2.0	37	40	3.0	800m	150m		15mΔ	28	200m	49m	150m	74 †	10u†	8.0u†	5C		F030	CN10p
66#	MB3752K	19	2.0	37	40	3.0	800m	150m		15mΔ	28	500m	49m	600m	74			07		F160a	CN17c
67#	MB3752M	19	2.0	37	40	3.0	800m	150m		15mΔ	28	500m	49m	600m	74			07		F160	MP250a
68	NE550A	19	2.0	37	40	3.0	800m	3.0m		15mΔ	31	300m	49m	200m	75 †			07		F080	MP153
69#	SFC2723C	19	2.0	37	40	3.0	800m	150m		15m%	28	500mΔ	49m	200m	86 †			07		F030a	TO100
70#	SFC2723M	19	2.0	37	40	3.0	800m	150m		15m%	28	200mΔ	49m	150m	86 †			5C		F030a	TO100

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	SN52723J	19	2.0	37	40	3.0	800m	150m	50m†	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C		MP139
2	SN52723L	19	2.0	37	40	3.0	800m	150m	50m†	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C		TO100
3	SN72723J	19	2.0	37	40	3.0	800m	150m	50m†	15mΔ	28	500m	49m	600m	74 †	5.0u	5.0u	07		MP139
4	SN72723L	19	2.0	37	40	3.0	800m	150m	50m†	15mΔ	28	500m	49m	600m	74 †	5.0u	5.0u	07		TO100
5	SN72723N	19	2.0	37	40	3.0	800m	150m	50m†	15mΔ	28	500m	49m	600m	74 †	5.0u	5.0u	07		MP39h
6#	TBA281%	19	2.0	37	40	3.0	800m	50m		15mΔ§	3.0	100m	49m	200m	74 †			07	F030a	CN10f
7#	TDB0723	19	2.0	37	40	3.0	800m			15nΔ§	28	500m	49	200m	74			07	F184	CN72
8#	TDB0723A	19	2.0	37	40	3.0	800m			15mΔ§	28	500m	49	200m	74			05	F184a	MP39q
9#	TDC0723	19	2.0	37	40	3.0	800m			15mΔ§	28	200m	49	150m	74			5C	F184	CN72
10#	TL1723	19	2.0	37	40	3.0	800m	150m		15m§Δ	28	200m	49m	150m	74 †			5C	F030b	TO100
11#	TL1723C	19	2.0	37	40	3.0	800m	150m		15m§Δ	28	500m	49m	200m	74 †			07	F030b	TO100
12#	TL3723C	19	2.0	37	40	3.0	800m	150m		15m§Δ	28	500m	49m	200m	75 †			07	F030c	MP39f
13	uA723A	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C	F030	MP153
14	uA723CA	19	2.0	37	40	3.0	800m	4.0m		15mΔ	3.0	100m	49m	150m	74 †			07	F079	MP153
15	uA723CL	19	2.0	37	40	3.0	800m	150m	50m	1.0 %	28	5.0	49m	600m	86	5.0u†	5.0u	07		TO100
16	uA723HC	19	2.0	37	40	3.0	800m			15mΔ§	28	500m	49m	200m	74 †			07	F079	TO100
17	uA723HM	19	2.0	37	40	3.0	800m			15mΔ§	28	200m	49m	150m	74 †			5C	F079	TO100
18	uA723L	19	2.0	37	40	3.0	800m	150m	50m	15mΔ	28	200m	49m	600m	74 †	5.0u	5.0u	5C	F030	CN10g
19	AM723HC	19	2.0	37	40	3.0	850m			15m§Δ	3.0	300mΔ	49m	600mΔ	74 †			07	F079	CN10f
20	AM723HM	19	2.0	37	40	3.0	850m			15m§Δ	3.0	300mΔ	49m	600mΔ	74 †			5C	F079	CN10f
21	AM723DC	19	2.0	37	40	3.0	900m			15m§Δ	3.0	300mΔ	49m	600mΔ	74 †			07	F079	MP14ad
22	AM723DM	19	2.0	37	40	3.0	900m			15m§Δ	3.0	300mΔ	49m	600mΔ	74 †			5C	F079	MP14ad
23	LM723CD	19	2.0	37	40	3.0	900m	150m		15mΔ	28	500m	49m	200m	74 †	10u†	8.0u†	07	F030	MP490
24	LM723D	19	2.0	37	40	3.0	900m	150m		15mΔ	28	200m	49m	150m	74 †	10u†	8.0u†	5C	F030	MP490
25	RC723DB	19	2.0	37	40	3.0	900m	150m	50m†	15mΔ	28	500m	49m	200m	74 †	5.0u†	5.0u†	07	F030	MP153f
26	RC723DC	19	2.0	37	40	3.0	900m	150m	50m†	15mΔ	28	500m	49m	200m	74 †	5.0u†	5.0u†	07	F030	MP153g
27	RC723T	19	2.0	37	40	3.0	900m	150m		15mΔ	28	500m	49m	200m	74	5.0u	5.0u	07	F030	TO100
28	RM723DC	19	2.0	37	40	3.0	900m	150m	50m†	15mΔ	28	200m	49m	150m	74 †	5.0u†	5.0u†	5C	F030	MP153g
29	RM723T	19	2.0	37	40	3.0	900m	150m		15mΔ	28	200m	49m	150m	74	5.0u	5.0u	5C	F030	TO100
30#	SFC2723EC	19	2.0	37	40	3.0	900m	150m		15m%	28	500mΔ	49m	200m	86 †			07	F030a	TO116
31#	SFC2723EM	19	2.0	37	40	3.0	900m	150m		15m%	28	200mΔ	49m	150m	86 †			5C	F030a	TO116
32	SG723T	19	2.0	37	40	3.0	900m	150m		15mΔ	18	500m	49m	200m	86 †	10u	6.0u	5C	F030	TO100
33	CA723CE	19	2.0	37	40	3.0	1.0	150m		15mΔ	28	500m	49m	200m	74 †			07	F030	Δ001AB
34	CA723E	19	2.0	37	40	3.0	1.0	150m		15mΔ	28	200m	49m	150m	74 †			5C	F030	Δ001AB
35	LM304J	19 ♦	35m	30	40	2.0	1.0	20m				10mΔ	20m	5.0mΔ				07	F002	MP139b
36	LM304N	19 ♦	35m	30	40	2.0	1.0	20m				10mΔ	20m	5.0mΔ				07	F002	MP598
37#	MB3752C	19	2.0	37	40	3.0	1.0	150m		15mΔ	28	500m	49m	600m	74			07	F160	MP319d
38	MC1723CG	19	2.0	37	40	3.0	1.0	150m		.02 %	28	.50	49m	.60	74 †			07	F030	TO100
39	MC1723G	19	2.0	37	40	3.0	1.0	150m		.02 %	28	.50	49m	.60	74 †			5C	F030	TO100
40	SG723CJ	19	2.0	37	40	3.0	1.0	150m		15mΔ	18	500m	49m	200m	86 †	10u	6.0u	07	F030	TO116
41	SG723J	19	2.0	37	40	3.0	1.0	150m		15mΔ	18	500m	49m	200m	86 †	10u	6.0u	5C	F030	TO116
42	uA723DC	19	2.0	37	40	3.0	1.0			15mΔ§	28	500m	49m	200m	74 †			07	F079	MP486b
43	uA723DM	19	2.0	37	40	3.0	1.0			15mΔ§	28	200m	49m	150m	74 †			5C	F079	MP486b
44	uA723PC	19	2.0	37	40	3.0	1.0	50m			28	500m	49m	200m				07	F079	MP252f
45	MC1723CP	19	2.0	37	40	3.0	1.2	150m		.02 %	28	.50	49m	.60	74 †			07	F030	MP307
46	MC1723CL	19	2.0	37	40	3.0	1.5	150m		.02 %	28	.50	49m	.60	74 †			07	F030	TO116
47	MC1723L	19	2.0	37	40	3.0	1.5	150m		.02 %	28	.50	49m	.60	74 †			5C	F030	TO116
48	HIC106	19	2.0	37	40	2.5	2.7	1.0							74 †			5C	F090a	CN2h
49	HIC107	19 ♦	2.0	37	40	3.0	2.7	1.0							74 †			5C	F090	CN2h
50	MC1561G	19	2.5	37	40	2.7	3.0	250m	80m	2.0m%		15mΔ	19m	1.6mΔ	69		50n	5C	F042	CN10b
51	MC1561R	19	2.5	37	40	2.7	3.0	600m	80m	2.0m%		15mΔ	19m	1.6mΔ	69		50n	5C	F042	CN30
52	MC1569R	19	2.5	37	40	2.7	3.0	600m	80m	2.0m†Δ		15mΔ		1.6mΔ	88 †		50n	5C	F042	CN30
53	LM104L	19 ♦	15m	40	50	2.0	800m	20m				10mΔ	20m	5.0mΔ				5C	F002	CN10q
54	LM204L	19 ♦	15m	40	50	2.0	800m	20m				10mΔ	20m	5.0mΔ				28	F002	CN10q
55	SE550K	19	2.0	37	50	3.0	800m	150m		100m%	30	150mΔ	50m	150mΔ	74			5C	F080	TO100
56	SN52104JA	19 ♦	15m	40	50	2.0	800m	20m			35	100m	20m	5.0mΔ				5C	F002	MP381
57	SN52104L	19 ♦	15m	40	50	2.0	800m	20m			35	100m	20m	5.0mΔ				5C	F002	TO100
58	LM104J	19 ♦	15m	40	50	2.0	1.0	20m				10mΔ	20m	5.0mΔ				5C	F002	MP139b
59	LM204J	19 ♦	15m	40	50	2.0	1.0	20m				10mΔ	20m	5.0mΔ				28	F002	MP139b
60	LM204N	19 ♦	15m	40	50	2.0	1.0	20m				10mΔ	20m	5.0mΔ				28	F002	MP598
61	SG2502N	19	10	28	60	2.0	600m	100m		300m%†	10	100m	50m	100m	75 †			07	F097	MP39a
62	SG1502J	19	10	28	60	2.0	1.0	100m		300m%†	10	100m	50m	100m	75 †			5C	F097	TO116
63	SG2502J	19	10	28	60	2.0	1.0	100m		300m%†	10	100m	50m	100m	75 †			07	F097	TO116
64	uA79M20CLA	20 ♦	4.0 %	4.0 %	3		600m	500m			12	80m§	495m	300mΔ	50			0C	F163b	CN40
65	uA79M20MLA	20 ♦	4.0 %	4.0 %	3		600m	500m			12	80m§	495m	300mΔ	50			5C	F163b	CN40
66	uA79M20CKD	20 ♦	4.0 %	4.0 %	3		1.5	500m			12	80m§	495m	300mΔ	50			0C	F163a	MP596
67	uA79M20CKC	20 ♦	4.0 %	4.0 %	3		2.0	500m			12	80m§	495m	300mΔ	50			0C	F163	Y220b
68	RC4195NB	20 §	0.0	30	30	3.0	600m	150m		15mΔ§	12	20m§	99m	30mΔ	75 †			0C	F139	MP401k
69	RC4195T	20 §	0.0	30	30	3.0	800m	150m		15mΔ§	12	20m§	99m	30mΔ	75 †			0C	F139	TO99
70	RM4195T	20 §	0.0	30	30	3.0	800m	150m		15mΔ§	12	20m§	99m	30mΔ	75 †			5F	F139	TO99
71	RC4195TK	20 §	0.0	30	30	3.0	2.4	150m		15mΔ§	12	20m§	99m	30mΔ	75 †			0C	F139	CN30
72	RM4195TK	20 §	0.0	30	30	3.0	2.4	150m		15mΔ§	12	20m§	99m	30mΔ	75 †			5F	F139	CN30
73	uA78M20CLA	20	4.0 %	4.0 %	35		600m	500m			12	100m§	495m	400mΔ	53			0C	F161b	CN40
74	uA78M20MLA	20	4.0 %	4.0 %	35		600m	500m			12	60m§	495m	200mΔ	53			5C	F161b	CN40
75	uA78M20CKD	20	4.0 %	4.0 %	35		1.5	500m			12	100m§	495m	400mΔ	53			0C	F161a	MP596
76	uA78M20CKC	20	4.0 %	4.0 %	35		2.0	500m			12	100m§	495m	400mΔ	53			0C	F161	Y220b
77	LAS6120	20	1.0 %	1.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137	MP541
78	LAS6220	20	5.0 %	5.0 %	40	2.8		20		7.0mΔ		10mΔ	20	200m	60			5C	F137a	MP541a
79	LAS6320	20	1.0 %	1.0 %	40	2.8		16		7.0mΔ		10mΔ	16	200m	60			5C	F137	MP541
80	LAS6420	20	5.0 %	5.0 %	40	2.8		16		7.0mΔ		10mΔ	16	200m	60			5C	F137a	MP541a
81	MCC1563	20 ♦	3.6	37	40	2.7		600m	20m†				20m	400uΔ				5C	F064	CH6
82	MCC1569	20	2.5	37	40	2.7		600m	20m†									5C	F042	CH7
83	uA78L20AHC	20	4.0 %	4.0 %	40							300m§		200mΔ	54 †			07	F130	TO39
84	uA78L20AWC	20	4.0 %	4.0 %	40							300m§		200mΔ	54 †			07	F130	TO92
85	uA78L20AWV	20	4.0 %	4.0 %	40							300m§		200mΔ	54 †			07	F130	TO92
86	uA78M20HC	20	4.0 %	4.0 %	40		*	500m		1.1m†	12	100m§	495m	400mΔ	53			0E	F112	CN38c
87	uA78M20HM	20	4.0 %	4.0 %	40		*	500m		1.1m†	12	60m§	495m	200mΔ	53			5E	F112	CN38c
88	uA79M20AHC	20 ♦	4.0 %	4.0 %	40		*	500m		1.0m	12	80m§	495m	300mΔ	50			0E	F141	CN38c
89	uA79M20AUC	20 ♦	4.0 %	4.0 %	40		*	500m		1.0m	12	80m§	495m	300mΔ	50			0E	F141	MP582
90	uA79M20HM	20 ♦	4.0 %	4.0 %	40		*	500m		1.0m	12	80m§	495m	300mΔ	50			5E	F141	CN38c
91	LAS723	20	2.0	38	40	2.0	800m	150m			35	20mΔ	100m	150m	60			5E	F170	CN17n
92	LAS1000	20	2.0	38	40	2.0	800m	150m			35	20mΔ	100m	150m	60			5E	F170a	CN17n
93	MC78M20CG	20	4.0 %	4.0 %	40	2.0	800m	500m		1.1m†	12	100m§	495m	400mΔ	70 †			0C	F174	TO39
94	SG3532T	20	2.0	38	40	2.0	800m	150m		5.0mΔ†	33	20mΔ	99m	150m	60			07	F179a	TO96
95#	78M20CDB	20	4.0 %	4.0 %	40	2.0	850m	500m		1.1m†	12	300m§	495m	400mΔ	53			0E	F176	TO39
96#	78M20DB	20	4.0 %	4.0 %	40	2.0	850m	500m		1.1m†	12	60m§	495m	200mΔ	53			5E	F176	TO39
97	SG3532J	20	2.0	38	40	2.0	1.0	150m		5.0mΔ†	33	20mΔ	99m	150m	60			07	F179	TO116
98#	78M20CU	20	4.0 %	4.0 %	40	2.0	2.0	500m		1.1m†	12	300m§	495m	400mΔ	53			0E	F176a	Y220b
99	MC78M20CT	20	4.0 %	4.0 %	40	2.0	2.0	500m		1.1m†	12	100m§	495m	400mΔ	70 †			0C	F174a	Y220b
100	MC1563G	20 ♦	3.6	37	40	1.5	2.4	200m	20m	2.0m†Δ		15mΔ	19m	1.6mΔ	94 †			5C	F064	CN10b
101	MC1563R	20 ♦	3.6	37	40	1.5	2.4	500m	20m	2.0m†Δ		15mΔ	19m	1.6mΔ	94 †			5C	F064	CN30
102#	S1005	20 ♦	10	30	40	2.2	2.5	250m	20m	30mΔ		5.0mΔ			63			28	F086	MP232
103#	S1006	20 ♦	10	30	40	2.2	2.5	250m	20m	30mΔ		5.0mΔ			63			28	F086	MP232
104#	S1011	20 ♦	11	30	40	3.1	3.0	500m	20m	30mΔ		4.5mΔ			63			28	F086	MP233
105#	S1012	20 ♦	11	30	40	3.1	3.0	500m	20m	30mΔ		4.5mΔ			63			28	F086	MP233
106♦	uA78C20U1C	20	4.0 %	4.0 %	40	5.0	7.5 *	500m			10	50m§	455m	200mΔ	54 †			0C	F185	MP732
107	LAS2120	20	1.0 %	1.0 %	40	4.6	9.0	4.0		7.0mΔ		10mΔ	4.0	200m	54			5C	F137	MP539
108	LAS2220	20	5.0 %	5.0 %	40	4.6	9.0	4.0		7.0mΔ		10mΔ	4.0	200m	54			5C	F137a	MP539a
109	LAS2620	20 ♦	1.0 %	1.0 %	40	5.2	9.0	4.0		7.0mΔ		10mΔ	4.0	200m	54			5C	F138	MP539
110	LAS2720	20 ♦	5.0 %	5.0 %	40	5.2	9.0	4.0		7.0mΔ		10mΔ	4.0	200m	54			5C	F138a	MP539a

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	4 TYPE No.	1 NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	ADJUSTABLE OUTPUT VOLT. RANGE HIGH (V)	2 MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	3 MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1#	S1017	20 ♦	11	30	40	3.0	10	2.0	5.0m	30mΔ		4.5mΔ			63			28	F086	MP234
2#	S1018	20 ♦	11	30	40	3.0	10	2.0	5.0m	30mΔ		4.5mΔ			63			28	F086	MP234
3	LAS4120	20	1.0 %	1.0 %	40	2.8	11	12		7.0mΔ		10mΔ	12	200m	60			5C	F137	MP540
4	LAS4220	20	5.0 %	5.0 %	40	2.8	11	12		7.0mΔ		10mΔ	12	200m	60			5C	F137a	MP540a
5	LAS4320	20	1.0 %	1.0 %	40	2.8	11	8.0		7.0mΔ		10mΔ	8.0	200m	60			5C	F137	MP540
6	LAS4420	20	5.0 %	5.0 %	40	2.8	11	8.0		7.0mΔ		10mΔ	8.0	200m	60			5C	F137a	MP540a
7	LAS4620	20 ♦	1.0 %	1.0 %	40	2.8	11	12		7.0mΔ		10mΔ	12	200m	60			5C	F138	MP540
8	LAS4720	20 ♦	5.0 %	5.0 %	40	2.8	11	12		7.0mΔ		10mΔ	12	200m	60			5C	F138a	MP540a
9	LAS4820	20 ♦	1.0 %	1.0 %	40	2.8	11	8.0		7.0mΔ		10mΔ	8.0	200m	60			5C	F138	MP540
10	LAS4920	20 ♦	5.0 %	5.0 %	40	2.8	11	8.0		7.0mΔ		10mΔ	8.0	200m	60			5C	F138a	MP540a
11	LAS1520	20	5.0 %	5.0 %	40	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
12	LAS1820	20 ♦	5.0 %	5.0 %	40	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
13#	S1025	20 ♦	11	30	40	3.0	25	5.0	5.0m	30mΔ		4.5mΔ			63			2B	F086	MP235
14#	S1026	20 ♦	11	30	40	3.0	25	5.0	5.0m	30mΔ		4.5mΔ			63			2B	F086	MP235
15	MIVR42050-208	20			44		120	8.0		50mΔ	40	100m	8.0	200m	60			$F		TO3
16	MIVR42051-204	20 ♦			44		120	4.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
17	uA104HM	20 ♦	15m	40	50	2.0		20m		1.0 %	5.0	100m	20m	5.0mΔ	79 †			5C	F002	TO100
18	LM104F883	20	15m	40	50	2.0	500m§	25m		1.0m%	100m	100m	20m	100m	60	3.0u	3.0u	5C	F002	FP2
19	LM104F	20 ♦	15m	40	50	2.0	500m				5.0	100m	20m	5.0mΔ	60			5C	F002	FP37
20	LM104H883	20	15m	40	50	2.0	500m§	25m		1.0m%	100m	100m	20m	100m	60	3.0u	3.0u	5C	F002	CN17c
21	LM104H	20 ♦	15m	40	50	2.0	500m				5.0	100m	20m	5.0mΔ	60			5C	F002	CN10n
22	LM204H	20 ♦	15m	40	50	2.0	500m				5.0	100m♦	20m	5.0mΔ	60			28	F002	CN10n
23	RM104BL	20 ♦	15m	40	50	500m	500m				5.0	100m	20m	5.0mΔ	74 †			5C	F128	CH25
24#	SFC2104M	20 ♦	15m	40	50	2.0	500m§			1.0m%	5.0	100m♦	20m	5.0mΔ	60	3.0u†	3.0u†	5C	F002	TO100
25#	SFC2204	20 ♦	15m	40	50	2.0	500m§			1.0m%	5.0	100m♦	20m	5.0mΔ	60			28	F002	TO100
26	SG104F	20	15m	40	50	2.0	500m			1.0 %	4.0	100m	20m	5.0m	60	5.0u†	5.0u†	5C	F002	
27	SG104T	20 ♦	15m	40	50	2.0	500m	25m		1.0 %	4.0	100m	20m	5.0mΔ	60	5.0u†	5.0u†	5C	F002	TO100
28	SG204T	20 ♦	15m	40	50	2.0	500m	25m		1.0 %	5.0	100m	20m	5.0mΔ	60	5.0u†	5.0u†	28	F002	TO100
29	MLM104G	20 ♦	15m	40	50	2.0	680m				5.0	100m	20m	5.0mΔ	60			5C	F002	TO100
30	MLM105G	20	4.5	40	50	3.0	680m					60mΔ			47			5C	F003	TO99
31	MLM204G	20 ♦	15m	40	50	2.0	680m				5.0	100m	20m	5.0mΔ	60			28	F002	TO100
32	MLM205G	20	4.5	40	50	3.0	680m					60mΔ			47			28	F003	TO99
33	uA376TC	21	5.0	37	40	3.0		25m				100mΔ	25m	500m				07	F134	MP487
34	LM376N	21	5.0	37	40	3.0	400m	25m				30mΔ	25m	500m				07	F070	MP491
35	XR4194M	21 §	50m	42	45	3.0	900m	150m	105k	15mΔ	4.2	100m		2.0	70 †			5F	F171a	MP☐
36▼	SG4194MJ	21 §	100m	42	45	3.0	1.0	100m		15mΔ		100m	99m	2.0 *	70 †			5F	F171a	TO116
37▼	SG4194MR	21 §	100m	42	45	3.0	3.0	200m		15mΔ		100m	199m	2.0 *	70 †			5F	F171	CN30
38	XR4194MK	21 §	50m	42	45	3.0	3.0	250m	105k	15mΔ	4.2	100m		2.0	70 †			5F	F171	CN☐
39	SE550L	21	2.0	40	50	3.0	800m	150m	50m	12mΔ	28	100m	50m	100m	75 †	1.0u†	2.0u†	5C	F080	CN10g
40	LM105F883	22	4.5	40	30	3.0	500m§	25m		1.0m%	1.0	60mΔ	25m	100m	80	1.0u	1.0u	5F	F003	FP2
41	LM105H883	22	4.5	40	30	3.0	500m§	25m		1.0m%	1.0	60mΔ	25m	100m	80	1.0u	1.0u	5F	F003	CN1a
42	uA7822CKC	22	4.1 %	4.1 %	40	25 *	2.0	1.5	28m†	1.3m†	11	440m§	1.5	440mΔ	51			0C	F165a	Y220b
43	uA7822CKA	22	4.1 %	4.1 %	40	25 *	3.5	1.5	28m†	1.3m†	11	440m§	1.5	440mΔ	51			0C	F165	TO3
44	uA7822MKA	22	4.1 %	4.1 %	40	25 *	3.5	1.5	28m†	1.3m†	11	220m§	1.5	220mΔ	57			5E	F165	TO3
45▼	uA78C22U1C	22	4.0 %	4.0 %	40	5.0	7.5 *	500m			10	50m§	455m	220mΔ	54 †			0C	F185	MP732
46	MIVR42050-224	22			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
47	MIVR42051-223	22 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
48	uA105HM	22	4.5	40	50			12m		1.0 %		30mΔ	12m	100m				5C	F134	CN1d
49	uA305AHC	22	4.5	40	50			45m		1.0 %		60mΔ	45m	400m				07	F134	CN1d
50	AMLM105	22	4.5	40	50	3.0	500m			1.0 %		60mΔ	12m	50m				5C	F003	TO99
51	AMLM105F	22	4.5	40	50	3.0	500m			1.0 %		60mΔ	12m	50m				5C	F003	FP18
52	AMLM205	22	4.5	40	50	3.0	500m			1.0 %		60mΔ	12m	50m				28	F003	TO99
53	AMLM205F	22	4.5	40	50	3.0	500m			1.0 %		60mΔ	12m	50m				28	F003	FP18
54#	SFC2105M	22	4.5	40	50	3.0	500m§			1.0m%		60mΔ	12m	50m	80	1.0u†	1.0u†	5C	F003	TO99
55#	SFC2205	22	4.5	40	50	3.0	500m§			1.0m%		60mΔ	12m	50m	80			28	F003	TO99
56	SG205N	22	4.5	40	50	3.0	600m	20m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	07	F003	MP39a
57	SG105T	22	4.5	40	50	3.0	680m	20m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	5C	F003	TO99
58	SG205T	22	4.5	40	50	3.0	680m	20m		1.0 %§		60mΔ		100m	40	3.0u	3.0u	5C	F003	TO99
59	RM105BL	22 ♦	4.5	40	50	3.0	700m					60m	12m	50m	90 †			5E	F129	CH26
60	LM105F	22	4.5	40	50	3.0	800m			1.0 %		60mΔ	12m	100m				5C	F134	FP37
61	LM105H03	22	4.5	40	50	3.0	800m			1.0 %§		60mΔ	12m	100m				5C	F134	TO99
62	LM105H	22	4.5	40	50	3.0	800m			1.0 %		60mΔ	12m	100m				5C	F134	CN1d
63	LM205F	22	4.5	40	50	3.0	800m	12m		1.0 %		60m♦	12m	50m				28	F134	FP37
64	LM205H	22	4.5	40	50	3.0	800m	12m		1.0 %		60m♦	12m	50m				28	F134	CN1d
65	LM305AH	22	4.5	40	50	3.0	800m			1.0 %		60mΔ	45m	200m	54 †			07	F134	CN1d
66	SG305AM	22	4.5	40	50	3.0	800m	45m		300m%		60mΔ	45m	2.0				07	F155	MP189a
67	SG305AN	22	4.5	40	50	3.0	800m	45m		300m%		60mΔ	45m	2.0				07	F155	MP39a
68	NC530	23	8.0	38	40	2.0	500m	250m	500m	10mΔ		100mΔ	100m	250m	40 †			5C		CN17a
69#	STK507	24 §	23	24				900m	100m†	1.0m†§								28	F120	MP423
70	MC7824CK	24	4.1 %	4.1 %	35	2.0	2.5	1.5	150m†	1.0m†	11	480m§	1.5	480mΔ	56 †			0C	F174b	CN48
71	MC7924CK	24 ♦	4.1 %	4.1 %	35	2.0	2.5	1.5		1.0m†	11	480m§	1.5	480mΔ	56 †			0C	F116	CN48
72♦	SG140-24K	24	4.2 %	4.2 %	38	27 *	*	1.5		1.5m†		240m§		240mΔ				5F	F091	TO3
73▼	SG140-24R	24	4.2 %	4.2 %	38	27 *	*	1.5		1.5m†	11	240m§	1.4	240mΔ	66 †			5F	F091	TO66
74♦	SG140-24T	24	4.2 %	4.2 %	38	27 *	*	500m		1.5m†		240m§		120mΔ				5F	F091	TO39
75♦	SG340-24K	24	4.2 %	4.2 %	38	27 *	*	1.5		1.5m†		480m§		480mΔ				0C	F091	TO3
76▼	SG340-24P	24	4.2 %	4.2 %	38	27 *	*	1.5		1.5m†	11	480m§	1.4	480mΔ	66 †			0C	F091	Y220b
77▼	SG340-24R	24	4.2 %	4.2 %	38	27 *	*	1.5		1.5m†	11	480m§	1.4	480mΔ	66 †			0C	F091	TO66
78♦	SG340-24T	24	4.2 %	4.2 %	38	27 *	*	500m		1.5m†		480m§		240mΔ				0C	F091	TO39
79	SG7824ACK	24	1.7 %	1.7 %	38	27 *	*	1.5		1.5m	11	240m§	1.5	240mΔ	66 †			0C	F180b	TO3
80▼	SG7824ACP	24	1.7 %	1.7 %	38	27 *	*	1.5		1.5m	11	240m§	1.5	240mΔ	66 †			0C	F180c	Y220b
81	SG7824ACR	24	1.7 %	1.7 %	38	27 *	*	1.5		1.5m	11	240m§	1.5	240mΔ	66 †			0C	F180	TO66
82♦	SG7824ACT	24	1.7 %	1.7 %	38	27 *	*	500m		1.5m	11	240m§	495m	120mΔ	66 †			0C	F180a	TO39
83	SG7824AK	24	1.7 %	1.7 %	38	27 *	*	1.5		1.5m	11	120m§	1.5	160mΔ	66 †			5E	F180b	TO3
84	SG7824AR	24	1.7 %	1.7 %	38	27 *	*	1.5		1.5m	11	120m§	1.5	160mΔ	66 †			5E	F180	TO66
85♦	SG7824AT	24	1.7 %	1.7 %	38	27 *	*	500m		1.5m	11	120m§	495m	80mΔ	66 †			5E	F180a	TO39
86♦	SG7824CK	24	4.2 %	4.2 %	38	27 *	*	1.5	150m†	1.5m†	11	480m§	1.0	480mΔ	66 †			0C	F091	TO3
87▼	SG7824CP	24	4.2 %	4.2 %	38	27 *	*	1.5		1.5m†	11	480m§	1.4	480mΔ	66 †			0C	F091	Y220b
88▼	SG7824CR	24	4.2 %	4.2 %	38	27 *	*	1.5		1.5m†	11	480m§	1.4	480mΔ	66 †			0C	F091	TO66
89♦	SG7824CT	24	4.2 %	4.2 %	38	27 *	*	500m	150m†	1.5m†	11	480m§	1.0	240mΔ	66 †			0C	F091	TO39
90♦	SG7824K	24	4.2 %	4.2 %	38	27 *	*	1.5	150m†	1.5m†	11	240m§	1.0	240mΔ	66 †			5E	F091	TO3
91▼	SG7824R	24	4.2 %	4.2 %	38	27 *	*	1.5		1.5m†	11	240m§	1.4	240mΔ	66 †			0F	F091	TO66
92♦	SG7824T	24	4.2 %	4.2 %	38	27 *	*	500m	150m†	1.5m†	11	240m§	1.0	120mΔ	66 †			5E	F091	TO39
93	uA78M24CLA	24	4.1 %	4.1 %	38		600m	500m			11	100m§	495m	480mΔ	50			0C	F161b	CN40
94	uA78M24MLA	24	4.1 %	4.1 %	38		600m	500m			11	60m§	495m	240mΔ	50			5C	F161b	CN40
95	uA79M24CLA	24 ♦	4.1 %	4.1 %	38		600m	500m			11	80m§	495m	300mΔ	50			0C	F163b	CN40
96	uA79M24MLA	24 ♦	4.1 %	4.1 %	38		600m	500m			11	80m§	495m	300mΔ	50			5C	F163b	CN40
97▼	JANM38510/10705AXA	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40
98▼	JANM38510/10705AXB	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40
99▼	JANM38510/10705AXC	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40
100▼	JANM38510/10705BXA	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40
101▼	JANM38510/10705BXB	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40
102▼	JANM38510/10705BXC	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40
103▼	JANM38510/10705CXA	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	@LOAD CHG. (s)	TC MODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1▼	JANM38510/10705CXB	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40
2▼	JANM38510/10705CXC	24	5.0 %	5.0 %	38	28 *	890m*	500m		6.0m	10	240m§	495m	480mΔ	50			5C	F186	CN40
3	uA78M24CKD	24	4.1 %	4.1 %	38		1.5	500m			11	100m§	495m	480mΔ	50			0C	F161a	MP596
4	uA79M24CKD	24 ♦	4.1 %	4.1 %	38		1.5	500m			11	80m§	495m	300mΔ	50			0C	F163a	MP596
5	uA78M24CKC	24	4.1 %	4.1 %	38		2.0	500m			11	100m§	495m	480mΔ	50			0C	F161	Y220b
6	uA79M24CKC	24 ♦	4.1 %	4.1 %	38		2.0	500m			11	80m§	495m	300mΔ	50			0C	F163	Y220b
7	uA7824CKC	24	4.1 %	4.1 %	38		2.0	1.5	28m†	1.5m†	11	480m§	1.4	480mΔ	50			0C	F165a	Y220b
8	uA7924CKC	24 ♦	4.1 %	4.1 %	38		2.0	1.5		1.0m†	11	480m§	1.4	480mΔ	54			0C	F162a	Y220b
9	uA7824CKA	24	4.1 %	4.1 %	38		3.5	1.5	28m†	1.5m†	11	480m§	1.4	480mΔ	50			0C	F165	TO3
10	uA7824MKA	24	4.1 %	4.1 %	38		3.5	1.5	28m†	1.5m†	11	240m§	1.4	240mΔ	56			5C	F165	TO3
11	uA7924CKA	24 ♦	4.1 %	4.1 %	38		3.5	1.5		1.0m†	11	480m§	1.4	480mΔ	54			0C	F162	TO3
12	uA7924MKA	24 ♦	4.1 %	4.1 %	38		3.5	1.5		1.0m†	11	240m§	1.4	240mΔ	54			5C	F162	TO3
13▼	JANM38510/10709AYA	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
14▼	JANM38510/10709AYB	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
15▼	JANM38510/10709AYC	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
16▼	JANM38510/10709BYA	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
17▼	JANM38510/10709BYB	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
18▼	JANM38510/10709BYC	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
19▼	JANM38510/10709CYA	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
20▼	JANM38510/10709CYB	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
21▼	JANM38510/10709CYC	24	5.0 %	5.0 %	38	28 *	3.6 *	1.0		6.0m	10	240m§	995m	480mΔ	50			5C	F186b	TO3
22	DE24D100	24			40			100m			1.0	10m	100m	10m				27		MP275a
23	LAS6124	24	1.0 %	1.0 %	40	2.8		15		7.0mΔ		10mΔ	15	200m	60			5C	F137	MP541
24	LAS6224	24	5.0 %	5.0 %	40	2.8		15		7.0mΔ		10mΔ	15	200m	60			5C	F137a	MP541a
25	LAS6324	24	1.0 %	1.0 %	40	2.8		12		7.0mΔ		10mΔ	12	200m	60			5C	F137	MP541
26	LAS6424	24	5.0 %	5.0 %	40	2.8		12		7.0mΔ		10mΔ	12	200m	60			5C	F137a	MP541a
27	LM78L24ACH	24	5.0 %	5.0 %	40		*	100m			11	350m§	99m	200mΔ	31			07	F148	CN38d
28	LM78L24ACZ	24	5.0 %	5.0 %	40		*	100m			11	350m§	99m	200mΔ	31			07	F148	MP573
29	LM78L24CH	24	10 %	10 %	40		*	100m			10	350m§	99m	200mΔ	30			07	F148	CN38d
30	LM78L24CZ	24	10 %	10 %	40		*	100m			10	350m§	99m	200mΔ	30			07	F148	MP573
31	LM342P24	24	4.1 %	4.1 %	40		*	200m			10	480m§	199m	480mΔ	27			07	F151	MP577
32#	SFC2824EC	24	4.2 %	4.2 %	40	2.0					11	480m§	1.0	480mΔ	56 †			07		Y220b
33#	SFC2824RC	24	4.2 %	4.2 %	40	2.0					11	480m§	1.0	480mΔ	56 †			07		TO3
34#	STK523	24	1.2 %	1.2 %	40			500m	15m†	2.0m†	8.0	6.4m§						38	f121a	MP417
35#	STK533	24	1.2 %	1.2 %	40			1.0	30m†	2.0m†	7.0	12m§						38	F121a	MP417
36#	TDB7824	24	4.1 %	4.1 %	40			2.1	28m†	1.5m†§	11	480m§	1.4	480mΔ	50			08	F183	TO3
37#	TDB7824T	24	4.1 %	4.1 %	40			2.1	28m†	1.5m†§	11	480m§	1.4	480mΔ	50			08	F183	Y220a
38#	TDC7824	24	4.1 %	4.1 %	40			2.1	28m†	1.5m†§	11	240m§	1.4	240mΔ	56			5C	F183	TO3
39	uA78L24AHC	24	4.0 %	4.0 %	40							300m§		240mΔ	54 †			07	F130	TO39
40	uA78L24AWC	24	4.0 %	4.0 %	40							300m§		240mΔ	54 †			07	F130	TO92
41	uA78L24AWV	24	4.0 %	4.0 %	40							300m§		240mΔ	54 †			07	F130	TO92
42	uA78M24HC	24	4.1 %	4.1 %	40		*	500m		1.2m†	11	100m§	495m	480mΔ	50			0E	F112	CN38c
43	uA78M24HM	24	4.1 %	4.1 %	40		*	500m		1.2m†	11	60m§	495m	240mΔ	50			5E	F112	CN38c
44	uA78M24UC	24	4.1 %	4.1 %	40		*	500m		1.2m†	11	100m§	495m	480mΔ	50			0E	F112	MP582
45	uA79M24AHC	24 ♦	4.1 %	4.1 %	40		*	500m		1.0m	11	80m§	495m	300mΔ	50			0E	F141	CN38c
46	uA79M24AUC	24 ♦	4.1 %	4.1 %	40		*	500m		1.0m	11	80m§	495m	300mΔ	50			0E	F141	MP582
47	uA79M24HM	24 ♦	4.1 %	4.1 %	40		*	500m		1.0m	11	80m§	495m	300mΔ	50			5E	F141	CN38c
48	uA7824KC	24	4.1 %	4.1 %	40			2.1	28m†	1.5m†§	11	480m§	1.4	480mΔ	50			0C	F091	TO3
49	uA7824KM	24	4.1 %	4.1 %	40			2.1	28m†	1.5m†§	11	240m§	1.4	240mΔ	56			5F	F091	TO3
50	uA7824UC	24	4.1 %	4.1 %	40			2.1	28m†	1.5m†§	11	480m§	1.4	480mΔ	50			0C	F091	MP582
51	uA7924KC	24 ♦	4.1 %	4.1 %	40		*	1.5		1.0m†	11	480m§	1.4	480mΔ				0E	F162	TO3
52	uA7924KM	24 ♦	4.1 %	4.1 %	40		*	1.5		1.0m†	11	240m§	1.4	240mΔ				5E	F162	TO3
53	uA7924UC	24 ♦	4.1 %	4.1 %	40		*	1.5		1.0m†	11	480m§	1.4	480mΔ				0E	F162a	MP582
54	LM140LAH24	24	2.1 %	2.1 %	40	2.5	108m*	100m	200m†	2.0 %†	11	100m§	99m	160mΔ	41			5C	F148	CN40
55	LM240LAH24	24	2.1 %	2.1 %	40	2.5	108m*	100m	200m†	2.0 %†	11	100m§	99m	80mΔ	41			28	F148	CN40
56	LM240LAZ24	24	2.1 %	2.1 %	40	2.5	108m*	100m	200m†	2.0 %†	11	100m§	99m	80mΔ	41			28	F148	MP573
57	LM340LAH24	24	2.1 %	2.1 %	40	2.5	108m*	100m	200m†	2.0 %†	11	100m§	99m	160mΔ	41			07	F148	CN40
58	LM340LAZ24	24	2.1 %	2.1 %	40	2.5	108m*	100m	200m†	2.0 %†	11	100m§	99m	160mΔ	41			07	F148	MP573
59	LM340KC24	24	4.1 %	4.1 %	40	3.0	240m*	2.5	800m†	2.0 %†	11	480m§	995m	480mΔ	44 †			07	F110	TO3
60	NC512	24			40		500m	200m	2.0 †	5.0m	2.0	1.0	100m	250m	24			5C	F021	CN10a
61	NC514	24 ♦			40		500m	200m	2.0 †	5.0m	2.0	1.0	100m	250m	24			5C	F022	CN10a
62	PC502	24			40		500m	200m	500m	5.0m	2.0	1.0	100m	250m	24			5C	F027a	FP10
63	PC504	24 ♦			40		500m	200m	500m	5.0m	2.0	1.0	100m	250m	24			5C	F027	FP10
64	PC512	24			40		500m	200m	2.0 †	5.0m	2.0	1.0	100m	250m	24			5C	F021	FP7
65	PC514	24 ♦			40		500m	200m	2.0 †	5.0m	2.0	1.0	100m	250m	24			5C	F022	FP7
66	MC78L24ACP	24	5.0 %	5.0 %	40	1.7	700m	100m			11	350m§	99m	200mΔ				0C	F144a	TO92
67	MC78L24CP	24	10 %	10 %	40	1.7	700m	100m			11	350m§	99m	200mΔ				0C	F144a	TO92
68	MC79L24CP	24 ♦	10 %	10 %	40	1.7	700m	100m			10	350m§	99m	200mΔ				0C	F145a	TO92
69	MC79L24ACP	24 ♦	5.0 %	5.0 %	40	1.7	799m	100m			11	350m§	99m	200mΔ				0C	F145a	TO92
70	MC78M24CG	24	4.1 %	4.1 %	40	2.0	800m	500m		1.2m†	11	100m§	495m	480mΔ	70 †			0C	F174	TO39
71#	78M24CDB	24	4.1 %	4.1 %	40	2.0	850m	500m		1.2m†	11	100m§	495m	480mΔ	50			0E	F176	TO39
72#	78M24DB	24	4.1 %	4.1 %	40	2.0	850m	500m		1.2m†	11	60m§	495m	240mΔ	50			5E	F176	TO39
73	MC78L24ACG	24	5.0 %	5.0 %	40	1.7	850m	100m			11	350m§	99m	200mΔ				0C	F144	TO39
74	MC78L24CG	24	10 %	10 %	40	1.7	850m	100m			11	350m§	99m	200mΔ				0C	F144	TO39
75	MC79L24ACG	24 ♦	5.0 %	5.0 %	40	1.7	850m	100m			11	350m§	99m	200mΔ				0C	F145	TO39
76	MC79L24CG	24 ♦	10 %	10 %	40	1.7	850m	100m			10	350m§	99m	200mΔ				0C	F145	TO39
77#	78M24CU	24	4.1 %	4.1 %	40	2.0	2.0	500m		1.2m†	11	100m§	495m	480mΔ	50			0E	F176a	Y220b
78#	7824CU	24	4.1 %	4.1 %	40	2.0	2.0	1.0		1.5m†	11	480m§	500m	240mΔ	56			0C	F176a	Y220b
79	LM120H24	24 ♦	2.0 %	2.0 %	40	3.0	2.0 *	200m			17	20m§	195m	25mΔ	54			5F	F152a	CN40
80	LM220H24	24 ♦	2.0 %	2.0 %	40		2.0 *	200m			17	20m§	195m	25mΔ	54			2F	F152a	CN40
81	LM320H24	24 ♦	3.3 %	3.3 %	40	3.0	2.0 *	200m			13	36m§	195m	40mΔ	54			0C	F152a	CN40
82	MC78M24CT	24	4.1 %	4.1 %	40	2.0	2.0	500m		1.2m†	11	100m§	495m	480mΔ	70 †			0C	F174a	Y220b
83	MC7924CT	24 ♦	4.1 %	4.1 %	40	2.0	2.0	1.5		1.0m†	11	480m§	1.5	480mΔ	56 †			0C	F116a	Y220b
84	MC7824CT	24	4.1 %	4.1 %	40	2.0	2.5	1.5		1.0m†	11	480m§	1.5	480mΔ	56 †			0C	F174a	Y220b
85	RE24D100	24			40	1.0	3.0	100m	100m	4.8m	1.0	10m	100m	10m	80 †			27		MP275
86#	7824CDA	24	4.1 %	4.1 %	40	2.0	3.5	1.0		1.5m†	11	480m§	500m	240mΔ	56			0C	F176b	TO3
87#	7824DA	24	4.1 %	4.1 %	40	2.0	3.5	1.0		1.5m†	11	240m§	500m	120mΔ	56			5E	F176b	TO3
88	LM320MP24	24 ♦	4.1 %	4.1 %	40	3.0	7.5 *	500m			13	50m§	495m	100mΔ	70 †			0C	F152a	Y202a
89	LM341P24	24	4.1 %	4.1 %	40		7.5 *	500m			11	480m§	495m	480mΔ	44 †			07	F150	MP577
90♦	uA78C24U1C	24	4.1 %	4.1 %	40	5.0	7.5 *	500m			10	50m§	455m	240mΔ	54 †			0C	F185	MP732
91	LAS2124	24	1.0 %	1.0 %	40	4.6	9.0	3.0		7.0mΔ		10mΔ	3.0	200m	54			5C	F137	MP539
92	LAS2224	24	5.0 %	5.0 %	40	4.6	9.0	3.0		7.0mΔ		10mΔ	3.0	200m	54			5C	F137a	MP539a
93	LAS2624	24 ♦	1.0 %	1.0 %	40	5.2	9.0	3.0		7.0mΔ		10mΔ	3.0	200m	54			5C	F138	MP539
94	LAS2724	24 ♦	5.0 %	5.0 %	40	5.2	9.0	3.0		7.0mΔ		10mΔ	3.0	200m	54			5C	F138a	MP539a
95	LAS4124	24	1.0 %	1.0 %	40	2.8	11	9.0		7.0mΔ		10mΔ	9.0	200m	60			5C	F137	MP540
96	LAS4224	24	5.0 %	5.0 %	40	2.8	11	9.0		7.0mΔ		10mΔ	9.0	200m	60			5C	F137a	MP540a
97	LAS4324	24	1.0 %	1.0 %	40	2.8	11	6.0		7.0mΔ		10mΔ	6.0	200m	60			5C	F137	MP540
98	LAS4424	24	5.0 %	5.0 %	40	2.8	11	6.0		7.0mΔ		10mΔ	6.0	200m	60			5C	F137a	MP540a
99	LAS4624	24 ♦	1.0 %	1.0 %	40	2.8	11	9.0		7.0mΔ		10mΔ	9.0	200m	60			5C	F138	MP540

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

8. VOLTAGE REGULATORS

IN ORDER OF (1)NOM V OUT (2)MAX INPUT LINE V (3)MAX POWER DISSIPATION (4)TYPE No.

LINE No.	[4] TYPE No.	[1] NOM. VOLT OUT (V)	ADJUSTABLE OUTPUT VOLT. RANGE LOW (V)	HIGH (V)	[2] MAX INPUT LINE VOLT (V)	MIN OUT/IN DIFF. (ΔV)	[3] MAX POWER DISS. @25°C (W)	MAX. LOAD CUR. (A)	MAX. OUT-PUT IMP. (Ω)	MAX. OUTPUT DRIFT @ 25°C (V/°C)	MAX LINE REG LINE VOLT CHG. (ΔV)	MAX LINE REG OUTPUT VOLT. CHG. (%)	MAX LOAD REG LOAD CUR. CHG. (ΔA)	MAX LOAD REG OUT VOLT. CHG. (%)	MIN RIPPL REJ. (dB)	MAX TRANSIENT RECOVERY @LINE CHG. (s)	MAX TRANSIENT RECOVERY @LOAD CHG. (s)	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO
1	LAS4724	24 ♦	5.0 %	5.0 %	40	2.8	11	9.0		7.0mΔ		10mΔ	9.0	200m	60			5C	F138a	MP540a
2	LAS4824	24 ♦	1.0 %	1.0 %	40	2.8	11	6.0		7.0mΔ		10mΔ	6.0	200m	60			5C	F138	MP540
3	LAS4924	24 ♦	5.0 %	5.0 %	40	2.8	11	6.0		7.0mΔ		10mΔ	6.0	200m	60			5C	F138a	MP540a
4	LAS1524	24	5.0 %	5.0 %	40	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
5	LAS1824	24 ♦	5.0 %	5.0 %	40	2.1	15	1.5			15	2.0	1.4	600m	59			5E	F169	CN48b
6	LM320T24	24 ♦	4.1 %	4.1 %	40		15	1.0			8.0	50m§	995m	120mΔ				OC	F152a	MP575
7▼	LM340-24DA	24	4.2 %	4.2 %	40	27 *	15 *	1.5			11	480m§	1.4	480mΔ	44 †			O7	F110	TO3
8▼	LM340-24U	24	4.2 %	4.2 %	40	27 *	15 *	1.5			11	480m§	1.4	480mΔ	44 †			O7	F110	Y220b
9	LM340K24	24	4.1 %	4.1 %	40		15 *	1.0			11	480m§	995m	480mΔ	44 †			O7	F110	CN48a
10	LM340T24	24	4.1 %	4.1 %	40		15 *	1.0			11	480m§	995m	480mΔ	44 †			O7	F110	MP575
11	uA7824CDA	24	4.1 %	4.1 %	40	28 *	15 *	1.0	28 †	1.5m	18	240mΔ	1.5	240mΔ	56			O8	F112	TO3
12	uA7824CU	24	4.1 %	4.1 %	40	28 *	15 *	1.0	28 †	1.5m	18	240mΔ	1.5	240mΔ	56			O8	F112	Y220b
13	uA7824DA	24	4.1 %	4.1 %	40	28 *	15 *	1.0	28 †	1.5m	18	120mΔ	1.5	120mΔ	56			5C	F112	TO3
14	LM120K24	24 ♦	2.0 %	2.0 %	40	3.0	20 *	1.0			13	20m§	995m	80mΔ	54			5F	F152a	TO3
15	LM220K24	24 ♦	2.0 %	2.0 %	40	3.0	20 *	1.0			13	20m§	995m	80mΔ	54			2F	F152a	TO3
16	LM320K24	24 ♦	3.3 %	3.3 %	40	3.0	20 *	1.0			13	36m§	995m	80mΔ	54			OC	F152a	TO3
17#	SI3240G	24			40	4.0	50	1.5	85m	5.0m	10	1.1	1.5	830m	52			28	F115	MP375
18	LAS3224	24	22	25	40	2.5	140	10				10mΔ	10	200m	60			5E	F137b	MP539
19	LAS5224	24	22	25	40	2.5	270	20				14mΔ	20	200m	60			5E	F137b	MP540
20	LAS7224	24	22	25	40	2.5	400	30				16mΔ	30	200m	60			5E	F137b	MP541
21	MIVR42050-244	24			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
22	MIVR42051-243	24 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
23	CA3085B	24	1.6	47	50	3.5	630m		300m	3.5m†Δ		80mΔ	99m	600mΔ	45	800n	3.0u	5C	F088	Δ002AL
24	CA3085BS	24	1.6	47	50	3.5	630m		300m	3.5mΔ†		80mΔ	99m	600mΔ	45	800n	3.0u	5C	F088	
25#	SI3240E	24			55	4.0	25	1.0	200m	10m	10	1.3	1.0	1.0	37			2A	F082	TO3
26	LAS723B	25	2.0	48	50	2.0	800m	150m			45	8.0mΔ	100m	150m	69			5E	F170	CN17n
27	LAS1100	25	2.0	48	50	2.0	800m	150m			45	8.0mΔ	100m	150m	69			5E	F170a	CN17n
28	SG1532T	25	2.0	48	50	2.0	800m	150m		15mΔ	33	10mΔ	99m	150m	69			5C	F179a	TO96
29	SG2532T	25	2.0	48	50	2.0	800m	150m		15mΔ	33	10mΔ	99m	150m	69			O7	F179a	TO96
30	SG1532J	25	2.0	48	50	2.0	1.0	150m		15mΔ	33	10mΔ	99m	150m	69			5C	F179	TO116
31	SG2532J	25	2.0	48	50	2.0	1.0	150m		15mΔ	33	10mΔ	99m	150m	69			O7	F179	TO116
32	804	26	20	32	40	4.0	1.8	500m				50mΔ	794m	50m				5C		MP34a
33	MIVR42050-264	26			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
34	MIVR42051-263	26 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
35	LAS6128	28	1.0 %	1.0 %	40	2.8		10		7.0mΔ		10mΔ	10	200m	60			5C	F137	MP541
36	LAS6228	28	5.0 %	5.0 %	40	2.8		10		7.0mΔ		10mΔ	10	200m	60			5C	F137a	MP541a
37	LAS6328	28	1.0 %	1.0 %	40	2.8		8.0		7.0mΔ		10mΔ	8.0	200m	60			5C	F137	MP541
38	LAS6428	28	5.0 %	5.0 %	40	2.8		8.0		7.0mΔ		10mΔ	8.0	200m	60			5C	F137a	MP541a
39	LAS2128	28	1.0 %	1.0 %	40	4.6	9.0	2.0		7.0mΔ		10mΔ	2.0	200m	54			5C	F137	MP539
40	LAS2228	28	5.0 %	5.0 %	40	4.6	9.0	2.0		7.0mΔ		10mΔ	2.0	200m	54			5C	F137a	MP539a
41	LAS2628	28 ♦	1.0 %	1.0 %	40	5.2	9.0	2.0		7.0mΔ		10mΔ	2.0	200m	54			5C	F138	MP539
42	LAS2728	28 ♦	5.0 %	5.0 %	40	5.2	9.0	2.0		7.0mΔ		10mΔ	2.0	200m	54			5C	F138a	MP539a
43	LAS4128	28	1.0 %	1.0 %	40	2.8	11	6.0		7.0mΔ		10mΔ	6.0	200m	60			5C	F137	MP540
44	LAS4228	28	5.0 %	5.0 %	40	2.8	11	4.0		7.0mΔ		10mΔ	4.0	200m	60			5C	F137a	MP540a
45	LAS4328	28	1.0 %	1.0 %	40	2.8	11	4.0		7.0mΔ		10mΔ	4.0	200m	60			5C	F137	MP540
46	LAS4428	28	5.0 %	5.0 %	40	2.8	11	4.0		7.0mΔ		10mΔ	4.0	200m	60			5C	F137a	MP540a
47	LAS4628	28 ♦	1.0 %	1.0 %	40	2.8	11	6.0		7.0mΔ		10mΔ	6.0	200m	60			5C	F138	MP540
48	LAS4728	28 ♦	5.0 %	5.0 %	40	2.8	11	6.0		7.0mΔ		10mΔ	6.0	200m	60			5C	F138a	MP540a
49	LAS4828	28 ♦	1.0 %	1.0 %	40	2.8	11	4.0		7.0mΔ		10mΔ	4.0	200m	60			5C	F138	MP540
50	LAS4928	28 ♦	5.0 %	5.0 %	40	2.8	11	4.0		7.0mΔ		10mΔ	4.0	200m	60			5C	F138a	MP540a
51	LAS1528	28	5.0 %	5.0 %	40	2.4	15	1.5			15	2.0	1.4	600m	58			5E	F168	CN48b
52	LAS1828	28 ♦	5.0 %	5.0 %	40	2.1	15	1.5			15	2.0	1.4	600m	58			5E	F169	CN48b
53	LAS3228	28	26	29	40	2.5	140	10				10mΔ	10	200m	60			5E	F137b	MP539
54	LAS5228	28	26	29	40	2.5	270	20				14mΔ	20	200m	60			5E	F137b	MP540
55	LAS7228	28	26	29	40	2.5	400	30				16mΔ	30	200m	60			5E	F137b	MP541
56	MIVR42050-284	28			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
57	MIVR42051-283	28 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
58	MIVR42050-304	30			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
59	MIVR42051-303	30 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
60	MIVR42050-324	32			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
61	MIVR42051-323	32 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
62	MIVR42050-344	34			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
63	MIVR42051-343	34 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
64	MIVR42050-364	36			44		120	4.0		50mΔ	40	100m	4.0	200m	60			$F		TO3
65	MIVR42051-363	36 ♦			44		120	3.0		50mΔ	40	100m	5.0	200m	60			$F		TO3
66#	S1027	42 ♦	25	60	70	2.9	25	5.0	5.0m	30mΔ		2.0mΔ			63			2B	F086	MP235
67#	S1028	42 ♦	25	60	70	2.9	25	5.0	5.0m	20mΔ		2.0mΔ			63			2B	F086	MP235
68#	S1019	45 ♦	30	60	70	3.0	10	2.0	5.0m	30mΔ		1.6mΔ			63			28	F086	MP234
69#	S1020	45 ♦	30	60	70	3.0	10	2.0	5.0m	30mΔ		1.6mΔ			63			28	F086	MP234

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE 3 DRFT (V/°C)	4 OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	LM2901N	5.0 §			7.0m§	50n§	250n§	3.5 Δ					6.0m	106 †	1.3u†	48	G036	MP236
2	TL331CJG	5.0 §♦	4.0m		9.0m	150n	400n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	07	G083	MP401d
3	TL331CL	5.0 §♦	4.0m		9.0m	150n	400n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	07	G083a	CN1k
4	TL331CP	5.0 §♦	4.0m		9.0m	150n	400n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	07	G083	MP267d
5	TL331IJG	5.0 §♦	4.0m		9.0m	100n	300n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	28	G083	MP401d
6	TL331IL	5.0 §♦	4.0m		9.0m	100n	300n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	28	G083a	CN1k
7	TL331IP	5.0 §♦	4.0m		9.0m	100n	300n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	28	G083	MP267d
8	TL331MJG	5.0 §♦	4.0m		9.0m	100n	300n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	5C	G083	MP401d
9	TL331ML	5.0 §♦	4.0m		9.0m	100n	300n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	5C	G083a	CN1k
10	TL331MP	5.0 §♦	4.0m		9.0m	100n	300n	3.5		36 Ø	500 §Δ		20mΔ	106 †	1.3u†	5C	G083	MP267d
11▼	LM193ANØ	5.0 §	5.0m		4.0m	100n	300n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	5C	G079a	MP549a
12▼	LM193ATØ	5.0 §	5.0m		4.0m	100n	300n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	5C	G079a	CN1g
13♦	LM293ANØ	5.0 §	5.0m		4.0m	150n	400n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	28	G079a	MP549a
14▼	LM293ATØ	5.0 §	5.0m		4.0m	150n	400n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	28	G079a	CN1g
15	LM393AHØ	5.0 §	5.0m		4.0m	150n	400n	3.5			250m†§		6.0m	94	1.3u†	07	G079a	CN1d
16	LM393ANØ	5.0 §	5.0m		4.0m	150n	400n	3.5			250m†§		6.0m	94	1.3u†	07	G079a	MP491
17▼	LM393ATØ	5.0 §	5.0m		4.0m	150n	400n	3.5 §		5.0 ♦	250m§†		6.0m	94	1.3u†	07	G079a	CN1g
18	LM193HØ	5.0 §	5.0m		9.0m	100n	300n	3.5			250m†§		6.0m	94	1.3u†	5C	G079a	CN1d
19	LM193JG	5.0 §	5.0m		9.0m	100n	300n	3.5		5.0 †	400m§Δ		4.0m	94	1.3u†	5C	G067	MP401d
20	LM193L	5.0 §	5.0m		9.0m	100n	300n	3.5		5.0 †	400m§Δ		4.0m	94	1.3u†	5C	G067a	CN1k
21▼	LM193NØ	5.0 §	5.0m		9.0m	100n	300n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	5C	G079a	MP549a
22▼	LM193TØ	5.0 §	5.0m		9.0m	100n	300n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	5C	G079a	CN1g
23	LM293HØ	5.0 §	5.0m		9.0m	150n	400n	3.5			250m†§		6.0m	94	1.3u†	28	G079a	CN1d
24	LM293JG	5.0 §	5.0m		9.0m	150n	400n	3.5		5.0 †	400m§Δ		4.0m	94	1.3u†	28	G067	MP401d
25	LM293L	5.0 §	5.0m		9.0m	150n	400n	3.5		5.0 †	400m§Δ		4.0m	94	1.3u†	28	G067a	CN1k
26▼	LM293NØ	5.0 §	5.0m		9.0m	150n	400n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	28	G079a	MP549a
27	LM293P	5.0 §	5.0m		9.0m	150n	400n	3.5		5.0 †	400m§Δ		4.0m	94	1.3u†	28	G067	MP267d
28▼	LM293TØ	5.0 §	5.0m		9.0m	150n	400n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	28	G079a	CN1g
29	LM393HØ	5.0 §	5.0m		9.0m	150n	400n	3.5			250m†§		6.0m	94	1.3u†	07	G079a	CN1d
30	LM393JG	5.0 §	5.0m		9.0m	150n	400n	3.5		5.0 †	400m§Δ		4.0m	94	1.3u	07	G067	MP401d
31	LM393L	5.0 §	5.0m		9.0m	150n	400n	3.5		5.0 †	400m§Δ		4.0m	94	1.3u	07	G067a	CN1k
32	LM393NØ	5.0 §	5.0m		9.0m	150n	400n	3.5			250m†§		6.0m	94	1.3u†	07	G079a	CN1d
33	LM393P	5.0 §	5.0m		9.0m	150n	400n	3.5		5.0 †	400m§Δ		4.0m	94	1.3u	07	G067	MP267d
34▼	LM393TØ	5.0 §	5.0m		9.0m	150n	400n	3.5 §		5.0 ♦	250m§†		6.0m	94	1.3u†	07	G079a	CN1g
35	LM2901J⍁*	5.0 §	5.0m		15m	200n	500n	3.5			250m†§		6.0m	88	1.3u†	48	G079	MP319b
36	LM2903JG	5.0 §	5.0m		15m	200n	500n	3.5		5.0 †	400m§Δ		4.0m	88	1.5u	48	G068	MP401d
37	LM2903L	5.0 §	5.0m		15m	200n	500n	3.5		5.0 †	400m§Δ		4.0m	88	1.5u	48	G068a	CN1k
38	LM2903NØ	5.0 §	5.0m		15m	200n	500n	3.5			250m†§		6.0m	88	1.5 †	48	G079a	MP491
39	LM2903P	5.0 §	5.0m		15m	200n	500n	3.5		5.0 †	400m§Δ		4.0m	88	1.5u	48	G068	MP267d
40▼	LM2903TØ	5.0 §	5.0m		15m	200n	500n	3.5 §		5.0 ♦	400m§Δ		6.0m	88	1.3u†	48	G079a	CN1g
41▼	LM239AF⍁*	5.0 ♦§	10m		2.0m	50n	250n	3.5 §		5.0 ♦	400m§Δ		6.0m	96	1.3u†	28	G053	FP2z
42▼	LM239AJ⍁*	5.0 ♦§	10m		2.0m	50n	250n	3.5 §		5.0 ♦	400m§Δ		6.0m	96	1.3u†	28	G053	MP319j
43▼	LM239F⍁*	5.0 ♦§	10m		2.0m	50n	250n	3.5 §		5.0 ♦	400m§Δ		6.0m	106	1.3u†	28	G053	FP2z
44	CA139AE*	5.0 §	10m		4.0m	100n	300n	3.5 §					6.0m		1.3u†	5C	G053	Δ001AB
45	CA139AG*	5.0 §	10m		4.0m	100n	300n	3.5 §					6.0m		1.3u†	5C	G053	Δ001AB
46	CA139E*	5.0 §	10m		4.0m	100n	300n	3.5 §					6.0m		1.3u†	5C	G053	Δ001AB
47	CA239AE*	5.0 §	10m		4.0m	150n	400n	3.5 §					6.0m		1.3u†	28	G053	Δ001AB
48	CA239AG*	5.0 §	10m		4.0m	150n	400n	3.5 §					6.0m		1.3u†	28	G053	Δ001AB
49	CA339AE*	5.0 §	10m		4.0m	150n	400n	3.5 §					6.0m		1.3u†	07	G053	Δ001AB
50	CA339AG*	5.0 §	10m		4.0m	150n	400n	3.5 §					6.0m		1.3u†	07	G053	Δ001AB
51	CA339H	5.0 §	10m		4.0m	150n	400n	3.5 §					6.0m		1.3u†	07	G053	CH16ab
52	CA339HG	5.0 §	10m		4.0m	150n	400n	3.5 §					6.0m		1.3u†	07	G053	CH16ab
53	LM139AJ	5.0 §	10m		4.0m	100n	300n	3.5			250m†§		6.0m	94	1.3u†	5C	G079	MP319b
54	LM239AJ	5.0 §	10m		4.0m	150n	400n	3.5			250m†§		6.0m	94	1.3u†	28	G079	MP319b
55	LM339AJ	5.0 §	10m		4.0m	150n	400n	3.5			250m†§		6.0m	94	1.3u†	07	G079	MP319b
56	MLM139AL	5.0 §	10m		4.0m	100n	300n	3.5					6.0m	94	1.3u	5C	G062	TO116
57	MLM239AL	5.0 §	10m		4.0m	150n	400n	3.5					6.0m	94	1.3u	48	G062	TO116
58	MLM239AP	5.0 §	10m		4.0m	150n	400n	3.5					6.0m	94	1.3u	48	G062	MP307
59	MLM339AL	5.0 §	10m		4.0m	150n	400n	3.5					6.0m	94	1.3u	07	G062	TO116
60	MLM339AP	5.0 §	10m		4.0m	150n	400n	3.5					6.0m	94	1.3u	07	G062	MP307
61	uA139ADM	5.0	10m		4.0m	100n	300n	3.5			500m		6.0m	94	1.3u†	5C		MP359
62▼	uA239ADC	5.0	10m		4.0m	150n	400n	3.5			500m		6.0m	94	1.3u†	28		MP359
63	uA339ADC	5.0	10m		4.0m	150n	400n	3.5			500m		6.0m	94	1.3u†	07		MP359
64	uA339APC	5.0	10m		4.0m	150n	400n	3.5			500m		6.0m	94	1.3u†	07		MP151c
65	AMLM139AD	5.0	10m		5.0m	25n	100n	1.5					6.0m	106	1.3u	5C	G036	
66	AMLM139AF	5.0	10m		5.0m	25n	100n	1.5					6.0m	106	1.3u	5C	G036	
67	AMLM139D	5.0	10m		5.0m	25n	100n	1.5					6.0m	106	1.3u	5C	G036	
68	AMLM139F	5.0	10m		5.0m	25n	100n	1.5					6.0m	106	1.3u	5C	G036	
69	AMLM239AD	5.0	10m		5.0m	50n	250n	1.5					6.0m	106	1.3u	28	G036	
70	AMLM239D	5.0	10m		5.0m	50n	250n	1.5					6.0m	106	1.3u	28	G036	
71	AMLM339AD	5.0	10m		5.0m	50n	250n	1.5					6.0m	106	1.3u	07	G036	
72	AMLM339AN	5.0	10m		5.0m	50n	250n	1.5					6.0m	106	1.3u	07	G036	
73	AMLM339D	5.0	10m		5.0m	50n	250n	1.5					6.0m	106	1.3u	07	G036	
74	AMLM339N	5.0	10m		5.0m	50n	250n	1.5					6.0m	106	1.3u	07	G036	
75	LM2901J	5.0 §	10m		5.0m§	50n§	250n§	3.5 §					6.0m	106 †	1.3u†	48	G036	MP486
76▼#	MB4204	5.0	10m		5.0m	50m	250m						6.0m	106	1.3u†	26		MP39r
77	uPC177C	5.0 §	10m		5.0m§	50n§	250n§	3.5 §					6.0m	106	1.3u†	27	G036	Δ001AA
78	uPC177D	5.0 §	10m		5.0m§	50n§	250n§	3.5 §					6.0m	106	1.3u†	28	G036	Δ001AA
79	uPC339C	5.0 §	10m		5.0m§	50n§	250n§	3.5 §					6.0m	106	1.3u†	07	G036	Δ001AA
80	MLM2901P	5.0 §	10m		7.0m§	50n§	250n§	3.5					6.0m		1.3u	48	G063	MP307
81	uA2901PC	5.0	10m		7.0m§	50n§	250n§	3.5					6.0m	106 †	1.3u†	48		MP359
82	CA139G*	5.0 §	10m		9.0m	100n	300n	3.5 §					6.0m		1.3u†	5C	G053	Δ001AB
83	CA239E*	5.0 §	10m		9.0m	150n	400n	3.5 §					6.0m		1.3u†	28	G053	Δ001AB
84	CA239G*	5.0 §	10m		9.0m	150n	400n	3.5 §					6.0m		1.3u†	28	G053	Δ001AB
85	CA339E*	5.0 §	10m		9.0m	150n	400n	3.5 §					6.0m		1.3u†	07	G053	Δ001AB
86	CA339G*	5.0 §	10m		9.0m	150n	400n	3.5 §					6.0m		1.3u†	07	G053	Δ001AB
87	LM139A*	5.0 §	10m		9.0m	100n	300n	3.5 §					6.0m	106 †	1.3u†	5C	G053	MP153
88	LM139D*	5.0 §	10m		9.0m	100n	300n	3.0 §					6.0m	106 †	300n†	5C	G036	MP490
89	LM139F*	5.0 §	10m		9.0m	100n	300n	3.0 §					6.0m	106 †	300n†	5C	G036	FP29a
90	LM139F⍁*	5.0 §	10m		9.0m	100n	300n	3.5 §					6.0m	106 †	1.3u†	5C	G053	MP14x
91	LM139J03	5.0	10m		9.0m	100n	300n	3.0					6.0m	106	300n†	5C	G036	TO116
92	LM139J	5.0 §	10m		9.0m	100n	300n	3.5		5.0 †	500m§Δ		4.0m	106 †	1.3u†	5C	G066	MP139b
93▼	LM139N⍁*	5.0 §	10m		9.0m	100n	300n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	5C	G053	MP153h
94	LM239A*	5.0 §	10m		9.0m	150n	400n	3.5 §					6.0m	106 †	1.3u†	28	G053	MP153
95	LM239D*	5.0 §	10m		9.0m	150n	400n	3.0 §					6.0m	106 †	1.3u†	28	G036	MP490
96	LM239F*	5.0 §	10m		9.0m	150n	400n	3.5 §					6.0m	106 †	1.3u†	28	G053	MP14x
97	LM239J	5.0 §	10m		9.0m	150n	400n	3.5		5.0 †	500m§Δ		4.0m	106 †	1.3u†	28	G066	MP139b
98	LM239N	5.0 §	10m		9.0m	150n	400n	3.5		5.0 †	500m§Δ		4.0m	106 †	1.3u†	28	G066	MP598
99▼	LM239N⍁*	5.0 §	10m		9.0m	150n	400n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	28	G053	MP153h
100	LM339A*	5.0 §	10m		9.0m	150n	400n	3.5 §					6.0m	106 †	1.3u†	07	G053	MP153
101	LM339D*	5.0 §	10m		9.0m	150n	400n	3.0 §					6.0m	106 †	300n†	07	G036	MP490
102	LM339F*	5.0 §	10m		9.0m	150n	400n	3.5 §					6.0m	106 †	1.3u†	07	G053	MP14x
103	LM339J	5.0 §	10m		9.0m	150n	400n	3.0		5.0 †	500m§Δ		4.0m	106 †	300n†	07	G036	TO116
104	LM339N*	5.0 §	10m		9.0m	150n	400n	3.0 §					6.0m	106 †	300n†	07	G036	MP39n
105▼	LM339N⍁*	5.0 §	10m		9.0m	150n	400n	3.5 §		5.0 †	250m§†		6.0m	94	1.3u†	07	G053	MP153h
106	MLM139L	5.0 §	10m		9.0m	100n	300n	3.5					6.0m	106 †	1.3u	5C	G062	TO116
107	MLM239L	5.0 §	10m		9.0m	150n	400n	3.5					6.0m	106 †	1.3u	48	G062	TO116
108	MLM239P	5.0 §	10m		9.0m	150n	400n	3.5					6.0m	106 †	1.3u	48	G062	MP307
109	MLM339L	5.0 §	10m		9.0m	150n	400n	3.5					6.0m	106 †	1.3u	07	G062	TO116
110	MLM339P	5.0 §	10m		9.0m	150n	400n	3.5					6.0m	106 †	1.3u	07	G062	MP307

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE [3] DRFT (V/°C)	[4] OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	TC EO MD PE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	SA539A	5.0 §	10m		9.0m	100n	300n	3.5 §					6.0m	106 †	1.3u†	48	G036	MP153
2	SG139J*	5.0 §	10m		9.0m	100n	300n	3.0					6.0m	106 †	1.3u†	5C	G064	TO116
3	SG239J*	5.0 §	10m		9.0m	150n	400n	3.0					6.0m	106 †	1.3u†	28	G064	TO116
4	SG239N*	5.0 §	10m		9.0m	150n	400n	3.0					6.0m	106 †	1.3u†	07	G064	MP39a
5	SG339J*	5.0 §	10m		9.0m	150n	400n	3.0					6.0m	106 †	1.3u†	07	G064	TO116
6	SG339N*	5.0 §	10m		9.0m	150n	400n	3.0					6.0m	106 †	1.3u†	07	G064	MP39a
7	uA139DM	5.0	10m		9.0m	150n	300n	3.5			500m		6.0m	106 †	1.3u†	5C		MP359
8▼	uA239DC	5.0	10m		9.0m	150n	400n	3.5			500m		6.0m	106 †	1.3u†	28		MP359
9	uA339DC	5.0	10m		9.0m	150n	400n	3.5			500m		6.0m	106 †	1.3u†	07		MP359
10	uA339PC	5.0	10m		9.0m	150n	400n	3.5			500m		6.0m	106 †	1.3u†	07		MP151c
11▼	LM2901F*	5.0 §	10m		15m	200n	500n	3.5 §		5.0 ♦	400m§∆		6.0m	88	1.3u†	48	G053	MP319k
12▼	LM2901N⊠*	5.0 §	10m		15m	200n	500n	3.5 §		5.0 ♦	400m§∆		6.0m	88	1.3u†	48	G053	MP153h
13	LM3302J	5.0 §	10m		40m	300n	1.0u	3.5			250m†§		2.0m	66	1.3 †	48	G079	MP319b
14	LM3302N	5.0 §	10m		40m	100n	1.0u	3.5					2.0m	66	1.3u†	48	G064	MP39n
15▼	MC3302N*	5.0 §	10m		40m	300n	1.0u	3.5 §		5.0 ♦	400m§∆		2.0m	46	1.3u†	48	G053	MP153h
16	uPC379AØ	5.0 §	15m		5.0m§	150n§	600n§	4.0 §					10m	60	5.0u	28	G072	CN10e
17▼	9915	5	100m	300u	20m	30u	50u	2.0		4.0	200m	470 †	10m	50	20n	5C		MP463
18▼	MC3505L§*	5.0 §	120m	15u†	9.0m	150n	1.5u	0.0		5.0 ♦	350m§†		6.0m	104 †	300n†	5C	A415	TO116
19▼	MC3405L§*	5.0 §	210m	15u†	12m	200n	800n	0.0		5.0 ♦	350m§†		6.0m	104 †	300n†	07	A415	TO116
20▼	MC3405P§*	5.0 §	210m	15u†	12m	200n	800n	0.0		5.0 ♦	350m§†		6.0m	104 †	300n†	07	A415	MP307
21	LM339AN	5.0	570m⊠		4.0m	150n	400n	0.0					4.0m	106 †	1.3u†	07	G036	MP39n
22	LM339AD	5	900m⊠		9.0m	150n	400n	0.0					6.0m	106 †		07	G036	MP139
23#	M51205L	5.6	112m				75n	3.5							1.0u†	17	G077	MP534
24#	M51206L	5.6	112m		2.0m†		75n	3.5							1.0u†	17	G078	MP534
25#	M51202L	6.5	49m		2.0m†		100n	5.7							200n†	17	G058	MP534
26#	M51201L	6.5	53m				100n	5.7							200n†	17	G057	MP534
27	NE526A	10	120m		5.0m	5.0u	35u	7.4 §		2.8	400m		16m	70 †	17 *	07	G009	TO116
28	NE526K	10	120m		5.0m	5.0u	35u	7.4 §		2.8	400m		16m	70 †	17 *	07	G009	TO99
29	SE526A	10	120m		5.0m	5.0u	35u	7.4 §		3.5	500m§∆		16m		15n†*	5C	G009	TO116
30	SE526K	10	120m		5.0m	5.0u	35u	7.4 §		2.8	400m		16m	70 †	17 *	5C	G009	TO99
31	LM160D	10 ♦	240m	8.0u†	5.0m	3.0u	20u	8.0		2.4	400m§∆	100 †			12n†	5C	G040	MP490
32	LM160F	10 ♦	240m	8.0u†	5.0m	3.0u	20u	8.0		2.4	400m§∆	100 †			12n†	5C	G040	FP29a
33	LM160H	10 ♦	240m	8.0u†	5.0m	3.0u	20u	8.0		2.4	400m§∆	100 †			12n†	5C	G040	CN1d
34	LM260D	10 ♦	240m	8.0u†	5.0m	3.0u	20u	8.0		2.4	400m§∆	100 †			12n†	28	G040	MP490
35	LM260H	10 ♦	240m	8.0u†	5.0m	3.0u	20u	8.0		2.4	400m§∆	100 †			12n†	28	G040	CN1d
36	LM360D	10 ♦	240m	8.0u†	5.0m	3.0u	20u	8.0		2.4	400m§∆	100 †			12n†	07	G040	MP490
37	LM360H	10 ♦	240m	8.0u†	5.0m	3.0u	20u	8.0		2.4	400m§∆	100 †			12n†	07	G040	CN1d
38	LM360N14	10 ♦	240m	8.0u†	5.0m	3.0u	20u	8.0		2.4	400m§	100 †			12n†	07	G040	MP39n
39	NE521A*	10	390m		10m	12u	40u	6.0	100u	2.7	500m§∆	280		74		07	G042	MP153
40♦	NE521F*	10	390m		10m	12u	40u	6.0	4.0m	2.7	500m§∆	280		74	18n	07	G042	MP319k
41▼	NE521N*	10	390m		10m	12u	40u	6.0	4.0m	2.7	500m§∆				18n	07	G042	MP153h
42	NE522A*	10	390m		10m	12u	40u	6.0	100u	500m		280		74		07	G043	MP153
43♦	NE522F*	10	390m		10m	12u	40u	6.0	4.0m	5.2 ♦	500m§∆	280		74	25n	07	G043	MP319k
44▼	NE522N*	10	390m		10m	12u	40u	6.0	4.0m	5.2 ♦	500m§∆				25n	07	G043	MP153h
45	MC3430L	10	1.0 ⊠		2.0m†	1.0u	20u	10	1.0m				16M	62 †	55n	07	G051a	MP178d
46	MC3430P	10	1.0 ⊠		2.0m†	1.0u	20u	10	1.0m				16M	62 †	55n	07	G051a	MP308a
47	MC3431L	10	1.0 ⊠		2.0m†	1.0u	20u	10	1.0m				16M	62 †	55n	07	G051a	MP178d
48	MC3431P	10	1.0 ⊠		2.0m†	1.0u	20u	10	1.0m				16M	62 †	55n	07	G051a	MP308a
49	MC3432L	10	1.0 ⊠		2.0m†	1.0u	20u	10	1.0m				16M	62 †	65n	07	G051	MP178d
50	MC3432P	10	1.0 ⊠		2.0m†	1.0u	20u	10	1.0m				16M	62 †	65n	07	G051	MP308a
51	MC3433L	10	1.0 ⊠		2.0m†	1.0u	20u	10	1.0m				16M	62 †	65n	07	G051	MP178d
52	MC3433P	10	1.0 ⊠		2.0m†	1.0u	20u	10	1.0m				16M	62 †	65n	07	G051	MP308a
53	AM685DL	11 §	325m	10u	2.5m	1.3u	13u	3.3 §		960mØ	1.8				4.5n	38	G044	MP437
54	AM685HL	11 §	325m	10u	2.5m	1.3u	13u	3.3 §		960mØ	1.8				4.5n	38	G044	TO100
55	AM685DM	11 §	325m	10u	3.0m	1.6u	16u	3.3 §		960mØ	1.8				4.5n	5C	G044	MP437
56	AM685HM	11 §	325m	10u	3.0m	1.6u	16u	3.3 §		960mØ	1.8				4.5n	5C	G044	TO100
57	AM686DM	11 §	400m	10u†	2.0m§	1.0u⊠	10u⊠	6.0 §		2.5	500m∆§		10m†		15n	5C	G082a	MP⊠
58	AM686HM	11 §	400m	10u†	2.0m§	1.0u⊠	10u⊠	6.0 §		2.5	500m∆§		10m†		15n	5C	G082	CN⊠
59	AM686DC	11 §	415m	10u†	3.0m§	1.0u⊠	10u⊠	6.0 §		2.7	500m∆§		10m†		15n	06	G082a	MP⊠
60	AM686HC	11 §	415m	10u†	3.0m§	1.0u⊠	10u⊠	6.0 §		2.7	500m∆§		10m†		15n	06	G082	CN⊠
61	AM687DL	11 §	534m	10u	3.5m	1.3u	13u	3.3		960mØ	1.8				9.0n			
62	uA760DM	13	312m	3.0u†	6.0m	7.5u	60u	8.0		2.4	400m§∆	100 †	3.2m		30n	5C	G027a	MP486b
63	uA760HM	13	312m	3.0u†	6.0m	7.5u	60u	8.0		2.4	400m§∆	100 †	3.2m		30n	5C	G027	CN1d
64	uA760DC	13	325m	3.0u†	6.0m§	7.5u§	60u§	8.0		2.4	400m§∆	100 †	3.2m		30n	07	G027a	MP486b
65	uA760HC	13	325m	3.0u†	6.0m§	7.5u§	60u§	8.0		2.4	400m§∆	100 †	3.2m		30n	07	G027	CN1d
66#	SFC2525EC	14	135m			500n	75u									07		MP252
67#	SFC2525KM	14	135m			500n	75u									5C		MP252
68#	SFC2528EC	14	135m			500n	75u									07		MP252
69#	SFC2528KM	14	135m			500n	75u									5C		MP252
70#	SFC2529EC	14	135m			500n	75u									07		MP252
71#	SFC2529KM	14	135m			500n	75u									5C		MP252
72	RC3302DB	15 §	22m		20m§	3.0n§†	500n§	260m		36 ♦	400m		2.0m	70 †	2.0u†	48	G036	MP153f
73	LM139AA*	15 §	30m		2.0m	25n	100n	13 §					6.0m	106 †	1.3u†	5C	G053	MP153
74	LM139AD	15 §	30m		2.0m§	25n§	100n§	13 §					6.0m	106 †	1.3u†	5C	G036	MP490
75	LM139AF	15 §	30m		2.0m§	25n§	100n§	13 §					6.0m	106 †	1.3u†	5C	G036	FP29a
76	LM139AF⊠*	15 §	30m		2.0m	25n	100n	13 §					6.0m	106 †	1.3u†	5C	G053	MP14x
77	LM239AA*	15 §	30m		2.0m	50n	250n	13 §					6.0m	106 †	1.3u†	28	G053	MP153
78	LM239AD	15 §	30m		2.0m§	50n§	250n§	13 §					6.0m	106 †	1.3u†	07	G036	MP490
79	LM239AF*	15 §	30m		2.0m	50n	250n	13 §					6.0m	106 †	1.3u†	28	G053	MP14x
80	LM339AA*	15 §	30m		2.0m	50n	250n	13 §					6.0m	106 †	1.3u†	07	G053	MP153
81	LM339AF*	15 §	30m		2.0m	50n	250n	13 §					6.0m	106 †	1.3u†	07	G053	MP14x
82	SG139AJ*	15 §	30m		9.0m	100n	300n	13					6.0m	106 †	1.3u†	5C	G064	TO116
83	SG239AJ*	15 §	30m		9.0m	150n	400n	13					6.0m	106 †	1.3u†	28	G064	TO116
84	SG239AN*	15 §	30m		9.0m	150n	400n	13					6.0m	106 †	1.3u†	28	G064	MP39a
85	SG339AJ*	15 §	30m		9.0m	150n	400n	13					6.0m	106 †	1.3u†	07	G064	TO116
86	SG339AN*	15 §	30m		9.0m	150n	400n	13					6.0m	106 †	1.3u†	07	G064	MP39a
87	MC3302A*	15 §	225m		40m	3.0n	1.0u	26 §			400m∆		6.0m†	66		48	G032	MP153
88▼	uA3302PC	15	670m⊠		20m	3.0n†	500n	13			400m		6.0m†	66	2.0u†	48	G060	MP252f
89	MC3302L*	15 §	1.2 ⊠		40m	3.0n†	1.0u	26 §			400m∆§		6.0 †	66		5C	G032	TO116
90	MC3302P*	15 §	1.2 ⊠		40m	3.0n†§	1.0u	26 §			400m∆§		6.0 †	66		48	G032	TO116
91#	SFC2524EC	16	135m			500n	75u									07		MP252
92#	SFC2524KM	16	135m			500n	75u									5C		MP252
93	LM760CD	16	312m	8.0u	5.0m	3.0u	20u	8.0		2.4	250m†	100 †	20m∆	70	14n†	07		MP148
94	LM760CH	16	312m	8.0u	5.0m	3.0u	20u	8.0		2.4	250m†	100 †	20m∆	70	14n†	07		TO99
95	LM760CN	16	312m	8.0u	5.0m	3.0u	20u	8.0		2.4	250m†	100 †	20m∆	70	14n†	07		MP39n
96	LM760D	16	312m	8.0u	5.0m	3.0u	20u	8.0		2.4	250m†	100 †	20m∆	70	14n†	5C		MP148
97	LM760F	16	312m	8.0u	5.0m	3.0u	20u	8.0		2.4	250m†	100 †	20m∆	70	14n†	5C		FP6j
98	LM760H	16	312m	8.0u	5.0m	3.0u	20u	8.0		2.4	250m†	100 †	20m∆	70	14n†	5C		TO99
99	SN72710FA	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †	5.0m	57	40n†	07	G001	FP2t
100	SN72710J	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	MP139
101	SN72710L	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	TO99
102	SN72710N	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	MP39h
103	SN72710P	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †	5.0m	57	40n†	07	G001	MP267
104	TL710CJ	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	MP139b
105	TL710CJG	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	MP401d
106	TL710CL	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	CN1k
107	TL710CN	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	MP598
108	TL710CP	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	MP267d
109	TL710CU	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G001	∆004AE
110	TL720CJ	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07	G070	MP139b

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE 3 DRFT (V/°C)	4 OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	TEMP -+	CO DE	DRAWINGS CKT.	OUT-LINE Δ=MO
1	TL720CN	18 §	88m†	7.5u†	10m	25u	150u	10		2.5	1.0	200 †		56	40n†	07		G070	MP598
2#	SFC2710M	18 §	90m		600u§†	750n§†	13u§†			3.2 †		500m†	200m†	65 †	40u†	5C		G001	TO99
3#	SFC2710C	18 §	90m		1.6m§†	1.8u§†	16u§†			3.2 †		500m†	200m†	64 †	40u†	07		G001	TO99
4	SN52811FA	18 §	94m†	5.0u	4.5m	5.0u	30u	10	2.5m	2.5	1.0	200 †	5.0m	82	33n†	5C		G029	FP2t
5	SN72811FA	18 §	94m†	5.0u	6.0m	10u	50u	10	2.5m	2.5	1.0	200 †	5.0m	80	33n†	07		G029	FP2t
6#	SFC2711CØ	18 §	130m		1.0m§†	500n§†	25u§†			4.5 †		500m†	200m†	64 †	40u†	07		G006	TO100
7#	SFC2711MØ	18 §	130m		1.0m§†	500n§†	25u§†			4.5 †		500m†	200m†	64 †	40u†	5C		G006	TO100
8	SN52711FA	18 §	130m†	5.0u†	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	5.0m	56	40n†	5C		G006	FP2t
9	SN72711FA	18 §	130m†	5.0u†	10m	25u	150u	10	2.5m	2.5	1.0	200 †	5.0m	57	40n†	07		G006	FP2t
10	uPC71A	18 §	140m		5.0m§	5.0u§	25u§	10		2.5			1.6m	60	40n†	28		G001	Δ002AK
11	MCC1710	18 §	150m	3.0u†	2.0m§		20u§	14 Δ		2.5	1.0	200 †	2.0m		40n†	5C		G001	CH10
12	MC1710F	18 §♦	150m	3.0u†§	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C		G033	TO91
13	MC1710G	18 §♦	150m	3.0u†§	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C		G033	CN1k
14	MC1710L	18 §♦	150m	3.0u†§	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C		G033	TO116
15	MCC1710C	18 §	150m	3.0u†	5.0m§		25u§	14 Δ		2.5	1.0	200 †	2.0m		40n†	5C		G001	CH10
16	RM710ABL	18 §♦	150m	5.0u	1.5m	5.0u	28u	10		2.5	1.0	200 †	2.0m	63	40n†	5C		G001	CH30
17	RM710ADC	18 §♦	150m	5.0u	1.5m	5.0u	28u	10		2.5	1.0	200 †	2.0m	63	40n†	5C		G001	MP153g
18	RM710AQ	18 §♦	150m	5.0u	1.5m	5.0u	28u	10		2.5	1.0	200 †	2.0m	63	40n†	5C		G001	FP2z
19	RM710AT	18 §♦	150m	5.0u	1.5m	5.0u	28u	10		2.5	1.0	200 †	2.0m	63	40n†	5C		G001	TO99
20	SN52811J	18 §♦	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07		G029	MP139
21	SN52811L	18 §♦	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	0.0	200 †	500u	82	33n†	5C		G029	TO100
22	TL811MJ	18 §	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	1.0	200 †	500u	81	33n†	5C		G029	MP139b
23	TL811ML	18 §	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	1.0	200 †	500u	81	33n†	5C		G029	CN10q
24	TL811MU	18 §	150m	5.0u†	4.5m	5.0u	30u	10	2.5m	2.5	1.0	200 †	500u	81	33n†	5C		G029	Δ004AE
25	MC1710CF	18 §♦	150m	5.0u†§	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07		G033	TO91
26	MC1710CG	18 §♦	150m	5.0u†§	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07		G033	CN1k
27	MC1710CL	18 §♦	150m	5.0u†§	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07		G033	TO116
28	MC1710CP	18 §♦	150m	5.0u†§	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07		G033	MP307
29#	MB4001K	18	150m	7.5u†	6.5m	1.0u†§	35u			2.5	200m	200	1.6m	56	40n†	07		G065	TO78
30	JANM38510/10301ACA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
31	JANM38510/10301ACB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
32	JANM38510/10301ACC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
33	JANM38510/10301AGA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
34	JANM38510/10301AGB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
35	JANM38510/10301AGC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
36	JANM38510/10301AHA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
37	JANM38510/10301AHB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
38	JANM38510/10301AHC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
39	JANM38510/10301BCA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
40	JANM38510/10301BCB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
41	JANM38510/10301BCC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
42	JANM38510/10301BGA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
43	JANM38510/10301BGB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
44	JANM38510/10301BGC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
45	JANM38510/10301BHA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
46	JANM38510/10301BHB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
47	JANM38510/10301BHC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
48	JANM38510/10301CCA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
49	JANM38510/10301CCB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
50	JANM38510/10301CCC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048a	MP315
51	JANM38510/10301CGA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
52	JANM38510/10301CGB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
53	JANM38510/10301CGC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048	CN1k
54	JANM38510/10301CHA	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
55	JANM38510/10301CHB	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
56	JANM38510/10301CHC	18 §	150m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.0		2.0m	61	60n	5C		G048b	FP31
57	LM710H	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	500u	61	40n†	5C		G001	CN1d
58	RM710BL	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C		G001	CH30
59	RM710DC	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C		G001	MP153g
60	RM710Q	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C		G001	FP2z
61	RM710T	18 §♦	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C		G001	TO99
62#	SFC2710EM	18 §	150m	10u⍁	3.0m	7.0u	45u⍁	10		2.5	0.0	200 †	2.0m	62	40n†	5C		G001	TO116
63#	SFC2710PM	18 §	150m	10u⍁	3.0m	7.0u⍁	45u⍁	10		2.5	0.0	200 †	2.0m	62	40n†	5C		G001	TO91
64	SG710T	18 §	150m	10u§	3.0m	3.0u§	20u§	10		2.5	1.0	200 †	2.0m	61	40n†	5C		G001	TO99
65	SN52510FA	18 §	150m	10u⍁	3.0m	3.0u⍁	25u⍁	10	2.5m	5.0	1.0	200 †	5.0m	82	30n†	5C		G024	FP2t
66	SN52510J	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C		G024	MP139
67	SN52510JP	18 §	150m	10u⍁	3.0m	3.0u⍁	25u⍁	10	2.5m	5.0	1.0	200 †	5.0m	82	30n†	5C		G024	MP383
68	SN52510L	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C		G024	TO99
69	SN52514J	18 §♦	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	0.0	200 †	2.0m	82	30n†	5C		G025	MP139
70	SN52810FA	18 §	150m	10u⍁	3.0m	3.0u⍁	25u⍁	10		2.5	1.0	200 †	5.0m	82	30n†	5C		G028	FP2t
71	SN52810J	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C		G028	MP139
72	SN52810JP	18 §	150m	10u⍁	3.0m	3.0u⍁	25u⍁	10		2.5	1.0	200 †	5.0m	82	30n†	5C		G028	MP383
73	SN52810L	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C		G028	TO99
74	SN52820J	18 §♦	150m	10u	3.0m	7.0u	25u	10		2.5	0.0	200 †	2.0m	82	30n†	5C		G028a	MP139
75	TL510MJ	18 §	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	1.0	200 †		81	30n†	5C		G069	MP139b
76	TL510MJG	18 §	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	1.0	200 †		81	30n†	5C		G069a	MP401d
77	TL510ML	18 §	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	1.0	200 †		81	30n†	5C		G069b	CN1k
78	TL510MU	18 §	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	1.0	200 †		81	30n†	5C		G069c	Δ004AE
79	TL514MJ	18 §	150m	10u	3.0m	7.0u	25u	10	2.5m	2.5	1.0	200 †		81	30n†	5C		G025	MP139b
80	TL810MJ	18 §	150m	10u	3.0m	7.0u	25u	10		2.5	1.0	200 †	2.0m	81	30n†	5C		G028	MP139b
81	TL810MJG	18 §	150m	10u	3.0m	7.0u	25u	10		2.5	1.0	200 †	2.0m	81	30n†	5C		G028	MP401d
82	TL810ML	18 §	150m	10u	3.0m	7.0u	25u	10		2.5	1.0	200 †	2.0m	81	30n†	5C		G028	CN1k
83	TL810MU	18 §	150m	10u	3.0m	7.0u	25u	10		2.5	1.0	200 †	2.0m	81	30n†	5C		G028	Δ004AE

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS		INPUT CHARACTERISTICS						OUTPUT CHAR. @ 25°C				W/C TRANSFER CHAR. @25°C		T C E O M D P E -+	DRAWINGS	
				OVER OPERATING TEMP. RANGE				@25°C		MIN. OUTPUT VOLTAGE		MAX. OUT RES.	MIN. CURR SINK					
		1 TOT. VOLT	2 MAX IDLE P	MAX. VOLTAGE		MAX CURRENT		MIN CM RANGE	STROBE CUR-MAX	POS	NEG			VOLT. GAIN	RESP. TIME		CKT.	OUT-LINE Δ=MO
		(ΔV)	(W)	3 DRFT (V/°C)	4 OFSET (V)	OFFSET (A)	BIAS (A)	(ΔV)	(A)	(V)	(V)	(Ω)	(A)	(dB)	(s)			
1	TL820MJ	18 §	150m	10u	3.0m	7.0u	25u	10		2.5	1.0	200 †	2.0m	81	30n†	5C	G028a	MP139b
2	uA710A	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C	G047	MP∅
3	uA710DM	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	79	40n†	5C	G001	MP486b
4	uA710FM	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	79	40n†	5C	G001	FP2w
5	uA710HM	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	79	40n†	5C	G001	CN1d
6	uA710MJ	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	61	40n†	5C	G001	MP139b
7	uA710MJG	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	61	40n†	5C	G001	MP401d
8	uA710ML	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	61	40n†	5C	G001	CN1k
9	uA710MU	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	61	40n†	5C	G001	Δ004AE
10	uA710T	18 §	150m	10u	3.0m	7.0u	45u	10		2.5	1.0	200 †	2.0m	62	40n†	5C	G047	CN1g
11	SG711J	18 §	150m	10u§	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	5C		TO116
12	SG711T	18 §	150m	10u§	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	5C	G006	TO100
13	SN72510FA	18 §	150m	20u∅	4.5m	7.5u∅	30u∅	10	2.5m	5.0	1.0	200 †	5.0m	80	30n†	07	G024	FP2t
14	SN72510J	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	MP139
15	SN72510L	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	TO99
16	SN72510N	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	MP39h
17	SN72510P	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G024	MP267
18	SN72514J	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G025	MP139
19	SN72514N	18 §♦	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	0.0	200 †	1.6m	80	30n†	07	G025	MP39h
20	SN72810FA	18 §	150m	20u∅	4.5m	7.5u∅	30u∅	10		2.5	1.0	200 †	5.0m	80	30n†	07	G028	FP2t
21	SN72810J	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	MP139
22	SN72810L	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	TO99
23	SN72810N	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	MP39h
24	SN72810P	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028	MP267
25	SN72820J	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028a	MP139
26	SN72820N	18 §♦	150m	20u	4.5m	7.5u	30u	10		2.5	0.0	200 †	1.6m	80	30n†	07	G028a	MP39h
27	TL510CJ	18 §	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	1.0	200 †		80	30n†	07	G069	MP139b
28	TL510CJG	18 §	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	1.0	200 †		80	30n†	07	G069a	MP401d
29	TL510CL	18 §	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	1.0	200 †		80	30n†	07	G069b	CN1k
30	TL510CN	18 §	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	1.0	200 †		80	30n†	07	G069	MP598
31	TL510CP	18 §	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	1.0	200 †		80	30n†	07	G069a	MP267d
32	TL510CU	18 §	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	1.0	200 †		80	30n†	07	G069c	Δ004AE
33	TL514CJ	18 §	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	1.0	200 †		80	30n†	07	G025	MP139b
34	TL514CN	18 §	150m	20u	4.5m	7.5u	30u	10	2.5m	2.5	1.0	200 †		80	30n†	07	G025	MP598
35	TL810CJ	18 §	150m	20u	4.5m	7.5u	30u	10		2.5	1.0	200 †	1.6m	80	30n†	07	G028	MP139b
36	TL810CJG	18 §	150m	20u	4.5m	7.5u	30u	10		2.5	1.0	200 †	1.6m	80	30n†	07	G028	MP401d
37	TL810CL	18 §	150m	20u	4.5m	7.5u	30u	10		2.5	1.0	200 †	1.6m	80	30n†	07	G028	CN1k
38	TL810CN	18 §	150m	20u	4.5m	7.5u	30u	10		2.5	1.0	200 †	1.6m	80	30n†	07	G028	MP598
39	TL810CP	18 §	150m	20u	4.5m	7.5u	30u	10		2.5	1.0	200 †	1.6m	80	30n†	07	G028	MP267d
40	TL810CU	18 §	150m	20u	4.5m	7.5u	30u	10		2.5	1.0	200 †	1.6m	80	30n†	07	G028	Δ004AE
41	TL820CJ	18 §	150m	20u	4.5m	7.5u	30u	10		2.5	1.0	200 †	1.6m	80	30n†	07	G028a	MP139b
42	TL820CN	18 §	150m	20u	4.5m	7.5u	30u	10		2.5	1.0	200 †	1.6m	80	30n†	07	G028a	MP598
43	RC710DB	18 §♦	150m	20u	5.0m§	5.0u§	25u§	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP153f
44	RC710Q	18 §♦	150m	20u	5.0m§	5.0u§	25u§	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	FP2z
45	LM710CH	18 §	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	500u	60	40n†	07	G001	CN1d
46	LM710CN	18 §	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	500u	60	40n†	07	G001	MP39n
47	RC710BL	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	CH30
48	RC710DC	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP153g
49	RC710T	18 §♦	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	TO99
50#	SFC2710EC	18 §	150m	20u	6.5m	7.5u	40u∅	10		2.5	0.0	200 †	1.6m	60	40n†	07	G001	TO116
51	uA710CA	18 §	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G047	MP∅
52	uA710CT	18 §	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G047	CN1g
53	uA710DC	18 §	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP486b
54	uA710HC	18 §	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	CN1d
55	uA710PC	18 §	150m	20u	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP252f
56	SG711CJ	18 §	150m	20u§	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40n†	07		TO116
57	SG711CN	18 §	150m	20u§	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40n†	07	G006	MP39a
58	SG711CT	18 §	150m	20u§	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40n†	07	G006	TO100
59	SG710J	18 §	150m	40u§	3.0m	3.0u§	20u§	10		2.5	1.0	200 †	2.0m	61	60n	5C	G001	TO116
60	SG710CJ	18 §	150m	20m§	6.5m	5.0u§	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	TO116
61	SG710CN	18 §	150m	20m§	6.5m	5.0u§	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	MP39a
62	SG710CT	18 §	150m	20m§	6.5m	5.0u§	40u	10		2.5	1.0	200 †	1.6m	60	40n†	07	G001	TO99
63	SN52710FA	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	5.0m	56	40n†	5C	G001	FP2t
64	SN52710J	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	MP139
65	SN52710JP	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	5.0m	56	40n†	5C	G001	MP383
66	SN52710L	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	TO99
67	TL710MJ	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	MP139b
68	TL710MJG	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	MP401d
69	TL710ML	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	CN1k
70	TL710MU	18 §	175m	5.0u†	6.0m	20u	150u	10		2.5	1.0	200 †	1.6m	57	40n†	5C	G001	Δ004AE
71	SN72720JØ	18 §♦	176m†	7.5u†	10m	25u	150u	10		2.5	0.0	200 †	1.6m†	54	40n†	07	G001	MP139
72	SN72720NØ	18 §♦	176m†	7.5u†	10m	25u	150u	10		2.5	0.0	200 †	1.6m†	56	40n†	07	G001	MP39h
73	RC711DC*	18 §♦	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	1.6m	57	40n†	07	G006	MP153g
74	RC711T*	18 §♦	180m	20u	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	1.6m	57	40n†	07	G006	TO100
75	RM711BLØ	18 §♦	180m	20u	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	680u	58	40n†	5C		CH29
76	RC711BL	18 §♦	180m	20u	10m	25u	150u	10	2.5m	2.5	1.0	200 †	680u	58	40n†	07	G006	CH29
77	MCC1711*	18 §	200m	5.0u†	3.5m§		75u§	14 Δ	2.5m	2.5	1.0	200 †	500u		40n†	5C	G006	CH11
78	uA711A	18 §	200m	5.0u†	4.5m	20u	150u	10	2.5m	2.5	1.0	200 †	500m	57	40n†	5C	G006	MP∅
79	uA711K	18 §	200m	5.0u†	4.5m	20u	150u	10	2.5m	2.5	1.0	200 †	500m	57	40n†	5C	G006	TO100
80	uA711MJ	18 §	200m	5.0u†	4.5m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	5C	G006	MP139b
81	uA711ML	18 §	200m	5.0u†	4.5m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	5C	G006	CN10q
82	uA711MU	18 §	200m	5.0u†	4.5m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	5C	G006	Δ004AE
83	MCC1711C*	18 §	200m	5.0u†	5.0m§		100u§	14 Δ	2.5m	2.5	1.0	200 †	500u		40n†	5C	G006	CH11
84	LM711HØ	18 §	200m	5.0u†	6.0m	20u	150u	10	2.5m	4.5 †	1.0	200 †	500u	57	40n†	5C	G029	CN17j
85	MC1711F	18 §♦	200m	5.0u†§	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	58	40n†	5C	G006	CN10c
86	MC1711G	18 §♦	200m	5.0u†§	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	58	40n†	5C	G006	TO100
87	MC1711LØ	18 §♦	200m	5.0u§†	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	5C	G006	TO116
88#	SFC2711EMØ	18 §	200m	5.0u†	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	64 †	40n†	5C	G006	TO116
89#	SFC2711PMØ	18 §	200m	5.0u†	6.0m	20u	150u	10	2.5m	2.5	0.0	200 †	500u	64 †	40n†	5C	G006	TO91
90	SN52711JØ	18 §	200m	5.0u†	6.0m	20u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40 †	5C	G006	MP139
91	SN72811J	18 §♦	200m	5.0u†	6.0m	10u	50u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	MP139
92	SN72811L	18 §♦	200m	5.0u†	6.0m	10u	50u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	TO100
93	SN72811N	18 §♦	200m	5.0u†	6.0m	10u	50u	10	2.5m	2.5	0.0	200 †	500u	80	33n†	07	G029	MP39h
94	TL811CJ	18 §	200m	5.0u†	6.0m	10u	50u	10	2.5m	2.5	1.0	200 †	500u	80	33n†	07	G029	MP139b
95	TL811CL	18 §	200m	5.0u†	6.0m	10u	50u	10	2.5m	2.5	1.0	200 †	500u	80	33n†	07	G029	CN10q
96	TL811CN	18 §	200m	5.0u†	6.0m	10u	50u	10	2.5m	2.5	1.0	200 †	500u	80	33n†	07	G029	MP598
97	TL811CU	18 §	200m	5.0u†	6.0m	10u	50u	10	2.5m	2.5	1.0	200 †	500u	80	33n†	07	G029	Δ004AE
98	uA711CA	18 §	200m	5.0u†	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	500m	57	40n†	07	G006	MP∅
99	uA711CK	18 §	200m	5.0u†	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	500m	57	40n†	07	G006	TO100
100	uA711DM*	18 §	200m	5.0u†	6.0m	20u	150u	10	2.5m	4.5 †	1.0	200 †	500u	58	40n†	5C	G006	MP486b
101	uA711FM*	18 §	200m	5.0u†	6.0m	20u	150u	10	2.5m	4.5 †	1.0	200 †	500u	58	40n†	5C	G006	FP2w
102	uA711HM*	18 §	200m	5.0u†	6.0m	20u	150u	10	2.5m	4.5 †	1.0	200 †	500u	58	40n†	5C	G006	TO100
103	MC1711CFØ	18 §♦	200m	5.0u†§	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	07	G006	TO91
104	MC1711CGØ	18 §♦	200m	5.0u†§	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	07	G006	TO100
105	MC1711CLØ	18 §♦	200m	5.0u§†	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	07	G006	TO116
106	MC1711CPØ	18 §♦	200m	5.0u†§	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	57	40n†	07	G006	MP307
107	JANM38510/10302ACA	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	MP315
108	JANM38510/10302ACB	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	MP315

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE [3] DRFT (V/°C)	[4] OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	JANM38510/10302ACC	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	MP315
2	JANM38510/10302AHAØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
3	JANM38510/10302AHBØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
4	JANM38510/10302AHCØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
5	JANM38510/10302AIAØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
6	JANM38510/10302AIBØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
7	JANM38510/10302AICØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
8	JANM38510/10302BCAØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	FP24a
9	JANM38510/10302BCBØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	FP24a
10	JANM38510/10302BCCØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	FP24a
11	JANM38510/10302BHAØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
12	JANM38510/10302BHBØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
13	JANM38510/10302BHCØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
14	JANM38510/10302BIAØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
15	JANM38510/10302BIBØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
16	JANM38510/10302BICØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
17	JANM38510/10302CCAØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	FP24a
18	JANM38510/10302CCBØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	FP24a
19	JANM38510/10302CCCØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049a	FP24a
20	JANM38510/10302CHAØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
21	JANM38510/10302CHBØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
22	JANM38510/10302CHCØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049b	FP2r
23	JANM38510/10302CIAØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
24	JANM38510/10302CIBØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
25	JANM38510/10302CICØ	18 §	205m	10u	3.5m§	10u§	75u§	14 Δ	100u	2.5	1.0		500u	57	60n	5C	G049	CN10e
26#	MB4002K	18	210m		6.5m	5.0u§	30u§			2.8	250m			60	15n†	07	G071	TO78
27	uA711CJ	18 §	230m	5.0u†	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40n†	07	G006	MP139b
28	uA711CL	18 §	230m	5.0u†	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40n†	07	G006	CN10q
29	uA711CN	18 §	230m	5.0u†	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40n†	07	G006	MP598
30	uA711CU	18 §	230m	5.0u†	6.0m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40n†	07	G006	Δ004AE
31	LM711CHØ	18 §♦	230m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	1.0	200 †	500u	56	40n†	07	G029	CN17j
32	LM711CNØ	18 §♦	230m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	1.0	200 †	500u	56	40n†	07	G029	MP39n
33#	SFC2711ECØ	18 §	230m	5.0u†	10m	2.5u	150u	10		2.5	0.0	200 †	500u	64 †	40n†	07	G006	TO116
34	SN72711JØ	18 §	230m	5.0u†	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40 †	5C	G006	MP139
35	SN72711LØ	18 §	230m	5.0u†	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40 †	5C	G006	TO99
36	SN72711NØ	18 §	230m	5.0u†	10m	25u	150u	10	2.5m	2.5	1.0	200 †	500u	56	40 †	5C	G006	MP39h
37	uA711DC*	18 §	230m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	1.0	200 †	500u	57	40n†	07	G006	MP486b
38	uA711HC*	18 §	230m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	1.0	200 †	500u	57	40n†	07	G006	TO100
39	uA711PC*	18 §	230m	5.0u†	10m	25u	150u	10	2.5m	4.5 †	1.0	200 †	500u	57	40n†	07	G006	MP252f
40	LM1514JØ	18 §♦	300m	3.0u†	3.0m	7.0u	45u	10	2.5m	2.5	1.0	200 †	2.8m	60	30n†	5C	G038	MP319b
41	MC1514F*	18 §	300m	3.0u§†	3.0m	7.0u	45u	10	2.5m	2.5	1.0	200 †	2.8m	60		5C	G012	FP24b
42	MC1514L*	18 §	300m	3.0u§†	3.0m	3.0u§	20u§	10		2.5	1.0	200 †	2.8m	62	40n†	5C	G012	TO116
43	RM1514DC	18 §	300m	3.0u†	3.0m	7.0m	45u	10		2.5	1.0	200 †	2.8m	63	40n†	5C	G012	MP322
44	LM1414JØ	18 §♦	300m	5.0u†	6.5m	7.5u	40u	10	2.5m	2.5	1.0	200 †	1.6m	58	30n†	07	G038	MP319b
45	LM1414NØ	18 §♦	300m	5.0u†	6.5m	7.5u	40u	10	2.5m	2.5	1.0	200 †	1.6m	58	30n†	07	G038	MP39n
46	MC1414F*	18 §	300m	5.0u§†	6.5m	7.5u	40u	10	2.5m	2.5	1.0	200 †	1.6m	60	6.0n†	07	G012	FP24b
47	MC1414L*	18 §	300m	5.0u§†	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n	07	G012	TO116
48	MC1414P*	18 §	300m	5.0u§†	6.5m	7.5u	40u	10		2.5	1.0	200 †	1.6m	60	40n	07	G012	MP307
49	RC1414D	18	300m	5.0u	6.5m	7.5u	40u	10		2.5	1.0	200	1.6m	60	40n	07	G012	MP40
50	LM161H	20			3.0m	3.0u	20u	12 Δ	200u	2.4	400m§Δ			69 †		5C	G039	CN10n
51▼	ICL8001MBH	20 §	60m	20u	4.0m	100n	250n	20		7.0	200m†		2.0m	84	250n†	5C	G085	FP60
52▼	ICL8001CBH	20 §	60m	30u	6.0m	100n	300n	20		7.0	200m†		2.0m	84	250n†	07	G085	FP60
53	SE527K	20	112m		6.0m	1.0u	4.0u	12 Δ	2.0m	2.5	500m§Δ		-40m	74	14n†	5C	G045	TO100
54	SE529K	20	112m		6.0m	9.0u	36u	12 Δ	2.0m	2.5	500m§Δ		-40m	74	10n†	5C	G046	TO100
55	LM161D	20 ♦	145m		3.0m	3.0u	20u	12 Δ	200u	2.4	400m§Δ			69 †		5C	G039	MP490
56	LM161F	20 ♦	145m		3.0m	3.0u	20u	12 Δ	200u	2.4	400m§Δ			69 †		5C	G039	FP29a
57	LM261D	20 ♦	145m		3.0m	3.0u	20u	12 Δ	200u	2.4	400m§Δ			69 †		28	G039	MP490
58	LM261H	20 ♦	145m		3.0m	3.0u	20u	12 Δ	200u	2.4	400m§Δ			69 †		28	G039	CN10n
59	LM361D	20 ♦	150m		5.0m	5.0u	30u	12 Δ	200u	2.4	400m§Δ			69 †		07	G039	MP490
60	LM361H	20 ♦	150m		5.0m	5.0u	30u	12 Δ	200u	2.4	400m§Δ			69 †		07	G039	CN10n
61	LM361N	20 ♦	150m		5.0m	5.0u	30u	12 Δ	200u	2.4	400m§Δ			69 †		07	G039	MP39n
62▼	NE527F	20	250m		10m	1.0u	4.0u	12 Δ	2.0m	2.7	500m§Δ		10m†		26n	07	G045a	MP319k
63♦	NE527K	20	250m		10m	1.0u	4.0u	12 Δ	2.0m	2.7	500m§Δ		10m†	74	26n	07	G045	TO100
64▼	NE529F	20	250m		10m	15u	50u	12 Δ	2.0m	2.7	500m§Δ		10m†		22n	07	G046a	MP319k
65♦	NE529K	20	250m		10m	15u	50u	12 Δ	2.0m	2.7	500m§Δ		10m†	74	22n	07	G046	TO100
66▼	NE529N	20	250m		10m	15u	50u	12 Δ	2.0m	2.7	500m§Δ		10m†		22n	07	G046a	MP153h
67#	SL717A*	21 §	630m		3.0m	4.0u	15u	11 †§		790mØ	2.2 †			69	10n†	07	G019	CN27b
68#	SL717C*	21 §	658m		15m	15u	30u	11 †§		790mØ	2.2 †			66	10n†	07	G019a	CN27b
69	JANM38510/10303AAA	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24
70	JANM38510/10303AAB	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24
71	JANM38510/10303AAC	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24
72	JANM38510/10303AGA	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
73	JANM38510/10303AGB	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
74	JANM38510/10303AGC	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
75	JANM38510/10303BAA	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24
76	JANM38510/10303BAB	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE [3] DRFT (V/°C)	[4] OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	TEMP / MODE (-+)	DRAWINGS CKT.	OUT-LINE Δ=MO
1	JANM38510/10303BAC	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24
2	JANM38510/10303BGA	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
3	JANM38510/10303BGB	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
4	JANM38510/10303BGC	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
5	JANM38510/10303CAA	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24
6	JANM38510/10303CAB	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24
7	JANM38510/10303CAC	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005a	FP24
8	JANM38510/10303CGA	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
9	JANM38510/10303CGB	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
10	JANM38510/10303CGC	24	160m	10u	2.0m§	3.0u§	20u§	14 Δ	100u	2.5	1.5 §Δ		100mΔ	89	60n	5C	G005	CN1k
11	LM106F883	24	160m	10u	3.0m	7.0u	45u	10	3.3m	2.5 †						5C		FP6f
12	LM106H883	24	160m	10u	3.0m	7.0u	45u	10	3.3m	2.5 †						5C		TO99
13	AMLM106	24	163m	10u	3.0m	7.0u	45u	10	3.3m	2.5	400m§Δ		100m	92 †	40n†	5C	G005	TO99
14	AMLM106F	24	163m	10u	3.0m	7.0u	45u	10	3.3m	2.5	400m§Δ		100m	92 †	40n†	5C	G005a	FP29
15	AMLM206	24	163m	10u	3.0m	7.0u	45u	10	3.3m	2.5	400m§Δ		100m	92 †	40n†	28	G005	TO99
16	LM106F	24	163m	10u	3.0m	7.0u	45u	10	3.2m	2.5	5.5 §Δ		16m	84	40n	5C	G005a	FP29a
17	LM106H	24	163m	10u	3.0m	7.0u	45u	10	3.2m	2.5	5.5 §Δ		16m	84	40n	5C	G005	CN1d
18	LM106J	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	5C	G005c	MP139b
19	LM106JG	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	5C	G005	MP401d
20	LM106L	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	5C	G005	CN1k
21	LM106U	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	5C	G005a	Δ004AA
22	LM206H	24	163m	10u	3.0m	7.0u	45u	10	3.2m	2.5	5.5 §Δ		16m	92	40n	28	G005	CN1d
23	LM206J	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	28	G005c	MP139b
24	LM206JG	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	28	G005	MP401d
25	LM206L	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	28	G005	CN1k
26	LM206N	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	28	G005c	MP598
27	LM206P	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	28	G005	MP267d
28	LM206U	24	163m	10u	3.0m	7.0u	45u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	28	G005a	Δ004AA
29	SN52106FA	24	163m	10u	3.0m	3.0u	45u	10	3.3m					92 †	40n	5C	G005a	FP22
30	SN52106J	24	163m	10u	3.0m	3.0u	45u	10	3.3m					92 †	40n	5C	G005b	TO116
31	SN52106JP	24	163m	10u	3.0m	3.0u	45u	10	3.3m					92 †	40n	5C	G005	MP383
32	SN52106L	24	163m	10u	3.0m	7.0u	45u	10	3.3m	2.5	0.0	500m	100m	92 †	25 †	5C	G005a	TO99
33	AMLM306	24	163m	20u	6.5m	7.5u	40u	10	3.3m	2.5	400m§Δ		100m	92 †	40n†	07	G005	TO99
34	LM306H	24 ♦	163m	20u	6.5m	7.5u	40u	10	3.3m	2.5	5.5 §Δ			92 †	40n†	07	G005	CN1d
35	LM306J	24	163m	20u	6.5m	7.5u	40u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	07	G005c	MP139b
36	LM306JG	24	163m	20u	6.5m	7.5u	40u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	07	G005	MP401d
37	LM306L	24	163m	20u	6.5m	7.5u	40u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	07	G005	CN1k
38	LM306N	24	163m	20u	6.5m	7.5u	40u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	07	G005c	MP598
39	LM306P	24	163m	20u	6.5m	7.5u	40u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	07	G005	MP267d
40	LM306U	24	163m	20u	6.5m	7.5u	40u	10	3.2m	5.5	400m§Δ		16m	92 †	28n†	07	G005a	Δ004AA
41	SN72306FA	24	163m	20u	6.5m	500n†	40u	10	3.3m					92 †	28n†	07	G005a	FP22
42	SN72306J	24	163m	20u	6.5m	500n†	40u	10	3.3m					92 †	28n†	07	G005b	TO116
43	SN72306L	24	163m	20u	6.5m	7.5u	40u	10	3.3m	2.5	0.0	500m	100m	92 †	40n†	07	G005	TO99
44	SN72306N	24	163m	20u	6.5m	500n†	40u	10	3.3m					92 †	28n†	07	G005b	MP39h
45	SN72306P	24	163m	20u	6.5m	7.5u	40u	10	3.3m	2.5	0.0	500m	100m	92 †	40n†	07	G005	MP267
46	SN52506FA	24	326m	10u	3.0m	3.0u	45n	10	3.3m	5.5	1.5 §Δ		100m	92 †	40n	5C	G005a	FP22
47	SN52506J	24	326m	10u	3.0m	3.0u§	45u	10	3.3m	2.5	1.5 §		100m		25n†	5C	G005b	MP139
48	TL506MJ	24 §	326m	10u	3.0m	7.0u	45u	10	3.3m	2.5	400m§Δ		16m	92	28n†	5C	G005b	MP401d
49	TL506MW	24 §	326m	10u	3.0m	7.0u	45u	10	3.3m	2.5	400m§Δ		16m	92	28n†	5C	G005b	Δ004AA
50	SN72506FA	24	326m	20u	6.5m	500n†	40n	10	3.3m	5.5	2.0 §Δ		100m	92 †	28n†	07	G005a	FP22
51	SN72506J	24	326m	20u	6.5m	5.0u§	40u	10	3.3m	2.5	2.0 §		100m		25n†	07	G005b	MP139
52	SN72506N	24	326m	20u	6.5m	5.0u§	40u	10	3.3m	2.5	2.0 §		100m		25n†	07	G005b	MP39h
53	TL506CJ	24 §	326m	20u	6.5m	7.5u	40u	10	3.3m	2.5	400m§Δ		16m	92	28n†	07	G005b	MP139b
54	TL506CN	24 §	326m	20u	6.5m	7.5u	40u	10	3.3m	2.5	400m§Δ		16m	92	28n†	07	G005b	MP598
55	TL506CW	24 §	326m	20u	6.5m	7.5u	40u	10	3.3m	2.5	400m§Δ		16m	92	28n†	07	G005b	Δ004AA
56#	M51203L	28	67m				75n	25							1.0u†	17	G075	MP534
57#	M51204L	28	67m		2.0m†		75n	25							1.0u†	17	G076	MP534
58	AD351K	30	45m†	5.0u⍁	6.0m§	100n§	4.0n⍁	20		7.0	400m	10k†	2.0m	83		5C	G017	TO100
59	AD351S	30	45m†	10u	6.0m§	100n§	750n	20		7.0	400m	10k†	2.0m	83		5C	G017	TO100
60	AD351J	30	45m†	20u⍁	6.0m§	100n§	4.0n⍁	20		7.0	400m	10k†	2.0m	83		5C	G017	TO100
61	ICL8001MTZ	30	60m	3.0u†	4.0m	100u	200u	20		7.0	200m†		2.0m	84	250n†	5C	G020	TO100
62	ICL8001CTZ	30	60m	3.0u†	6.0m	100u	300u	20		7.0	200m†		2.0m	84	250n†	07	G020	TO100
63▼	CA3290BSØ	30 ♦	90m	8.0u†	3.5m†	22n	30p§	26		36 ♦	400m§Δ		6.0m	94	200n†	5C	G086b	CN46
64▼	CA3290BTØ	30 ♦	90m	8.0u†	3.5m†	22n	30p§	26		36 ♦	400m§Δ		6.0m	94	200n†	5C	G086a	Δ002AL
65▼	CA3290AE1Ø	30 ♦	90m	8.0u†	8.5m†	28n	40p§	26		36 ♦	400m§Δ		6.0m	88	200n†	5C	G086a	Δ001AB
66▼	CA3290AEØ	30 ♦	90m	8.0u†	8.5m†	28n	40p§	26		36 ♦	400m§Δ		6.0m	88	200n†	5C	G086	MP446
67▼	CA3290ASØ	30 ♦	90m	8.0u†	8.5m†	28n	40p§	26		36 ♦	400m§Δ		6.0m	88	200n†	5C	G086b	CN46
68▼	CA3290ATØ	30 ♦	90m	8.0u†	8.5m†	28n	40p§	26		36 ♦	400m§Δ		6.0m	88	200n†	5C	G086a	Δ002AL
69▼	CA3290E1Ø	30 ♦	90m	8.0u†	8.5m†	32n	50p§	26		36 ♦	400m§Δ		6.0m	88	200n†	5C	G086a	Δ001AB
70▼	CA3290EØ	30 ♦	90m	8.0u†	8.5m†	32n	50p§	26		36 ♦	400m§Δ		6.0m	88	200n†	5C	G086	MP446
71▼	CA3290SØ	30 ♦	90m	8.0u†	8.5m†	32n	50p§	26		36 ♦	400m§Δ		6.0m	88	200n†	5C	G086b	CN46
72▼	CA3290TØ	30 ♦	90m	8.0u†	8.5m†	32n	50p§	26		36 ♦	400m§Δ		6.0m	88	200n†	5C	G086a	Δ002AL
73♦	L161AL*	30	105m		6.0m	60n§	400n§	28 §		14	14			86	5.0u	5C	G073	FP44
74♦	L161AP*	30	105m		6.0m	60n§	400n§	28 §		14	14			86	5.0u	5C	G073	MP606
75♦	L161BL*	30	105m		6.0m§	90n§	600n§	28 §		14	14			84	5.0u	28	G073	FP44
76♦	L161BP*	30	105m		6.0m§	90n§	600n§	28 §		14	14			84	5.0u	28	G073	MP606
77♦	L161CJ*	30	105m		6.0m§	90n§	600n§	28 §		14	14			84	5.0u	07	G073	MP605
78	uA734DM	30	105m	15u	4.0m	20n	150n	20		7.0	400m§Δ		3.2m	91	200n†	5C	G041	MP486b
79	uA734HM	30	105m	15u	4.0m	20n	150n	20		7.0	400m§Δ		3.2m	91	200n†	5C	G041	TO100
80	uA734DC	30	105m	20u	7.5m	45n	150n	20		7.0	400m§Δ		3.2m	91	200n†	07	G041	MP486b
81	uA734HC	30	105m	20u	7.5m	45n	150n	20		7.0	400m§Δ		3.2m	91	200n†	07	G041	TO100
82	350C	30	105m	25u	2.0mΔ	10p§	30p§	20		10	10	100	7.0m	94	100u	28		MP5ab
83	350B	30	105m	40u	2.0mΔ	10p§	30p§	20		10	10	100	7.0m	94	100u	28		MP5ab
84	350A	30	105m	75u	2.0mΔ	10p§	50p§	20		10	10	100	7.0m	94	100u	28		MP5ab
85	AM1500DL	30	129m		4.0m	20n	150n	26						106 †	150n†	28	G018	MP437
86	AM1500DM	30	129m		4.0m	20n	150n	26						106 †	150n†	5C	G018	MP437
87	AM1500FM	30	129m		4.0m	20n	150n	26						106 †	150n†	5C	G018	FP19
88	CMP01J	30	153m	1.0u†	2.8m	80n	1.4u	25		2.4	3.2 †§		75mΔ	106	180n	5C	G052	TO99
89	CMP01Y	30	153m	1.0u†	2.8m	80n	1.4u	25		2.4	3.2 †§		75mΔ	106	180n	5C	G052a	MP14ak
90	CMP01EJ	30	153m	1.5u†	1.4m	45n	950n	25		2.4	3.2 †§		75mΔ	106	180n	07	G052	TO99
91	CMP01EY	30	153m	1.5u†	1.4m	45n	950n	25		2.4	3.2 †§		75mΔ	106	180n	07	G052a	MP14ak
92	CMP02EJ	30	153m	1.5u†	1.4m	6.0n	80n	25		2.4	3.2 †§		75mΔ	106	180n	07	G052	TO99
93	CMP02EY	30	153m	1.5u†	1.4m	6.0n	80n	25		2.4	3.2 †§		75mΔ	106	270n	07	G052a	MP14ak
94	CMP02J	30	153m	1.5u†	1.6m	12n	120n	25		2.4	3.2 †§		75mΔ	106	270n	5C	G052	TO99
95	CMP02Y	30	153m	1.5u†	1.6m	12n	120n	25		2.4	3.2 †§		75mΔ	106	270n	5C	G052a	MP14ak
96	AMLM111	30	157m		4.0m	20n	150n	26						106 †	150n†	5C	G018	TO99
97	AMLM111D	30	157m		4.0m	20n	150n	26						106 †	150n†	5C	G018	MP14ad
98	AMLM111F	30	157m		4.0m	20n	150n	26						106 †	150n†	5C	G018	FP18
99	AMLM211	30	157m		4.0m	20n	150n	26						106 †	150n†	28	G018	TO99
100	AMLM211D	30	157m		4.0m	20n	150n	26						106 †	150n†	28	G018	MP14ad

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	[5] TYPE No.	PWR SUP@25°C RATED SPECS [1] TOT. VOLT (ΔV)	[2] MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE [3] DRFT (V/°C)	[4] OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	CMP01CJ	30	161m	1.8u†	3.5m	120n	1.2u	25		2.4	3.4 †§		75mΔ	100	180n	07	G052	TO99
2	CMP01CY	30	161m	1.8u†	3.5m	120n	1.2u	25		2.4	3.4 †§		75mΔ	100	180n	07	G052a	MP14ak
3	CMP02CJ	30	161m	1.8u†	3.5m	25n	160n	25		2.4	3.4 †§		75mΔ	100	270n	07	G052	TO99
4	CMP02CY	30	161m	1.8u†	3.5m	25n	160n	25		2.4	3.4 †§		75mΔ	100	270n	07	G052a	MP14ak
5	CA111G	30	165m		4.0m	20n	150n	28 †	3.0m†	15 †	15 †			106 †	200n†	5C	G016	MP446
6	CA111S	30	165m		4.0m	20n	150n	28 †	3.0m†	15 †	15 †			106 †	200m†	5C	G016	CN46
7	CA111T	30	165m		4.0m	20n	150n	28 †	3.0m†	15 †	15 †			106 †	200m†	5C	G016	Δ002AL
8	CA211G	30	165m		4.0m	20n	150n	28 †	3.0m†	15 †	15 †			106 †	200n†	28	G016	MP446
9	CA211S	30	165m		4.0m	20n	150n	28 †	3.0m†	15 †	15 †			106 †	200m†	28	G016	CN46
10	CA211T	30	165m		4.0m	20n	150n	28 †	3.0m†	15 †	15 †			106 †	200m†	28	G016	Δ002AL
11	LH2111DØ	30	165m		4.0m	20n	150n	28	3.0m†					106 †	200n†	5C	G034	MP230b
12	LH2111FØ	30	165m		4.0m	20n	150n	28	3.0m†					106 †	200n†	5C	G034	FP28a
13♦	LH2111F☒*	30	165m†		4.0m	20n	150n	28 †	3.0m†	35 ♦	1.5 Δ§		50m	106 †	200n†	5C	G016d	MP548a
14	LH2211DØ	30	165m		4.0m	20n	150n	28	3.0m†					106 †	200n†	28	G034	MP230b
15	LH2211FØ	30	165m		4.0m	20n	150n	28	3.0m†					106 †	200n†	28	G034	FP28a
16♦	LH2211F☒*	30	165m†		4.0m	20n	150n	28 †	3.0m†	35 ♦	1.5 Δ§		50m	106 †	200n†	28	G016d	MP548a
17	LM111D	30	165m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	5C	G056c	MP490
18♦	LM111DE	30	165m		4.0m	20n	150n	28	3.0m†	35 ♦	1.5 §Δ		50m	106	200n	5C	G056a	MP401j
19♦	LM111F	30	165m		4.0m	20n	150n	28	3.0m†	35 ♦	1.5 §Δ		50m	106	200n	5C	G056a	FP2z
20▼	LM111F☒	30	165m		4.0m	20n	150n	28 †	3.0m†	35 ♦	1.5 Δ§		50m	106 †	200n†	5C	G016a	MP319k
21	LM111H03	30	165m		4.0m	20u	150u	28	3.0m†					106	200n†	5C	G056a	CN1d
22	LM111H	30	165m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	5C	G056a	CN1d
23	LM111J	30	165m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	5C	G056	TO116
24	LM111JG	30	165m		4.0m	20m	150n	28 †	3.0m	35 †	400m§Δ		8.0m	106 †	115n†	5C	G016	MP401d
25	LM111L	30	165m		4.0m	20m	150n	28 †	3.0m	35 †	400m§Δ		8.0m	106 †	115n†	5C	G016	CN1k
26♦	LM111T	30	165m		4.0m	20n	150n	28 †	3.0m†	35 ♦	1.5 Δ§		50m	106 †	200n†	5C	G016b	CN1g
27	LM111U	30	165m		4.0m	20m	150n	28 †	3.0m	35 †	400m§Δ		8.0m	106 †	115n†	5C	G016	Δ004AE
28	LM211D	30	165m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	28	G056c	MP490
29▼	LM211DE	30	165m		4.0m	20n	150n	28	3.0m†	35 ♦	1.5 §Δ		50m	106	200n	28	G056a	MP401j
30	LM211F	30	165m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	28	G056b	FP37
31▼	LM211F☒	30	165m		4.0m	20n	150n	28 †	3.0m†	35 ♦	1.5 Δ§		50m	106 †	200n†	28	G016a	MP319k
32	LM211H	30	165m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	28	G056a	CN1d
33	LM211J	30	165m		4.0m	20n	150n	28 †	3.0m†					106 †	200n†	28	G056c	TO116
34▼	LM211N	30	165m		4.0m	20n	150n	28 †	3.0m†	35 ♦	1.5 Δ§		50m	106 †	200n†	28	G016c	MP549a
35▼	LM211N-14	30	165m		4.0m	20n	150n	28 †	3.0m†	35 ♦	1.5 Δ§		50m	106 †	200n†	28	G016a	MP153h
36♦	LM211T	30	165m		4.0m	20n	150n	28 †	3.0m†	35 ♦	1.5 Δ§		50m	106 †	200n†	28	G016b	CN1g
37	MLM111G	30	165m		4.0m	20n	150n	28 †	3.0m†	750m†	1.5 §Δ			106	200n†	5C	G055a	CN1k
38	MLM211G	30	165m		4.0m	20n	150n	28 †	3.0m†	750m†	1.5 §Δ			106	200n†	28	G055a	CN1k
39	SG111J	30	165m		4.0m	20n	150n	28 †	3.0m†	1.5			50m	106 †	200n†	5C	G031	TO116
40	SG111T	30	165m		4.0m	20n	150n	28 †	3.0m†	1.5			50m	106 †	200n†	5C	G031	TO99
41	SG211J	30	165m		4.0m	20n	150n	28 †	3.0m†	1.5			50m	106 †	200n†	28	G031	TO116
42	SG211M	30	165m		4.0m	20n	150n	28 †	3.0m†	1.5			50m	106 †	200n†	28	G031	MP189a
43	SG211T	30	165m		4.0m	20n	150n	28 †	3.0m†	1.5			50m	106 †	200n†	28	G031	TO99
44	SN52111FA	30	165m		4.0m	20n	150n	28 †	3.0m†	35 †	1.5 §Δ		50m	126 †	115n†	5C	G016	FP2t
45	SN52111J	30	165m		4.0m	20n	150n	28 †	3.0m†	35 †	1.5 §Δ		50m	126 †	115n†	5C	G016	TO116
46	SN52111JP	30	165m		4.0m	20n	150n	28 †	3.0m†	35 †	1.5 §Δ		50m	126 †	115n†	5C	G016	MP383
47	SN52111L	30	165m		4.0m	20n	150n	28 †	3.0m†	35 †	1.5 §Δ		50m	126 †	115n†	5C	G016	TO99
48	LF111D	30	165m		6.0m	3.0n	7.0n	27 †	3.0m†					106 †	200n†	5C	G016	MP490
49	LF111F	30	165m		6.0m	3.0n	7.0n	27 †	3.0m†					106 †	200n†	5C	G016	FP37
50	LF111H	30	165m		6.0m	3.0n	7.0n	27 †	3.0m†					106 †	200n†	5C	G016	CN1d
51	LF211D	30	165m		6.0m	3.0n	7.0n	27 †	3.0m†					106 †	200n†	28	G016	MP490
52	LF211F	30	165m		6.0m	3.0n	7.0n	27 †	3.0m†					106 †	200n†	28	G016	FP37
53	LF211H	30	165m		6.0m	3.0n	7.0n	27 †	3.0m†					106 †	200n†	28	G016	CN1d
54	uAF111DM	30	165m		6.0m	25p	50p	27 †	3.0m					106 †	200n†	5C	G061	MP486b
55	uAF111HM	30	165m		6.0m	25p	50p	27 †	3.0m					106 †	200n†	5C	G061	CN1d
56	JANM38510/10304ACA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315
57	JANM38510/10304ACB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315
58	JANM38510/10304ACC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315
59	JANM38510/10304AGA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050	CN1k
60	JANM38510/10304AGB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050	CN1k
61	JANM38510/10304AGC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050	CN1k
62	JANM38510/10304AHA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050a	FP31
63	JANM38510/10304AHB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050a	FP31
64	JANM38510/10304AHC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050a	FP31
65	JANM38510/10304APA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050c	MP694
66	JANM38510/10304APB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050c	MP694
67	JANM38510/10304APC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050c	MP694
68	JANM38510/10304BCA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315
69	JANM38510/10304BCB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315
70	JANM38510/10304BCC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315
71	JANM38510/10304BGA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050	CN1k
72	JANM38510/10304BGB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050	CN1k
73	JANM38510/10304BGC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050	CN1k
74	JANM38510/10304BHA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050a	FP31
75	JANM38510/10304BHB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050a	FP31
76	JANM38510/10304BHC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050a	FP31
77	JANM38510/10304BPA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050c	MP694
78	JANM38510/10304BPB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050c	MP694
79	JANM38510/10304BPC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050c	MP694
80	JANM38510/10304CCA	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315
81	JANM38510/10304CCB	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315
82	JANM38510/10304CCC	30	165m	25u	3.0m	20n	200n	30 Δ	3.0m	32 ♦	1.5 §Δ		50mΔ	98	300n	5C	G050b	MP315

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE 3 DRFT (V/°C)	4 OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	T C E O M D P E -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	JANM38510/10304CGA	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050	CN1k
2	JANM38510/10304CGB	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050	CN1k
3	JANM38510/10304CGC	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050	CN1k
4	JANM38510/10304CHA	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050a	FP31
5	JANM38510/10304CHB	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050a	FP31
6	JANM38510/10304CHC	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050a	FP31
7	JANM38510/10304CPA	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050c	MP694
8	JANM38510/10304CPB	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050c	MP694
9	JANM38510/10304CPC	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050c	MP694
10	JANM38510/10305AEAØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
11	JANM38510/10305AEBØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
12	JANM38510/10305AECØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
13	JANM38510/10305AFAØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
14	JANM38510/10305AFBØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
15	JANM38510/10305AFCØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
16	JANM38510/10305BEAØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
17	JANM38510/10305BEBØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
18	JANM38510/10305BECØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
19	JANM38510/10305BFAØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
20	JANM38510/10305BFBØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
21	JANM38510/10305BFCØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
22	JANM38510/10305CEAØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
23	JANM38510/10305CEBØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
24	JANM38510/10305CECØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	MP580
25	JANM38510/10305CFAØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
26	JANM38510/10305CFBØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
27	JANM38510/10305CFCØ	30	165m	25u	3.0m	20n	200n	30 △	3.0m	32 ♦	1.5 §△		50m△	98	300n	5C	G050d	FP43
28▼	uA111HM	30	165m	6.0m	25p	50p	27 †	3.0m						106	200n	5C	G061	CN1d
29▼	uA111RC	30	165m	6.0m	25p	50p	27 †	3.0m						106	200n	28	G061	MP486b
30▼	uA111RM	30	165m	6.0m	25p	50p	27 †	3.0m						106	200n	5C	G061	MP486b
31	uPC271C	30	187m		7.5m§	50n§	250n§	28 †					8.0m	106	200n†	27	G016	MP189a
32	uPC271D	30	187m		7.5m§	50n§	250n§	28 †					8.0m	106	200n†	28	G016	MP522a
33	uPC311C	30	187m		7.5m§	50n§	250n§	28 †					8.0m	106	200n†	07	G016	MP189a
34	CA311E	30	187m		10m	70n	300n	28 †	3.0m†	15 †	15 †			106 †	200n†	07	G016	MP446
35	CA311G	30	187m		10m	70n	300n	28 †	3.0m†	15 †	15 †			106 †	200n†	07	G016	MP446
36	CA311H	30	187m		10m	70n	300n	28 †	3.0m†	15 †	15 †			106 †	200n†	07	G016	CH35
37	CA311S	30	187m		10m	70n	300n	28 †	3.0m†	15 †	15 †			106 †	200m†	07	G016	CN46
38	CA311T	30	187m		10m	70n	300n	28 †	3.0m†	15 †	15 †			106 †	200m†	07	G016	△002AL
39	LH2311DØ	30	187m		10m	70n	300n	28	3.0m†					106 †	200n†	07	G034	MP230b
40	LH2311FØ	30	187m		10m	70n	300n	28	3.0m†					106 †	200n†	07	G034	FP28a
41♦	LH2311F☐*	30	187m†		10m	70n	300n	28 †	3.0m†	35 ♦	1.5 △§		50m	106 †	200n†	07	G016d	MP548a
42	LM311D	30	187m		10m	70n	300n	28 †	3.0m†					106 †	200n†	07	G056c	MP490
43▼	LM311DE	30	187m		10m	70n	300n	28 †	3.0m†	35 ♦	1.5 §△		50m	106 †	200n†	07	G056a	MP401j
44♦	LM311F	30	187m		10m	70n	300n	28 †	3.0m†	35 ♦	1.5 △§		50m	106 †	200n†	07	G016a	MP319k
45	LM311H	30	187m		10m	70n	300n	28 †	3.0m†					106 †	200n†	07	G056a	CN1d
46	LM311J8	30	187m		10m	70n	300n	8 †	3.0m†		250m†§			106 †	200n†	07	G056a	MP659
47	LM311J	30	187m		10m	70n	300n	28 †	3.0m†					106 †	200n†	07	G056c	TO116
48	LM311JG	30	187m		10m	70n	300n	28 †	3.0m	35 †	400m§△		8.0m	106 †	115n†	07	G016	MP401d
49	LM311L	30	187m		10m	70n	300n	28 †	3.0m	35 †	400m§△		8.0m	106 †	115n†	07	G016	CN1k
50	LM311N14	30	187m		10m	70n	300n	28 †	3.0m†					106 †	200n†	07	G056c	MP39n
51♦	LM311N	30	187m		10m	70n	300n	28 †	3.0m†					106 †	200n†	07	G056a	MP491
52▼	LM311N☐	30	187m†		10m	70n	300n	28 †	3.0m†	35 ♦	1.5 △§		50m	106 †	200n†	07	G016c	MP549a
53▼	LM311N-14	30	187m†		10m	70n	300n	28 †	3.0m†	35 ♦	1.5 △§		50m	106 †	200n†	07	G016a	MP153h
54	LM311P	30	187m		10m	70n	300n	28 †△	3.0m†				200p†	106	200n†	07	G016	MP39k
55♦	LM311T	30	187m		10m	70n	300n	28 †	3.0m†	35 ♦	1.5 △§		50m	106 †	200n†	07	G016b	CN1g
56	LM311U	30	187m		10m	70n	300n	28 †	3.0m	35 †	400m§△		8.0m	106 †	115n†	07	G016	△004AE
57	LM311V	30	187m		10m	70n	300n	28	3.0m†				8.0m	106 †	200n†	07	G016	MP189
58	MLM311G	30	187m		10m	70n	300n	28 †	3.0m†	750m†	1.5 §△			106	200n†	07	G055a	CN1k
59	MLM311P1	30	187m		10m	70n	300n	28 †	3.0m†	750m†	1.5 §△			106	200n†	07	G055a	MP161a
60	SN72311FA	30	187m		10m	70n	300n	28 †	3.0m†	35 †	1.5 §△		50m	126 †	115n†	07	G016	FP2t
61	SN72311J	30	187m		10m	70n	300n	28 †	3.0m†	35 †	1.5 §△		50m	126 †	115n†	07	G016	TO116
62	SN72311L	30	187m		10m	70n	300n	28 †	3.0m†	35 †	1.5 §△		50m	126 †	115n†	07	G016	TO99
63	SN72311N	30	187m		10m	70n	300n	28 †	3.0m†	35 †	1.5 §△		50m	126 †	115n†	07	G016	MP39h
64	SN72311P	30	187m		10m	70n	300n	28 †	3.0m†	35 †	1.5 §△		50m	126 †	115n†	07	G016	MP267
65	uA311HC	30	187m		10m	70n	300n	28 †	3.0m†				8.0m	86 †	200n†	07	G056a	CN1d
66	uA311RC	30	187m		10m	70n	300n	28 †	3.0m†				8.0m	86 †	200n†	07	G056c	MP487
67	uA311TC	30	187m		10m	70n	300n	28 †	3.0m†				8.0m	86 †	200n†	07	G056c	MP487
68	LF311D	30	187m		15m	1.0n	3.0n	27 †	3.0m†					106 †	200n	07	G016	MP490
69	LF311F	30	187m		15m	1.0n	3.0n	27 †	3.0m†					106 †	200n	07	G016	FP37
70	LF311H	30	187m		15m	1.0n	3.0n	27 †	3.0m†					106 †	200n	07	G016	CN1d
71	AM1500DC	30	189m		10m	70n	300n	26						106 †	150n†	07	G018	MP437
72	AMLM311	30	189m		10m	70n	300n	26						106 †	150n†	07	G018	TO99
73	AMLM311D	30	189m		10m	70n	300n	26						106 †	150n†	07	G018	MP14ad
74	uAF311DC	30	189m		10m	75p	150p	27 †	3.0m					106 †	200n†	07	G061	MP486b
75	uAF311HC	30	189m		10m	75p	150p	27 †	3.0m					106 †	200n†	07	G061	CN1d
76	SG311J	30	225m		10m	70n	300n	28 †	3.0m†	1.5			50m	106 †	200n†	07	G031	TO116
77	SG311M	30	225m		10m	70n	300n	28 †	3.0m†	1.5			50m	106 †	200n†	07	G031	MP189a
78	SG311T	30	225m		10m	70n	300n	28 †	3.0m†	1.5			50m	106 †	200n†	07	G031	TO99
79	AMLM119D	30	240m		7.0m	100n	1.0u	26					3.2m	80	130n	5C	G035	
80	AMLM119F	30	240m		7.0m	100n	1.0u	26					3.2m	80	130n	5C	G035	
81	AMLM119H	30	240m		7.0m	100n	1.0u	26					3.2m	80	130n	5C	G035	
82	AMLM219D	30	240m		7.0m	100n	1.0u	26					3.2m	80	130n	28	G035	
83	AMLM219H	30	240m		7.0m	100n	1.0u	26					3.2m	80	130n	28	G035	

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

9. VOLTAGE COMPARATORS

IN ORDER OF (1)TOTAL VOLT (2)MAX IDLE POWER (3)MAX VOLT DRIFT (4)MAX OFFSET VOLT (5)TYPE

LINE No.	5 TYPE No.	PWR SUP@25°C RATED SPECS 1 TOT. VOLT (ΔV)	2 MAX IDLE P (W)	INPUT CHARACTERISTICS OVER OPERATING TEMP. RANGE MAX. VOLTAGE 3 DRFT (V/°C)	4 OFSET (V)	MAX CURRENT OFFSET (A)	BIAS (A)	@25°C MIN CM RANGE (ΔV)	STROBE CUR-MAX (A)	OUTPUT CHAR. @ 25°C MIN. OUTPUT VOLTAGE POS (V)	NEG (V)	MAX. OUT RES. (Ω)	MIN. CURR SINK (A)	W/C TRANSFER CHAR. @25°C VOLT. GAIN (dB)	RESP. TIME (s)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO
1	LM119D883	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	MP148
2	LM119D	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	80n†	5C	G035	MP490
3	LM119F883	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	FP18
4	LM119F	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	80n†	5C	G035	FP37
5▼	LM119F⧄Ø	30	240m		7.0m	100n	1.0u	26 †		35 ♦	1.5 Δ§		25m	80	80n†	5C	G035	MP319k
6	LM119H883	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	130n	5C	G035	CN10e
7	LM119H	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	80n†	5C	G035	CN10n
8	LM119JØ	30	240m		7.0m	100n	1.0u	26 †			230m†§		3.2m	80	80n†	5C	G035	MP319b
9▼	LM119KØ	30	240m		7.0m	100n	1.0u	26 †		35 ♦	1.5 Δ§		25m	80	80n†	5C	G035	TO100
10▼	LM119N	30	240m		7.0m	100n	1.0u	26 †		35 ♦	1.5 Δ§		25m	80	80n†	5C	G035	MP153h
11	LM219D	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	80n†	28	G035	MP490
12	LM219F	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	80n†	28	G035	FP37
13▼	LM219F⧄Ø	30	240m		7.0m	100n	1.0u	26 †		35 ♦	1.5 Δ§		25m	80	80n†	28	G035	MP319k
14	LM219H	30	240m		7.0m	100n	1.0u	26 †					3.2m	80	80n†	28	G035	CN10n
15	LM219JØ	30	240m		7.0m	100n	1.0u	26 †			230m†§		3.2m	80	80n†	28	G035	MP319b
16▼	LM219KØ	30	240m		7.0m	100n	1.0u	26 †		35 ♦	1.5 Δ§		25m	80	80n†	28	G035	TO100
17▼	LM219N	30	240m		7.0m	100n	1.0u	26 †		35 ♦	1.5 Δ§		25m	80	80n†	28	G035	MP153h
18	AMLM319D	30	262m		10m	300n	1.2u	26					3.2m	78	130n	07	G037	
19	AMLM319H	30	262m		10m	300n	1.2u	26					3.2m	78	130n	07	G037	
20	AMLM319N	30	262m		10m	300n	1.2u	26					3.2m	78	130n	07	G037	
21	LM319D	30	262m		10m	300n	1.2u	26 †					3.2m	78	80n†	07	G037	MP490
22	LM319FØ	30	262m		10m	300n	1.2u	26 †			230m†§		3.2m	92	80n†	07	G035	FP37
23▼	LM319F⧄Ø	30	262m		10m	300n	1.2u	26 †		35 ♦	1.5 Δ§		25m	78	80n†	07	G035	MP319k
24	LM319H	30	262m		10m	300n	1.2u	26 †					3.2m	78	80n†	07	G037	CN10n
25	LM319JØ	30	262m		10m	300n	1.2u	26 †			230m†§		3.2m	92	80n†	07	G035	MP319b
26▼	LM319KØ	30	262m		10m	300n	1.2u	26 †		35 ♦	1.5 Δ§		25m	78	80n†	07	G035	TO100
27	LM319N	30	262m		10m	300n	1.2u	26 †					3.2m	78	80n†	07	G037	MP39n
28#	TDA0319DØ	30	262m		10m	300n	1.2u	26					25m†	78	80n†	28	G081	FP51
29	HA1-4900-2*	30	280m		3.0m§	25n§	75n§	27 §		3.5	200m†§		3.5m	112	180n†	5C	G074	MP437d
30	HA1-4900-8*	30	280m		3.0m§	25n§	75n§	27 §		3.5	200m†§		3.5m	112	180n†	5C	G074	MP437d
31	HA1-4905-5*	30	327m		7.5m§	50n§	150n§	15		3.5	200m†§		3.5m	112	180n†	07	G074	MP437d
32	HA1-4905-6*	30	327m		7.5m§	50n§	150n§	15		3.5	200m†§		3.5m	112	180n†	07	G074	CH36
33	4082-03	30	360m		12m	80n	700n	20		40	0.0	3.0 †	100m		7.0u	28		MP310a
34	4032-12C	30	360m		20m	80n	700n	20		40	0.0	3.0 †	100m		2.0m	28		MP5bz
35	9050	30	360m	100u	20mΔ	20u	50u	2.0		10	700m	100	10m	60	5.0n	58		MP268
36	AD111	30	500m⧄		4.0m	20n	150n	30	3.0m	0.0 †	5.0 †		200p†	106	200n	5C		TO99
37	AD211	30	500m⧄		4.0m	20n	150n	30	3.0m	0.0 †	5.0 †		200p†	106	200n	28		TO99
38	SG111M	30	500m†		4.0m	20n	150n	28 †						106 †	200n	28	G031	MP189a
39	AD311#1	30	500m⧄		10m	70n	300n	30	3.0m	0.0 †	5.0 †		200p†	106	200n	07		TO99
40	AD311#2	30	500m⧄		10m	70n	300n	30	3.0m	0.0 †	5.0 †		200p†	106	200n	07		MP189
41	RM106BL	30	600m⧄	10u	3.0m	7.0u	20u	10	3.2m	2.5				92 †	28n†	5C	G054	CH27
42	RC106BL	30	600m⧄	20u	6.5m	7.5u	25u	10	3.2m	2.5				92 †	28n†	07	G054	CH27
43	LM529H	32	140m		3.0m	3.0u	20u	12	1.6m			100 †	20mΔ	70	14n†§	5C		CN10e
44	LM529CH	32	140m		5.0m	5.0u	30u	12	1.6m			100 †	20mΔ	70	14n†§	07		CN10e
45	LM529CN	32	140m		5.0m	5.0u	30u	12	1.6m			100 †	20mΔ	70	14n†§	07		MP39n
46#	SFC2111M	36	135m		3.0m	10n	100n	28						106	200n	5C	G016	TO99
47#	SFC2211	36	135m		3.0m	10n	100n	28						106	200n	28	G016	TO99
48#	SFC2311	36	135m		7.5m	50n	250n	28						106	200n	07	G016	TO99
49#	SFC2311DC	36	135m		7.5m	50n	250n	28						106	200n	07		MP48
50#	SFC2311EC	36	135m		7.5m	50n	250n	28						106	200n	07		TO116
51	770-724	48	480m	50u	500uΔ	50n	600n	12		12	0.0	1.0k		100	1.0uØ			MP105

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE (3) MAX IDLE POWER & (4) TYPE No.

LINE No.	[4] TYPE No.	[1] USE	PWR SUP @25°C RATED SPECS [2] TOT. VOLT. (ΔV)	[3] MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPEDANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1♦	T100NYFC	1	1.3 §	180m⧄	200M		1.5k		28	Z801	TO72	Preamplifier for Transducer;THD 1.0%
2♦	T300NYFA	1	1.3 §	180m⧄	200M		500		28	Z801	TO72	Preamplifier for Transducer;THD 1.0%
3♦#	TAA960§	1	6.0 §	250m	25k	400m†	9.0k†	400m†	56	Z115	CN8h	Tri-Amp for Filter;Gv 39dB†;Ro 9.0k†;THD 2.0%
4	NC260	1	12	150m	300k	15	25	16	5C	Z004	CN17a	Gv .95*;BW 20MHz*;RL 1.0kΩ†.
5	PC260	1	12	150m	300k	15	25	16	5C	Z004	FP7a	Gv .95*;BW 20MHz*;RL 1.0kΩ†.
6	9911	1	15	1.0m	3.0k	20m*	6.0	10 †	6C		MP520a	Current Booster;Gv 970mVtyp;SR±1.0kV/us min
7	280-1	1	15	75m		12 Δ	1.0		28	Z532	MP5cq	Used With 279J.
8#	TDA1029	1	20	50m		20 Δ	500 †	19	38	Z837	MP545d	Dual Volt Foll With 4 Electr Selected Inputs Each
9	HEPC6073P-RT	1	22	2.0			700m†		27	Z371	MP403	Audio Power Amp w/Preamplifier;VS Range 18-32Vdc.
10	HIC037	1	24	240m	180k		10	20	5C	Z003	CN1m	3dB BW 30MHz*;THD .1%;Icc ±10mA.
11	HX0002	1	24	240m	180k	100 *	10	20	5C	Z003	CN11c	BW 30MHz;Gv .95.
12	HX0002C	1	24	240m	180k	100 *	10	20	07	Z003	CN11c	BW 30MHz;Gv .95.
13	LH0002CH	1	24 ♦	240m	180k	24	10	20	08	Z003	CN1d	Bandwidth 30MHz min;GV .95;RL 1.0kΩ†.
14	LH0002CN	1	24 ♦	240m	180k	24	10	20	08	Z003	MP349	Bandwith 30MHz min;GV .95;RL 1.0kΩ†.
15	LH0002H	1	24 ♦	240m	180k	24	10	20	5C	Z003	CN1d	Bandwith 30MHz min;GV .95;RL 1.0kΩ†.
16	NH0002-883	1	24	240m	180k	100 *	10	20	5C	Z003	CN11c	BW 30Hz*;Rl 1.0ΩΔ;Gv .95*.
17	NC0002	1	24	600m	180k	24	10	20	5C	Z003	CN1k	Gv .95*;BW 30MHz*;RL 1.0kΩ†.
18	NC0002C	1	24	600m	180k	24	10	20	07	Z003	CN1k	Gv .95*;BW 30MHz*;RL 1.0kΩ†.
19	HA2-2000	1	30	51m	1.0T†	20		20	5C	Z287	TO99	FET Preamp;BW 3db 10MHz;InpVos 25mV;tr 50ns.
20	HA2-2000A	1	30	51m	1.0T†	20		20	5C	Z287	TO99	FET Preamp;BW 3db 10MHz;InpVos 12mV;tr 50ns.
21	HA2-2005	1	30	51m	1.0T†	20		20	07	Z287	TO99	FET Preamp;BW 3db 10MHz;InpVos 25mV;tr 50ns.
22	HA2-2005A	1	30	51m	1.0T†	20		20	07	Z287	TO99	FET Preamp;BW 3db 10MHz;InpVos 12mV;tr 50ns.
23#	TCA410A	1	30	99m		30	1.0 †	25	27	Z314	TO72	Voltage Follower.
24#	TCA410B	1	30	99m		30	1.0 †	25	27	Z314	TO72	Voltage Follower.
25#	TCA410D	1	30	99m		30	1.0 †	25	27	Z314a	MP546	Voltage Follower;Gv .997Δ;Vos 10mVΔ.
26	B10	1	30	120m†		30 Δ		20	06		MP5ac	Booster Amp;Gv .95V/V;BW 6.0M;SR 40V/uS*.
27	LM102H	1	30	120m	10G	30 Δ	2.5	20	5C	A002	TO99	GV .999*;SR 10V/us*;RL 10kΩ.
28	9910	1	30	150m	1.0M	24	20	20	5C		MP⧄	Current Booster;GV .97;SR ±2.0kV/us*.
29	AMLM110	1	30	165m	10G	30 Δ	2.5	20	5C	Z239	TO99	Volt.Follower;Gv.999;Vos6.0mVΔ;TC 12uV/°C;SR30V/us
30	AMLM110D	1	30	165m	10G	30 Δ	2.5	20	5C	Z239	MP14ad	Volt.Follower;Gv.999;Vos6.0mVΔ;TC 12uV/°C;SR30V/us
31	AMLM110F	1	30	165m	10G	30 Δ	2.5	20	5C	Z239	FP18	Volt.Follower;Gv.999;Vos6.0mVΔ;TC 12uV/°C;SR30V/us
32	AMLM210	1	30	165m	10G	30 Δ	2.5	20	28	Z239	TO99	Volt.Follower;Gv.999;Vos6.0mVΔ;TC 12uV/°C;SR30V/us
33	AMLM210D	1	30	165m	10G	30 Δ	2.5	20	28	Z239	MP14ad	Volt.Follower;Gv.999;Vos6.0mVΔ;TC 12uV/°C;SR30V/us
34	AMLM310	1	30	165m	10G	30 Δ	2.5	20	07	Z239	TO99	Volt.Follower;Gv .999;Vos 10mVΔ;TC10uV/°C;SR30V/us
35	AMLM310D	1	30	165m	10G	30 Δ	2.5	20	07	Z239	MP14ad	Volt.Follower;Gv .999;Vos 10mVΔ;TC10uV/°C;SR30V/us
36	LM102F	1	30	165m	10G	30 Δ	2.5	20	5C	A122	FP2m	Gv .999*;SR 10V/us*;RL 10kΩ.
37	LM202H	1	30	165m	10G	30 Δ	2.5	20	28	A002	CN1d	GV .999*;SR 10V/us*;RL 8kΩ.
38	LM302H	1	30	165m	10G		2.5		07	A002	CN1d	GV.9985* FP BW SR 10V/US† RL8kΩ.
39	9905	1	30	240m	100G	20	10	20	6C		MP316	Voltage Follower;GV .97;SR ±1.0kV/us*.
40	9746	1	30	300m	100G	20	30	20	5A		MP86a	Gv 1.0;BW 30MHz;SR 600V/us;ΔIO 100mA.
41	LH2110D	1	30	330m	10G	30 Δ	2.5	20	5C	Z274	MP230b	Inp Vos 6.0mVΔ;Gv .999V/V*;Inp. BiasI 10nAΔ.
42	LH2110F	1	30	330m	10G	30 Δ	2.5	20	5C	Z274	FP28a	Inp Vos 6.0mVΔ;Gv .999V/V*;Inp. BiasI 10nAΔ.
43	LH2210D	1	30	330m	10G	30 Δ	2.5	20	28	Z274	MP230b	Inp Vos 6.0mVΔ;Gv .999V/V*;Inp. BiasI 10nAΔ.
44	LH2210F	1	30	330m	10G	30 Δ	2.5	20	28	Z274	FP28a	Inp Vos 6.0mVΔ;Gv .999V/V*;Inp. BiasI 10nAΔ.
45	LH2310D	1	30	330m	10G	30 Δ	2.5	20	07	Z274	MP230b	Inp Vos 10mVΔ;Gv .999V/V*;Inp. BiasI 10nAΔ.
46	LH2310F	1	30	330m	10G	30 Δ	2.5	20	07	Z274	FP28a	Inp Vos 10mVΔ;Gv .999V/V*;Inp. BiasI 10nAΔ.
47	3329/03	1	30	450m	100k†	20	10 †	20	48		MP119	Gv 1.0V†;FPBW 500kHz*;Rl 100mΩ.
48	MC1438R	1	30	450m	400k†	18	10 †	22	07	Z037	CN30	Gv 850mV*;BW 8.0MHz†;FP BW 1.5MHz†;RL 300Ω.
49	1490	1	30	600m	20k		400 *	20	28		MP5y	Gv .85*;FP BW 100kHz†;SR 50V/usec;Rl 50 Ω*.
50	HA2-2630	1	30	600m	2.0M†	30 Δ	2.0 †	20	5C	Z427	CN2r	Current Booster;Io 700mAΔ;I Bias 200uAΔ.
51	HFB7	1	30	600m	100G†	30	10	20	59	Z099	CN2g	BW 100MHz*;SR 1.0k V/us*.
52	HX0033	1	30	660m	10G		10	19	5C	A246	CN2h	Voltage Follower,High Speed Buffer;Gv.97*,Ro 10Ω.
53	HX0033C	1	30	660m	10G		10	19	07		TO8	Voltage Follower,High Speed Buffer;Gv.97*;Ro 10Ω.
54	LH0033G	1	30	660m	10G	30	10	18	5C	Z288	CN18c	FET Inputs;Bandwidth 100MHz†;GV .97.
55	LH0033J	1	30	660m	10G	30	10	18	5C	Z288	MP334	FET Inputs;Bandwidth 100MHz†;GV .97.
56	HA2-2635	1	30	690m	2.0M†	30 Δ	2.0 †	20	07	Z427	CN2r	Current Booster;Io 700mAΔ;I Bias 200uAΔ.
57	LH0033CG	1	30	720m	10G	30	10	18	28	Z288	CN18c	FET Inputs;Bandwidth 100MHz†;GV .96.
58	LH0033CJ	1	30	720m	10G	30	10	18	28	Z288	MP334	FET Inputs;Bandwidth 100MHz†;GV .96.
59	9820	1	30	750m	500k	24	10	20	58		MP5bk	Current Booster;GV .99;SR ±4.0kV/us*.
60	1620	1	30	1.2	20k		200	20	28		MP5y	Gv .90*;FP BW 300kHz†;SR 50V/usec;Rl 100 Ω*.
61	9963	1	30	1.5	10G	26	4.0	20	28		MP658	FET Curr Booster;200MHz BW;GV.96;SR6000V/uS
62	LH0063K	1	30	2.2	10G	30	4.0	20	5C	Z289	CN22d	FET Inputs;Bandwidth 200MHz†;GV .96;SR 6000V/us.
63	LH0063CK	1	30	2.4	10G	30	4.0	20	28	Z289	CN22d	FET Inputs;Bandwidth 200MHz†;GV .96;SR 6000V/us.
64	B100	1	30	3.0	9.0k			20	28		MP6t	Cur.Booster;Gain .9V/V*;Io ±100mA;Freq 1.0MHz*.
65	LM110D	1	36	198m	10G	30 Δ	2.5	20	5C	A122	MP490	Bandwidth 20MHz;GV .999*;SR 30V/us.
66	LM110F	1	36	198m	10G	30 Δ	2.5	20	5C	A122	FP37	Bandwidth 20MHz;GV .999*;SR 30V/us.
67	LM110H	1	36	198m	10G	30 Δ	2.5	20	5C	A122	CN1d	Bandwidth 20MHz;GV .999*;SR 30V/us.
68	LM110J	1	36	198m	10G	30 Δ	2.5	20	5C	A122	MP319b	Bandwidth 20MHz;Gv .999*;SR 30V/us
69	LM210D	1	36	198m	10G	30 Δ	2.5	20	28	A122	MP490	Bandwidth 20MHz;GV .999*;SR 30V/us.
70	LM210F	1	36	198m	10G	30 Δ	2.5	20	28	A122	FP37	Bandwidth 20MHz;GV .999*;SR 30V/us.
71	LM210H	1	36	198m	10G	30 Δ	2.5	20	28	A122	CN1d	Bandwidth 20MHz;GV .999*;SR 30V/us.
72	LM210J	1	36	198m	10G	30 Δ	2.5	20	28	A122	MP319b	Bandwidth 20MHz;Gv .999*;SR 30V/us
73	LM310D	1	36	198m	10G	30 Δ	2.5	20	07	A122	MP490	Bandwidth 20MHz;GV .999*;SR 30V/us.
74	LM310H	1	36	198m	10G	30 Δ	2.5	20	07	A122	CN1d	Bandwidth 20MHz;GV .999*;SR 30V/us.
75	LM310J8	1	36	198m	10G	30 Δ	2.5	20	07	A122	MP659	Bandwidth 20MHz;Gv .999*;SR 30V/us
76	LM310J	1	36	198m	10G	30 Δ	2.5	20	07	A122	MP319b	Bandwidth 20MHz;Gv .999*;SR 30V/us
77	LM310N	1	36	198m	10G	30 Δ	2.5	20	07	A122	MP491	Bandwidth 20MHz;GV .999*;SR 30V/us.
78♦	JANM38510/10601ACA	1	36	198m		30 Δ	2.5	20	5C	Z348a	MP315	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
79♦	JANM38510/10601ACB	1	36	198m		30 Δ	2.5	20	5C	Z348a	MP315	Voltage Follower;BW 8MHz;Slew Rate 7.0V/nS min
80♦	JANM38510/10601ACC	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
81♦	JANM38510/10601AGA	1	36	198m		30 Δ	2.5	20	5C	Z348	CN1k	Voltage Follower;BW 8MHz;Slew Rate 7.0V/nS min
82♦	JANM38510/10601AGB	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
83♦	JANM38510/10601AGC	1	36	198m		30 Δ	2.5	20	5C	Z348	CN1k	Voltage Follower;BW 8MHz;Slew Rate 7.0V/nS min
84♦	JANM38510/10601AHA	1	36	198m		30 Δ	2.5	20	5C	Z348b	FP31	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
85♦	JANM38510/10601AHB	1	36	198m		30 Δ	2.5	20	5C	Z348b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew 20V/uSmin
86♦	JANM38510/10601AHC	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
87♦	JANM38510/10601BCA	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
88♦	JANM38510/10601BCB	1	36	198m		30 Δ	2.5	20	5C	Z348a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew 20V/uSmin
89♦	JANM38510/10601BCC	1	36	198m		30 Δ	2.5	20	5C	Z348a	MP315	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
90♦	JANM38510/10601BGA	1	36	198m		30 Δ	2.5	20	5C	Z348	CN1k	Voltage Follower;BW 8MHz;Slew Rate 7.0V/nS min
91♦	JANM38510/10601BGB	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
92♦	JANM38510/10601BGC	1	36	198m		30 Δ	2.5	20	5C	Z348	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew 20V/uSmin
93♦	JANM38510/10601BHA	1	36	198m		30 Δ	2.5	20	5C	Z348b	FP31	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE (3) MAX IDLE POWER & (4) TYPE No.

LINE No.	[4] TYPE No.	[1] USE	PWR SUP @25°C RATED SPECS [2] TOT. VOLT. (ΔV)	[3] MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPED-ANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	[MIN VOLT RANGE (ΔV)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1♦	JANM38510/10601BHB	1	36	198m		30 Δ	2.5	20	5C	Z348b	FP31	Voltage Follower;BW 8MHz;Slew Rate 7.0V/nS min
2♦	JANM38510/10601BHC	1	36	198m		30 Δ	2.5	20	5C	Z348b	FP31	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
3♦	JANM38510/10601CCA	1	36	198m		30 Δ	2.5	20	5C	Z348a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew 20V/uSmin
4♦	JANM38510/10601CCB	1	36	198m		30 Δ	2.5	20	5C	Z348a	MP315	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
5♦	JANM38510/10601CCC	1	36	198m		30 Δ	2.5	20	5C	Z348a	MP315	Voltage Follower;BW 8MHz;Slew Rate 7.0V/nS min
6♦	JANM38510/10601CGA	1	36	198m		30 Δ	2.5	20	5C	Z348	CN1k	Voltage Follower;BW 8MHz;Slew Rate 7.0V/nS min
7♦	JANM38510/10601CGB	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
8♦	JANM38510/10601CGC	1	36	198m		30 Δ	2.5	20	5C	Z348	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew 20V/uSmin
9♦	JANM38510/10601CHA	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
10♦	JANM38510/10601CHB	1	36	198m		30 Δ	2.5	20	5C	Z348b	FP31	Voltage Follower;BW 8MHz;Slew Rate 7.0V/nS min
11♦	JANM38510/10601CHC	1	36	198m		30 Δ	2.5	20	5C	Z348b	FP31	Voltage Follower;BW 8MHz;Slew Rate 7.0V/uS min
12♦	JANM38510/10602ACA	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
13♦	JANM38510/10602ACB	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
14♦	JANM38510/10602ACC	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
15♦	JANM38510/10602AGA	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
16♦	JANM38510/10602AGB	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
17♦	JANM38510/10602AGC	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
18♦	JANM38510/10602AHA	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
19♦	JANM38510/10602AHB	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
20♦	JANM38510/10602AHC	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
21♦	JANM38510/10602BCA	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
22♦	JANM38510/10602BCB	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
23♦	JANM38510/10602BCC	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
24♦	JANM38510/10602BGA	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
25♦	JANM38510/10602BGB	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
26♦	JANM38510/10602BGC	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
27♦	JANM38510/10602BHA	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
28♦	JANM38510/10602BHB	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
29♦	JANM38510/10602BHC	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
30♦	JANM38510/10602CCA	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
31♦	JANM38510/10602CCB	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
32♦	JANM38510/10602CCC	1	36	198m		30 Δ	2.5	20	5C	Z349a	MP315	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
33♦	JANM38510/10602CGA	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
34♦	JANM38510/10602CGB	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
35♦	JANM38510/10602CGC	1	36	198m		30 Δ	2.5	20	5C	Z349	CN1k	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
36♦	JANM38510/10602CHA	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
37♦	JANM38510/10602CHB	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
38♦	JANM38510/10602CHC	1	36	198m		30 Δ	2.5	20	5C	Z349b	FP31	Hi-Speed Volt Follower;BW 8MHz;Slew Rate 20V/uSmin
39	MLM110G	1	36	198m	10G		2.5	20	5C	Z235	TO99	GV .999*;BW 20MHz†;SR 30V/us†;Pd 500mWΔ.
40	MLM210G	1	36	198m	10G		2.5	20	28	Z235	TO99	GV .999*;BW 20MHz†;SR 30V/us†;Pd 500mWΔ.
41	MLM310G	1	36	198m	10G		2.5	20	07	Z235	TO99	GV .999*;BW 20MHz†;SR 30V/us†;Pd 500mWΔ.
42▼	JANM38510/10603AEA*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
43▼	JANM38510/10603AEB*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
44▼	JANM38510/10603AEC*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
45▼	JANM38510/10603AFA*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
46▼	JANM38510/10603AFB*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
47▼	JANM38510/10603AFC*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
48▼	JANM38510/10603BEA*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
49▼	JANM38510/10603BEB*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
50▼	JANM38510/10603BEC*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
51▼	JANM38510/10603BFA*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
52▼	JANM38510/10603BFB*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
53▼	JANM38510/10603BFC*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt Follower;Chan Separation 90dB.
54▼	JANM38510/10603CEA*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt-Follower;Chan Separation 90dB
55▼	JANM38510/10603CEB*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt-Follower;Chan Separation 90dB
56▼	JANM38510/10603CEC*	1	36	400m		30 Δ	2.5	20	5C	Z349c	MP580	Dual Hi-Speed Volt-Follower;Chan Separation 90dB

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE (3) MAX IDLE POWER & (4) TYPE No.

LINE No.	4 TYPE No.	1 USE	PWR SUP @25°C RATED SPECS: 2 TOT. VOLT. (ΔV)	3 MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C: IMPEDANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C: MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	TEMP -+ / CODE	DRAWINGS: CKT.	OUTLINE Δ=MO	GENERAL DESCRIPTION
1▼	JANM38510/10603CFA*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt-Follower;Chan Separation 90dB
2▼	JANM38510/10603CFB*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt-Follower;Chan Separation 90dB
3▼	JANM38510/10603CFC*	1	36	400m		30 Δ	2.5	20	5C	Z349c	FP43	Dual Hi-Speed Volt-Follower;Chan Separation 90dB
4	A401	1	36	720m	10k†	20 †	200m*†	20 †	28	Z859	MP5s	Gv 1.0;Vos 200mV†;TC ±1.0mV/°C
5	MC1538R	1	40	300m	400k†	22	10 †	24	5C	Z037	CN30	Gv 900mV*;BW 8.0MHz†;FP BW 1.5MHz†;RL 300Ω.
6	822	1	40	1.2			10		5C	E006	MP34d	Freq 40MHz
7	770-406-1	1	44	1.4	10G	20	100m	20	05		MP43	Gv 1.0†;FP BW 2.0M*;SR 175V/usec*;Rl 1.0kΩ*.
8	770-406-2	1	44	1.4	10G	20	300m	20	05		MP43	Gv 10Ø;FP BW 2.0M*;SR 175V/usec*;Rl 1.0kΩ*.
9	770-406-3	1	44	1.4	10G	20	300m	20	05		MP43	Gv 10;FP BW 2.0M*;SR 175V/usec*;Rl 1.0kΩ*.
10	823	1	60	72m	4.0k	60 Δ	10	56	5C	E037	MP197	Freq 4.0MHz;Gain 1.0
11	9800	1	160	160m	10k	150	3.0	150	27		MP210	Gv .85;BW 10MHz;SR 30V/uS;ΔIo 2.0A.
12	A403	1	300	6.0	10k	230 †	200m*†	230 †	28	Z860	MP439	Gv 1.0;Vos 200mV†;TC ±1.0mV/°C
13	VF666	1	350	3.1 †	10	300	100G	300	07		MP494	High Volt Follower;Vo ±150V;Slew50V/us*;BW1.0MHz
14	4357	2									MP508f	Pos Temp Compensated Logarithmic Module;TC±.04%/°C
15	4358	2									MP508f	Neg Temp Compensated Logarithmic Module;TC±.04%/°C
16#	SL525C	2	6.0 §	90m†		1.8 §	850u*	1.2 †	2A	Z798	CN11e	Log Amp;BW 5.0-150MHz;GV 14dBΔ;No 5.25dBΔ
17#	SL530C	2	6.0 §	150m	500		10		5C	Z283	CN11e	TRUE;DYNAMIC RANGE 73dB AT BANDWIDTH 10MHz.
18#	ZN456J	2	8.0	140m	1.0u				26	Z776		Log Electrometer;lin 1.0pA-1.0mA;ΔVref 17mVΔ♦
19	SN56502J	2	12	201m	500 †	1.0	200 †	5.4	5C	Z143	MP153	Bandwidth DC to 40MHz.
20	SN76502J	2	12	201m	500 †	1.0	200 †	5.4	07	Z143	MP153	Bandwidth DC to 40MHz.
21	SN76502N	2	12	201m	500 †	1.0	200 †	5.4	07	Z143	MP252c	Bandwidth DC to 40MHz.
22	TL441CJ	2	12	201m	500 †		200		07	Z700		4 Stage Log Amp;Log Linearity (30dB Sec) 1dBV
23	TL441CN	2	12	201m	500 †		200		07	Z700		4 Stage Log Amp;Log Linearity (30dB Sec) 1dBV
24	TL441MJ	2	12	201m	500 †		200		5C	Z700		4 Stage Log Amp;Log Linearity (30dB Sec) 1dBV
25	LR104N	2	15	240m			100m		07	Z543	MP204e	Log Ratio Operator,NPN ;f(3dB)160KHz To lin 100uA
26	LR104P	2	15	240m			100m		07	Z543	MP204e	Log Ratio Operator,PNP;f(3dB)160KHz To lin 100uA
27	2216	2	24	480m	1.0 †	5.0	1.0 †	5.0 †	05		MP⊘	Dynamic Range 66db;Error 1.0%Δ;Freq. 1.0kHz.
28	A4350	2	30			10		20	28	Z175	MP5bg	Io ±10mA;Positive volt or current;Ios ±50pA.
29	A4351	2	30			10		20	28	Z175	MP5bg	Io ±10mA;Neg.volt or current;Ios ±50pA.
30	756N	2	30	90m				20		Z394	MP⊘	DC Log Ratio Module;BW 25kHz.
31	756P	2	30	90m				20		Z394	MP⊘	DC Log Ratio Module;BW 25kHz.
32	752N	2	30	120m				10	07		MP5ck	Log Transconductor;Error .5%Δ.
33	752P	2	30	120m				10	07		MP5ck	Log Transconductor;Error .5%Δ.
34	ICL8048BCDE	2	30	200m				24	07	Z485	MP521	Log Amp;Dyn Rng 120dB(1.0nA-1.0mA).
35	ICL8048BCPE	2	30	200m				2.0	07	Z485	MP343	Log Amp;Dyn Rng 120dB(1.0nA-1.0mA).
36	ICL8048CCDE	2	30	200m				24	07	Z485	MP521	Log Amp;Dyn Rng 120dB(1.0nA-1.0mA).
37	ICL8048CCPE	2	30	200m				24	07	Z485	MP343	Log Amp;Dyn Rng 120dB(1.0nA-1.0mA).
38	ICL8049BCDE	2	30	200m				24	07	Z486	MP521	Antilog Amp;Dyn Rng 60dB;Vo24Vpp;PSRR 2.0uV/V†.
39	ICL8049BCPE	2	30	200m				24	07	Z486	MP343	Antilog Amp;Dyn Rng 60dB;Vo24Vpp;PSRR 2.0uV/V†.
40	ICL8049CCDE	2	30	200m				24	07	Z486	MP521	Antilog Amp;Dyn Rng 60dB;Vo24Vpp;PSRR 2.0uV/V†.
41	ICL8049CCPE	2	30	200m				24	07	Z486	MP343	Antilog Amp;Dyn Rng 60dB;Vo24Vpp;PSRR 2.0uV/V†.
42	755N	2	30	210m		10 §		20	07		MP5cj	Log-Antilog Amp;Error .5%Δ.
43	755P	2	30	210m		10 §		20	07		MP5cj	Log-Antilog Amp;Error .5%Δ.
44	4362	2	30	210m					28	Z552	MP508q	Pos I Log Amp;Dynamic Range Vol 80dB,I 120dB
45	4363	2	30	210m					28	Z552	MP508q	Neg I Log Amp;Dynamic Range Vol 80dB,I 120dB
46	530	2	30	240m†		10 §	1.0 †	10 §	28	Z397	MP5bg	Vos 400uVØ;Ios 3.0pA†;lin 0.01nA to 1.0mA
47	531	2	30	240m†		10 §-	1.0 †	10 §-	28	Z397	MP5bg	Vos 400uVØ;Ios 3.0pA†;lin -0.01nA to -1.0mA
48	757N	2	30	240m			100m	20	28	Z576	MP5cj	6 Decade Log Ratio Module;BW 25kHz
49	757P	2	30	240m			100m	20	28	Z576	MP5cj	6 Decade Log Ratio Module;BW 25kHz
50	4356	2	30	240m		20		20	07	Z545	MP542a	AC;BW 10kHz;Temp Stab Offset ±2.0mV/°C†
51	4366	2	30	240m			20		07	Z543	MP508g	Log Ratio Module For Pos Polarity Sig;Acc ±1%Δ.
52	4367	2	30	240m			20		07	Z543	MP508g	Log Ratio Module For Neg Polarity Sig;Acc ±1%Δ.
53	A730	2	30	240m		10 §	1.0	10 §	28	A175	MP5bg	Log Amp;Vo±10V,Ioffset ±10pA;Pos.Volt.or Cur.
54	A731	2	30	240m		10 §-	1.0	10 §-	28	A175	MP5bg	Log Amp;Vo±10V,Ioffset ±10pA;Neg.Volt.or Cur.
55	4350	2	30	300m		10 §		20	28		MP68	Mod;Rng 80dB,Acc 0.5%;TC .04%/°C†;BW 3dB 80MHz†
56	4351	2	30	300m		10-		20	28		MP68	Mod;Rng 80dB,Acc 0.5%;TC .04%/°C†;BW 3dB 80MHz†
57▼	A757N	2	30	300m			100m	20	28	Z576	MP5cj	6 Decade Log Ratio Module;lin 10mAΔ;Mod
58▼	A757P	2	30	300m			100m	20	28	Z576	MP5cj	6 Decade Log Ratio Module;lin -10mAΔ;Mod
59	1896	2	30	360m	20k†	20	100	20 †	08		MP5ay	Rng. 80db;Acc. 1%†;Tc 70m%/°C;BW 70kHz.
60	2910	2	30	360m	10k†	20 †	3.0	800m†	6C	Z906	MP657	Log-Antilog Amp;Dyn Range 80dB;BW 3dB DC-10MHz
61▼	4127JG	2	30	600m	1.0 †*		10	20 †	17	Z964	MP714	Log,Anlg,Lgrf Capabilities;Acc 1% F/S;BW 3db 90kΔ
62▼	4127KG	2	30	600m	1.0 †*		10	20 †	17	Z964	MP714	Log,Anlg,Lgrf Capabilities;Acc .5% F/S;BW 3db 90kΔ
63	2531A	2	30	1.9	1.0k†	20 †	5.0	20 †	27	Z905	MP270b	Log Amp;Dyn Range 70dB,Error ±3.0%;Vos ±1.0mVΔ
64	2540	2	30	4.0	600 †	20	20	20	57		MP270	Dyn.Range 60db*;Acc 3.0%;TC ±.15%/°CΔ.
65	SG1402J§	3	10 §	85m	1.2k†		200	3.0	5C	E039	TO116	4 Quadrant;Freq Res 50MHz;Max Volt Gain 25dB†
66	SG1402N§	3	10 §	85m	1.2k†		200	3.0	07	E039	MP39a	Balanced Modulator, Frequency Doubler.
67	SG1402T§	3	10 §	85m	1.2k†		200	3.0	5C	E039	TO100	Balanced Modulator, Frequency Doubler.
68	SG2402J§	3	10 §	85m	1.2k†		200	3.0	07	E039	TO116	4 Quadrant;Freq Res 50MHz;Max Volt Gain 25dB†
69	SG2402N§	3	10 §	85m	1.2k†		200	3.0	07	E039	MP39a	Balanced Modulator, Frequency Doubler.
70	SG2402T§	3	10 §	85m	1.2k†		200	3.0	07	E039	TO100	Balanced Modulator, Frequency Doubler.
71	SG3402J§	3	10 §	85m	1.2k†		300	3.0	07	E039	TO116	4 Quadrant;Freq Res 50MHz;Max Volt Gain 25dB†
72	SG3402N§	3	10 §	85m	1.2k†		300	3.0	07	E039	MP39a	Balanced Modulator, Frequency Doubler.
73	SG3402T§	3	10 §	85m	1.2k†		300	3.0	07	E039	TO100	Balanced Modulator, Frequency Doubler.
74▼	RC4200ADE	3	15 §	60m	1.0m*	5.0m*	1.0m*		07		MP401j	Analog Multiplier;Frequency Res 4.0MHz
75▼	RC4200ANB	3	15 §	60m	1.0m*	5.0m*	1.0m*		07		MP491	Analog Multiplier;Frequency Res 4.0MHz
76▼	RC4200DE	3	15 §	60m	1.0m*	10m*	1.0m*		07		MP401j	Analog Multiplier;Frequency Res 4.0MHz
77▼	RC4200NB	3	15 §	60m	1.0m*	10m*	1.0m*		07		MP491	Analog Multiplier;Frequency Res 4.0MHz
78▼	RM4200ADE	3	15 §	60m	1.0m*	5.0m*	1.0m*		5C		MP401j	Analog Multiplier;Frequency Res 4.0MHz
79▼	RM4200DE	3	15 §	60m	1.0m*	10m*	1.0m*		5C		MP401j	Analog Multiplier;Frequency Res 4.0MHz
80▼	RV4200ADE	3	15 §	60m	1.0m*	5.0m*	1.0m*		48		MP401j	Analog Multiplier;Frequency Res 4.0MHz
81▼	RV4200ANB	3	15 §	60m	1.0m*	5.0m*	1.0m*		48		MP491	Analog Multiplier;Frequency Res 4.0MHz
82▼	RV4200DE	3	15 §	60m	1.0m*	10m*	1.0m*		48		MP401j	Analog Multiplier;Frequency Res 4.0MHz
83▼	RV4200NB	3	15 §	60m	1.0m*	10m*	1.0m*		48		MP491	Analog Multiplier;Frequency Res 4.0MHz
84	XR2208CP§	3	15	625m	1.0M†		6.0k†		07	A257	MP343a	Op Multiplier;3dB BW 8MHz;Non-Linearity .8%Δ.
85	XR2208P§	3	15	625m	500k		6.0k†		07	A257	MP343a	Op Multiplier;3dB BW 8MHz;Non-Linearity .8%Δ.
86	A8495#1	3	15	750m	20M†	12 †	300k†	14 †	07			4 Quadrant;BW3dB 3.0MHz;Common Mode Gain -50dB Typ
87	A8595#1	3	15	750m	35M†	13 †	300k†	14 †	5C			4 Quadrant;BW3dB 3.0MHz;Common Mode Gain -60dB Typ
88	XR2208CN§	3	15	750m	1.0M†		6.0k†		07	A257	MP343a	Op Multiplier;3dB BW 8MHz;Non-Linearity .8%Δ.
89	XR2208M§	3	15	750m	500k		6.0k†		5C	A257	MP343a	Operational;3dbBW 8MHz;Non Linearity 1%Δ.
90	XR2208N§	3	15	750m	500k		6.0k†		07	A257	MP343a	Op Multiplier;3dB BW 8MHz;Non-Linearity 1%Δ.
91▼	SSM2000*	3	20	240m	50M	13 §			27	Z980	MP⊘	Dual Linear-Anlg Voltage Controlled Amp;THD .7%Δ
92	4454	3	30	75m	25k		100m	20	06	Z545	MP138c	Mult/Divider;Vos 10mVΔ;BW 1.0MHz;SR 3.0V/uS
93	4455	3	30	75m	25k		100m	20	06	Z545	MP138c	Mult/Divider;Vos 5.0mVΔ;BW 1.0MHz;SR 3.0V/uS
94	AD534JH#1	3	30	90m	10M†	20	100m†	22	07	Z764	TO100	4 Quadrant Mult;Error ±1% Max;1MHz BW3dB
95	AD534KH#1	3	30	90m	10M†	20	100m†	22	07	Z764	TO100	4 Quadrant Mult;Error ±.5% Max;1MHz BW3dB
96	AD534LH#1	3	30	90m	10M†	20	100m†	22	07	Z764	TO100	4 Quadrant Mult;Error ±.25% Max;1MHz BW3dB
97	AD534SH#1	3	30	90m	10M†	20	100m†	22	5C	Z764	TO100	4 Quadrant Mult;Error ±1% Max;1MHz BW3dB
98	AD534TH#1	3	30	90m	10M†	20	100m†	22	5C	Z764	TO100	4 Quadrant Mult;Error ±.5% Max;1MHz BW3dB
99	4201J	3	30	120m	36k†	20 †	1.0 †	20	06		TO100	Acc 2.0%;Tc 400uV/°C;BW 3db 1MHz;ΔIo 5.0mA.
100	M540J	3	30	120m†	36k†		1.0 †	20	06	Z479	TO100	Mult/Divider,Sq,Sq-Rooter;BW1.0MHz†;Also DIP Pkg.
101	M540K	3	30	120m†	36k†		1.0 †	20	06	Z479	TO100	Mult/Divider,Sq,Sq-Rooter;BW 1.0MHz†;Also DIP.
102	432J#1	3	30	135m	10k†	20	100m	20	28		MP222	Acc 2.0%;FPBW 750kHz;3db 1.0MHz;Io ±5.0mA*.
103	432K#1	3	30	135m	10k†	20		20	28		MP222	Acc 1.0%;FPBW 750kHz;3db 1.0MHz;Io ±5.0mA*.
104	4205J	3	30	135m	36k	20	1.0	20	06	Z434	TO100	4 Quad Mult/Divider/Sq rooter;Error(Int trim)2%max
105	4205K	3	30	135m	36k	20	1.0	20	06	Z434	TO100	4 Quad Mult/Divider/Sq rooter;Error(Int trim)1%max
106	4205S	3	30	135m	36k	20	1.0	20	5C	Z434	TO100	4 Quad Mult/Divider/Sq rooter;Error(Int trim)1%max
107	M440	3	30	135m†	10k†		8.0 †	20	28		MP509	Mult/Divider,Sq,Sq-Rooter;BW1.0MHz*;Slew 55V/us†.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE (3) MAX IDLE POWER & (4) TYPE No.

LINE No.	[4] TYPE No.	[1] USE	PWR SUP @25°C RATED SPECS [2] TOT. VOLT. (ΔV)	[3] MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPEDANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	TEMP CODE -+	DRAWINGS CKT.	OUTLINE Δ=MO	GENERAL DESCRIPTION
1	M441	3	30	135m†	10k†		8.0 †	20	28		MP509	Mult/Divider,Sq,Sq-Rooter;BW1.0MHz*;Slew 55V/us†.
2	426A#1	3	30	150m	200k†	21	100m†	22	28		MP80	Error 1%Δ;Non-Linear .6%Δ;Feed thru 60mVp-pΔ.
3	426K#1	3	30	150m	200k†	21	100m†	22	07		MP80	Error 1%Δ;Non-Linear .6%Δ;Feed thru 60mVp-pΔ.
4	426L#1	3	30	150m	200k†	21	100m†	22	07		MP80	Error .5%Δ;Non-Linear .25%Δ;Feed thru 40mVp-pΔ.
5	428J#1	3	30	150m	25k	21		22	28		MP80	Acc .5%;FPBW 70kHz;3db 300kHz;Io ±11mA*.
6	428K#1	3	30	150m	25k	21		22	28		MP80	Acc .5%;FPBW 70kHz;3db 300kHz;Io ±11mA*.
7	4452	3	30	150m	30k	20	1.0	20	07		MP508j	Freq 400kHz;Acc 2.0%Δ;Io 10mA;Stab Vos 3.0mV/°C.
8	M610	3	30	150m†	25k†		100m†	20	06		MP508a	Mult/Divider,Sq,Sq-Rooter;BW 1.0MHz†;Slew 3V/us†.
9	M611	3	30	150m†	25k†		100m†	20	06		MP508a	Mult/Divider,Sq,Sq-Rooter;BW 1.0MHz†;Slew 3V/us†.
10	SG1495J	3	30	170m	20M†		300k†	28 †	07	Z045	TO116	Acc 3.0%†#;BW 3dB 3.0MHz;Input Ios 2.0Δ
11	SG1495N	3	30	170m	20M†	30 Δ	300k†	28 †	07	Z045	MP39a	Acc 4.0%Δ; BW 3dB3.0MHz†; Com.Mode 60V-50dB†.
12	SG1595J	3	30	170m	35M†		300k†	28 †	5C	Z045	TO116	Acc 1.5%†#;BW 3dB 3.0MHz;Input Ios 1.0Δ
13	4450	3	30	180m	10M	20 †	3.0 †	20 †	28		MP516b	4 Quadrant;Mult Acc 2.0% FSΔ;BW 3dB 1.0MHz
14	AD530JD#1	3	30	180m	36k†	20	2.0k∅	20	07		TO116	Error 2%Δ;XY/10 Multiplier with OPAMP.
15	AD530KD#1	3	30	180m	36k†	20	2.0k∅	20	07		TO116	Error 1%Δ;XY/Z Multiplier with OPAMP.
16	AD532JD#1	3	30	180m	10M†	20	1.0 †	20	07	Z396	TO116	4 Quadrant Pre-Trimmed Mon;Error ±2%Δ;SR 45V/us.
17	AD532JH#1	3	30	180m	10M†	20 †	1.0 †	20	07	Z396	TO100	4 Quadrant;Pre-Trimmed Mon;Error ±2%Δ;SR 45V/us.
18	AD532KD#1	3	30	180m	10M†	20	1.0 †	20	07	Z396	TO116	4 Quadrant Pre-Trimmed Mon;Error ±1%Δ;SR 45V/us.
19	AD532KH#1	3	30	180m	10M†	20 †	1.0 †	20	07	Z396	TO100	4 Quadrant;Pre-Trimmed Mon;Error ±1%Δ;SR 45V/us.
20	AD532SD#1	3	30	180m	10M†	20	1.0 †	20	5C	Z396	TO116	4 Quadrant Pre-Trimmed Mon;Error ±1%Δ;SR 45V/us.
21	AD532SH#1	3	30	180m	10M†	20 †	1.0 †	20	5C	Z396	TO100	4 Quadrant;Pre-Trimmed Mon;Error ±1%Δ;SR 45V/us.
22	AD533JD#1	3	30	180m	10M†	20 †	100 †	20	07		TO116	4 Quadrant;Error ±2%Δ;Non-Linearity ±.8%.
23	AD533JH#1	3	30	180m	10M†	20 †	100 †	20	07		TO100	4 Quadrant;Error ±2%Δ;Non-Linearity ±.8%.
24	AD533KD#1	3	30	180m	10M†	20 †	100 †	20	07		TO116	4 Quadrant;Error ±1%Δ;Non-Linearity ±.5%.
25	AD533KH#1	3	30	180m	10M†	20 †	100 †	20	07		TO100	4 Quadrant;Error ±1%Δ;Non-Linearity ±.5%.
26	AD533LD#1	3	30	180m	10M†	20 †	100 †	20	07		TO116	4 Quadrant;Error ±.5%Δ;Non-Linearity ±.5%.
27	AD533LH#1	3	30	180m	10M†	20 †	100 †	20	07		TO100	4 Quadrant;Error ±.5%Δ;Non-Linearity ±.5%.
28	AD533SD#1	3	30	180m	10M†	20 †	100 †	20	5C		TO116	4 Quadrant;Error ±1%Δ;Non-Linearity ±.5%.
29	AD533SH#1	3	30	180m	10M†	20 †	100 †	20	5C		TO100	4 Quadrant;Error ±1%Δ;Non Linearity ±.5%.
30	ICL8013ACTZ	3	30	180m	36k	20		20 †	07	Z783	TO100	4 Quad Mult;Divider;Sq;Sq-Rooter W/.50% Accuracy
31	ICL8013AMTZ	3	30	180m	36k	20		20 †	5C	Z783	TO100	4 Quad Mult;Divider;Sq;Sq-Rooter W/.50% Accuracy
32	ICL8013BCTZ	3	30	180m	36k	20		20 †	07	Z783	TO100	4 Quad Mult;Divider;Sq;Sq-Rooter W/1.0% Accuracy
33	ICL8013BMTZ	3	30	180m	36k	20		20 †	5C	Z783	TO100	4 Quad Mult;Divider;Sq;Sq-Rooter W/1.0% Accuracy
34	ICL8013CCTZ	3	30	180m	36k	20		20 †	07	Z783	TO100	4 Quad Mult;Divider;Sq;Sq-Rooter W/2.0% Accuracy
35	ICL8013CMTZ	3	30	180m	36k	20		20 †	5C	Z783	TO100	4 Quad Mult;Divider;Sq;Sq-Rooter W/2.0% Accuracy
36	M415	3	30	180m†	40k†		1.0	20	28		MP508	Mult/Divider,Sq,Sq-Rooter;BW 600kHz*;Slew 6V/us†.
37	M416	3	30	180m†	40k†		1.0	20	28		MP508	Mult/Divider,Sq,Sq-Rooter;BW 600kHz*;Slew 6V/us†.
38	AD531JD#1	3	30	195m	80M†	20 †	100 †	20	07	Z395	TO116	4 Quadrant;Mult Error ±2%;FPBW 750kHz;Error ±2%.
39	AD531KD#1	3	30	195m	80M†	20 †	100 †	20	07	Z395	TO116	4 Quadrant;Mult Error ±1%;FPBW 750kHz;Error ±1%.
40	AD531LD#1	3	30	195m	80M†	20 †	100 †	20	07	Z395	TO116	4 Quadrant;Mult Error ±.5%;FPBW 750kHz;Error ±.5%.
41	AD531SD#1	3	30	195m	80M†	20 †	100 †	20	5C	Z395	TO116	4 Quadrant;Mult Error ±1%;FPBW 750kHz;Error ±1%.
42	AD530JH#1	3	30	200m	6.0M	10		10	07		TO100	Error 2%Δ;XY/10 Multiplier with OPAMP.
43	AD530KH#1	3	30	200m	6.0M	10		10	07		TO100	Error 1%Δ;XY/Z Multiplier with OPAMP.
44	AD530LD#1	3	30	200m	6.0M	10		10	07		TO116	
45	AD530LH#1	3	30	200m	6.0M	10		10	07		TO100	
46	AD530SD#1	3	30	200m	6.0M	10		10	07		TO116	Error 1%Δ;XY/Z Multiplier with OPAMP.
47	AD530SH#1	3	30	200m	6.0M	10		10	07		TO100	Error 1%Δ;XY/Z Multiplier with OPAMP.
48	CA3091D	3	30	200m	500		1.0M†	12	5C	Z193	Δ001AD	Four Quadrant;Acc 2.6% of 10V;BW 4.8MHz;Tc 63nA/°C
49	CA3091H	3	30	200m	500		1.0M†	12	5C	Z193	CH16x	Four Quadrant;Acc 2.6% of 10V;BW 4.8MHz;Tc 63nA/°C
50▼	107C	3	30	210m	10k	20			07		MP150	Also Divides,Squares,Square Roots;Acc 1%FS;Io 10mA
51	107C-MIL	3	30	210m	10k	20			5C		MP150	Also Divider;Acc 1%FSΔ;IO 10mA*.
52	125A	3	30	210m†	7.5k†	20 †	1.0 †	20 †	28		MP222a	Acc 1.0%;BW 1.0MHz;Io 5.0mA
53	125B	3	30	210m†	20k†	20 †	1.0 †	20 †	28		MP222a	Acc ±2.0%;BW 1.0MHz;Io 5.0mA
54	435J	3	30	240m	100k	20	100m	20	28		MP155	Transconductance Multiplier.
55	435K	3	30	240m	100k	20	100m	20	28		MP155	Transconductance Multiplier.
56▼	SSM2020*	3	30	240m					27	Z981	MP☒	Dual Linear-Anlg Voltage Controlled Amp;THD .1%Δ
57	4456	3	30	255m	10k		100m	20	28	Z545	MP138c	Mult/Divider;Vos 20mVΔ;BW 5.0MHz*;SR 150V/uS*
58	4457	3	30	255m	10k		100m	20	28	Z545	MP138c	Mult/Divider;Vos 10mVΔ;BW 5.0MHz*;SR 150V/uS*
59	MC1594L	3	30	260m	300M†	20	850k†	20	5C	Z136	MP104a	Four-Quadrant;1.0MHz Frequency Response.
60	436A	3	30	270m	9.0k	20	100m	20	28		MP80a	2 Quadrant;Acc 1/4%;BW 300kHz.
61	436B	3	30	270m	9.0k	20	100m	20	28		MP80a	2 Quadrant;Acc 1/4%;BW 300kHz.
62	4203J	3	30	270m	10k†	20 †	1.0 †	20	06		TO100	Acc 1.0%;Tc 400uV/°C;BW 3db 1MHz;ΔIo 5.0mA.
63	4203K	3	30	270m	10k†	20 †	1.0 †	20	06		TO100	Acc 600m%;Tc 400uV/°C;BW 3db 1MHz;ΔIo 5.0mA.
64	4203S	3	30	270m	10k†	20 †	1.0 †	20	06		TO100	Acc 600m%;Tc 400uV/°C;BW 3db 1.oMHz;ΔIo 5.0mA.
65	4203SQ	3	30	270m	10k†	20 †	1.0 †	20	5C		TO100	4023S plus Mil-Std-883 screening.
66	435#1	3	30	300m	90k	10		10	07	Z462	MP488	Poly function:Multiplier-Err ±25mV†,BW 60kHz.
67	MC1494L	3	30	350m	300M†	20	850k†	20	07	Z136	MP104a	Four-Quadrant;1.0MHz Frequency Response.
68	4204J	3	30	352m	25k	20	1.0	20	28	Z433	MP371	4 Quad Mult/Divider;Error(Int trim).5%;Offst15mV.
69	4204K	3	30	352m	25k	20	1.0	20	28	Z433	MP371	4 Quad Mult/Divider;Error(Int trim).25%;Offst5mV.
70	4204S	3	30	352m	100k	20	1.0	20	28	Z433	MP371	4 Quad Mult/Divider;Error(Int Trim).25%;Offset5mV
71	4206J	3	30	352m	100k	20	1.0	20	07	Z539	MP126a	4 Quad Mult/Divider;Error(Int Trim).5%;Offset15mV
72	4206K	3	30	352m	100k	20	1.0	20	07	Z539	MP126a	4 Quad Mult/Divider;Error(Int trim).25%;Offset5mV
73	422A	3	30	360m	10k	21		22	28	Z528	MP138	Wideband Multiplier.
74	422K	3	30	360m	10k	21		22	28	Z528	MP138	Wideband Multiplier.
75	429A	3	30	360m	27k	21		22	28		MP80	3db BW 10MHz;1.0%;Max Error Ios ±20mVΔ.
76	429B	3	30	360m	27k	21		22	28		MP80	3db BW 10MHz;.5%;Max Error Ios ±10mVΔ.
77	ZM605	3	30	360m†	50k	20	1.0	20	28		MP138	Four Quadrant Acc. 1.0%;BW 3dB;tracking .10%.
78	4095-15	3	30	375m†	1.0M†	20 †	1.0 †	20 †	28		MP287d	Transconductance Multiplier.
79	4096-15	3	30	375m†	1.0M†	20 †	1.0 †	20 †	28		MP287d	Transconductance Multiplier.
80	420	3	30	450m	20k	20	3.0	20	28		MP80	Accuracy .50% BW FP 50kHz,3dB,250kHz;ΔIO-4.0mA.
81	424J	3	30	480m	10k	20	100m	20	28		MP155a	Acc .10%;FPBW 40kHz;3dB 100kHz;Io 7.0mA.
82	424K	3	30	480m	10k	20	100m	20	28		MP155a	Acc .05%;FPBW 40kHz;3dB 100kHz;Io 7.0mA.
83	425J	3	30	480m	10k	20	100m	20	28		CB☒	Acc .10%;FPBW 40kHz;3dB 100kHz;Io 7.0mA.
84	425K	3	30	480m	10k	20	100m	20	28		CB☒	Acc .05%;FPBW 40kHz;3dB 100kHz;Io 7.0mA.
85	427J#1	3	30	480m	10k†	21	100m	20	28		MP155a	Acc .25%;FPBW 30kHz;3db 100kHz;Io ±7.0mA*.
86	427K#1	3	30	480m	10k†	21	100m	20	28		MP155a	Acc .20%;FPBW 30kHz;3db 100kHz;Io ±7.0mA*.
87	M509	3	30	510m†	10k†		100m	20	28		MP510	Mult/Divider,Sq,Sq-Rooter;BW5.0MHz*;Slew150V/us*.
88	M510	3	30	510m†	10k†		100m	20	28		MP510	Mult/Divider,Sq,Sq-Rooter;BW 5.0MHz*;Slew 150V/us*
89	550☒	3	30	540m†	50k†	20 †	1.0 †	20 †	28	Z399	MP138a	Acc.Total Error ±0.50% max;Full Power 8kHz.
90	551☒	3	30	540m†	50k†	20 †	1.0 †	20 †	28	Z399	MP138a	Acc.Total Error ±.025% max;Full Power 10kHz.
91	5050	3	30	540m	4.0k	20	100m	20	59		MP213	4 quadrant;Linearity 3%Δ;SR ±25V/us*.
92	A701	3	30	540m	500k	20 †	1.0	20	28	Z863	MP138a	Multiplier;BW 3dB 4.0MHz†;Acc Error(Int Trim)±1.5%
93	A702	3	30	540m	500k	20 †	1.0	20	28	Z863	MP138a	Multiplier;BW 3dB 4.0MHz†;Acc Error(Int Trim)±1%
94	560☒	3	30	600m†	100k†	20 †	1.0 †	20 †	28	Z402	MP434	Acc.Total Error ±0.1% max;Full Power 5kHz.
95	ZM606	3	30	600m†	6.0k	20	1.0	20	28		MP155	Transconductance Mult;Acc .500%;BW 3dB.
96	M310	3	30	750m†	15k†		100m	20	28		MP507	Mult/Divider,Sq,Sq-Rooter;BW 1.0kHz†.
97	M311	3	30	750m†	15k†		100m	20	28		MP507	Mult/Divider,Sq,Sq-Rooter;BW 1.0kHz†.
98	420A	3	30	840m	20k		3.0	10	28		MP138	Wideband Multiplier.
99	420B	3	30	840m	20k		3.0	10	28		MP138	Wideband Multiplier.
100	4200	3	30	840m	25k†	20 †	1.0 †	20	28		MP298a	Acc .10%.
101	101#1	3	30	1.2 †	60k†	20 †		20 †	06	Z915	MP149	Acc ±.20% max;BW 100Hz;Io 10mA;Output XY/10
102	103#1	3	30	1.2 †	60k†	20 †		20 †	06	Z915	MP149	Acc ±.10% max;BW 100Hz;Io 10mA;Output XY/10
103	108	3	30	1.2 †	10k†	20 †		20 †	07		MP149	Acc.±0.1% max;BW 100Hz;Io 10mA.
104	MC1495L	3	47 §	170m	20M†	30 Δ	300k†	28 †	07	Z045	TO116	Acc4.0%Δ;BW3dB3.0MHz†;Com.ModeGv-50dB†.
105	MC1496A	3	47	170m	20M†	30 Δ	300k†	28 †	07	Z045	MP153	Acc 4.0%Δ;BW3dd 3.0MHz†;Gv 50db†.
106	MC1595L	3	47 §	170m	35M†	30 Δ	300k†	28 †	5C	Z045	TO116	Acc2.0%Δ;BW3dB3.0MHz†;Com.ModeGv-60dB†.
107	MCC1495	3	47 §	170m	20M†	24 †	300k†	28 †	5C	Z045	CH8	4 Quadrant;Linearity Error 1.0%.
108	MCC1595	3	47 §	170m	35M†	26 †	300k†	28 †	5C	Z045	CH8	4 Quadrant;Linearity Error 0.5%.
109#	SL1495	3	47 §	170m	400n†*	21		28	07	Z045	MP654	4 Quadrant Mult;BW 3dB 3.0MHz†;Linearity ±2.0% FS
110#	SL1595	3	47 §	170m	200n†*	23		28	5C	Z045	MP654	4 Quadrant Mult;BW 3dB 3.0MHz†;Linearity ±1.0% FS

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE (3) MAX IDLE POWER & (4) TYPE No.

LINE No.	[4] TYPE No.	[1] USE	PWR SUP @25°C RATED SPECS [2] TOT. VOLT. (ΔV)	[3] MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPEDANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	A8495#2	4	15	750m	20M†	12 †	300k†	14 †	07			Square Rooter;Error ±.75%
2	A8595#2	4	15	750m	35M†	13 †	300k†	14 †	5C			Square Rooter;Error ±.5%
3	AD534JH#3	4	30	90m	10M†	20	100m†	22	07	Z764	TO100	Squarer;Error ±.60%;Square Rooter;Error ±1.0%
4	AD534KH#3	4	30	90m	10M†	20	100m†	22	07	Z764	TO100	Squarer;Error ±.30%;Square Rooter;Error ±.50%
5	AD534LH#3	4	30	90m	10M†	20	100m†	22	07	Z764	TO100	Squarer;Error ±.20%;Square Rooter;Error ±.25%
6	AD534SH#3	4	30	90m	10M†	20	100m†	22	5C	Z764	TO100	Squarer;Error ±.60%;Square Rooter;Error ±1.0%
7	AD534TH#3	4	30	90m	10M†	20	100m†	22	5C	Z764	TO100	Squarer;Error ±.30%;Square Rooter;Error ±.50%
8	432J#3	4	30	135m	10k†	20		20	28		MP222	Square Rooter;Error ±100mV;Non-Linearity .8%Δ.
9	432K#3	4	30	135m	10k†	20		20	28		MP222	Square Rooter;Error ±100mV;Non-Linearity .8%Δ.
10	426A#3	4	30	150m	200k†	21	100m†	22	28		MP80	Square Rooter;Acc .5%;Dynamic Range 1.0k to 1.
11	426K#3	4	30	150m	200k†	21	100m†	22	07		MP80	Square Rooter;Acc .5%;Dynamic Range 1.0k to 1.
12	426L#3	4	30	150m	200k†	21	100m†	22	07		MP80	Square Rooter;Acc .5%;Dynamic Range 1.0k to 1.
13	428J#3	4	30	150m	25k†	21		22	28		MP80	Square Rooter;Error ±50mV;Non-Linearity .25%Δ.
14	428K#3	4	30	150m	25k†	21		22	28		MP80	Square Rooter;Error ±50mV;Non-Linearity .25%Δ.
15	AD530JD#2	4	30	180m	36k†	20	2.0kØ	20	07		TO116	Squarer, Square Rooter.
16	AD530KD#2	4	30	180m	36k†	20	2.0kØ	20	07		TO116	Squarer, Square Rooter.
17	AD533JD#3	4	30	180m	10M†	20 †	100 †	20	07		TO116	Squarer,Square Rooter;Error ±.8%.
18	AD533JH#3	4	30	180m	10M†	20 †	100 †	20	07		TO100	Squarer,Square Rooter;Error ±.8%.
19	AD533KD#3	4	30	180m	10M†	20 †	100 †	20	07		TO116	Squarer,Square Rooter;Error ±.4%.
20	AD533KH#3	4	30	180m	10M†	20 †	100 †	20	07		TO100	Squarer,Square Rooter;Error ±.4%.
21	AD533LD#3	4	30	180m	10M†	20 †	100 †	20	07		TO116	Squarer,Square Rooter;Error ±.2%.
22	AD533LH#3	4	30	180m	10M†	20 †	100 †	20	07		TO100	Squarer;Square Rooter;Error ±.2%.
23	AD533SD#3	4	30	180m	10M†	20 †	100 †	20	5C		TO116	Squarer,Square Rooter;Error ±.4%.
24	AD533SH#3	4	30	180m	10M†	20 †	100 †	20	5C		TO100	Squarer,Square Rooter;Error ±.4%.
25	AD530JH#2	4	30	200m	6.0M	10		10	07		TO100	Squarer, Square Rooter.
26	AD530KH#2	4	30	200m	6.0M	10		10	07		TO100	Squarer, Square Rooter.
27	AD530LD#2	4	30	200m	6.0M	10		10	07		TO116	Squarer, Square Rooter.
28	AD530LH#2	4	30	200m	6.0M	10		10	07		TO100	Squarer, Square Rooter.
29	AD530SD#2	4	30	200m	6.0M	10		10	07		TO116	Squarer, Square Rooter.
30	AD530SH#2	4	30	200m	6.0M	10		10	07		TO100	Squarer, Square Rooter.
31	427J#3	4	30	480m	10k†	21		20	28		MP155a	Square Rooter;Error ±20mV;Non-Linearity .08%.
32	427K#3	4	30	480m	10k†	21		20	28		MP155a	Square Rooter;Error ±20mV;Non-Linearity .08%.
33	4370	5			2.0k†	20		10 §	07		MP508h	RMS Module;Max Error 10mVDC ±.2% of Reading.
34	XR2207M⧄	5	12	78m	5.0k†		10 †	4.0	5C	Z365	MP319c	Volt Contr Osc;.01Hz To 1MHz;1.0k to 1 Sweep 34
35	XR2207N⧄	5	12	78m	5.0k†		10 †	4.0	07	Z365	MP319c	Volt Contr Osc;.01Hz To 1MHz;1.0k to 1 Sweep
36	XR2207P⧄	5	12	78m	5.0k†		10 †	4.0	07	Z365	MP319f	Volt Contr Osc;.01Hz To 1MHz;1.0k to 1 Sweep
37	XR2207CN⧄	5	12	90m	5.0k†		10 †	4.0	48	Z365	MP319c	Volt Contr Osc;.01Hz To 1MHz;1.0k to 1 Sweep
38	XR2207CP⧄	5	12	90m	5.0k†		10 †	4.0	48	Z365	MP319f	Volt Contr Osc;.01Hz To 1MHz;1.0k to 1 Sweep
39	NE566V	5	12	130m	1.0M†		50 †	5.0	07	Z171	MP216	Voltage Controlled Oscillator.
40	SE566T	5	12	130m	1.0M†		50 †	5.0	5C	Z171	CN1g	Voltage Controlled Oscillator.
41▼	NE566F	5	12	150m	1.0M†	5.0	50 †	1.9	07	Z171	MP319k	Voltage Controlled Oscillator
42▼	NE566N	5	12	150m	1.0M†	5.0	50 †	1.9	07	Z171a	MP549a	Voltage Controlled Oscillator
43♦	NE566T	5	12	150m	1.0M†	5.0	50 †	1.9	07	Z171	CN1g	Voltage Controlled Oscillator.
44	XR2207CP	5	12	625m	5.0k†		10 †		07	Z365	MP402	Voltage Controlled Oscillator;Freq .01Hz-1.0MHz.
45	XR2207P	5	12	625m	5.0k†		10 †		07	Z365	MP402	Voltage Controlled Oscillator;Stability 50ppm/°CΔ 45
46♦	XR205	5	12 §	750m			50 †	2.0 §	07	Z370	MP343a	Wave form Generator;freq 4.0MHz;tr,tf 20ns.
47	XR2206CN	5	12 §	750m⧄	50k	12 §	600 †	6.0 †	07	Z364	MP343a	Freq .01Hz-1.0MHz;Dist .5% typ;tr 250ns,tf 50ns.
48	XR2206CP	5	12 §	750m⧄	50k	12 §	600 †	6.0 †	07	Z364	MP343a	Freq .01Hz-1.0MHz;Dist .5% typ;tr 250ns,tf 50ns.
49	XR2206M	5	12 §	750m⧄	50k	12	600 †	6.0 †	07	Z364	MP343a	Freq .01Hz-1.0MHz;Dist .5% typ;tr 250n;tf 50ns.
50	XR2206N	5	12 §	750m⧄	50k	12 §	600 †	6.0 †	07	Z364	MP343a	Freq .01Hz-1.0MHz;Dist .5% typ;tr 250ns,tf 50ns.
51	XR2206P	5	12 §	750m⧄	50k	12 §	600 †	6.0 †	07	Z364	MP343a	Freq .01Hz-1.0MHz;Dist .5% typ;tr 250ns,tf 50ns.
52	XR2207CN	5	12	750m	5.0k†		10 †		07	Z365	MP402	Voltage Controlled Oscillator;Freq .01Hz-1.0MHz.
53	XR2207M	5	12	750m	5.0k†		10 †		5C	Z365	MP402	Voltage Controlled Oscillator;Freq .01Hz-1.0MHz.
54	XR2207N	5	12	750m	5.0k†		10 †		07	Z365	MP402	Voltage Controlled Oscillator;Stability 50ppm/°CΔ
55	MN350	5	24	900m			5.0	9.0	07	Z699	MP293	Sine;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 to -4.5.
56	MN350H	5	24	900m			5.0	9.0	5C	Z699	MP293	Sine;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 to -4.5.
57	MN351	5	24	900m			5.0	9.0	07	Z699	MP293	Parabolic;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 -4.5.
58	MN351H	5	24	900m			5.0	9.0	5C	Z699	MP293	Parabolic;Freq 0-10kHz;Vo 0 to 9,0 to-9,5.4 -4.5.
59	MN352	5	24	900m			5.0	9.0	07	Z699	MP293	S Wave;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 to -4.5
60	MN352H	5	24	900m			5.0	9.0	5C	Z699	MP293	S Wave;Freq 0-10kHz;Vo 0 to 9,0 to -9,4.5 to -4.5
61	M530J	5	30	135m	10M	20	8.0	20	28	Z273	TO100	Multiplier/Div/Squarer/Square Rooter;BW 1.0MHz.
62	M530K	5	30	135m	10M	20	8.0	20	28	Z273	TO100	Multiplier/Divider/Squarer/SquareRooter;BW 1.0MHz.
63	M530L	5	30	135m	10M	20	8.0	20	28	Z273	TO100	Multiplier/Divider/Squarer/SquareRooter;BW 1.0MHz.
64	M530S	5	30	135m	10M	20	8.0	20	5C	Z273	TO100	Multiplier/Divider/Squarer/SquareRooter;BW 1.0MHz.
65	VM101	5	30	150m†	1.0M†	20	100m		28		MP5be	Acc 1.0% F.S.;BW 3db 1.0MHz;ΔIo 5.0mA.
66	590	5	30	210m†	5.0k†	20 †	1.0 †	10 †§	28	Z400	MP5bh	RMS-to-DC Converter;Freq 0 to 20kHz.
67	LR101	5	30	210m⧄		9.9			06		MP506	Programmable Multi Function,Log-Ratio Operator.
68	LR102	5	30	210m⧄		9.9			06		MP506	Programmable Multi Function,Log-Ratio Operator.
69	591	5	30	240m†	2.5k†	20 †	1.0 †	10 †§	28	Z401	MP5bx	RMS-to-DC Converter;Freq 0 to 20kHz.
70	9014	5	30	240m	1.0k	20	10M		59	Z444	MP457a	Absolute Value Module;Freq DC-30MHz;Gain 400uA/V.
71	5040	5	30	270m	10k†	10 §	1.0	10 §	5A		MP⧄	True RMS Converter;BW 0-100kHz*;Error ±.5%.
72	435#3	5	30	300m	90k	10		10	07	Z462	MP488	Poly Function:Exp Function;Sq,Sq rt;Vi,Vo 0-10Vdc
73	440J	5	30	300m	10k†	20	100m†	10 §	28		MP5cj	True RMS-to-DC Converter;Acc .1%.
74	440K	5	30	300m	10k†	20	100m†	10 §	28		MP5cj	True RMS-to-DC Converter;Acc .1%.
75	441J	5	30	300m	8.3k†	20	100m†	10 §	28		MP5cr	True RMS-to-DC Converter;Acc 1%.
76	441K	5	30	300m	8.3k†	20	100m†	10 §	28		MP5cr	True RMS-to-DC Converter;Acc 1%.
77	592	5	30	300m†	2.5k†	10 †§	1.0 †	10 †§	28	Z857	MP433	RMS-to-DC Converter;Freq 50Hz to 100kHz.
78	4302	5	30	300m	90k	10		10	28	Z435	MP454	Multifunction Converter;Vector,Sine,Cos,Expo.
79	5070	5	30	300m	100k	10 §	1.0k	10 §	5A		MP544	Programmable Multifunction Module.
80	A733	5	30	300m	100k	10 §	1.0	10 §	28	Z271	MP138a	Multi-Log Function Module.
81	A733J	5	30	300m	90k†	10 §	1.0	11 §†	28	Z271	MP138a	Multi-Log Function Module
82	A734	5	30	300m	100k†	10 §	1.0	11 §†	28	Z864	MP138a	Multi-Log Function Module
83	R101	5	30	300m†	250k†	20	1.0	10 §	28		MP179a	Vo(DC) equal to V1(RMS);BW 3db 1.0MHz;ΔIo 5.0mA.
84	442J	5	30	360m†	2.5k†	20	100m†	10	07		MP508r	RMS-To-DC Conv;Max Drift:±100uV±.01%/°C
85	442K	5	30	360m†	2.5k†	20	100m†	10	07		MP508r	RMS-To-DC Conv;Max Drift:±50uV±.01%/°C
86	442L	5	30	360m†	2.5k†	20	100m†	10	07		MP508r	RMS-To-DC Conv;Max Drift:±35uV±.01%/°C
87	4352	5	30	450m	10k†	20		20	07		MP542	Average-rms-vector Module;TC .1%/°CΔ.
88	4371	5	30	450m	25k†	10 §		10 §	06	Z544	MP138b	Mult-Funct Mod;Vos ±5.0mV max;Outp Error 50mVΔ.
89	4371-01	5	30	450m	25k†	10 §		10 §	28	Z544	MP138b	Mult-Funct Mod;Vos ±2.0mV max;Outp Error 25mVΔ.
90♦	ICL8038AMDD	5	30	450m		30 Δ	200 †	28	5C	Z279	MP153b	WAVE FORM GEN;FREQ DRIFT STABILITY 50ppm/°c max.
91▼	ICL8038AMJD	5	30	450m		30 Δ	200 †	6.0	5C	Z279	MP152a	Wave Form Gen;Freq Drift Stability 50ppm/°CΔ
92♦	ICL8038BMDD	5	30	450m		30 Δ	200 †	28	5C	Z279	MP153b	Waveform Gen.;Freq Drift Stability 100ppm/°C max.
93▼	ICL8038BMJD	5	30	450m		30 Δ	200 †	6.0	5C	Z279	MP152a	Wave Form Gen;Freq Drift Stability 100ppm/°CΔ
94	MF433	5	30	450m⧄		9.9		10	06		MP512	Programmable Multi Function,Log-Ratio Operator.
95	MF434	5	30	450m⧄		9.9		10	06		MP512a	Programmable Multi Function,Log-Ratio Operator.
96	MF435	5	30	450m⧄		9.9		10	06		MP512a	Programmable Multi Function,Log-Ratio Operator.
97	6210	5	30	600m	5.0k†	10 §	1.0	20	58		MP⧄	Vector Generator;Hold Time 2.0us*.
98♦	ICL8038ACPD	5	30	600m		30 Δ	200 †	6.0	07	Z279	MP153b	Wave Form Gen;Freq Drift Stability 50ppm/°CΔ
99♦	ICL8038BCPD	5	30	600m		30 Δ	200 †	6.0	07	Z279	MP153b	Wave Form Gen;Freq Drift Stability 100ppm/°CΔ
100♦	ICL8038CCPD	5	30	600m		30 Δ	200 †	6.0	07	Z279	MP153b	Wave Form Gen;Freq Drift Stability 50ppm/°C†
101	6230	5	30	750m	5.0k†	20	1.0	10 §	58		MP⧄	Vector Calculator;Set Up Time 10usΔ.
102	5889	5	30	810m	6.5k	20	1.0	10 §	58		MP82a	True RMS Converter;Error 3%Δ;BW 1.0MHz*.
103	6220	5	30	900m	5.0k†	20	1.0	10 §	58		MP⧄	Vector Calculator;Set Up Time 10usΔ.
104	5090	5	30	1.8	3.0M†	20 †	1.0	20	58	Z907	MP686	Polar-To-Cartesian Coordinate Converter;Acc 3.5%
105	4130J	5	30	1.2k	10k	23	60m	2.0	27		MP204b	RMS-to DC Converter.
106	4130K	5	30	1.2k	10k	23	60m	2.0	27		MP204b	RMS-to-DC Converter.
107▼	4423	6	30	270m			1.0	6.5	28	Z966	MP454	Freq Quad Osc;.002Hz to 20kHz;Vo 7.5VrmsΔ;Io5.0mA
108♦	LM3909N	7	1.5 §	500m				2.0 §	27	Z992	MP491c	LED Flasher;Freq .65Hz to 1.0kHz;Pluse Width 6.0ms
109	LM175D	7	5.0 ♦§	500m	4.5k		100k		5C	Z808	MP490	Oscillator and Buffer with TTL Out;BW 3dB 200MHz†
110	LM275D	7	5.0 ♦§	500m	4.5k		100k		28	Z808	MP490	Oscillator and Buffer with TTL Out;BW 3dB 200MHz†

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. SPECIAL FUNCTIONS

IN ORDER OF (1) USE (2) TOTAL VOLTAGE (3) MAX IDLE POWER & (4) TYPE No.

LINE No.	4 TYPE No.	1 USE	PWR SUP @25°C RATED SPECS 2 TOT. VOLT. (ΔV)	3 MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPED-ANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	TC EO MD PE -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	LM375D	7	5.0 ◆§	500m	4.5k		100k		07	Z808	MP490	Oscillator and Buffer with TTL Out;BW 3dB 200MHz†
2	LM375N	7	5.0 ◆§	500m	4.5k		100k		07	Z808	MP39n	Oscillator and Buffer with TTL Out;BW 3dB 200MHz†
3#	TBA720	7	12 §	138m		2.4		10 †	06	Z308	MP337d	Line Oscillator Ckt.
4#	TBA720Q	7	12 §	138m		2.4		10 †	06	Z308	MP256	Line Oscillator Ckt.
5#	TBA720A	7	12 §	216m		2.4		8.0 †	06	Z309	MP337d	Line Oscillator Ckt.
6#	TBA720AQ	7	12 §	216m		2.4		8.0 †	06	Z309	MP256	Line Oscillator Ckt.
7	XR2209CP	7	12	300m⧄			4.7kØ	11	07	Z927	MP401	Precision Osc;Sq,Triangle Out;.01Hz-1.0MHz
8	XR2209CN	7	12	385m⧄			4.7kØ	11	07	Z927	MP401	Precision Osc;Sq,Triangle Out;.01Hz-1.0MHz
9	XR2209M	7	12	385m⧄			4.7kØ	11	5C	Z927	MP401	Precision Osc;Sq,Triangle Out;.01Hz-1.0MHz
10	RV555DC	7	15	150m			22		28		TO116	
11	RV555NB	7	15	150m			22		28		MP48	
12	280	7	15	225m			1.0	13	28	Z531	MP5cp	Used With 279J.
13	RV556DC	7	15	300m			22		5C		TO116	
14	S100	7	28 §	28m†			2.5k†	5.6 †	08		MP63	Tc .05%/°CΔ#; Dist 5.0%Δ; Freq 400-50kHz;RL35kohms
15	S200	7	28 §	28m†			2.5k†	5.6 †	08		MP66	Tc .05%/°CΔ#; Dist 5.0%Δ; Freq 25-50 kHz;RL35kohms
16	4023-25	7	30	1.2			1.0 †	17	28		MP290	Precision Oscillator.
17	A8495#3	8	15	750m	20M†	12 †	300k†	14 †	07			4 Quadrant;Outp Error ±1.5%;BW3dB 3.0MHz
18	A8595#3	8	15	750m	35M†	13 †	300k†	14 †	5C			4 Quadrant;Outp Error ±1.5%;BW3dB 3.0MHz
19	AD534JH#2	8	30	90m	10M†	20	100m†	22	07	Z764	TO100	2 Quadrant Divider;1.0MHz BW 3dB;Error ±.75% Typ
20	AD534KH#2	8	30	90m	10M†	20	100m†	22	07	Z764	TO100	2 Quadrant Divider;1.0MHz BW 3dB;Error ±.35% Typ
21	AD534LH#2	8	30	90m	10M†	20	100m†	22	07	Z764	TO100	2 Quadrant Divider;1.0MHz BW 3dB;Error ±.20% Typ
22	AD534SH#2	8	30	90m	10M†	20	100m†	22	5C	Z764	TO100	2 Quadrant Divider;1.0MHz BW 3dB;Error ±.75% Typ
23	AD534TH#2	8	30	90m	10M†	20	100m†	22	5C	Z764	TO100	2 Quadrant Divider;1.0MHz BW 3dB;Error ±.35% Typ
24	432J#2	8	30	135m	10k†	20	100m	20	28		MP222	Acc 2.0%;FPBW 750kHz;3db 1.0MHz;Io ±5.0mA*.
25	432K#2	8	30	135m	10k†	20		20	28		MP222	Acc 1.0%;FPBW 750kHz;3db 1.0MHz;Io ±5.0mA*.
26	426A#2	8	30	150m	200k†	21	100m†	22	28		MP80	BW 400kHz;SR 5.0V/us;No 500uVrms;Vos ±20mV.
27	426K#2	8	30	150m	200k†	21	100m†	22	07		MP80	BW 400kHz;SR 5.0V/us;No 500uVrms;Vos ±20mV.
28	426L#2	8	30	150m	200k†	21	100m†	22	07		MP80	BW 400kHz;SR 5.0V/us;No 500uVrms;Vos ±20mV.
29	428J#2	8	30	150m	25k†	21	100m	22	28		MP80	Acc .50%;FPBW 70kHz;3db 300kHz;Io ±11mA*.
30	428K#2	8	30	150m	25k†	21	100m	22	28		MP80	Acc .50%;FPBW 70kHz;3db 300kHz;Io ±11mA*.
31	AD530JD#3	8	30	180m	36k†	20	2.0kØ	20	07		TO116	
32	AD530KD#3	8	30	180m	36k†	20	2.0kØ	20	07		TO116	
33	AD532JD#2	8	30	180m	10M†	20	1.0 †	20	07	Z396	TO116	2 Quadrant Pre-Trimmed Mon;Error ±2%;FPBW 750kHz.
34	AD532JH#2	8	30	180m	10M†	20	1.0 †	20	07	Z396	TO100	2 Quadrant Pre-Trimmed Mon;Error ±2%;FPBW 750kHz.
35	AD532KD#2	8	30	180m	10M†	20	1.0 †	20	07	Z396	TO116	2 Quadrant Pre-Trimmed Mon;Error ±1%;FPBW 750kHz.
36	AD532KH#2	8	30	180m	10M†	20	1.0 †	20	07	Z396	TO100	2 Quadrant Pre-Trimmed Mon;Error ±1%;FPBW 750kHz.
37	AD532SD#2	8	30	180m	10M†	20	1.0 †	20	5C	Z396	TO116	2 Quadrant Pre-Trimmed Mon;Error ±1%;FPBW 750kHz.
38	AD532SH#2	8	30	180m	10M†	20	1.0 †	20	5C	Z396	TO100	2 Quadrant Pre-Trimmed Mon;Error ±1%;FPBW 750kHz.
39	AD533JD#2	8	30	180m	10M†	20 †	100 †	20	07		TO116	2 Quadrant;Error ±1%;FPBW 750kHz;SR 45V/us.
40	AD533JH#2	8	30	180m	10M†	20 †	100 †	20	07		TO100	2 Quadrant;Error ±1%;FPBW 750kHz;SR 45V/us.
41	AD533KD#2	8	30	180m	10M†	20 †	100 †	20	07		TO116	2 Quadrant;Error ±.5%;FPBW 750kHz;SR 45V/us.
42	AD533KH#2	8	30	180m	10M†	20 †	100 †	20	07		TO100	2 Quadrant;Error ±.5%;FPBW 750kHz;SR 45V/us.
43	AD533LD#2	8	30	180m	10M†	20 †	100 †	20	07		TO116	2 Quadrant;Error ±.2%;FPBW 750kHz;SR 45V/us.
44	AD533LH#2	8	30	180m	10M†	20 †	100 †	20	07		TO100	2 Quadrant;Error ±.2%;FPBW 750kHz;SR 45V/us.
45	AD533SD#2	8	30	180m	10M†	20 †	100 †	20	5C		TO116	2 Quadrant;Error ±.5%;FPBW 750kHz;SR 45V/us.
46	AD533SH#2	8	30	180m	10M†	20 †	100 †	20	5C		TO100	2 Quadrant;Error ±.5%;FPBW 750kHz;SR 45V/us.
47	AD531JD#2	8	30	195m	80M†	20	100 †	20	07	Z395	TO116	2 Quadrant;Non-Linear ±.8%;CMR 40db*;SR 45V/us.
48	AD531KD#2	8	30	195m	80M†	20	100 †	20	07	Z395	TO116	2 Quadrant;Non-Linear ±.5%;CMR 40db*;SR 45V/us.
49	AD531LD#2	8	30	195m	80M†	20	100 †	20	07	Z395	TO116	2 Quadrant;Non-Linear ±.3%;CMR 60db*;SR 45V/us.
50	AD531SD#2	8	30	195m	80M†	20	100 †	20	07	Z395	TO116	2 Quadrant;Non-Linear ±.5%;CMR 40db*;SR 45V/us.
51	AD530JH#3	8	30	200m	6.0M	10		10	07		TO100	
52	AD530KH#3	8	30	200m	6.0M	10		10	07		TO100	
53	AD530LD#3	8	30	200m	6.0M	10		10	07		TO116	
54	AD530LH#3	8	30	200m	6.0M	10		10	07		TO100	
55	AD530SD#3	8	30	200m	6.0M	10		10	07		TO116	
56	AD530SH#3	8	30	200m	6.0M	10		10	07		TO100	
57	434A	8	30	240m	100k†	20	100m	21	28	Z392	MP80	Analog;Outp Error ±.5%;3dbBW 100kHz;VOS 100uV.
58	434B	8	30	240m	100k†	20	100m	21	28	Z392	MP80	Analog;Outp Error ±.25%;3dbBW 100kHz;VOS 100uV.
59	435#2	8	30	300m	90k	10		10	07	Z462	MP488	Poly function:Divider:Error ±25mV†,BW 60kHz.
60	540J	8	30	300m†	100k†	100m	1.0	20 †	28	Z398	MP138d	Acc ±1.5%;3dB 70kHz†;Full Power 8.0kHz†
61	540K	8	30	300m†	100k†	100m	1.0	20 †	28	Z398	MP138d	Acc ±1.25%;3dB 70kHz†;Full Power 8.0kHz†
62	540L	8	30	300m†	100k†	100m	1.0	20 †	28	Z398	MP138d	Acc ±0.1%;3dB 70kHz†;Full Power 8.0kHz†
63	D210	8	30	300m	23k	24	400m	20	06		MP500	Analog Dividers:Output 10Z/X;RL2kΩΔ;BW 300kHz.
64	D211	8	30	300m	23k	24	400m	20	06		MP500	Analog Dividers:Output 10Z/X;RL2kΩΔ;BW 300kHz.
65▼	4291H	8	30	352m†	25k†	20 †	100m†	20	27	Z965	MP454	BW 3db 400kHz;Acc 1%;No 50mVΔ;Io ±5mA*
66▼	4291J	8	30	352m†	25k†	20 †	100m†	20	27	Z965	MP454	BW 3db 400kHz;Acc .5%;No 50mVΔ;Io ±5mA*
67▼	4291K	8	30	352m†	25k†	20 †	100m†	20	27	Z965	MP454	BW 3db 400kHz;Acc .25%;No 50mV;Io ±5mA*
68	427J#2	8	30	480m	10k†	21	100m	20	28		MP155a	Acc .25%;FPBW 30kHz;3db 100kHz;Io ±7.0mA*.
69	427K#2	8	30	480m	10k†	21	100m	20	28		MP155a	Acc .20%;FPBW 30kHz;3db 100kHz;Io ±7.0mA*.
70	4290	8	30	900m†	25k†	100m	1.0	20	28		MP298b	Wide Dynamic Range Divider.
71	101#2	8	30	1.2 †	60k†	20 †		20 †	06	Z915	MP149	Acc ±.20% max;BW 100Hz;Io 10mA;Output 10Z/Y
72	103#2	8	30	1.2 †	60k†	20 †		20 †	06	Z915	MP149	Acc ±.10% max;BW 100Hz;Io 10mA;Output 10Z/Y
73	106A	8	30	1.2 †	90k†	20 †		20 †	06	Z915a	MP149	Acc ±.10% max;BW 100Hz;Io 10mA;Output 10Z/Y
74	4706-02	9		1.0	1.0M†	20	50m		07	Z549	MP508n	Freq 0.0-1.0MHz;FS Vo0-9.9V;ΔVfs vs Temp40ppm/°CΔ
75	A8402#2	9	12 §	240m	17k†	12 §		10 §†	28	Z757	MP⧄	Linearity ±.10%Δ;TC ±100ppm/°C;Freq Rng 0-200kHzØ
76	A8404#1	9	12 §	240m	17k†	9.0 §		10 §†	28	Z757	MP⧄	Linearity ±.40%Δ;Freq Rng 0-1MhzØ
77	LM2907N8	9	12 §	500m⧄		10 §	10M†	10	48			Freq 1-10kHz†;Lin 1%;Isink 50mA†;Tach Vi Rng ±28V
78	LM2907N	9	12 §	500m⧄		10 §	10M†	10	48			Freq 1-10kHz†;Lin 1%;Isink 50mA†;Tach Vi Rng 28V§
79	LM2917N8	9	12 §	500m⧄		10 §	10M†	10	48			Freq 1-10kHz†;Lin 1%;Isink 50mA†;Tach Vi Rng ±28V
80	LM2917N	9	12 §	500m⧄		10 §	10M†	10	48			Freq 1-10kHz†;Lin 1%;Isink 50mA†;Tach Vi Rng 28V§
81	XR4151CP#2	9	15 §	90m		0.0		100m†	07	Z758	MP⧄	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
82	XR4151CT#2	9	15 §	90m		0.0		100m†	07	Z758a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
83	XR4151MT#2	9	15 §	90m		0.0		100m†	5C	Z758a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
84	XR4151P#2	9	15 §	90m		0.0		100m†	48	Z758	MP⧄	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
85	XR4151T#2	9	15 §	90m		0.0		100m†	48	Z758a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
86	9510⧄	9	15 §	300m	150k	15	100m	20 §	07	Z767	MP642	
87	9511	9	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642a	
88	9520	9	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642	
89	9521	9	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642a	
90	410⧄	9	28 §	30m	2.0k	5.0	10k†	5.0	58			Freq. 0.0-100KHZ; Tc 500uV/°CΔ;Acc 1.0%Δ.
91	430⧄	9	28 §	30m	2.0k	5.0	10k†	5.0	58			Freq 0.0-100kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
92	440⧄	9	28 §	30m	2.0k	5.0	10k†	5.0	58			Freq 0.0-100kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
93	410KF	9	28 §	700m	40k†	2.0	10k†	5.0 †§	58		MP65	Freq 0.0-100Hz;Tc 500uV/°CΔ;Acc 1.0%Δ.
94	420KF	9	28 §	700m	40k†	2.0	10k†	5.0 †§	58		MP65	Freq 0.0-1.0kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
95	430KF	9	28 §	700m	40k†	2.0	10k†	5.0 †§	58		MP65	Freq 0.0-10kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
96	440KF	9	28 §	700m	40k†	2.0	10k†	5.0 †§	58		MP65	Freq 0.0-100kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
97	450KF	9	28 §	700m	1.0k	20m	10k†	5.0	05			Freq 0.0-100Hz;Tc 500uV/°CΔ;Acc 1.0%Δ.
98	460KF	9	28 §	700m	1.0k	20m	10k†	5.0	05			Freq 0.0-1.0kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
99	470KF	9	28 §	700m	1.0k	20m	10k†	5.0	05			Freq 0.0-10kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
100	480KF	9	28 §	700m	1.0k	20m	10k†	5.0	05			Freq 0.0-100kHz;Tc 500uV/°CΔ;Acc 1.0%Δ.
101	451J	9	30	230m†	10M†	30 Δ	100m†	9.9 †	07	Z763	MP508s	F/V Conv;0.0 To 10kHz;Non-Linearity±.03% Max
102	451K	9	30	230m†	10M†	30 Δ	100m†	9.9 †	07	Z763	MP508s	F/V Conv;0.0 To 10kHz;Non-Linearity±.015% Max
103	451L	9	30	230m†	10M†	30 Δ	100m†	9.9 †	07	Z763	MP508s	F/V Conv;0.0 To 10kHz;Non-Linearity±.008% Max
104	453J	9	30	230m†	10M†	30 Δ	100m†	9.9 †	07	Z763	MP508s	F/V Conv;0.0 To 100kHz;Non-Linearity±.03% Max
105	453K	9	30	230m†	10M†	30 Δ	100m†	9.9 †	07	Z763	MP508s	F/V Conv;0.0 To 100kHz;Non-Linearity±.015% Max.
106	453L	9	30	230m†	10M†	30 Δ	100m†	9.9 †	07	Z763	MP508s	F/V Conv;0.0 To 100kHz;Non-Linearity±.008% Max
107	4341	9	30	360m†	5.0k	20	1.0	10	28	Z436	MP454	True RMS to DC Convert;Accuracy ±.2% ±2mV.
108	3338	9	30	390m	1.0k	2.0	1.0	10 §	5A		MP5cf	Freq 0-10kHz;TC ±.01%/°CΔ;Non-Linearity .02%Δ.
109	A8400#2	9	30	450m	3.0k†		10	10 §	28	Z868	MP⧄	Linearity ±.05%Δ;TC ±150ppm/°C†;Freq 0-100kHz
110	4722	9	30	480m	10M†	24	200m	22	06		MP516d	Freq 0-10kHz;Non Lin ±.03% FS Plus ±.03% Signal

10. SPECIAL FUNCTIONS

LINE No.	[4] TYPE No.	[1] USE	PWR SUP @25°C RATED SPECS [2] TOT. VOLT. (ΔV)	[3] MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPED-ANCE (Ω)	VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	MIN VOLT RANGE (ΔV)	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	A849	9	30	480m	20k	24	1.0		28	Z732	MP199b	Linearity .01%Δ;TC ±50ppm/°C;Freq 100kΔ;Vos ±10mV
2	3382	9	30	510m	10k	200m	1.0	10 §	27		MP241	Freq 0-100Hz*;TC ±.01%FS/°CΔ;Non-Linear .03%Δ.
3	3383	9	30	510m	10k	1.0 §	1.0	10	27		MP241	Freq 0-100Hz*;TC ±.01%FS/°CΔ;Non-Linearity .03%Δ.
4	4702	9	30	540m	1.0M†	24	50m	9.9 §	06	Z547	MP508k	Freq 0.0-10kHz;FS Vo10V;Vos±10mV;Linearity±.008%
5	4714	9	30	540m	1.0M†	24	200m	9.9 §	06	Z547	MP508k	Freq 0.0-10kHz;Non Lin .09% of FSΔ
6	A848	9	30	540m	20k	24	1.0		28	Z732	MP199b	Linearity .01%Δ;TC ±50ppm/°C;Freq 10kΔ;Vos ±10mV
7▼	4708-03	9	30	570m	1.0M†	24	50m	9.9 §	07	Z547	MP508m	Freq 0.0-10kHz;ΔVfs vs Temp 6.0ppm/°CΔ
8♦	4708	9	30	585m	1.0M†	24	50m	9.9 §	07	Z547	MP508m	Freq 0.0-10kHz;ΔVfs vs Temp 44ppm/°CΔ
9	4710	9	30	585m	1.0M†	24	50m	9.9 §	06	Z547	MP508m	Freq 0.0-100kHz;FS Vo 0.0-9.9V;Stab 44ppm/°CΔ.
10	3910	9	30	600m	2.0k	5.0	1.0	10	5C		MP656	Freq 0-15MHz;Non-Linearity 1.0%†;TC 10mV/°C
11	4704	9	30	660m	23k†	24	100m	9.9 §	06	Z547a	MP508m	Freq 0-100kHz;Vos ±10mVΔ;Lin ±.05% of FSΔ
12	9010	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-11kHz;Gain TC ±30ppm Of FS/°CΔ
13	9011	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-11kHz;Gain TC ±20ppm Of FS/°CΔ
14	9012	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-11kHz;Gain TC ±10ppm Of FS/°CΔ
15	9110∅	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-110kHz;Gain TC ±30ppm Of FS/°CΔ
16	9111	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-110kHz;Gain TC ±20ppm Of FS/°CΔ
17	9112	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-110kHz;Gain TC ±10ppm Of FS/°CΔ
18	9200	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-1.10kHz;Gain TC ±150ppm Of FS/°CΔ
19	9201	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-1.10kHz;Gain TC ±30ppm Of FS/°CΔ
20	9202	9	30	675m	3.0k†		50m	9.9 §	07	Z685	MP5cv	Freq 0.0-1.10kHz;Gain TC ±10ppm Of FS/°CΔ
21	A845	9	30	825m	20k	24	1.0	10 §	28	Z732	MP199b	Linearity .02%Δ;TC ±5.0ppm/°C;Freq 1.0MΔ;Vos±10mV
22	4706	9	30	1.6	1.0M†	24 †	50m	9.9 §	06	Z549	MP508n	Freq 0.0-1.0MHz;FS Vo0-9.9V;ΔVfs vs Temp150ppm/°CΔ
23	VFC32BM#1	9	30	135 †	1.0M	30 Δ	1.0	10 §	28	Z852	TO100	FS Freq 500kHzΔ;FS Gain Error 5% FSR†;F.T. 400nsΔ
24	VFC32KP#1	9	30	135 †	1.0M	30 Δ	1.0	10 §	06	Z853	MP447a	FS Freq 500kHzΔ;FS Gain Error 5% FSR†;F.T. 400nsΔ
25	VFC32SM#1	9	30	135 †	1.0M	30 Δ	1.0	10 §	5C	Z852	TO100	FS Freq 500kHzΔ;FS Gain Error 5% FSR†;F.T. 400nsΔ
26▼	SSM2030	10	30	480m				10	27	Z982	MP∅	Freq. 0.0-200kHz;Sawtooth,Triangle,Pulse Outputs
27	4707-01	11		600m	12k†	2.0 †	670		05	Z548a	MP508p	Freq 100-5.0MHz;FS Vo9.9V;TC±80ppm/°C of FSΔ.
28	4707-02	11		600m	12k†	2.0 †	670		05	Z548a	MP508p	Freq 100-5.0MHz;FS Vo9.9V;TC±40ppm/°C of FSΔ.
29▼	VFQ-1C	11	10	40m	10u*§	50 *	10 *	10 §	07	Z988	MP319g	Freq V/F or F/V Conv 10-10kHz at.05%ΔLin
30▼	VFQ-1R	11	10	40m	10u*§	50 *	10 *	10 §	07	Z988	MP319g	Freq V/F or F/V Conv 10-10kHz at.05%Lin
31	A8402#1	11	12 §	240m	17k†	12 §			28	Z756	MP∅	Linearity ±.10%Δ;TC ±100ppm/°C;Freq 0-100kHz
32	A8404#2	11	12 §	240m	17k†	9.0 §			28	Z756	MP∅	Linearity ±.40%Δ;Freq Rng 0-1MHz∅
33▼	RC4152DE	11	15 §	90m		12			07		MP401j	Vi 10mV to 10V;Freq Out 10Hz to 10kHz
34▼	RC4152NB	11	15 §	90m		12			07		MP491	Vi 10mV to 10V;Freq Out 10Hz to 10kHz
35▼	RC4152T	11	15 §	90m		12			07		TO99	Vi 10mV to 10V;Freq Out 10Hz to 10kHz
36▼	RM4152DE	11	15 §	90m		12			5C		MP401j	Vi 10mV to 10V;Freq Out 10Hz to 10kHz
37▼	RM4152T	11	15 §	90m		12			5C		TO99	Vi 10mV. to 10V;Freq Out 10Hz to 10kHz
38▼	RV4152DE	11	15 §	90m		12			48		MP401j	Vi 10mV to 10V;Freq Out 10Hz to 10kHz
39▼	RV4152NB	11	15 §	90m		12			48		MP491	Vi 10mV to 10V;Freq Out 10Hz to 10kHz
40	XR4151CP#1	11	15 §	90m		0.0		100m†	07	Z758	MP∅	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
41	XR4151CT#1	11	15 §	90m		0.0		100m†	07	Z758a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
42	XR4151MT#1	11	15 §	90m		0.0		100m†	5C	Z758a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
43	XR4151P#1	11	15 §	90m		0.0		100m†	48	Z758	MP∅	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
44	XR4151T#1	11	15 §	90m		0.0		100m†	48	Z758a	TO99	Freq 0-10kHz;Linearity ±0.05%;TC ±100%ppm/°C Typ
45▼	uA4151HC	11	15 §	105m		0.0		10 §	07	Z990	CN1d	Vos 10mVΔ;Ios ±100nAΔ;Io 138.7uA†
46▼	uA4151RC	11	15 §	105m		0.0		10 §	07	Z990a	MP401b	Vos 10mVΔ;Ios ±100nAΔ;Io 138.7uA†
47▼	uA4151TC	11	15 §	105m		0.0		10 §	07	Z990a	MP48	Vos 10mVΔ;Ios ±100nAΔ;Io 138.7uA†
48▼	uA7151DC	11	15 §	105m		0.0		10 §	07	Z990b	TO116	Vos 5.0mVΔ;Ios 50nAΔ;Ibias -250nAΔ;SR 600mV/us
49▼	uA7151PC	11	15 §	105m		0.0		10 §	07	Z990b	TO116	Vos 5.0mVΔ;Ios 50nAΔ;Ibias -250nAΔ;SR 600mV/us
50	RC4151DE	11	15 §	112m		10m*		15 §	07	Z653a	MP401j	TC ±100ppm/°C Typ;Linearity ±0.05% Typ
51	RC4151NB	11	15 §	112m		10m*		15 §	07	Z653a	MP401k	T.C. ±100%ppm/°C Typ;Linearity ±0.05% Typ
52	RC4151T	11	15 §	112m		10m*		15 §	07	Z653	TO99	T.C. ±100%ppm/°C Typ;Linearity ±0.05% Typ
53	RM4151DE	11	15 §	112m		10m*		15 §	5C	Z653a	MP401j	TC ±100ppm/°C Typ;Linearity ±0.05% Typ
54	RM4151T	11	15 §	112m		10m*		15 §	5C	Z653	TO99	T.C. ±100%ppm/°C Typ;Linearity ±0.05% Typ
55	RV4151DE	11	15 §	112m		10m*		15 §	48	Z653a	MP401j	TC ±100ppm/°C Typ;Linearity ±0.05% Typ
56	RV4151NB	11	15 §	112m		10m*		15 §	48	Z653a	MP401k	T.C. ±100%ppm/°C Typ;Linearity ±0.05% Typ
57	RV4151T	11	15 §	112m		10m*		15 §	48	Z653	TO99	TC ±100ppm/°C Typ;Linearity ±0.05% Typ
58	9001∅	11	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642	
59	9002	11	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642a	
60	9003	11	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642	
61	9004∅	11	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642a	
62	9005	11	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642	
63	9006	11	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642a	
64	9007	11	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642	
65	9008∅	11	15 §	300m	3.0k	15	100m	20 §	06	Z767	MP642a	
66	8001	11	16 §	352m	50k	10 §		5.5 §	06	Z684	MP589	Freq0-100kHz;Nonlinearity±.025%Δ;TC±50ppm/°C FSΔ
67	8002	11	16 §	352m	50k	10 §		5.5 §	07	Z684	MP589a	Freq 0-100kHz;Non-linearity±.025%Δ;TC±50ppm/°CFSΔ
68	8003	11	16 §	352m	50k	10 §		5.5 §	07	Z684	MP589	Freq0-100kHz;Nonlinearity±.05%Δ;TC±150ppm/°C FSΔ
69	8004	11	16 §	352m	50k	10 §		5.5 §	07	Z684	MP589a	Freq0-100kHz;Nonlinearity±.05%Δ;TC±150ppm/°C FSΔ
70	8005	11	16 §	352m	100k	10 §		5.5 §	07	Z684	MP589	Freq0-10kHz;Nonlinearity±.025%Δ;TC±50ppm/°C FSΔ
71	8006	11	16 §	352m	100k	10 §		5.5 §	07	Z684	MP589a	Freq0-10kHz;Nonlinearity±.025%Δ;TC±50ppm/°C FSΔ
72	8007	11	16 §	352m	100k	10 §		5.5 §	07	Z684	MP589	Freq0-20kHz;Nonlinearity±.025%Δ;TC±50ppm/°C FSΔ
73	8008	11	16 §	352m	100k	10 §		5.5 §	07	Z684	MP589a	Freq0-20kHz;Nonlinearity±.025%Δ;TC±50ppm/°C FSΔ
74	8510	11	16 §	352m	100k	10 §			07	Z684	MP589	Freq 10kHz;Linearity ±.04%Δ;TC±100ppm/°C FSΔ
75	8511	11	16 §	352m	100k	10 §			07	Z684	MP589a	Freq 10kHz;Linearity ±.04%Δ;TC±100ppm/°C FSΔ
76	8520	11	16 §	352m	100k	10 §			07	Z684	MP589	Freq 20kHz;Linearity ±.04%Δ;TC±100ppm/°C FSΔ
77	8521	11	16 §	352m	100k	10 §			07	Z684	MP589a	Freq 20kHz;Linearity ±.04%Δ;TC±100ppm/°C FSΔ
78	8220∅	11	20	26m	100k†	5.0 §			07	Z681	MP588a	Freq 1.0kHz;Linearity ±.0005%;TC ±20ppm/°C FSΔ
79	8221	11	20	26m	100k†	5.0 §			07	Z681	MP588a	Freq 1.0kHz;Linearity ±.0005%;TC ±10ppm/°C FSΔ
80	8222	11	20	26m	100k†	5.0 §			07	Z681	MP588a	Freq 1.0kHz;Linearity ±.0005%;TC ±5.0ppm/°C FSΔ
81	8230	11	20	26m	100k†	5.0 §			07	Z681	MP588a	Freq 10kHz;Linearity ±.0005%;TC ±20ppm/°C FSΔ
82	8231	11	20	26m	100k†	5.0 §			07	Z681	MP588a	Freq 10kHz;Linearity ±.0005%;TC ±10ppm/°C FSΔ
83	8232	11	20	26m	100k†	5.0 §			07	Z681	MP588a	Freq 10kHz;Linearity ±.0005%;TC ±5.0ppm/°C FSΔ
84	8200	11	20	74m	100k†	5.0 §			07	Z681	MP588	Freq 1.0kHz;Linearity ±.0005%;TC ±20ppm/°C FSΔ
85	8201	11	20	74m	100k†	5.0 §			07	Z681	MP588	Freq 1.0kHz;Linearity ±.0005%;TC ±10ppm%/°C FSΔ
86	8202	11	20	74m	100k†	5.0 §			07	Z681	MP588	Freq 1.0kHz;Linearity ±.0005%;TC ±5.0ppm/°C FSΔ
87	8210	11	20	74m	100k†	5.0 §			07	Z681	MP588	Freq 10kHz;Linearity ±.0005%;TC ±20ppm/°C FSΔ
88	8211	11	20	74m	100k†	5.0 §			07	Z681	MP588	Freq 10kHz;Linearity ±.0005%;TC ±10ppm/°C FSΔ
89	8212	11	20	74m	100k†	5.0 §			07	Z681	MP588	Freq 10kHz;Linearity ±.0005%;TC ±5.0ppm/°C FSΔ
90	310VF	11	20	400m	15k	0.0	5.0k		05		MP132	Output freq. 0 to 100cps;Acc. ± 1.0%.
91	320VF	11	20	400m	15k	0.0	5.0k		05		MP132	Output freq 0 to 1.0 KCPS; Acc ± 1.0%.
92	330VF	11	20	400m	15k	0.0	5.0k		05		MP132	Output freq. 0 to 10kcps;Acc. ± 1.0%.
93	340VF	11	20	400m	15k	0.0	5.0k		05		MP132	Output freq. 0 to 100kcps;Acc. ± 1.0%.
94	4711	11	30	30m	92k†	10 §	30k†	9.9 §	06	Z546	MP501a	Freq 0.0-10kHz;Vos ±10mVΔ;Linearity ±.05%Δ.
95	450J	11	30	360m	20k	10	3.3k		28	Z642	MP5cj	Freq Output 0 To 10kHz;.01%Δ Nonlinearity
96	450K	11	30	360m	20k	10	3.3k		28	Z642	MP5cj	Freq Output 0 To 10kHz;.005%Δ Nonlinearity
97	454J	11	30	360m	30k	20	3.3k		28	Z643	MP5cj	Freq Output 0 To 20kHz;.01%Δ Nonlinearity
98	454K	11	30	360m	30k	20	3.3k		28	Z643	MP5cj	Freq Output 0 To 20kHz;.005%Δ Nonlinearity
99	456J	11	30	360m	20k	10	3.3k		28	Z642	MP5cj	Freq Output 0 To 10kHz;.03%Δ Nonlinearity
100	456K	11	30	360m	20k	10	3.3k		28	Z642	MP5cj	Freq Output 0 To 10kHz;.02%Δ Nonlinearity
101	3374	11	30	450m	100M	10 §	1.0		27		MP∅	Freq 0-10kHz;TC ±.01%FS/°CΔ;Non-Linearity .1%Δ.
102	3377	11	30	450m	100M	10 §	1.0		27		MP∅	Freq 0-100Hz;TC ±.01%FS/°CΔ;Non-Linearity .1%Δ.
103	3378	11	30	450m	100M	10 §	1.0		27		MP∅	Freq 0-10Hz;TC ±.01%FS/°CΔ;Non-Linearity .1%Δ.
104	A8400#1	11	30	450m	10k†	10 §			28	Z867	MP∅	Linearity ±.05%Δ;TC ±100ppm/°C;Freq 0-100kHz
105	4701	11	30	480m	23k†	10 §	3.0k†	10 §	06	Z546	MP501a	Freq 0-10kHz;Vos ±10mVΔ;Linearity ±.05%Δ
106	4713	11	30	480m	23k†	10m*	3.0k†	10 §	06	Z546	MP501b	Freq 0-10kHz;Lin ±.1% of FSΔ;TC ±100uV/°CΔ
107	4725	11	30	480m	23k†	10 §	3.0k†	10 §	06	Z546	MP501b	Freq 0-10kHz;Lin ±.015% of FSΔ Plus ±.015% Signal
108♦	VFC12	11	30	480m†	33k†	10 †	3.0k†	4.7 †	28	Z437	MP455	Freq Quad OSC;10-20kHz;Acc 13bit;F/S Drift20ppm/°C
109▼	VFC12LD	11	30	480m†	33k†	10 †	3.0k†	4.7 †	28	Z437	MP455	Freq Quad OSC;10-20kHz;Acc 13bit;F/S Drift 8ppm/°C
110♦	VFC15	11	30	480m†	33k†	20 †	3.0k†	4.7 †	28	Z438	MP455	Freq Quad OSC;10-20kHz;Acc 13bit;F/S Drift20ppm/°C

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

10. SPECIAL FUNCTIONS

LINE No.	[4] TYPE No.	[1] USE	PWR SUP @25°C RATED SPECS [2] TOT. VOLT. (ΔV)	PWR SUP @25°C RATED SPECS [3] MAX. IDLE P (W)	MIN. INPUT CHAR. @25°C IMPEDANCE (Ω)	MIN. INPUT CHAR. @25°C VOLT RANGE (ΔV)	OUTPUT CHAR. @25°C MAX. IMP. (Ω)	OUTPUT CHAR. @25°C MIN VOLT RANGE (ΔV)	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUTLINE Δ=MO	GENERAL DESCRIPTION
1▼	VFC15LD	11	30	480m†	33k†	20 †	3.0k†	4.7 †	28	Z438	MP455	Freq Quad OSC;10-20kHz;Acc 13bit;F/S Drift 8ppm/°C
2	3930	11	30	495m	100k†	10 †			5C	Z929	MP657	Freq Output 0-1.0MHz;One Cycle Setting Time
3	452J	11	30	525m	20k	10	3.3k		28	Z644	MP5cj	Freq Output 0 To 100kHz;.015%Δ Nonlinearity
4	452K	11	30	525m	20k	10	3.3k		28	Z644	MP5cj	Freq Output 0 To 100kHz;.015%Δ Nonlinearity
5	452L	11	30	525m	20k	10	3.3k		28	Z644	MP5cj	Freq Output 0 To 100kHz;.015%Δ Nonlinearity
6♦	4709	11	30	540m	23k†	10 §	3.0k	5.0 §	07	Z550	MP516a	Freq 0.0-100kHz;Gain TC ±44ppm/°C Of FSΔ.
7▼	4709-01	11	30	540m	23k†	10 §	3.0k	5.0 §	07	Z550	MP516a	Freq 0.0-100kHz;Gain TC ±24ppm/°C of FSΔ
8▼	4709-02	11	30	540m	23k†	10 §	3.0k	5.0 §	07	Z550	MP516a	Freq 0.0-100kHz;Gain TC ±12ppm/°C of FSΔ
9	4715	11	30 ♦	540m	47k	20	3.5k	5.0 §	06		MP516c	Freq 0-10kHz;FS Stab TC ±50ppm/°C;NonLin ±1.0% FS
10	4715-01	11	30 ♦	540m	47k	20	3.5k	5.0 §	06		MP516c	Freq 0-10kHz;FS Stab TC ±15ppm/°C;NonLin ±1.0% FS
11	4715-02	11	30 ♦	540m	47k	20	3.5k	5.0 §	06		MP516c	Freq 0-10kHz;FS Stab TC ±15ppm/°C;NonLin ±1.0% FS
12	4715-03	11	30 ♦	540m	47k	20	3.5k	5.0 §	06		MP516c	Freq 0-10kHz;FS Stab TC ±5.0ppm/°C;NonLin ±1.0% FS
13	4721	11	30	540m	27k†	10 §		9.9 §	06	Z551	MP543	Freq 10-10kHz;Linearity ±.2% of FSΔ.
14	4723	11	30	540m	26k	9.9 §		14 §	06		MP543	Freq 0-10kHz;NonLin ±.01% FS;FS Stab TC ±100ppm/°C
15	470902	11	30	540m	23k†	3.0m*	3.0k		07	Z550	MP516a	Freq 0.0-100kHz;Gain TC ±12ppm/°C Of FSΔ.
16	8113	11	30	555m	20k†	10 †§		5.0 †	06	Z683	MP508u	Freq 100kHz;Non-Linearity ±.01%Δ;TC 50ppm/°C FSΔ
17	8114	11	30	555m	20k†	10 †§		5.0 †	06	Z683	MP508u	Freq 100kHz;Non-Linearity ±.01%Δ;TC 25ppm/°C FSΔ
18	8115	11	30	555m	20k†	10 †§		5.0 †	06	Z683	MP508u	Freq 100kHz;Non-Linearity ±.01%Δ;TC 10ppm/°C FSΔ
19	8116	11	30	555m	20k†	10 †§		5.0 †	06	Z683	MP508u	Freq 100kHz;Non-Linearity ±.005%Δ;TC 5ppm/°C FSΔ
20	A844	11	30	600m	10k†	10 §			28		MP508m	Output Freq 0-100kHz;TC ±50ppm/°C†
21	A846	11	30	600m	24k†	10 §			28		MP199h	Output Freq 0-10kHz;TC ±200ppm/°C†
22	A847	11	30	600m	24k†	10 §			28		MP199h	Output Freq 0-10kHz;TC ±100ppm/°C†
23	4703	11	30	720m	23k†	10 §	1.0k†	9.9 §	06	Z546	MP501b	Freq 0.0-100kHz;FS Vi0-10VDC;Linearity±.05%Δ
24	4705	11	30	720m	11k	10 §	670	9.9 §	06	Z548	MP516a	Freq 1.0Hz-1.0MHz;CMRR 60dB†;Non-Lin ±.001% FS
25	4705-01	11	30	720m	11k	10 §	670	9.9 §	06	Z548	MP516a	Freq 1.0Hz-1.0MHz;CMRR 60dB†;Non-Lin ±.005% FS
26	VFV10K	11	30	750m	10k†	20 †			07	Z406	MP298c	Output Freq 0-10kHz;TC ±20ppm/°C;Linearity to.005%
27	VFV100K	11	30	750m	10k†	20 †			07	Z406	MP298c	Output Freq 0-100kHz;TC±200ppm/°C;Linear to.005%.
28	8410☐	11	30	840m	10k	20			07	Z683	MP576a	Freq 1.0MHz;Non Linearity±.001%;TC100ppm/°C FSΔ
29	8411	11	30	840m	10k	20			07	Z683	MP576a	Freq 1.0MHz;Non Linearity±.001%;TC50ppm/°C FSΔ
30	8412	11	30	840m	10k	20			07	Z683	MP576a	Freq 1.0MHz;Non Linearity±.001%;TC25ppm/°C FSΔ
31	A843	11	30	1.0	10k†	10 §			28		MP508m	Output Freq 0-1.0MHz;TC ±50ppm/°C†
32♦	4707	11	30	1.1	12k†	10 §	670	5.0 §	05	Z548a	MP508p	Freq 100Hz-5.0MHz;FS TC ±150ppm/°CΔ
33▼	8610	11	30	1.1	10k	20		3.5	07		MP516a	Freq 5.0MHz;Lineraity .01% of FS;TC 100ppm/°C FS
34▼	8611	11	30	1.1	10k	20		3.5	07		MP516a	Freq 5.0MHz;Linearity .01% of FS;TC 50ppm/°C FS
35▼	8612	11	30	1.1	10k	20		3.5	07		MP516a	Freq 5.0MHz;Linearity .01% of FS;TC 25ppm/°C FS
36	570	11	30	1.5	1.0M†	0.0	100 †	1.0 †	25		MP☐	Transducer;Freq.Range 100-1.0kHz.
37	8110	11	30	1.8	10k†	10 §			07	Z680	MP587	Freq 100kHz;Linearity ±.01%;TC ±20ppm/°C FSΔ
38	8111	11	30	1.8	10k†	10 §			07	Z680	MP587	Freq 100kHz;Linearity ±.01%;TC ±10ppm/°C FSΔ
39	8112	11	30	1.8	10k†	10 §			07	Z680	MP587	Freq 100kHz;Linearity ±.01%;TC ±5.0ppm/°C FSΔ
40	A841	11	30	2.7	100k	20			26	Z733	MP610	Optically Isolated;Freq 40kHz;Linearity 1 Count
41	8300	11	30	2.9	10G	10 §			07	Z682	MP204d	Freq 40kHz;Linearity ±.005%;TC ±20ppm/°C FSΔ
42	8301	11	30	2.9	10G	10 §			07	Z682	MP204d	Freq 40kHz;Linearity ±.005%;TC ±10ppm/°C FSΔ
43	8302	11	30	2.9	10G	10 §			07	Z682	MP204d	Freq 40kHz;Linearity ±.005%;TC ±5.0ppm/°C FSΔ
44	8310	11	30	2.9	10G	10 §			07	Z682	MP204d	Opto-Isolator Outp;Freq 40kHz;Linearity ±.005%
45	8311	11	30	2.9	10G	10 §			07	Z682	MP204d	Opto-Isolator Outp;Freq 40kHz;Linearity ±.005%
46	8312	11	30	2.9	10G	10 §			07	Z682	MP204d	Opto-Isolator Outp;Freq 40kHz;Linearity ±.005%
47	8320	11	30	2.9	10G	10 §			07	Z682	MP204d	Transformer Output;Freq 40kHz;Linearity ±.005%
48	8321	11	30	2.9	10G	10 §			07	Z682	MP204d	Transformer Output;Freq 40kHz;Linearity ±.005%
49	8322	11	30	2.9	10G	10 §			07	Z682	MP204d	Transformer Output;Freq 40kHz;Linearity ±.005%
50♦	A842	11	30	3.7	100k	20			26	Z733a	MP610	Transformer Isolated;Freq 40kHz;Linearity 1 Count
51	VFC32BM#2	11	30	135 †	170M	1.6 §		10 §	28	Z852	TO100	FS Freq 500kHzΔ;FS Gain Error 5% FSR†;Vos 4.0mVΔ
52	VFC32KP#2	11	30	135 †	170M	1.6 §		10 §	06	Z853	MP447a	FS Freq 500kHzΔ;FS Gain Error 5% FSR†;Vos 4.0mVΔ
53	VFC32SM#2	11	30	135 †	170M	1.6 §		10 §	5C	Z852	TO100	FS Freq 500kHzΔ;FS Gain Error 5% FSR†;Vos 4.0mVΔ
54	AD537J	11	36	43m†	250M†	32	20 *		07	Z765	MP139c	V/F Conv;0.0-150kHz;Calib Error ±7% Max
55	AD537K	11	36	43m†	250M†	32	20 *		07	Z765	MP139c	V/F Conv;0.0-150kHz;Calib Error ±5% Max
56	AD537S	11	36	43m†	200M†	32	10 *		5C	Z765	MP139c	V/F Conv;0.0-150kHz;Calib Error ±5% Max
57	8010	11	36	720m†	10k†	10 §			07	Z679	MP586	Freq 10kHz;Linearity ±.005%;TC ±20ppm/°C FSΔ
58	8011	11	36	720m†	10k†	10 §			07	Z679	MP586	Freq 10kHz;Linearity ±.005%;TC ±10ppm/°C FSΔ
59	8012	11	36	720m†	10k†	10 §			07	Z679	MP586	Freq 10kHz;Linearity ±.005%;TC ±5.0ppm/°C FSΔ
60	8530	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
61	8532	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
62	8534	11	125 §	375m†	1.0G†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
63	8536	11	125 §	375m†	1.0G†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
64	8540	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
65	8542	11	125 §	375m†	1.0G†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
66	8544	11	125 §	375m†	1.0G†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
67	8546	11	125 §	375m†	1.0G†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
68	8550	11	125 §	375m†	1.0T†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
69	8552	11	125 §	375m†	1.0T†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
70	8554	11	125 §	375m†	1.0T†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
71	8556	11	125 §	375m†	1.0T†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
72	8531	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
73	8533	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
74	8535	11	252 §	133m†	1.0G†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
75	8537	11	252 §	133m†	1.0G†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
76	8541	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
77	8543	11	252 §	133m†	1.0G†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
78	8545	11	252 §	133m†	1.0G†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
79	8547	11	252 §	133m†	1.0G†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
80	8551	11	252 §	133m†	1.0T†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
81	8553	11	252 §	133m†	1.0T†	5.0 §	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
82	8555	11	252 §	133m†	1.0T†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*
83	8557	11	252 §	133m†	1.0T†	10	51 †	4.0 §	07	Z856	MP669	Freq Out 10kHzΔ;Non-Linearity ±.01%Δ;Isol 80dB*

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE	DRAWINGS CKT.	DRAWINGS OUTLINE Δ=MO	GENERAL DESCRIPTION
1#	TCA450A		2C	Z809	FP41	Hall Element W/Diff Ampl;Vs 8V,Io 50mAmax;Sensitivities:40uV/Guass,240mA/V Diff Ampl Out
2#	TCA740	26	26	Z923	MP252a	Stereo Audio Tone Control Ckt;VS 15V;d(tot) 0.1%.
3	1E25	50	27		MP391	Vi 115VAC†;Vo 1.0V;Io 250mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
4	1E50	50	27		MP392	Vi 115VAC†;Vo 1.0V;Io 500mA;Line Reg .05%;Load Reg .20%;Ripple 500uVrms.
5	1NT100	50	27		MP180a	Vi 115 VAC†;Vo 1.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
6	1NT175	50	27		MP180a	Vi 115 VAC†;Vo 1.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
7	1.5E25	50	27		MP391	Vi 115VAC†;Vo 1.5V;Io 250mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
8	1.5E50	50	27		MP392	Vi 115VAC†;Vo 1.5V;Io 500mA;Line Reg .05%;Load Reg .20%;Ripple 500uVrms.
9	1.5E100	50	27		MP393	Vi 115VAC†;Vo 1.5V;Io 1.0A;Line Reg .05%,Load Reg .30%;Ripple 1.0mVrms.
10	1.5NT100	50	27		MP180a	Vi 115 VAC†;Vo 1.5V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
11	1.5NT175	50	27		MP180a	Vi 115 VAC†;Vo 1.5V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
12	2E20	50	27		MP391	Vi 115VAC†;Vo 2.0V;Io 200mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
13	2E40	50	27		MP392	Vi 115VAC†;Vo 2.0V;Io 400mA;Line Reg .05%;Load Reg .20%;Ripple 500uVrms.
14	2NT100	50	27		MP180a	Vi 115 VAC†;Vo 2.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
15	2NT175	50	27		MP180a	Vi 115 VAC†;Vo 2.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
16	3E25	50	27		MP391	Vi 115VAC†;Vo 3.0V;Io 250mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
17	3E50	50	27		MP392	Vi 115VAC†;Vo 3.0V;Io 500mA;Line Reg .05%;Load Reg .20%;Ripple 500uVrms.
18	3NT100	50	27		MP180a	Vi 115 VAC†;Vo 3.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
19	3NT175	50	27		MP180a	Vi 115 VAC†;Vo 3.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
20	3.6E25	50	27		MP391	Vi 115VAC†;Vo 3.6V;Io 250mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
21	3.6E50	50	27		MP392	Vi 115VAC†;Vo 3.6V;Io 500mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
22	3.6E100	50	27		MP393	Vi 115VAC†;Vo 3.6V;Io 1.0A;Line Reg .05%;Load Reg .30%;Ripple 1.0mVrms.
23	3.6NT100	50	27		MP180a	Vi 115 VAC†;Vo 3.6V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
24	3.6NT175	50	27		MP180a	Vi 115 VAC†;Vo 3.6V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
25	3.6NT300	50	27		MP180	Vi 115 VAC†;Vo 3.6V;Io 3.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
26	4E20	50	27		MP391	Vi 115VAC†;Vo 4.0V;Io 200mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
27	4E40	50	27		MP392	Vi 115VAC†;Vo 4.0V;Io 400mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
28	4NT100	50	27		MP180a	Vi 115 VAC†;Vo 4.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
29	4NT175	50	27		MP180a	Vi 115 VAC†;Vo 4.0V;Io 1.75A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
30	5E25	50	27		MP391	Vi 115VAC†;Vo 5.0V;Io 250mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
31	5E50	50	27		MP392	Vi 115VAC†;Vo 5.0V;Io 500mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
32	5E100	50	27		MP393	Vi 115VAC†;Vo 5.0V;Io 1.0A;Line Reg .05%;Load Reg .20%;Ripple 1.0mVrms.
33	5E150	50	07		MP393	Vi 115VAC†;Vo 5.0V;Io 1.5A;Line Reg .10%;Load Reg .30%;Ripple 1.0mVrms.
34	5NT100	50	27		MP180a	Vi 115 VAC†;Vo 5.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
35	5NT200	50	27		MP180a	Vi 115 VAC†;Vo 5.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
36	5NT400	50	27		MP180	Vi 115 VAC†;Vo 5.0V;Io 4.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
37	6E20	50	27		MP391	Vi 115VAC†;Vo 6.0V;Io 200mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
38	6E40	50	27		MP392	Vi 115VAC†;Vo 6.0V;Io 400mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
39	6E100	50	27		MP393	Vi 115VAC†;Vo 6.0V;Io 1.0A;Line Reg .05%;Load Reg .20%;Ripple 1.0mVrms.
40	6NT100	50	27		MP180a	Vi 115 VAC†;Vo 6.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
41	6NT200	50	27		MP180	Vi 115 VAC†;Vo 6.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
42	7E17	50	27		MP391	Vi 115VAC†;Vo 7.0V;Io 170mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
43	7E34	50	27		MP392	Vi 115VAC†;Vo 7.0V;Io 340mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
44	7E90	50	27		MP393	Vi 115VAC†;Vo 7.0V;Io 900mA;Line Reg .05%;Load Reg .20%;Ripple 1.0mVrms.
45	7NT100	50	27		MP180a	Vi 115 VAC†;Vo 7.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
46	7NT200	50	27		MP180	Vi 115 VAC†;Vo 7.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
47	8E15	50	27		MP391	Vi 115VAC†;Vo 8.0V;Io 150mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
48	8E30	50	27		MP392	Vi 115VAC†;Vo 8.0V;Io 300mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
49	8E70	50	27		MP393	Vi 115VAC†;Vo 8.0V;Io 700mA;Line Reg .05%;Load Reg .20%;Ripple 1.0mVrms.
50	8NT100	50	27		MP180a	Vi 115 VAC†;Vo 8.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
51	8NT200	50	27		MP180	Vi 115 VAC†;Vo 8.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
52	9E13	50	27		MP391	Vi 115VAC†;Vo 9.0V;Io 130mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
53	9E26	50	27		MP392	Vi 115VAC†;Vo 9.0V;Io 260mA;Line Reg .05%;Load Reg .10%;Ripple 500uVrms.
54	9E85	50	27		MP393	Vi 115VAC†;Vo 9.0V;Io 850mA;Line Reg .05%;Load Reg .15%;Ripple 1.0mVrms.
55	9NT100	50	27		MP180a	Vi 115 VAC†;Vo 9.0V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
56	9NT200	50	27		MP180	Vi 115 VAC†;Vo 9.0V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
57	10E12	50	27		MP391	Vi 115VAC†;Vo 10V;Io 120mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
58	10E24	50	27		MP392	Vi 115VAC†;Vo 10V;Io 240mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
59	10E75	50	27		MP393	Vi 115VAC†;Vo 10V;Io 750mA;Line Reg .05%;Load Reg .15%;Ripple 1.0mVrms.
60	10NT100	50	27		MP180a	Vi 115 VAC†;Vo 10V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
61	10NT200	50	27		MP180	Vi 115 VAC†;Vo 10V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
62	11E11	50	27		MP391	Vi 115VAC†;Vo 11V;Io 110mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
63	11E22	50	27		MP392	Vi 115VAC†;Vo 11V;Io 220mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
64	11E60	50	27		MP393	Vi 115VAC†;Vo 11V;Io 600mA;Line Reg .05%;Load Reg .15%;Ripple 1.0mVrms.
65	12E10	50	27		MP391	Vi 115VAC†;Vo 12V;Io 100mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
66	12E20	50	27		MP392	Vi 115VAC†;Vo 12V;Io 200mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
67	12E70	50	27		MP393	Vi 115VAC†;Vo 12V;Io 700mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
68	12NT100	50	27		MP180a	Vi 115 VAC†;Vo 12V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
69	12NT200	50	27		MP180	Vi 115 VAC†;Vo 12V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
70	13E10	50	27		MP391	Vi 115VAC†;Vo 13V;Io 100mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
71	13E20	50	27		MP392	Vi 115VAC†;Vo 13V;Io 200mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
72	13E60	50	27		MP393	Vi 115VAC†;Vo 13V;Io 600mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
73	14E10	50	27		MP391	Vi 115VAC†;Vo 14V;Io 100mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
74	14E20	50	27		MP392	Vi 115VAC†;Vo 14V;Io 200mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
75	14E50	50	27		MP393	Vi 115VAC†;Vo 14V;Io 500mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
76	14NT100	50	27		MP180a	Vi 115 VAC†;Vo 14V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
77	14NT200	50	27		MP180	Vi 115 VAC†;Vo 14V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
78	15E10	50	27		MP391	Vi 115VAC†;Vo 15V;Io 100mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
79	15E20	50	27		MP392	Vi 115VAC†;Vo 15V;Io 200mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
80	15E60	50	27		MP393	Vi 115VAC†;Vo 15V;Io 600mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
81	15NT100	50	27		MP180a	Vi 115 VAC†;Vo 15V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
82	15NT200	50	27		MP180	Vi 115 VAC†;Vo 15V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
83	16E08	50	27		MP391	Vi 115VAC†;Vo 16V;Io 80mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
84	16E16	50	27		MP392	Vi 115VAC†;Vo 16V;Io 160mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
85	16E50	50	27		MP393	Vi 115VAC†;Vo 16V;Io 500mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
86	16NT100	50	27		MP180a	Vi 115 VAC†;Vo 16V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
87	16NT200	50	27		MP180	Vi 115 VAC†;Vo 16V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
88	17E07	50	27		MP391	Vi 115VAC†;Vo 17V;Io 70mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
89	17E14	50	27		MP392	Vi 115VAC†;Vo 17V;Io 140mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
90	17E45	50	27		MP393	Vi 115VAC†;Vo 17V;Io 450mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
91	18E06	50	27		MP391	Vi 115VAC†;Vo 18V;Io 60mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
92	18E12	50	27		MP392	Vi 115VAC†;Vo 18V;Io 120mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
93	18E40	50	27		MP393	Vi 115VAC†;Vo 18V;Io 400mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
94	18NT100	50	27		MP180a	Vi 115 VAC†;Vo 18V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
95	18NT200	50	27		MP180	Vi 115 VAC†;Vo 18V;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
96	19E06	50	27		MP391	Vi 115VAC†;Vo 19V;Io 60mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
97	19E12	50	27		MP392	Vi 115VAC†;Vo 19V;Io 120mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
98	19E40	50	27		MP393	Vi 115VAC†;Vo 19V;Io 400mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
99	20E06	50	27		MP391	Vi 115VAC†;Vo 20V;Io 60mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
100	20E12	50	27		MP392	Vi 115VAC†;Vo 20V;Io 120mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
101	20E40	50	27		MP393	Vi 115VAC†;Vo 20V;Io 400mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
102	20NT100	50	27		MP180a	Vi 115 VAC†;Vo 20V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
103	21E06	50	27		MP391	Vi 115VAC†;Vo 21V;Io 60mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
104	21E12	50	27		MP392	Vi 115VAC†;Vo 21V;Io 120mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
105	21E37	50	27		MP393	Vi 115VAC†;Vo 21V;Io 370mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
106	22E05	50	27		MP391	Vi 115VAC†;Vo 22V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
107	22E10	50	27		MP392	Vi 115VAC†;Vo 22V;Io 100mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
108	22E30	50	27		MP393	Vi 115VAC†;Vo 22V;Io 300mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
109	22NT100	50	27		MP180	Vi 115 VAC†;Vo 22V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
110	23E05	50	27		MP391	Vi 115VAC†;Vo 23V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	23E10	50	27		MP392	Vi 115VAC†;Vo 23V;Io 100mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
2	23E30	50	27		MP393	Vi 115VAC†;Vo 23V;Io 300mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
3	24E05	50	27		MP391	Vi 115VAC†;Vo 24V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
4	24E10	50	27		MP392	Vi 115VAC†;Vo 24V;Io 100mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
5	24E35	50	27		MP393	Vi 115VAC†;Vo 24V;Io 350mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
6	24NT100	50	27		MP180	Vi 115 VAC†;Vo 24V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
7	25E05	50	27		MP391	Vi 115VAC†;Vo 25V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
8	25E10	50	27		MP392	Vi 115VAC†;Vo 25V;Io 100mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
9	25E32	50	27		MP393	Vi 115VAC†;Vo 25V;Io 320mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
10	26E04	50	27		MP391	Vi 115VAC†;Vo 26V;Io 40mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
11	26E08	50	27		MP392	Vi 115VAC†;Vo 26V;Io 80mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
12	26E30	50	27		MP393	Vi 115VAC†;Vo 26V;Io 300mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
13	26NT100	50	27		MP180	Vi 115 VAC†;Vo 26V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
14	27E04	50	27		MP391	Vi 115VAC†;Vo 27V;Io 40mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
15	27E08	50	27		MP392	Vi 115VAC†;Vo 27V;Io 80mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
16	27E32	50	27		MP393	Vi 115VAC†;Vo 27V;Io 320mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
17	28E04	50	27		MP391	Vi 115VAC†;Vo 28V;Io 40mA;Line Reg .02%;Load Reg .02%;Ripple 500uVrms.
18	28E08	50	27		MP392	Vi 115VAC†;Vo 28V;Io 80mA;Line Reg .05%;Load Reg .05%;Ripple 500uVrms.
19	28E30	50	27		MP393	Vi 115VAC†;Vo 28V;Io 300mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
20	28NT100	50	27		MP180	Vi 115 VAC†;Vo 28V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
21	30E08	50	27		MP392	Vi 115VAC†;Vo 30V;Io80mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
22	30NT100	50	27		MP180	Vi 115 VAC†;Vo 30V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
23	32E07	50	27		MP392	Vi 115VAC†;Vo 32V;Io 70mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
24	32NT100	50	27		MP180	Vi 115 VAC†;Vo 32V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
25	34E06	50	27		MP392	Vi 115VAC†;Vo 34V;Io 60mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
26	34NT100	50	27		MP180	Vi 115 VAC†;Vo 34V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
27	35E05	50	27		MP392	Vi 115VAC†;Vo 35V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
28	36E05	50	27		MP392	Vi 115VAC†;Vo 36V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
29	36NT100	50	27		MP180	Vi 115 VAC†;Vo 36V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
30	38E04	50	27		MP392	Vi 115VAC†;Vo 38V;Io 40mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
31	38NT100	50	27		MP180	Vi 115 VAC†;Vo 38V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
32	40E03	50	27		MP392	Vi 115VAC†;Vo 40V;Io 30mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
33	40E06	50	27		MP392	Vi 115VAC†;Vo 40V;Io 60mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
34	40NT100	50	27		MP180	Vi 115 VAC†;Vo 40V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
35	42E03	50	27		MP392	Vi 115VAC†;Vo 42V;Io 30mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
36	42NT100	50	27		MP180	Vi 115 VAC†;Vo 42V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
37	44E03	50	27		MP392	Vi 115VAC†;Vo 44V;Io 30mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
38	44NT100	50	27		MP180	Vi 115 VAC†;Vo 44V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
39	45E03	50	27		MP392	Vi 115VAC†;Vo 45V;Io 30mA;Line Reg .02%,Load Reg .02%;Ripple 1.0mVrms.
40	46NT100	50	27		MP180	Vi 115 VAC†;Vo 46V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
41	48E03	50	27		MP392	Vi 115VAC†;Vo 48V;Io 30mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
42	48E05	50	27		MP392	Vi 115VAC†;Vo 48V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
43	48NT100	50	27		MP180	Vi 115 VAC†;Vo 48V;Io 1.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
44	50E03	50	27		MP392	Vi 115VAC†;Vo 50V;Io 30mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
45	50E05	50	27		MP392	Vi 115VAC†;Vo 50V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
46	55E04	50	27		MP392	Vi 115VAC†;Vo 55V;Io 40mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
47	60E05	50	27		MP392	Vi 115VAC†;Vo 60V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
48	65E05	50	27		MP392	Vi 115VAC†;Vo 65V;Io 50mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
49	70E04	50	27		MP392	Vi 115VAC†;Vo 70V;Io 40mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
50	75E03	50	27		MP392	Vi 115VAC†;Vo 75V;Io 30mA;Line Reg .02%;Load Reg .02%;Ripple 1.0mVrms.
51	402A	50	27		MP537	Vi 210-235VAC;Vo ±15Vdc;Io 100mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
52▼	403-1	50	5A		MP742	Vi 115VAC at 400Hz;Po 3.0W;Single Vo 5.0 to 28V♦Ø at Io 600 to 107mA;Line Reg 10mV,Ld 20mV
53▼	403-2	50	5A		MP743	Vi 115VAC at 400Hz;Po 3.0W;Double Vo 5.0 to 20V♦Ø at Io 300 to 75mA;Line Reg 10mV,Ld 20mV
54▼	403-301	50	5A		MP744	Vi 115VAC at 400Hz;Po 3.0W;Triple Vo1 5.0VØ at Io 200mA;Vo2,3 ±15VØ at Io ±67mA
55▼	403-302	50	5A		MP744	Vi 115VAC at 400Hz;Po 3.0W;Triple Vo1 5.0VØ at Io 400mA;Vo2,3 ±15VØ at Io ±34mA
56▼	403-303	50	5A		MP744	Vi 115VAC at 400Hz;Po 3.0W;Triple Vo1 5.0VØ at Io 200mA;Vo2,3 ±12VØ at Io ±83mA
57▼	403-304	50	5A		MP744	Vi 115VAC at 400Hz;Po 3.0W;Triple Vo1 5.0VØ at Io 400mA;Vo2,3 ±12VØ at Io ±42mA
58	403A	50	27		MP537	Vi 210-235VAC;Vo ±18Vdc;Io 60mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
59▼	406-1	50	5A		MP742	Vi 115VAC at 400Hz;Po 3.0W;Single Vo 5.0 to 28V♦Ø at Io 1.2 to .214A;Line Reg 10mV,Ld 20mV
60▼	406-2	50	5A		MP743	Vi 115VAC at 400Hz;Po 6.0W;Double Vo 5.0 to 20V♦Ø at Io 300 to 75mA;Line Reg 10mV,Ld 20mV
61▼	406-301	50	5A		MP744	Vi 115VAC at 400Hz;Po 6.0W;Triple Vo1 5.0VØ at Io 400mA;Vo2,3 ±15VØ at Io ±400mA
62▼	406-302	50	5A		MP744	Vi 115VAC at 400Hz;Po 6.0W;Triple Vo1 5.0VØ at Io 800mA;Vo2,3 ±15VØ at Io ±67mA
63▼	406-303	50	5A		MP744	Vi 115VAC at 400Hz;Po 6.0W;Triple Vo1 5.0VØ at Io 400mA;Vo2,3 ±12VØ at Io ±167mA
64▼	406-304	50	5A		MP744	Vi 115VAC at 400Hz;Po 6.0W;Triple Vo1 5.0VØ at Io 800mA;Vo2,3 ±12VØ at Io ±83mA
65▼	410-1	50	5A		MP742	Vi 115VAC at 400Hz;Po 3.0W;Single Vo 5.0 to 28V♦Ø at Io 2.0 to .357A;Line Reg 10mV,Ld 20mV
66▼	410-2	50	5A		MP743	Vi 115VAC at 400Hz;Po 10W;Double Vo 5.0 to 20V♦Ø at Io 300 to 75mA;Line Reg 10mV,Ld 20mV
67▼	410-301	50	5A		MP744	Vi 115VAC at 400Hz;Po 10W;Triple Vo1 5.0VØ at Io 500mA;Vo2,3 ±15VØ at Io ±250mA
68▼	410-302	50	5A		MP744	Vi 115VAC at 400Hz;Po 10W;Triple Vo1 5.0VØ at Io 1.0A;Vo2,3 ±15VØ at Io ±167mA
69▼	410-303	50	5A		MP744	Vi 115VAC at 400Hz;Po 10W;Triple Vo1 5.0VØ at Io 500mA;Vo2,3 ±12VØ at Io ±312mA
70▼	410-304	50	5A		MP744	Vi 115VAC at 400Hz;Po 10W;Triple Vo1 5.0VØ at Io 1.0A;Vo2,3 ±12VØ at Io ±208mA
71▼	415-1	50	5A		MP742	Vi 115VAC at 400Hz;Po 3.0W;Single Vo 5.0 to 28V♦Ø at Io 3.0 to .536A;Line Reg 10mV,Ld 20mV
72▼	415-2	50	5A		MP743	Vi 115VAC at 400Hz;Po 15W;Double Vo 5.0 to 20V♦Ø at Io 300 to 75mA;Line Reg 10mV,Ld 20mV
73▼	415-301	50	5A		MP744	Vi 115VAC at 400Hz;Po 15W;Triple Vo1 5.0VØ at Io 1.0A;Vo2,3 ±15VØ at Io ±333mA
74▼	415-302	50	5A		MP744	Vi 115VAC at 400Hz;Po 15W;Triple Vo1 5.0VØ at Io 2.0A;Vo2,3 ±15VØ at Io ±167mA
75▼	415-303	50	5A		MP744	Vi 115VAC at 400Hz;Po 15W;Triple Vo1 5.0VØ at Io 1.0A;Vo2,3 ±12VØ at Io ±416mA
76▼	415-304	50	5A		MP744	Vi 115VAC at 400Hz;Po 15W;Triple Vo1 5.0VØ at Io 2.0A;Vo2,3 ±12VØ at Io ±208mA
77	420	50				Vi 105-125VAC;Vo ±8V;Io 200mA;Reg Line/Load .01%Δ;Noise 100uVrmsΔ;Zo .02Ω.
78▼	420-1	50	5A		MP742	Vi 115VAC at 400Hz;Po 3.0W;Single Vo 5.0 to 28V♦Ø at Io 4.0 to .714A;Line Reg 10mV,Ld 20mV
79▼	420-2	50	5A		MP743	Vi 115VAC at 400Hz;Po 20W;Double Vo 5.0 to 20V♦Ø at Io 300 to 75mA;Line Reg 10mV,Ld 20mV
80♦	420-301	50	5A		MP744	Vi 115VAC at 400Hz;Po 20W;Triple Vo1 5.0VØ at Io 2.0A;Vo2,3 ±15VØ at Io ±333mA
81▼	420-302	50	5A		MP744	Vi 115VAC at 400Hz;Po 20W;Triple Vo1 5.0VØ at Io 3.0A;Vo2,3 ±15Vo at Io ±167mA
82♦	420-303	50	5A		MP744	Vi 115VAC at 400Hz;Po 20W;Triple Vo1 5.0VØ at Io 2.0A;Vo2,3 ±12VØ at Io ±416mA
83▼	420-304	50	5A		MP744	Vi 115VAC at 400Hz;Po 20W;Triple Vo1 5.0VØ at Io 3.0A;Vo2,3 ±12VØ at Io ±208mA
84	420A	50	27		MP537	Vi 210-235VAC;Vo ±8Vdc;Io 200mA;Reg Line And Load .01% max;Noise and Ripple 100uVRMS.
85	422A	50	27		MP537	Vi 210-235VAC;Vo ±18Vdc;Io 30mA;Reg Line and Load .01% max;Noise and Ripple 100uVRMS.
86	515	50	07		MP35b	Vi 125V max;ΔVo 30V;Io 20mA;Reg 2.0%;Rpl 20mV.
87	524Δ	50	07		MP35b	Vi 125V max;ΔVo 48V;Io 20mA;Reg 4.0%;Rpl 20mV.
88▼	527	50	28		MP⍁	Vi 115-230VAC,47-420Hz;Vo ±15VDC;Io ±50mA;No 1.0mVrms;Load and Line Reg .2%;Vo Error ±1%
89▼	527E	50	28		MP⍁	Vi 205-240VAC,50-400Hz;Vo ±15VDC;Io ±50mA;No 1.0mVrms;Load and Line Reg .2%;Vo Error ±1%
90▼	527F	50	28		MP⍁	Vi 90-110VAC,50-400Hz;Vo ±15VDC;Io ±50mA;No 1.0mVrms;Load and Line Reg .2%;Vo Error ±1%
91▼	527H	50	28		MP⍁	Vi 220-260VAC,50-400Hz;Vo ±15VDC;Io ±50mA;No 1.0mVrms;Load and Line Reg .2%;Vo Error ±1%
92	528Δ	50	07		MP35b	Vi 125V max;ΔVo 60V;Io 20mA;Reg 30%;Rpl 600mV.
93♦	550Δ	50	27		MP285	Vi 105-125VAC,50-400Hz;Vo ±15VDC;Io ±25mA;No 2.0mVrms;Load Reg ±.1%;Vo Error ±.1%.
94▼	550E	50	27		MP285	Vi 205-240VAC,50-400Hz;Vo ±15VDC;Io ±25mA;No 2.0mVrms;Load Reg ±.1%Vo Error ±1%.
95▼	550F	50	27		MP285	Vi 90-110VAC,50-400Hz;Vo ±15VDC;Io ±25mA;No 2.0mVrms;Load Reg ±.1%;Vo Error ±1%.
96▼	550H	50	27		MP285	Vi 220-260VAC,50-400Hz;Vo ±15VDC;Io ±25mA;No 2.0mVrms;Load Reg ±.1%;Vo Error ±1%.
97♦	551Δ	50	27		MP285	Vi 105-125VAC,50-400Hz;Vo ±15VDC;Io ±50mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
98▼	551E	50	27		MP285	Vi 205-240VAC,50-400Hz;Vo ±15VDC;Io ±50mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
99▼	551H	50	27		MP285	Vi 220-260VAC, 50-400Hz;Vo ±15VDC;Io ±50mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
100♦	552	50	27		MP285a	Vi 105-125VAC,50-400Hz;Vo ±15VDC;Io ±100mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
101▼	552E	50	27		MP285a	Vi 205-240VAC, 50-400Hz;Vo ±15VDC;Io ±100mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
102▼	552F	50	27		MP285a	Vi 90-110VAC, 50-400Hz;Vo ±15VDC;Io ±100mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
103▼	552H	50	27		MP285a	Vi 220-260VAC, 50-400Hz;Vo ±15VDC;Io ±100mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
104♦	553	50	27		MP285a	Vi 105-125VAC,50-400Hz;Vo ±15VDC;Io ±200mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%
105▼	553E	50	27		MP285a	Vi 205-240VAC,50-400Hz;Vo ±15VDC;Io ±200mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
106▼	553F	50	27		MP285a	Vi 90-110VAC,50-400Hz;Vo ±15VDC;Io ±200mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
107▼	553H	50	27		MP285a	Vi 220-260VAC,50-400Hz;Vo ±15VDC;Io ±200mA;No 1.0mVrms;Load Reg ±.05%;Vo Error ±1%.
108♦	560Δ	50	27		MP285	Vi 105-125VAC,50-400Hz;Vo 5.0VDC;Io 250mA;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
109▼	560E	50	27		MP285	Vi 205-240VAC,50-400Hz;Vo 5.0VDC;Io 250mA;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
110▼	560F	50	27		MP285	Vi 90-110VAC,50-400Hz;Vo 5.0VDC;Io 250mA;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	[2] TYPE No.	[1] USE	TC MODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1▼	560H	50	27		MP285	Vi 220-260VAC,50-400Hz;Vo 5.0VDC;Io 250mA;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
2♦	561	50	27		MP285a	Vi 105-125VAC,50-400Hz;Vo 5.0VDC;Io 500mA;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
3▼	561E	50	27		MP285a	Vi 205-240VAC,50-400Hz;Vo 5.0VDC;Io 500mA;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
4▼	561F	50	27		MP285a	Vi 90-110VAC,50-400Hz;Vo 5.0VDC;Io 500mA;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
5▼	561H	50	27		MP285a	Vi 220-260VAC,50-400Hz;Vo 5.0VDC;Io 500mA;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
6♦	562	50	27		MP285a	Vi 105-125VAC,50-400Hz;Vo 5.0VDC;Io 1.0A;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
7▼	562E	50	27		MP285a	Vi 205-240VAC,50-400Hz;Vo 5.0VDC;Io 1.0A;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
8▼	562F	50	27		MP285a	Vi 90-110VAC,50-400Hz;Vo 5.0VDC;Io 1.0A;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
9▼	562H	50	27		MP285a	Vi 220-260VAC,50-400Hz;Vo 5.0VDC;Io 1.0A;No 1.0mVrms;Load Reg ±.1%;Vo Error ±1%.
10	570	50	27		MP285	Vi 125 VACΔ, 50-400Hz;Vo±12V;Io 200mAΔ;Reg.line and load .05%Δ;TC .04%/°CΔ.
11	710	50	27		MP81b	Vi 105-125VAC;Freq 50-440Hz;Vo ±15V;Io ±65mA;Line Reg±0.1%;Load Reg±0.1%;TC±0.02%/°C.
12	711	50	27		MP81	Vi 105-125VAC;Freq 50-440Hz;Vo ±15V;Io ±100mA;Line Reg ±0.05%;Load Reg±0.1%;TC±0.02%/°C.
13	712	50	27		MP81	Vi 105-125VAC;Freq 50-440Hz;Vo ±15V;Io ±200mA;Line Reg ±0.05%;Load Reg ±0.1%;TC ±0.02%/°C
14	720	50	27		MP81a	Vi 105-125VAC;Freq 50-440Hz;Vo 5V;Io 500mA;Line Reg ±0.1%;Load Reg ±0.3%;TC ±0.02%/°C.
15	721	50	27		MP81a	Vi 105-125VAC;Freq 50-440Hz;Vo 5V;Io 1A;Line Reg ±0.1%;Load Reg ±0.3%;TC ±0.02%/°C.
16	902	50	27		MP81	Vi⧄ 90-260VAC,50-400Hz;Vo ±15V;Io 100mA;Line,Load Reg.02%Δ;Rpl 500uVrmsΔ;Error 300mVΔ.
17	902-2	50	27		MP81b	Vi⧄ 90-260VAC,50-400Hz;Vo ±15V;Io 100mA;Line,Load Reg.02%Δ;Rpl 500uVrmsΔ;Error 300mVΔ.
18	903	50	27		MP81	Vi⧄ 90-260VAC,50-400Hz;Vo 5.0V;Io 500mA;Line Reg.02%;Load Reg.04%;Rpl1.0mVrms;Error ±1%Δ.
19	904	50	27		MP81b	Vi⧄ 90-260VAC,50-400Hz;Vo ±15V;Io 50mA;Line,Load Reg.02%Δ;Rpl 500uVrmsΔ;Error 200mVΔ.
20	905	50	27		MP81	Vi⧄ 90-260VAC,50-400Hz;Vo 5.0V;Io 1.0A;Line.02%Δ,Load Reg.05%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
21	906	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo 5.0V;Io 250mA;Line .02%Δ,Load Reg.04%Δ;Rpl1.0mVrmsΔ;Error ±1%Δ.
22	907	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±12V;Io 25mA;Line,Load Reg .2%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
23	908	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±12V;Io 100mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
24	909	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±12V;Io 50mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
25	915	50	27		MP81b	Vi⧄ 90-260VAC,50-400Hz;Vo ±15V;Io 25mA;Line,Load Reg.2%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
26	920	50	27		MP81	Vi⧄ 90-260VAC;50-400Hz;Vo ±15V;Io 200mA;Line Load Reg .02%Δ;Rpl 500uVrmsΔ;Error 300mVΔ.
27	921	50	27		MP81	Vi⧄ 90-260VAC,50-400Hz;Vo ±12V;Io 240mA;Line,Load Reg.02%Δ;Rpl 500uVrmsΔ;Error 300mVΔ.
28	922	50	27		MP81c	Vi⧄ 90-260VAC,50-400Hz;Vo 5.0V;Io 2.0A;Line.02%Δ,Load Reg.05%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
29	925	50	27		MP81c	Vi⧄ 90-260VAC,50-400Hz;Vo ±15V;Io 350mA;Line,Load Reg .02%Δ;Rpl 500uVrmsΔ;Error ±1%Δ.
30	931	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±18V;Io 25mA;Line,Load Reg .2%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
31	932	50	27		MP81	Vi 105-125VAC,50-400Hz;Vo ±18V;Io 100mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
32	933	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±24V;Io 50mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
33	934	50	27		MP81	Vi 105-125VAC,50-400Hz;Vo ±24V;Io 100mA;Line,Load Reg .02%;Rpl 1.0mVrmsΔ;Error ±1%Δ.
34	935	50	27		MP81b	Vi 105-125VAC,50-400Hz;Vo ±18V;Io 50mA;Line,Load Reg .02%Δ;Rpl 1.0mVrmsΔ;Error ±1%Δ.
35	952	50	27		MP426	Vi⧄ 90-260VAC,50-400Hz;Vo ±15V;Io 100mA;Line,Load Reg .05%;Rpl 1.0mVrmsΔ;Error ±2%Δ.
36	955	50	27		MP426	Vi⧄ 90-260VAC,50-400Hz;Vo 5.0V;Io 1.0A;Line .05%Δ,Load Reg.15%Δ;Rpl 2.0mVrmsΔ;Error ±2%Δ.
37	970	50	27		MP426	Vi⧄ 90-260VAC,50-400Hz;Vo ±15V;Io 200mA;Line,Load .05%Δ;Rpl 1.0mVrmsΔ;Error ±2%Δ.
38	971	50	27		MP426	Vi⧄ 90-260VAC,50-400Hz;Vo ±12V;Io 240mA;Line,Load Reg .05%Δ;Rpl 1.0mVrmsΔ;Error ±2%Δ.
39	1784	50	07		MP397	Dual;Vi 115VAC†;Vo ±15V;Io 100mA;Line Reg .05%;Load Reg .1%.
40	2203	50			MP687	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±.03%Δ,Load ±.03%Δ;Rpl 1.0mVrms.
41	2204	50			MP687	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±50mA;Reg Line ±.03%Δ,Load ±.015%Δ;Rpl 1.0mVrms.
42	2206	50			MP687a	Vi 115VAC at 50-400Hz;Vo 5.0Vdc at 500mA;Reg Line ±.10%Δ,Load ±.15%Δ;Rpl 2.0mVp-p.
43	2208	50		Z908	MP688	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±.03%Δ,Load ±.03%Δ;Rpl 1.0mVrms.
44	2208-21	50		Z908	MP688	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±.03%Δ,Load ±.03%Δ;Rpl 1.0mVrms.
45	2209	50		Z908	MP688	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±50mA;Reg Line ±.03%Δ,Load ±.015%Δ;Rpl 1.0mVrms.
46	2209-21	50		Z908	MP688	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±50mA;Reg Line ±.03%Δ,Load ±.015%Δ;Rpl 1.0mVrms.
47	2210	50		Z908	MP688a	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±25mA;Reg Line ±.2%Δ,Load ±.2%Δ;Rpl 1.0mVrms.
48	2210-21	50		Z908	MP688a	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±25mA;Reg Line ±.2%Δ,Load ±.2%Δ;Rpl 1.0mVrms
49	2211	50		Z908	MP688a	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±65mA;Reg Line ±.1%Δ,Load ±.1%Δ;Rpl 1.0mVrms
50	2211-21	50		Z908	MP688a	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±65mA;Reg Line ±.1%Δ,Load ±.1%Δ;Rpl 1.0mVrms
51	2212	50		Z908	MP688a	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±.05%Δ,Load ±.1%Δ;Rpl 1.0mVrms.
52	2212-21	50		Z908	MP688a	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±.05%Δ,Load ±.1%Δ;Rpl 1.0mVrms.
53	2213	50		Z908a	MP688b	Vi 115VAC at 50-400Hz;Vo 5.0VDC at 1.0A;Reg Line ±.06%Δ,Load ±.1%Δ;Rpl 1.0mVp-p.
54	2213-21	50		Z908a	MP688b	Vi 230VAC at 50-400Hz;Vo 5.0VDC at 1.0A;Reg Line ±.06%Δ,Load ±.1%Δ;Rpl 1.0mVp-p.
55	2215	50		Z908	MP688b	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±200mA;Reg Line ±.02%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
56	2215-21	50		Z908	MP688b	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±200mA;Reg Line ±.02%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
57	2216	50		Z908	MP688b	Vi 115VAC at 50-400Hz;Vo ±26VDC at ±55mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms
58	2216-21	50		Z908	MP688b	Vi 230VAC at 50-400Hz;Vo ±26VDC at ±55mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms
59	2217	50		Z908	MP688c	Vi 115VAC at 50-400Hz;Vo ±120VDC at ±40mA;Reg Line ±.01%Δ,Load ±.1%Δ;Rpl 2.0mVrms.
60	2217-21	50		Z908	MP688c	Vi 230VAC at 50-400Hz;Vo ±120VDC at ±40mA;Reg Line ±.01%Δ,Load ±.1%Δ;Rpl 2.0mVrms.
61	2218	50		Z908	MP688d	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±350mA;Reg Line ±.02%Δ,Load ±.02%Δ;Rpl .5mVrms.
62	2218-21	50		Z908	MP688d	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±350mA;Reg Line ±.02%Δ,Load ±.02%Δ;Rpl .5mVrms.
63	2223	50		Z908a	MP688d	Vi 115VAC at 50-400Hz;Vo 5.0VDC at 2.0A;Reg Line ±.02%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
64	2223-21	50		Z908a	MP688d	Vi 230VAC at 50-400Hz;Vo 5.0VDC at 2.0A;Reg Line ±.02%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
65	2230	50		Z908	MP688a	Vi 115VAC at 50-400Hz;Vo ±12Vdc at ±25mA;Reg Line ±.2%Δ,Load ±.2%Δ;Rpl 2.0mVrms.
66	2230-21	50		Z908	MP688a	Vi 230VAC at 50-400Hz;Vo ±12VDC at ±25mA;Reg Line ±.2%Δ,Load ±.2%Δ;Rpl 2.0mVrms.
67	2231	50		Z908	MP688a	Vi 115VAC at 50-400Hz;Vo ±12VDC at ±50mA;Reg Line ±.02%Δ,Load ±.02%Δ;Rpl .5mVrms.
68	2231-21	50		Z908	MP688a	Vi 230VAC at 50-400Hz;Vo ±12VDC at ±50mA;Reg Line ±.02%Δ,Load ±.02%Δ;Rpl .5mVrms
69	2232	50		Z908	MP688a	Vi 115VAC at 50-400Hz;Vo ±12VDC at ±120mA;Reg Line ±.02%Δ,Load ±.02%Δ;Rpl .5mVrms.
70	2232-21	50		Z908	MP688a	Vi 230VAC at 50-400Hz;Vo ±12VDC at ±120mA;Reg Line ±.02%Δ,Load ±.02%Δ;Rpl .5mVrms.
71	2235	50		Z908	MP688b	Vi 115VAC at 50-400Hz;Vo ±12VDC at ±240mA;Reg Line ±.02%Δ,Load ±.02%Δ;Rpl .5mVrms.
72	2235-21	50		Z908	MP688b	Vi 230VAC at 50-400Hz;Vo ±12VDC at ±240mA;Reg Line ±.02%Δ,Load ±.02%Δ;Rpl .5mVrms.
73	2242	50		Z908b	MP688b	Vi 115VAC at 50-400Hz;Vo ±15V/±5V at 100mA/±250mA;Reg Line ±.02%/±.05%Δ,Load±.03%/±.05%Δ.
74	2242-21	50		Z908b	MP688b	Vi 230VAC at 50-400Hz;Vo ±15V/±5V at ±100mA/±250mA;Reg Line ±.02%/±.05%Δ,Load±.03%/±.05%Δ.
75	2243	50		Z908b	MP688e	Vi 115VAC at 50-400Hz;Vo ±15V/±5V at 100mA/±500mA;Reg Line ±.02%Δ,Load ±.03%/±.05%Δ.
76	2243-21	50		Z908b	MP688e	Vi 230VAC at 50-400Hz;Vo ±15V/±5V at ±100mA/±500mA;Reg Line ±.02%Δ,Load ±.03%/±.05%Δ.
77	2403	50			MP691	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
78	2403-21	50			MP691	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±100mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
79	2406	50			MP691	Vi 115VAC at 50-400Hz;Vo 5.0VDC at 500mA;Reg Line ±.05%Δ,Load ±.1%Δ;Rpl 2.0mVrms
80	2406-21	50			MP691	Vi 230VAC at 50-400Hz;Vo 5.0VDC at 500mA;Reg Line ±.05%Δ,Load ±.1%Δ;Rpl 2.0mVrms.
81	2413	50			MP691	Vi 115VAC at 50-400Hz;Vo 5.0VDC at 1.0A;Reg Line ±.05%Δ,Load ±.15%Δ;Rpl 2.0mVrms
82	2413-21	50			MP691	Vi 230VAC at 50-400Hz;Vo 5.0VDC at 1.0A;Reg Line ±.05%Δ,Load ±.15%Δ;Rpl 2.0mVrms
83	2415	50			MP691	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±200mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
84	2415-21	50			MP691	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±200mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms
85	2419	50			MP691a	Vi 115VAC at 50-400Hz;Vo ±15VDC at ±500mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
86	2419-21	50			MP691a	Vi 230VAC at 50-400Hz;Vo ±15VDC at ±500mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms
87	2423	50			MP691a	Vi 115VAC at 50-400Hz;Vo 5.0VDC at 2.0A;Reg Line ±.05%Δ,Load ±.15%Δ;Rpl 2.0mVrms.
88	2423-21	50			MP691a	Vi 230VAC at 50-400Hz;Vo 5.0VDC at 2.0A;Reg Line ±.05%Δ,Load ±.15%Δ;Rpl 2.0mVrms
89	2438	50			MP691	Vi 115VAC at 50-400Hz;Vo ±12VDC at ±240mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms.
90	2438-21	50			MP691	Vi 230VAC at 50-400Hz;Vo ±12VDC at ±240mA;Reg Line ±.05%Δ,Load ±.05%Δ;Rpl 1.0mVrms
91♦	4025-1	50	5A		MP635a	Vi 115VAC at 400Hz;Po 25W;Vo 5.0 to 48V♦Ø at Io 5.0 to .52A;Eff 70 to 86%;Ln and Ld Reg 1%
92	4025-3	50	5C		MP635	3 Phase;Pwr25W;Vi103-126VAC;Freq360-440Hz;Vo5.0-48V;Io5.0-.52A;Eff70-80%
93♦	4050-1	50	5A		MP635a	Vi 115VAC at 400Hz;Po 50W;Vo 5.0 to 48V♦Ø at Io 10 to 1.04A;Eff 70 to 86%;Ln and Ld Reg 1%
94	4050-3	50	5C		MP635	3 Phase;Pwr50W;Vi103-126VAC;Freq360-440Hz;Vo5.0-48V;Io10-1.04A;Eff70-80%
95▼	4050-3-302	50	5A		MP636	Vi 115VAC at 400Hz;Triple Vo1 5.0VØ at Io 7.0A;Vo2,3 15VØ at Io 500mA;Eff 65%
96▼	4050-3-304	50	5A		MP636	Vi 115VAC at 400Hz;Triple Vo1 5.0VØ at Io 7.6A;Vo2,3 12VØ at Io 500mA;Eff 66%
97♦	4100-1	50	5A		MP635a	Vi 115VAC at 400Hz;Po 100W;Vo 5.0 to 48V♦Ø at Io 20 to 2.08A;Eff 70to86%;Ln and Ld Reg 1%
98	4100-3	50	5C		MP636	3 Phase;Pwr100W;Vi103-126VAC;Freq360-440Hz;Vo5.0-48V;Io20-2.08A;Eff70-80%
99▼	4100-3-301	50	5A		MP636	Vi 115VAC at 400Hz;Triple Vo1 5.0VØ at Io 11A;Vo2,3 15VØ at Io 1.5A;Eff 63%
100▼	4100-3-302	50	5A		MP636	Vi 115VAC at 400Hz;Triple Vo1 5.0VØ at Io 17A;Vo2,3 15VØ at Io 500mA;Eff 69%
101▼	4100-3-303	50	5A		MP636	Vi 115VAC at 400Hz;Triple Vo1 5.0VØ at Io 17A;Vo2,3 12VØ at Io 1.5A;Eff 64%
102▼	4100-3-304	50	5A		MP636	Vi 115VAC at 400Hz;Triple Vo1 5.0VØ at Io 17.6A;Vo2,3 12VØ at Io 500mA;Eff 69%
103	4200	50	27		MP537	Vi 105-125VAC;Vo ±8Vdc;Io 200mA;Reg Line And Load .01% max;Noise And Ripple 100uVRMS
104	4200-3	50	59		MP638	3 Phase;Pwr200W-250W;Vi103-126VAC;Freq360-440Hz;Vo5.0-48V;Eff75-87%
105▼	6200-1	50	47		MP748	Vi 115VAC at 47-440Hz;Vo 5.0 to 48V♦Ø at Po 200 to 250W,Eff 82 to 92%;Line Reg .3%,Ld .3%
106	8400	50	27		MP253a	Vi 105-125VAC;VO ±15V;IO 200mA*;Line and Load Reg ±.02%Δ.
107	8430	50	27		MP81	Vi 105-125VAC;VO ±15V;IO 100mA*;Line and Load Reg ±.02%Δ.
108	220821	50				Vi 230VAC ±10% at 50-400Hz;Vo ±15 at ±100mA;Reg ±0.03%;TC ±0.01%/°C.
109	220921	50				Vi 230VAC ±10% at 50-400Hz;Vo ±15 at ±50mA;Reg ±0.03%;TC 0.01%/°C.
110	221021	50				Vi 230VAC ±10% at 50-400Hz;Vo ±15 at 25mA;Reg ±0.2%;TC ±0.02%/°C.

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	221121	50				Vi 230VAC ±10% at 50-400Hz;Vo ±15 at 50mA;Reg ±0.1%;TC ±0.015%/°C.
2	221221	50				Vi 230VAC ±10% at 50-400Hz;Vo ±15 at ±100mA;Reg ±0.1%;TC ±0.015%/°C.
3	221321	50				Vi 230VAC ±10% at 50-400Hz;Vo Pos 5.0V at ±1.0A;Reg ±0.1%;TC ±0.02%/°C.
4	221521	50				Vi 230VAC ±10% at 50-400Hz;Vo ±15 at ±200mA;Reg ±0.05%;TC ±0.02%/°C.
5	221621	50				Vi 230VAC ±10% at 50-400Hz;Vo ±26 at ±45mA;Reg ±0.05%;TC ±0.02%/°C.
6	221721	50				Vi 230VAC ±10% at 50-400Hz;Vo ±120 at ±30mA;Reg ±0.01%;TC ±0.05%/°C.
7	A902	50	07		MP257a	Vi 125VACΔ;Vo ±15V;Freq. 50-400Hz;Tc 15m%/°C;Line Reg .015%Δ;Load Reg .03Δ.
8	A903	50	07		MP257a	Vi 125VACΔ;Vo 5.0V;Freq 50-400Hz;TC 15m%/°C;Line Reg .02%Δ;Load Reg .02%Δ;Io 0.0-0.5A
9	A904	50	07		MP257b	Vi 125VACΔ;Vo ±15V;Freq 50-400Hz;Tc 15m%/°C;Line Reg .015%Δ;Load Reg .03Δ.
10	A905	50	07		MP257a	Vi 125VACΔ;Vo 5.0V;Freq 50-400Hz;TC 15m%/°C;Line Reg .02%Δ;Load Reg .02%Δ;Io 0.0-1.0A
11	A955	50	07		MP257	Vi 125VACΔ;Vo 5.0V;Freq 50-400Hz;TC 15m%/°C;Line Reg .015%Δ;Load Reg .03%Δ
12#	AN318	50	16		MP576	VTR DC Servo Control;VCC 12V;Pd 640mW
13▼	BCM15-60	50	27		MP651	Vi 115VAC at 60-440Hz;Vo ±15VDC;Acc ±1%;Io ±60mA;Load Reg .05%;Rpl 2.0mVrms;TC .02%/°C
14▼	BCM15-60E	50	27		MP651	Vi 220VAC at 48-440Hz;Vo ±15VDC;Acc ±1%;Io ±60mA;Load Reg .05%;Rpl 2.0mVrms;TC .02%/°C
15▼	BCM15-60J	50	27		MP651	Vi 100VAC at 48-440Hz;Vo ±15VDC;Acc ±1%;Io ±60mA;Load Reg .05%;Rpl 2.0mVrms;TC .02%/°C
16	BCM15-100	50	27		MP651	115VAC†,Freq 60Hz, Vo ±15V, Io 100mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
17	BCM15-100E	50	27		MP651a	220VAC†,Freq Range 50-60Hz, Vo ±15V, Io 100mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
18	BCM15-100J	50	27		MP651	100VAC†,Freq Range 50-60Hz, Vo ±15V, Io 100mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
19	BCM15-200	50	27		MP651a	115VAC†,Freq 60Hz, Vo ±15V, Io 200mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
20	BCM15-200E	50	27		MP651a	220VAC†,Freq Range 50-60Hz, Vo ±15V, Io 200mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
21	BCM15-200J	50	27		MP651a	100VAC†,Freq Range 50-60Hz, Vo ±15V, Io 200mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
22	BCM15-300	50	27		MP651b	115VAC†,Freq 60Hz, Vo ±15V, Io 300mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
23	BCM15-300E	50	27		MP651b	220VAC†,Freq Range 50-60Hz, Vo ±15V, Io 300mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
24	BCM15-300J	50	27		MP651b	100VAC†,Freq Range 50-60Hz, Vo ±15V, Io 300mA,Reg Line .02%,Load .05%,Rpl 2.0mVrms
25	BPM5-250	50	27		MP365c	Vo±5V;Io±250mA;Max Reg .05% Line,.1%Load;Ripple 1mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
26	BPM5-250E	50	27		MP365d	Vo±5V;Io±250mA;Max Reg .05% Line,.1%Load;Ripple 1mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
27	BPM5-250J	50	27		MP365c	Vo±5V;Io±250mA;Max Reg .05% Line,.1%Load;Ripple 1mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
28	BPM5-500	50	27		MP365d	Vo±5V;Io±500mA;Max Reg .05% Line,.1%Load;Ripple 1mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
29	BPM5-500E	50	27		MP365e	Vo±5V;Io±500mA;Max Reg .05% Line,.1%Load;Ripple 1mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
30	BPM5-500J	50	27		MP365d	Vo±5V;Io±500mA;Mzx Reg .05% Line,.1%Load;Ripple 1mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
31	BPM12-60	50	27		MP365c	Vo±12V;Io±60mA;Max Reg .02% Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
32	BPM12-60E	50	27		MP365d	Vo±12V;Io±60mA;Max Reg .02% Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
33	BPM12-60J	50	27		MP365c	Vo±12V;Io±60mA;Max Reg .02% Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
34	BPM12-100	50	27		MP365c	Vo±12V;Io±100mA;Max Reg .02% Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
35	BPM12-100E	50	27		MP365d	Vo±12V;Io±100mA;Max Reg .02% Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
36	BPM12-100J	50	27		MP365c	Vo±12V;Io±100mA;Max Reg .02% Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
37	BPM12-200	50	27		MP365d	Vo±12V;Io±200mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
38	BPM12-200E	50	27		MP365d	Vo±12V;Io±200mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
39	BPM12-200J	50	27		MP365d	Vo±12V;Io±200mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
40	BPM12-300	50	27		MP365e	Vo±12V;Io±300mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
41	BPM12-300E	50	27		MP365e	Vo±12V;Io±300mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
42	BPM12-300J	50	27		MP365e	Vo±12V;Io±300mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
43	BPM15-60	50	27		MP365c	Vo±15V;Io±60mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
44	BPM15-60E	50	27		MP365d	Vo±15V;Io±60mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
45	BPM15-60J	50	27		MP365c	Vo±15V;Io±60mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
46	BPM15-100	50	27		MP365c	Vo±15V;Io±100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
47	BPM15-100E	50	27		MP365d	Vo±15V;Io±100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
48	BPM15-100J	50	27		MP365c	Vo±15V;Io±100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
49	BPM15-200	50	27		MP365d	Vo±15V;Io±200mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
50	BPM15-200E	50	27		MP365d	Vo±15V;Io±200mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
51	BPM15-200J	50	27		MP365d	Vo±15V;Io±200mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
52	BPM15-300	50	27		MP365e	Vo±15V;Io±300mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
53	BPM15-300E	50	27		MP365e	Vo±15V;Io±300mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
54	BPM15-300J	50	27		MP365e	Vo±15V;Io±300mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
55	BPM120-25	50	27		MP365e	Vi 115V AC,Freq 60Hz, Vo ±120V, Io 25mA, Line Reg .05%, Load Reg 0.1%, T.C. .02%/°C
56	BPM120-25E	50	27		MP365e	Vi 220V AC,Freq Range 50-60Hz,Vo ±120V,Io 25mA,Line Reg .05%,Load Reg 0.1%,T.C. .02%/°C
57	BPM120-25J	50	27		MP365e	Vi 100V AC,Freq Range 50-60Hz,Vo ±120V,Io 25mA,Line Reg .05%,Load Reg 0.1%,T.C. .02%/°C
58	BPM150-20	50	27		MP365e	Vi 115V AC,Freq 60Hz,Vo ±150V,Io 20mA,Line Reg .05%,Load Reg 0.1%,T.C. .02%/°C
59	BPM150-20E	50	27		MP365e	Vi 220V AC,Freq Range 50-60Hz,Vo ±150V,Io 20mA,Line Reg .05%,Load Reg 0.1%,T.C. .02%/°C
60	BPM150-20J	50	27		MP365e	Vi 100V AC,Freq Range 50-60Hz,Vo ±150V,Io 20mA,Line Reg .05%,Load Reg 0.1%,T.C. .02%/°C
61	BPM180-16	50	27		MP365e	Vi 115V AC,Freq 60Hz,Vo ±180V,Io 16mA,Line Reg .05%,Load Reg 0.1%,T.C. .02%/°C
62	BPM180-16E	50	27		MP365e	Vi 220V AC,Freq Range 50-60Hz,Vo ±180V,Io 16mA,Line Reg .05%,Load Reg 0.1%,T.C. .02%/°C
63	BPM180-16J	50	27		MP365e	Vi 100V AC,Freq Range 50-60Hz,Vo ±180V,Io 16mA,Line Reg .05%,Load Reg 0.1%,T.C. .02%/°C
64▼	BSM15-1.5	50	07			Vi 115VAC at 47-450Hz;Vo ±15VDC;Io 3.0A;Load Reg .1%;Line Reg .02%;Rpl 10mVp-p;TC .01%/°C
65▼	BSM15-1.5E	50	07			Vi 220VAC at 47-450Hz;Vo ±15VDC;Io 3.0A;Load Reg .1%;Line Reg .02%;Rpl 10mVp-p;TC .01%/°C
66	D12-03	50	27		MP391	Vi 115VAC†;Vo 12V;Io 25mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
67	D12-05	50	27		MP391	Vi 115VAC†;Vo 12V;Io 50mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
68	D12-10A	50	27		MP393b	Vi 115VAC†;Vo 12V;Io 100mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
69	D12-15A	50	27		MP393b	Vi 115VAC†;Vo 12V;Io 150mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
70	D12-30	50	27		MP393a	Vi 115VAC†;Vo 12V;Io 300mA;Line Reg .05%;Load Reg .05%;Ripple 1.0mVrms.
71	D12-35	50	27		MP393a	Vi 115VAC†;Vo 12V;Io 350mA;Line Reg .05%;Load Reg .05%;Ripple 1.0mVrms.
72	D15-03	50	27		MP391	Vi 115VAC†;Vo 15V;Io 25mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
73	D15-05	50	27		MP391	Vi 115VAC†;Vo 15V;Io 50mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
74	D15-10A	50	27		MP393b	Vi 115VAC†;Vo 15V;Io 100mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
75	D15-15A	50	27		MP393b	Vi 115VAC†;Vo 15V;Io 150mA;Line Reg .05%;Load Reg .10%;Ripple 1.0mVrms.
76	D15-30	50	27		MP393a	Vi 115VAC†;Vo 15V;Io 300mA;Line Reg .05%;Load Reg .05%;Ripple 1.0mVrms.
77	D15-35	50	27		MP393a	Vi 115VAC†;Vo 15V;Io 350mA;Line Reg .05%;Load Reg .05%;Ripple 1.0mVrms.
78	EE5S200	50	27		MP274	Vi 115VAC†;Vo 5.0V;Io 200mA;Freq50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°C†;Rpl 2mVrmsΔ
79	EE5S200E	50	27		MP274	Vi 220VAC†;Vo 5.0V;Io 200mA;Freq50-440Hz;Reg.Line .25% and Load.25%Δ;TC.02%/°C†;Rpl2mVrmsΔ
80	EE5S200EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 5.0V;Io 200mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
81	EE5S200G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 5.0V;Io 200mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
82	EE5S250	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 5.0V;Io 250mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
83	EE5S250E	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 5.0V;Io 250mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
84	EE5S250EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 5.0V;Io 250mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
85	EE5S250G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 5.0V;Io 250mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
86	EE5S500	50	27		MP273	Vi 115Vac†,50-440Hz;Vo 5.0V;Io 500mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
87	EE5S500E	50	27		MP273	Vi 220Vac†,50-440Hz;Vo 5.0V;Io 500mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
88	EE5S1000	50	27		MP273a	VI 115VAC†;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
89	EE5S1000E	50	27		MP273a	VI 220VAC†;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
90	EE10S100	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 10V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
91	EE10S100E	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 10V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
92	EE10S100EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 10V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
93	EE10S100G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 10V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
94	EE12D25	50	27		MP274	Vi 115VAC†;Vo±12V;Io 25mA;Freq 50-440Hz;Reg.Line .25% and Load.25%Δ;TC.02%†;Rpl 2.0mVrmsΔ
95	EE12D25E	50	27		MP274	Vi 220VAC†;Vo±12V;Io 25mA;Freq50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°C†;Rpl2.0mVrmsΔ
96	EE12D25EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo±12V;Io 25mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
97	EE12D25G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo±12V;Io 25mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
98	EE12D50	50	27		MP274	Vi 115Vac†,50-440Hz;Vo±12V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
99	EE12D50E	50	27		MP274	Vi 220Vac†,50-440Hz;Vo±12V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
100	EE12D50EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo±12V;Io 50mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
101	EE12D50G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo±12V;Io 50mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
102	EE12D100	50	27		MP273	Vi 115Vac†,50-440Hz;Vo±12V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
103	EE12D100E	50	27		MP273	Vi 220Vac†,50-440Hz;Vo±12V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
104	EE12D200	50	27		MP273a	Vi 115Vac†,50-440Hz;Vo±12V;Io 200mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
105	EE12D200E	50	27		MP273a	Vi 220Vac†,50-440Hz;Vo±12V;Io 200mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
106	EE12S100	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 12V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
107	EE12S100E	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 12V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
108	EE12S100EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 12V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
109	EE12S100G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 12V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
110	EE15D25	50	27		MP274	Vi 115VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°C†;Rpl2.0mVrmsΔ

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE - +	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	EE15D25E	50	27		MP274	Vi 220VAC†;Vo±15V;Io 25mA;Freq50-440Hz;Reg.Line.25% and Load.25%Δ;TC.02%/°C†;Rpl2.0mVrmsΔ
2	EE15D25EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo±15V;Io 25mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
3	EE15D25G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo±15V;Io 25mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
4	EE15D50	50	27		MP274	Vi 115Vac†,50-440Hz;Vo±15V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
5	EE15D50E	50	27		MP274	Vi 220Vac†;50-440Hz;Vo±15V;Io 50mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
6	EE15D50EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo±15V;Io 50mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
7	EE15D50G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo±15V;Io 50mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
8	EE15D100	50	27		MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
9	EE15D100E	50	27		MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
10	EE15D200	50	27		MP273a	VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
11	EE15D200E	50	27		MP273a	VI 220VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .25%,Load .25%;Noise 2.0mVrms.
12	EE15S100	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 15V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
13	EE15S100E	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 15V;Io 100mA;Reg Line and Load .25%;TC .02%/°C;Rpl 2.0mVrms.
14	EE15S100EG	50	27		MP274	Vi 220Vac†,50-440Hz;Vo 15V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
15	EE15S100G	50	27		MP274	Vi 115Vac†,50-440Hz;Vo 15V;Io 100mA;Reg Line .01%,Load .05%;TC .02%/°C;Rpl 1.0mVrms.
16	F5DA25	50	27		MP198a	Vi 105-125VAC;Vo ±5VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.
17	F5DA40	50	27		MP198a	Vi 105-125VAC;Vo ±5VDC;Io 400mA;Line Reg .05%;TC 0.02%/°C.
18	F5DB05	50	27		MP198b	Vi 105-125VAC;Vo ±5VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
19	F5DB15	50	27		MP198b	Vi 105-125VAC;Vo ±5VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.
20	F5SA1A	50	27		MP198a	Vi 105-125VAC;Vo 5VDC;Io 1.0A;Line Reg .05%;TC 0.02%/°C.
21	F5SB50	50	27		MP198b	Vi 105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.
22	F6DA25	50	27		MP198a	Vi 105-125VAC;Vo ±6VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.
23	F6DA40	50	27		MP198a	Vi 105-125VAC;Vo ±6VDC;Io 400mA;Line Reg .05%;TC 0.02%/°C.
24	F6DB05	50	27		MP198b	Vi 105-125VAC;Vo ±6VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
25	F6DB15	50	27		MP198b	Vi 105-125VAC;Vo ±6VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.
26	F6SA90	50	27		MP198a	Vi 105-125VAC;Vo 6VDC;Io 900mA;Line Reg .05%;TC 0.02%/°C.
27	F6SB45	50	27		MP198b	Vi 105-125VAC;Vo 6VDC;Io 450mA;Line Reg .05%;TC 0.02%/°C.
28	F8DA30	50	27		MP198a	Vi 105-125VAC;Vo ±8VDC;Io 300mA;Line Reg .05%;TC 0.02%/°C.
29	F8SA70	50	27		MP198a	Vi 105-125VAC;Vo 8VDC;Io 700mA;Line Reg .05%;TC 0.02%/°C.
30	F8SB35	50	27		MP198b	Vi 105-125VAC;Vo 8VDC;Io 350mA;Line Reg .05%;TC 0.02%/°C.
31	F10DA20	50	27		MP198a	Vi 105-125VAC;Vo ±10VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
32	F10DA25	50	27		MP198a	Vi 105-125VAC;Vo ±10VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.
33	F10DB05	50	27		MP198b	Vi 105-125VAC;Vo ±10VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
34	F10DB10	50	27		MP198b	Vi 105-125VAC;Vo ±10VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
35	F10SA50	50	27		MP198a	Vi 105-125VAC;Vo 10VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.
36	F10SB25	50	27		MP198b	Vi 105-125VAC;Vo 10VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.
37	F12DA20	50	27		MP198b	Vi 105-125VAC;Vo ±12VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
38	F12DA25	50	27		MP198a	Vi 105-125VAC;Vo ±12VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.
39	F12DB05	50	27		MP198b	Vi 105-125VAC;Vo ±12VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
40	F12DB10	50	27		MP198b	Vi 105-125VAC;Vo ±12VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
41	F12SA50	50	27		MP198a	Vi 105-125VAC;Vo 12VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.
42	F12SB25	50	27		MP198b	Vi 105-125VAC;Vo 12VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.
43	F12TA10D	50	27		MP440	Vi 105-125VAC;Vo ±12VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
44	F12TA10S	50	27		MP440	Vi 105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.
45	F15DA20	50	27		MP198a	Vi 105-125VAC;Vo ±15VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
46	F15DA25	50	27		MP198a	Vi 105-125VAC;Vo ±15VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.
47	F15DB05	50	27		MP198b	Vi 105-125VAC;Vo ±15VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
48	F15DB10	50	27		MP198b	Vi 105-125VAC;Vo ±15VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
49	F15SA50	50	27		MP198a	Vi 105-125VAC;Vo 15VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.
50	F15SB25	50	27		MP198b	Vi 105-125VAC;Vo 15VDC;Io 250mA;Line Reg .05%;TC 0.02%/°C.
51	F15TA10D	50	27		MP440	Vi 105-125VAC;Vo ±15VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
52	F15TA10S	50	27		MP440	Vi 105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.
53	F18DA20	50	27		MP198a	Vi 105-125VAC;Vo ±18VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
54	F18DA20X	50	27		MP198a	Vi 105-125VAC;Vo ±18VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
55	F18DB05	50	27		MP198b	Vi 105-125VAC;Vo ±18VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
56	F18DB10	50	27		MP198b	Vi 105-125VAC;Vo ±18VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
57	F18SA20	50	27		MP198a	Vi 105-125VAC;Vo 18VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
58	F18SB10	50	27		MP198b	Vi 105-125VAC;Vo 18VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
59	F18TA08D	50	27		MP440	Vi 105-125VAC;Vo ±18VDC;Io 75mA;Line Reg .05%;TC 0.02%/°C.
60	F18TA08S	50	27		MP440	Vi 105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.
61	F20DA15	50	27		MP198a	Vi 105-125VAC;Vo ±20VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.
62	F20DA20	50	27		MP198a	Vi 105-125VAC;Vo ±20VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
63	F20DB05	50	27		MP198b	Vi 105-125VAC;Vo ±20VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
64	F20DB08	50	27		MP198b	Vi 105-125VAC;Vo ±20VDC;Io 75mA;Line Reg .05%;TC 0.02%/°C.
65	F20SA20	50	27		MP198a	Vi 105-125VAC;Vo 20VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
66	F20SB10	50	27		MP198b	Vi 105-125VAC;Vo 20VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
67	F22DA20	50	27		MP198a	Vi 105-125VAC;Vo ±22VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
68	F24DA15	50	27		MP198a	Vi 105-125VAC;Vo ±24VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.
69	F24DA15X	50	27		MP198a	Vi 105-125VAC;Vo ±24VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.
70	F24DB05	50	27		MP198b	Vi 105-125VAC;Vo ±24VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
71	F24DB08	50	27		MP198b	Vi 105-125VAC;Vo ±24VDC;Io 75mA;Line Reg .05%;TC 0.02%/°C.
72	F24SA20	50	27		MP198a	Vi 105-125VAC;Vo 24VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
73	F24SB10	50	27		MP198b	Vi 105-125VAC;Vo 24VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
74	F24TA05D	50	27		MP440	Vi 105-125VAC;Vo ±24VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
75	F24TA05S	50	27		MP440	Vi 105-125VAC;Vo 5VDC;Io 500mA;Line Reg .05%;TC 0.02%/°C.
76	F28DA15	50	27		MP198a	Vi 105-125VAC;Vo ±28VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.
77	F28DA15X	50	27		MP198a	Vi 105-125VAC;Vo ±28VDC;Io 150mA;Line Reg .05%;TC 0.02%/°C.
78	F28DB05	50	27		MP198b	Vi 105-125VAC;Vo ±28VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
79	F28DB08	50	27		MP198b	Vi 105-125VAC;Vo ±28VDC;Io 75mA;Line Reg .05%;TC 0.02%/°C.
80	F28SA20	50	27		MP198a	Vi 105-125VAC;Vo 28VDC;Io 200mA;Line Reg .05%;TC 0.02%/°C.
81	F28SB10	50	27		MP198b	Vi 105-125VAC;Vo 28VDC;Io 100mA;Line Reg .05%;TC 0.02%/°C.
82	F200SA05	50	27		MP198a	Vi 105-125VAC;Vo 200VDC;Io 50mA;Line Reg .05%;TC 0.02%/°C.
83	F200SB03	50	27		MP198b	Vi 105-125VAC;Vo 200VDC;Io 25mA;Line Reg .05%;TC 0.02%/°C.
84	K902	50	27		MP672	Vi 115VAC;Vo ±15VDC;Io 100mA;Line Reg ±0.02% max;Load Reg ±0.05% max;Acc 1.0%
85	K903	50	27		MP672b	Vi 115VAC;Vo 5.0VDC;Io 500mA;Line Reg ±0.02% max;Load Reg ±0.05% max;Acc 1.0%
86	K904	50	27		MP672	Vi 115VAC;Vo ±15VDC;Io 50mA;Line Reg ±0.02% max;Load Reg ±0.05% max;Acc 1.0%
87	K905	50	27		MP672c	Vi 115VAC;Vo 5.0VDC;Io 1.0A;Line Reg ±0.02% max;Load Reg ±0.05% max;Acc 1.0%
88	K920	50	27		MP672a	Vi 115VAC;Vo ±15VDC;Io 200mA;Line Reg ±0.02% max;Load Reg ±0.05% max;Acc 1.0%
89	L5S500	50	27		MP304	Vi 115VAC†;Freq.Range 50-440Hz;Vo 5Vdc at 500mA;Reg Line .05%,Load .10%;Noise 2.0mVrms.
90	L5S1000	50	27		MP304	Vi 115VAC†;Freq.Range 50-440Hz;Vo 5Vdc at 1.0A;Reg Line .05%,Load .10%;Noise 2.0mVrms.
91	L15D100	50	27			VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .05%,Load .10%;Noise 2.0mVrms.
92	L15D200	50	27			VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .05%,Load .10%;Noise 2.0mVrms.
93	LCD1.5.1000	50	27		MP198g	ΔVi 105-125V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Line and Load Reg .20%♦;T.C. .02%/°C.
94	LCD1.5.1000K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Line and Load Reg .20%♦;T.C. .02%/°C.
95	LCD1.5.500	50	27		MP198f	ΔVi 105-125V;Freq 50-440Hz;Vo 5.0V;Io 500mA;Line and Load Reg .20%♦;T.C. .02%/°C.
96	LCD1.5.500K	50	27		MP198f	Vi 220V;Freq 50-440Hz;Vo ±5.0V;Io 500mA;Line and Load Reg .20%♦;T.C. .02%/°C.
97	LCD2.12.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±12V;Io 100mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
98	LCD2.12.100K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±100mA;Line and Load Reg .20%♦;T.C. .02%/°C.
99	LCD2.12.200	50	27		MP198c	Vi 105-125V;Freq 50-440Hz;Vo ±12V;Io ±200mA;Line and Load Reg .20%♦;T.C. .02%/°C.
100	LCD2.12.200K	50	27		MP198c	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±200mA;Line and Load Reg .20%♦;T.C. .02%/°C.
101	LCD2.15.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 100mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
102	LCD2.15.100K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±100mA;Line and Load Reg .20%♦;T.C. .02%/°C.
103	LCD2.15.200	50	27		MP198c	Vi 105-125V;Freq 50-440Hz;Vo ±15V;Io ±200mA;Line and Load Reg .20%♦;T.C. .02%/°C.
104	LCD2.15.200K	50	27		MP198c	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±200mA;Line and Load Reg .20%♦;T.C. .02%/°C.
105	LCD2.15.25	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 25mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
106	LCD2.15.25K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±25mA;Line and Load Reg .20%♦;T.C. .02%/°C.
107	LCD2.15.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
108	LCD2.15.50K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±50mA;Line and Load Reg .20%♦;T.C. .02%/°C.
109	LCD2.18.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±18V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
110	LCD2.18.50K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±18V;Io ±50mA;Line and Load Reg .20%♦;T.C. .02%/°C.

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP / CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	LCD2.24.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±24V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
2	LCD2.24.50K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±24V;Io ±50mA;Line and Load Reg .20%♦;T.C. .02%/°C.
3	LCD2.5.500	50	27		MP198c	ΔVi 105-125V;Freq 50-440Hz;Vo ±500mA;Line and Load Reg .20%♦;T.C. .02%/°C.
4	LCD2.5.500K	50	27		MP198c	Vi 220V;Freq 50-440Hz;Vo ±5.0V;Io 500mA;Line and Load Reg .20%♦;T.C. .02%/°C.
5	LCD2.6.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±6V;Io 50mA;Reg.load and line .2%;TC .02%/°C†;Rpl 1.0mVrms.
6	LCD2.6.50K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±6.0V;Io ±50mA;Line and Load Reg .20%♦;T.C. .02%/°C.
7	MP1.5.1000-2.12.100	50	27		MP365b	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io1.0A or Vo±12V,Io±100mA;Reg.Line.01%max,Load.05%♦max.
8	MP1.5.1000-2.15.100	50	27		MP365b	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io1.0A or Vo±15V,Io100mA;Reg.Line.01%max,Load.05%max♦.
9	MP1.5.225-2.12.40	50	27		MP365	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io225mA or Vo±12V;Io±40mA;Reg.Line.01%max,Load.05%♦max.
10	MP1.5.225-2.15.40	50	27		MP365	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io225mA or Vo±15V,Io±40mA;Reg.Line.01%max,Load.05%max♦.
11	MP1.5.300-2.12.150	50	27		MP365a	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io330mA or Vo±12V,Io±150mA;Reg.Line.01%max,Load.05%♦max.
12	MP1.5.300-2.15.150	50	27		MP365a	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io300mA or Vo±15V,Io150mA;Reg.Line.01%max,Load.05%max♦.
13	MP1.5.500-2.12.100	50	27		MP365a	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io500mA or Vo±12V,Io±100mA;Reg.Line.01%max,Load.05%♦max.
14	MP1.5.500-2.15.100	50	27		MP365a	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io500mA or Vo±15V,Io100mA;Reg.Line.01%max,Load.05%max♦.
15	MP1.5.750-2.12.150	50	27		MP365b	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io750mA or Vo±12V,Io±150mA;Reg.Line.01%max,Load.05%♦max.
16	MP1.5.750-2.15.150	50	27		MP365b	Vi 105-125V;Freq50-440Hz;Vo5.0V,Io750mA or Vo±15V,Io150mA;Reg.Line.01%max,Load.05%max♦.
17	NT008	50	27		MP180	Vi 115 VAC†;ΔVo 0.0-8.0;Io 2.0A;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
18	NT010	50	27		MP180a	Vi 115 VAC†;ΔVo 0.0-10;Io 750mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
19	NT015	50	27		MP180a	Vi 115 VAC†;ΔVo 0.0-15;Io 500mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
20	NT025	50	27		MP180	Vi 115 VAC†;ΔVo 0.0-25;Io 750mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
21	NT040	50	27		MP180	Vi 115 VAC†;ΔVo 0.0-40;Io 500mA;Freq. 60-420Hz;Line Reg. .005%;Load Reg. .005%.
22	P1.10.200	50	27		MP198g	ΔVi 105-125V;Freq 50-440Hz;Vo 10V;Io 200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
23	P1.10.200K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 10V;Io 200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
24	P1.12.400	50	27		MP198g	ΔVi 105-125V;Freq 50-440Hz;Vo 12V;Io 400mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
25	P1.12.400K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 12V;Io 400mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
26	P1.15.400	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 15V;Io 400mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
27	P1.15.400K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 15V;Io 400mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
28	P1.18.100	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 18V;Io 100mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
29	P1.18.100K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 18V;Io 100mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
30	P1.18.200	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 18V;Io 200mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
31	P1.18.200K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 18V;Io 200mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
32	P1.200.25	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 200V;Io 25mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
33	P1.200.25K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 200V;Io 25mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
34	P1.22.100	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 22V;Io 100mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
35	P1.22.100K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 22V;Io 100mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
36	P1.22.200	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 22V;Io 200mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
37	P1.22.200K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 22V;Io 200mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
38	P1.24.100	50	27		MP198f	Vi 105-125V;Freq 50-440Hz;Vo 24V;Io 100mA;Reg Line .01%Δ,Load .05% max♦;T.C. .02%/°C.
39	P1.24.100K	50	27		MP198f	Vi 220V;Freq 50-440Hz;Vo 24V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
40	P1.24.200	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 24V;Io 200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
41	P1.24.200K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 24V;Io 200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
42	P1.28.100	50	27		MP198f	Vi 105-125V;Freq 50-440Hz;Vo 28V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
43	P1.28.100K	50	27		MP198f	Vi 220V;Freq 50-440Hz;Vo 28V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
44	P1.28.200	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 28V;Io 200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
45	P1.28.200K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 28V;Io 200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
46	P1.30.100	50	27		MP198f	Vi 105-125V;Freq 50-440Hz;Vo 30V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
47	P1.30.100K	50	27		MP198f	Vi 220V;Freq 50-440Hz;Vo 30V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
48	P1.30.200	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 36V;Io 200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
49	P1.30.200K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 36V;Io 200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
50	P1.36.100	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 36V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
51	P1.36.100K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 36V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
52	P1.48.100	50	27		MP198g	Vi 105-125V;Freq 50-440Hz;Vo 48V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
53	P1.48.100K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 48V;Io 100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
54	P1.5.1000	50	27		MP198a	Vi 115VAC†,50-440Hz;Vo 5.0V;Io 1000mA;Reg load .1%,line .05%;TC .02%/°C†;Rpl 1.0mVrms.
55	P1.5.1000K	50	27		MP198g	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Line and Load Reg .05% max♦;T.C. .02%/°C.
56	P1.5.1500	50	27		MP198h	ΔVi 105-125V;Freq 50-440Hz;Vo 5.0V;Io 1.5A;Line and Load Reg .05% max♦;T.C. .02%/°C.
57	P1.5.1500K	50	27		MP198h	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 1.5A;Line and Load Reg .05% max♦;T.C. .02%/°C.
58	P1.5.2000	50	27		MP198h	ΔVi 105-125V;Freq 50-440Hz;Vo 5.0V;Io 2.0A;Line and Load Reg .05% max♦;T.C. .02%/°C.
59	P1.5.2000K	50	27		MP198h	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 2.0A;Line and Load Reg .05% max♦;T.C. .02%/°C.
60	P1.5.500	50	27		MP198b	Vi 115VAC†,50-440Hz;Vo 5.0V;Io 500mA;Reg load .1%,line .05%;TC .02%/°C†;Rpl 1.0mVrms.
61	P1.5.500K	50	27		MP198f	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 500mA;Line and Load Reg .05% max♦;T.C. .02%/°C.
62	P2.10.100	50	27		MP198	Vi 105-125V;Freq 50-440Hz;Vo ±10V;Io ±100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
63	P2.10.100J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo±10V;Io 100mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
64	P2.10.100K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±10V;Io ±100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
65	P2.12.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±12V;Io 100mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
66	P2.12.100-6.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo 12,-6.0;Io 100mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0VrmsΔ.
67	P2.12.100-6.100K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±18V§;Io ±100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
68	P2.12.100K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
69	P2.12.200	50	27		MP198c	Vi 115VAC†,50-400Hz;Vo±12V;Io 200mA;Reg load .05%,line .01%;TC.02%/°C†;Rpl 1.0mVrms.
70	P2.12.200K	50	27		MP198c	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
71	P2.12.25	50	27		MP198	Vi 105-125V;Freq 50-440Hz;Vo ±12V;Io ±25mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
72	P2.12.25K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±25mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
73	P2.12.300	50	27		MP198j	Vi 105-125V;Freq 50-440Hz;Vo ±12V;Io ±300mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
74	P2.12.300K	50	27		MP198j	Vi 220V;Freq 50-440Hz;Vo ±12V;Io ±300mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
75	P2.12.50-6.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo 12,-6.0;Io 50mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
76	P2.12.50-6.50K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±18V§;Io ±50mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
77	P2.12.60	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±12V;Io 60mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
78	P2.15.100	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 100mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
79	P2.15.100J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo±15V;Io 100mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
80	P2.15.100K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
81	P2.15.200	50	27		MP198c	Vi 115VAC†,50-400Hz;Vo±15V;Io 200mA;Reg load .05%,line .01%;TC .02%/°C†;Rpl 1.0mVrms.
82	P2.15.200K	50	27		MP198c	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±200mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
83	P2.15.25	50	27		MP198	Vi 105-125V;Freq 50-440Hz;Vo ±15V;Io ±25mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
84	P2.15.25K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±25mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
85	P2.15.300	50	27		MP198j	Vi 105-125V;Freq 50-440Hz;Vo ±15V;Io ±300mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
86	P2.15.300K	50	27		MP198j	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±300mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
87	P2.15.50J	50	27		MP231	Vi 115VAC†,50-440Hz;Vo±15V;Io 50mA;Reg load .05%,line .01%;Isol 100GΩ*;Ileakage 5.0uAΔ.
88	P2.15.60	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±15V;Io 60mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
89	P2.15.60K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±60mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
90	P2.18.100	50	27		MP198c	Vi 115VAC†,50-400Hz;Vo±18V;Io 100mA;Reg load .05%,line .01%;TC .02%/°C†;Rpl 1.0mVrms.
91	P2.18.100K	50	27		MP198c	Vi 220V;Freq 50-440Hz;Vo ±18V;Io ±100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
92	P2.18.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±18V;Io 50mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
93	P2.24.100	50	27		MP198c	vi 115VAC†,50-400Hz;Vo±24V;Io 100mA;Reg load .05%,line .01%;TC .02%/°C†;Rpl 1.0mVrms.
94	P2.24.100K	50	27		MP198c	Vi 220V;Freq 50-440Hz;Vo ±24V;Io ±100mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
95	P2.24.50	50	27		MP198	Vi 115VAC†,50-440Hz;Vo±24V;Io 50mA;Reg load .05%,line .01%;TC .015%/°C†;Rpl 1.0mVrmsΔ.
96	P2.24.50K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±24V;Io ±50mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
97	P2.5.250-12.100	50	27		MP198	Vi 105-125V;Freq 50-440Hz;Vo ±17V§;Io ±350mA§;Reg Line .01% max,Load .05%max♦;T.C. .02%/°C
98	P2.5.250-12.100K	50	27		MP198	Vi 220V;Freq 50-440Hz;Vo ±17V§;Io ±350mA§;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
99	P2.5.500-12.200	50	27		MP198c	Vi 105-125V;Freq 50-440Hz;Vo ±17V§;Io ±700mA§;Reg Line .01%max,Load .05%max♦;T.C. .02%/°C
100	P2.5.500-12.200K	50	27		MP198c	Vi 220V;Freq 50-440Hz;Vo ±17V§;Io ±700mA§;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	[2] TYPE No.	[1] USE	TEMP	CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	P2.6.50	50	27			MP198	Vi 105-125V;Freq 50-440Hz;Vo ±6.0V;Io ±50mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
2	P2.6.50K	50	27			MP198	Vi 220V;Freq 50-440Hz;Vo ±6.0V;Io ±50mA;Reg Line .01% max,Load .05% max♦;T.C. .02%/°C.
3	P741-1012	50	27			MP198d	Vi 115VAC;Vo ±12V;Io 100mA;Freq 40-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
4	P741-1012K	50	27			MP198d	Vi 220VAC;Vo ±12V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
5	P741-1015	50	27			MP198d	Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
6	P741-1015K	50	27			MP198d	Vi 220VAC;Vo ±15V;Io 100mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
7	P741-5005S	50	27			MP198e	Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
8	P741-5005SK	50	27			MP198e	Vi 220VAC;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC.02%/°C;Rpl 1.0mVrms
9	PM301	50	27			MP390a	Vi 115VAC;Vo ±15V;Io 350mA;Freq 50-400Hz;TC.02%/°C;Reg Line and Load .05%;RPL 1mVrms
10	PM302	50	27			MP390	Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Line and Load Reg .05%;RPL 1.0mVRMS.
11	PM334	50	27			MP390	Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-400Hz;TC .02%/°C;Reg Line .05%,Load .10%;RPL 2.0mVRMS.
12	PM336	50	27			MP390	Vi 115VAC;Vo ±12V;Io 120mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.
13	PM337	50	27			MP390	Vi 115VAC;Vo ±12V;Io 240mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.
14	PM342	50	27			MP390	Vi 115VAC;Vo 5.0V;Io 1000mA;Freq 50-400Hz;TC .02%/°C;Reg Line .05%,Load .15%;RPL 2.0mVRMS.
15	PM345	50	27			MP390a	Vi 115VAC;Vo 5.0V;Io 2A;Freq 50-400Hz;TC.02%/°C;Reg Line .05%,Load .15%;RPL 2MVrms
16	PM365	50	27			MP390	Vi 115VAC;Vo ±15V;Io 200mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.
17	PM396	50	27			MP390a	Vi 115VAC;Vo ±15V;Io 500mA;Freq 50-400Hz;TC.02%/°C;Reg Line and Load .05%;RPL 1mVrms
18	PM397	50	27			MP390a	Vi 115VAC;Vo ±12V;Io 400mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1mVrms.
19	PM501	50	27			MP387d	Vi 115VAC;Vo ±15V;Io 350mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .02%;RPL 500uVRMS.
20	PM502	50	27			MP387b	Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .02%;RPL 500uVRMS.
21	PM503	50	27			MP387b	Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-400Hz;TC 20m%/°C;Reg Line .02%,Load .04%;RPL 1.0mVRMS.
22	PM505	50	27			MP387	Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .02%;RPL 500uVRMS.
23	PM509	50	27			MP387	Vi 115VAC;Vo ±12V;Io 25mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .20%;RPL 2.0mVRMS.
24	PM510	50	27			MP387	Vi 115VAC;Vo ±12V;Io 50mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .02%;RPL 500uVRMS.
25	PM511	50	27			MP387	Vi 115VAC;Vo ±18V;Io 25mA;Freq 50-400Hz;TC 20m%/°C;Reg Line and Load .20%;RPL 2.0mVRMS.
26	PM512	50	27			MP387	Vi 115VAC;Vo ±18V;Io 50mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
27	PM513	50	27			MP387b	Vi 115VAC;Vo ±18V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
28	PM514	50	27			MP387b	Vi 115VAC;Vo ±24V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
29	PM522	50	27			MP94	Vi 115VAC;Vo 6.0V;Io 200mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 500uVRMS.
30	PM529	50	27			MP94	Vi 115VAC;Vo 5.0V;Io 250mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 500uVRMS.
31	PM531	50	27			MP387	Vi 115VAC;Vo ±24V;Io 50mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
32	PM533	50	27			MP387a	Vi 115VAC;Vo 5.0V;Io 250mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%,Load .04%;RPL 1.0mVRMS.
33	PM534	50	27			MP387a	Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%,Load .04%;RPL 1.0mVRMS.
34	PM536	50	27			MP387	Vi 115VAC;Vo ±12V;Io 120mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
35	PM537	50	27			MP387b	Vi 115VAC;Vo ±12V;Io 240mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
36	PM538	50	27			MP387	Vi 115VAC;Vo ±15V;Io 25mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .20%;RPL 2.0mVRMS.
37	PM542	50	27			MP387c	Vi 115VAC;Vo 5.0V;Io 1000mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%,Load .04%;RPL 1.0mVRMS.
38	PM544	50	27			MP94	Vi 115VAC;Vo 3.6V;Io 250mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 500uVRMS.
39	PM545	50	27			MP387e	Vi 115VAC;Vo 5.0V;Io 2000mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%,Load .05%;RPL 1.0mVRMS.
40	PM553	50	27			MP387	Vi 115VAC;Vo ±15V;Io 65mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
41	PM560	50	27			MP93	Vi 115VAC;Vo 18.0V;Io 65mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 1.0mVRMS.
42	PM562	50	27			MP93	Vi 115VAC;Vo 28.0V;Io 40mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 1.0mVRMS.
43	PM563	50	27			MP93	Vi 115VAC;Vo 12.0V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
44	PM565	50	27			MP387b	Vi 115VAC;Vo ±15V;Io 200mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
45	PM570	50	27			MP387b	Vi 115VAC;Vo ±15V;Io 150mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
46	PM574	50	27			MP93	Vi 115VAC;Vo 20.0V;Io 60mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 1.0mVRMS.
47	PM576	50	27			MP93	Vi 115VAC;Vo 15.0V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
48	PM585	50	27			MP93	Vi 115VAC;Vo 24.0V;Io 50mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 1.0mVRMS.
49	PM587	50	27			MP93	Vi 115VAC;Vo 10.0V;Io 120mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
50	PM588	50	27			MP387b	Vi 115VAC;Vo ±26V;Io 50mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
51	PM597	50	27			MP387d	Vi 115VAC;Vo ±12V;Io 400mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .02%;RPL 500uVRMS.
52	PM598#1	50	27			MP389a	Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%,Load .03%;RPL 1.0mVRMS.
53	PM598#2	50	27			MP389a	Vi 115VAC;Vo 5.0V;Io 250mA;Freq 50-400Hz;TC .02%/°C;Reg Line and Load .05%;RPL 1.0mVRMS.
54	PM599#1	50	27			MP389	Vi 115VAC;Vo ±15V;Io 100mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%,Load .03%;RPL 1.0mVRMS.
55	PM599#2	50	27			MP389	Vi 115VAC;Vo 5.0V;Io 500mA;Freq 50-400Hz;TC .02%/°C;Reg Line .02%,Load .06%;RPL 1.0mVRMS.
56	SE5D100	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±5Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
57	SE5D100E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±5Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
58	SE5D250	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±5Vdc at 250mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
59	SE5D250E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±5Vdc at 250mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
60	SE5S250	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 5Vdc at 250mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
61	SE5S250E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 5Vdc at 250mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
62	SE5S500	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 5Vdc at 500mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
63	SE5S500E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 5Vdc at 500mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
64	SE5S1000	50	27			MP273a	VI 115VAC†;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
65	SE5S1000E	50	27			MP273a	VI 220VAC†;Freq.Range 50-440Hz;VO 5Vdc at 1.0A;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
66	SE10S200	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 10Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
67	SE10S200E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 10Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
68	SE12D50	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±12Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
69	SE12D50E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±12Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
70	SE12D100	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±12Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
71	SE12D100E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±12Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
72	SE12D200	50	27			MP273a	VI 115VAC†;Freq.Range 50-440Hz;VO ±12Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
73	SE12D200E	50	27			MP273a	VI 220VAC†;Freq.Range 50-440Hz;VO ±12Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
74	SE12S200	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 12Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
75	SE12S200E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 12Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
76	SE15D50	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
77	SE15D50E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
78	SE15D100	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
79	SE15D100E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
80	SE15D200	50	27			MP273a	VI 115VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
81	SE15D200E	50	27			MP237a	VI 220VAC†;Freq.Range 50-440Hz;VO ±15Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
82	SE15S200	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 15Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
83	SE15S200E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 15Vdc at 200mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
84	SE18D50	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±18Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
85	SE18D50E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±18Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
86	SE18D100	50	27			MP237a	VI 115VAC†;Freq.Range 50-440Hz;VO ±18Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
87	SE18D100E	50	27			MP237a	VI 220VAC†;Freq.Range 50-440Hz;VO ±18Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
88	SE18S100	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 18Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
89	SE18S100E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 18Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
90	SE20S100	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 20Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
91	SE20S100E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 20Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
92	SE24D50	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO ±24Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
93	SE24D50E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO ±24Vdc at 50mA;Reg.Line .01%,Load .05%;Noise 1.0Vrms.
94	SE24S100	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 24Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
95	SE24S100E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 24Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
96	SE28S100	50	27			MP273	VI 115VAC†;Freq.Range 50-440Hz;VO 28Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
97	SE28S100E	50	27			MP273	VI 220VAC†;Freq.Range 50-440Hz;VO 28Vdc at 100mA;Reg.Line .01%,Load .05%;Noise 1.0mVrms.
98	SE902	50	27			MP271a	Vi 115VAC†;Vo±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
99	SE902A	50	27			MP273a	Vi 115VAC†;Vo±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.015%/°C†;Rpl.5mVrms.
100	SE902E	50	27			MP271a	Vi 220VAC†;Vo±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
101	SE902I	50	27			MP271a	Vi 115VAC†;Vo±15V;Io 100mA;Freq 50-440Hz;Reg.Load.1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
102	SE903	50	27			MP271b	Vi 115VAC†;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
103	SE903A	50	27			MP273b	Vi 115VAC†;Vo 5.0V;Io 500mA;Freq50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
104	SE903E	50	27			MP271b	Vi 220VAC†;Vo 5.0V;Io 500mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
105	SE904	50	27			MP271	Vi 115VAC†;Vo±15V;Io 50mA;Freq 50-440Hz;Reg.Load .1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
106	SE904A	50	27			MP273	Vi 115VAC†;Vo±15V;Io 50mA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.015%/°C†;Rpl.5mVrms.
107	SE904E	50	27			MP271	Vi 220VAC†;Vo±15V;Io 50mA;Freq 50-440Hz;Reg.Load .1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
108	SE904I	50	27			MP271	Vi 115VAC†;Vo±15V;Io 50mA;Freq 50-440Hz;Reg.Load .1% and Line .05%;TC .015%/°C†;Rpl.5mVrms
109	SE905	50	27			MP271b	Vi 115VAC†;Vo 5.0V;Io 1.0kA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C;Rpl 1.0mVrms
110	SE905A	50	27			MP273b	Vi 115VAC†;Vo 5.0V;Io 1.0kA;Freq50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms

LINE No.	[2] TYPE No.	[1] USE	TECODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	SE905E	50	27		MP271b	Vi 220VAC†;Vo 50V;Io 1.0kA;Freq 50-440Hz;Reg.Load.1% and Line.05%;TC.02%/°C†;Rpl 1.0mVrms
2	SE915	50	27		MP271	Vi 115VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Load .2% and Line .2%;TC .02%/°C†;Rpl 1.0mVrms
3	SE915A	50	27		MP273	Vi 115VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Load.2% and Line.2%;TC.02%/°C†;Rpl 1.0mVrms.
4	SE915E	50	27		MP271	Vi 220VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Load and Line .2%;TC .02%/°C†;Rpl 1.0mVrms.
5	SE915I	50	27		MP271	Vi 115VAC†;Vo±15V;Io 25mA;Freq 50-440Hz;Reg.Load and Line .2%;TC .02%/°C†;Rpl 1.0mVrms.
6	SM50-18	50	27		MP518	Reg PS;Vi 105-125VAC;Vo 18V;Io 50mA;Reg %:Line .02,Load 0.1
7	SM60-12	50	27		MP518	Reg PS;Vi 105-125VAC;Vo ±12V;Io 60mA;Reg %:Line .01,Load .05
8	SM60-15	50	27		MP518	Reg PS;Vi 105-125VAC;Vo 15V;Io 60mA;Reg %:Line .01,Load .05
9	SM100-12	50	27		MP518	Reg PS;Vi 105-125VAC;Vo ±12V;Io 100mA;Reg %:Line .01,Load .05
10	SM100-15	50	27		MP518	Reg PS;Vi 105-125VAC;Vo 15V;Io 100mA;Reg %:Line .01,Load .05
11	SM100-18	50	27		MP518a	Reg PS;Vi 105-125VAC;Vo 18V;Io 100mA;Reg %:Line .02,Load 0.1
12	SM200-12	50	27		MP518a	Reg PS;Vi 105-125VAC;Vo ±12V;Io 200mA;Reg %:Line .01,Load .05
13	SM200-15	50	27		MP518a	Reg PS;Vi 105-125VAC;Vo 15V;Io 200mA;Reg %:Line .01,Load .05
14	SM300-12	50	27		MP518b	Reg PS;Vi 105-125VAC;Vo ±12V;Io 300mA;Reg %:Line .01,Load .05
15	SM300-15	50	27		MP518b	Reg PS;Vi 105-125VAC;Vo 15V;Io 300mA;Reg %:Line .01,Load .05
16	SM300/5-150/12	50	27		MP518a	Reg PS;Vi 105-125VAC;Vo 5,±12;Io 300,150mA;Reg %:Line .01,Load .05
17	SM300/5-150/15	50	27		MP518a	Reg PS;Vi 105-125VAC;Vo 5,±15;Io 300,150mA;Reg %:Line .01,Load .05
18	SM500-5	50	27		MP518	Reg PS;Vi 105-125VAC;Vo 5;Io 500mA;Reg %:Line .02,Load 0.1
19	SM1000-5	50	27		MP518a	Reg PS;Vi 105-125VAC;Vo 5;Io 1.0A;Reg %:Line .02,Load 0.1.
20	SM2000-5	50	27		MP518b	Reg PS;Vi 105-125VAC;Vo 5;Io 2.0A;Reg %:Line .02,Load 0.1
21	SP5902	50	27		MP271a	Vi 105-125V;Freq 50-440Hz;Vo ±15V;Io ±100mA;Reg.Line .05%max,Load .10%max;T.C. .015%/°C.
22	SP5902K	50	27		MP271a	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±100mA;Reg.Line.05% max,Load .10% max;T.C. .015%/°C.
23	SP5903	50	27		MP271b	Vi 105-125V;Freq 50-440Hz;Vo 5.0V;Io 500mA;Reg.Line .05% max,Load .10%max;T.C. .020%/°C.
24	SP5903K	50	27		MP271b	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 500mA;Reg.Line .05% max,Load .10% max;T.C. .020%/°C.
25	SP5904	50	27		MP271	Vi 105-125V;Freq 50-440Hz;Vo ±15V;Io ±50mA;Reg.Line .05%max,Load.10%max;T.C. .015%/°C.
26	SP5904K	50	27		MP271	Vi 220V;Freq 50-440Hz;Vo ±15V;Io 50mA;Reg.Line .05%max,Load .10%max;T.C. .015%/°C.
27	SP5905	50	27		MP271b	Vi 105-125V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Reg.Line .05% max,Load .10% max;T.C. .020%/°C.
28	SP5905K	50	27		MP271b	Vi 220V;Freq 50-440Hz;Vo 5.0V;Io 1.0A;Reg.Line .05% max,Load .10% max;T.C. .020%/°C.
29	SP5915	50	27		MP271	Vi 105-125V;Freq 50-440Hz;Vo ±15V;Io ±25mA;Line and Load Reg .20% max;T.C. .02%/°C.
30	SP5915K	50	27		MP271	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±50mA;Line and Load Reg .20% max;T.C. .02%/°C.
31	SP5920	50	27		MP271a	Vi 105-125V;Freq 50-440Hz;Vo ±15V;Io ±200mA;Reg.Line .05% max,Load .10%max;T.C. .020%/°C.
32	SP5920K	50	27		MP271a	Vi 220V;Freq 50-440Hz;Vo ±15V;Io ±200mA;Reg.Line .05% max,Load .10%max;T.C. .020%/°C.
33	SQ1.5.250	50	27		MP362	Vi 105-125V;Freq.Range 50-440Hz;Vo 5.0V;Io 250mA;Line and Load Reg .20%♦.
34	SQ1.5.250K	50	27		MP363	Vi 220V;Freq.Range 50-440Hz;Vo 5.0V;Io 250mA;Line and Load Reg .20%♦.
35	SQ2.12.30	50	27		MP363	Vi 105-125V;Freq.Range 50-440Hz;Vo ±12V;Io ±30mA;Line and Load Reg .10%♦.
36	SQ2.12.30K	50	27		MP363	Vi 220V;Freq.Range 50-440Hz;Vo ±12V;Io ±30mA;Line and Load Reg .10%♦.
37	SQ2.12.50	50	27		MP363	Vi 105-125V;Freq.Range 50-440Hz;Vo ±12V;Io ±50mA;Line and Load Reg .10%♦.
38	SQ2.12.50K	50	27		MP363	Vi 220V;Freq.Range 50-440Hz;Vo ±12V;Io ±50mA;Line and Load Reg .10%♦.
39	SQ2.15.30	50	27		MP363	Vi 105-125V;Freq.Range 50-440Hz;Vo ±15V;Io ±30mA;Line and Load Reg .10%♦.
40	SQ2.15.30K	50	27		MP363	Vi 220V;Freq.Range 50-440Hz;Vo ±15V;Io ±30mA;Line and Load Reg .10%♦.
41	SQ2.15.50	50	27		MP363	Vi 105-125V;Freq.Range 50-440Hz;Vo ±15V;Io ±50mA;Line and Load Reg .10%♦.
42	SQ2.15.50K	50	27		MP363	Vi 220V;Freq.Range 50-440Hz;Vo ±15V;Io ±50mA;Line and Load Reg .10%♦.
43	TPM12-100-5-500	50	27		MP650	Vi 115V AC,Freq 60Hz,Vo ±12V/5V DC,Io ±100m/500mA,Line Reg .02%/.05%,Load Reg .05%/0.1%
44	TPM12-100-5-500E	50	27		MP650	Vi 220V AC,Freq 50-60Hz,Vo ±12V/5V DC,Io ±100m/500mA,Line Reg .02%/.05%,Load Reg.05%/0.1%
45	TPM12-100-5-500J	50	27		MP650	Vi 100VAC,Freq Range 50-60Hz,Vo ±12V/5VDC,Io±100m/500mA,Line Reg.02%/.05%,LoadReg.05%/0.1%
46	TPM15-100-5-500	50	27		MP650	Vi 115VAC,Freq 60Hz,Vo ±15V/5VDC,Io ±100m/500mA,Line Reg.02%/.05%,Load Reg.05%/0.1%
47	TPM15-100-5-500E	50	27		MP650	Vi 220VAC,Freq Range 50-60Hz,Vo ±15V/5VDC,Io±100m/500mA,Line Reg.02%/.05%,LoadReg.05%/0.1%
48	TPM15-100-5-500J	50	27		MP650	Vi 100VAC,Freq Range 50-60Hz,Vo ±15V/5VDC,Io±100m/500mA,Line Reg.02%/.05%,LoadReg.05%/0.1%
49▼	UCM5-250	50	27		MP651	Vi 115VAC at 60-440Hz;Vo 5.0VDC;Acc ±1%;Io 200mA;Load Reg .1%;Rpl 1.0mVrms;TC .02%/°C
50▼	UCM5-250E	50	27		MP651	Vi 220VAC at 48-440Hz;Vo 5.0VDC;Acc ±1%;Io 200mA;Load Reg .1%;Rpl 1.0mVrms;TC .02%/°C
51▼	UCM5-250J	50	27		MP651	Vi 100VAC at 48-440Hz;Vo 5.0VDC;Acc ±1%;Io 200mA;Load Reg .1%;Rpl 1.0mVrms;TC .02%/°C
52▼	UCM5-500	50	27		MP651	Vi 115VAC at 60-440Hz;Vo 5.0VDC;Acc ±1%;Io 500mA;Load Reg .1%;Rpl 1.0mVrms;TC .02%/°C
53▼	UCM5-500E	50	27		MP651	Vi 220VAC at 48-440Hz;Vo 5.0VDC;Acc ±1%;Io 500mA;Load Reg .1%;Rpl 1.0mVrms;TC .02%/°C
54▼	UCM5-500J	50	27		MP651	Vi 100VAC at 48-440Hz;Vo 5.0VDC;Acc ±1%;Io 500mA;Load Reg .1%;Rpl 1.0mVrms;TC .02%/°C
55	UCM5-1000	50	27		MP651a	Vi 115VAC,Freq 60Hz,Vo5VDC,Io1.0A,Line Reg .05%,Load Reg 0.1%,TC .02%/°C
56▼	UCM5-1000B	50	27		MP651a	Vi 115VAC at 60-440Hz;Vo 5.0VDC;Acc ±2%;Io 1.0A;Load Reg .25%;Rpl 1.0mVrms;TC .02%/°C
57▼	UCM5-1000BE	50	27		MP651a	Vi 220VAC at 48-440Hz;Vo 5.0VDC;Acc ±2%;Io 1.0A;Load Reg .25%;Rpl 1.0mVrms;TC .02%/°C
58▼	UCM5-1000BJ	50	27		MP651a	Vi 100VAC at 48-440Hz;Vo 5.0VDC;Acc ±2%;Io 1.0A;Load Reg .25%;Rpl 1.0mVrms;TC .02%/°C
59	UCM5-1000E	50	27		MP651a	Vi 220VAC,Freq Range 50-60Hz,Vo 5VDC,Io1.0A,Line Reg .05%,Load Reg 0.1%,TC .02%/°C
60	UCM5-1000J	50	27		MP651a	Vi 100VAC,Freq Range 50-60Hz,Vo 5VDC,Io1.0A,Line Reg .05%,Load Reg 0.1%,TC .02%/°C
61	UCM5-2000	50	27		MP651b	Vi 115VAC,Freq 60Hz,Vo 5VDC,Io 2.0A;Line Reg .05%,Load Reg .10%;TC .02%/°C
62	UCM5-2000E	50	27		MP651b	Vi 220VAC,Freq Range 50-60Hz,Vo 5VDC,Io 2.0A,Line Reg .05%,Load Reg 0.1%,TC .02%/°C
63	UCM5-2000J	50	27		MP651b	Vi 100VAC,Freq Range 50-60Hz,Vo 5VDC;Io 2.0A;Line Reg .05%,Load Reg .10%;TC .02%/°C
64▼	UCM5-4000	50	27		MP651b	Vi 115VAC at 60-440Hz;Vo 5.0VDC;Acc ±1%;Io 4.0A;Load Reg .1%;Rpl 2.0mVrms;TC .02%/°C
65▼	UCM5-4000E	50	27		MP651b	Vi 220VAC at 48-440Hz;Vo 5.0VDC;Acc ±1%;Io 4.0A;Load Reg .1%;Rpl 2.0mVrms;TC .02%/°C
66▼	UCM5-4000J	50	27		MP651b	Vi 100VAC at 48-440Hz;Vo 5.0VDC;Acc ±1%;Io 4.0A;Load Reg .1%;Rpl 2.0mVrms;TC .02%/°C
67	UPM5-200D12	50	27		MP278a	Vi 12VDC;Vo 5VDC;Io 200mA;TC .02%/°C;Line and Load Reg .02%.
68	UPM5-200D28	50	27		MP278a	Vi 28VDC;Vo 5VDC;Io 200mA;TC .02%/°C;Line and Load Reg .02%.
69	UPM5-250	50	27		MP365c	Vo±5V;Io±250mA;Max Reg.05%Line,.10%Load;Ripple 1mVrms;TC.02%/°C;Vi 115VAC±10%,60-440Hz
70	UPM5-250E	50	27		MP365d	Vo±5V;Io±250mA;Max Reg.05%Line,.10%Load;Ripple 1mVrms;TC.02%/°C;Vi 220VAC±10%,48-440Hz
71	UPM5-250J	50	27		MP365c	Vo±5V;Io±250mA;Max Reg.05%Line,.10%Load;Ripple 1mVrms;TC.02%/°C;Vi 100VAC±10%,48-440Hz
72	UPM5-500	50	27		MP365c	Vo±5V;Io±500mA;Max Reg.05%Line,.10%Load;Ripple 1mVrms;TC.02%/°C;Vi 115VAC±10%,60-440Hz
73	UPM5-500E	50	27		MP365d	Vo±5V;Io±500mA;Max Reg.05%Line,.10%Load;Ripple 1mVrms;TC.02%/°C;Vi 220VAC±10%,48-440Hz
74	UPM5-500J	50	27		MP365c	Vo±5V;Io±500mA;Max Reg.05%Line,.10%Load;Ripple 1mVrms;TC.02%/°C;Vi 100VAC±10%,48-440Hz
75	UPM5-1000	50	27		MP365d	Vo 5V;Io 1.0A;Max Reg .05%Line,.10%Load;Ripple 1mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
76	UPM5-1000B	50	27		MP365d	Vo 5V;Io 1.0A;Max Reg .25%Line,.25%Load;Ripple 1mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
77	UPM5-1000BE	50	27		MP365d	Vo 5V;Io 1.0A;Max Reg .25%Line,.25%Load;Ripple 1mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
78	UPM5-1000BJ	50	27		MP365d	Vo 5V;Io 1.0A;Max Reg .25%Line,.25%Load;Ripple 1mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
79	UPM5-1000E	50	27		MP365d	Vo 5V;Io 1.0A;Max Reg .05%Line,.10%Load;Ripple 1mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
80	UPM5-1000J	50	27		MP365d	Vo 5V;Io 1.0A;Max Reg .05%Line,.10%Load;Ripple 1mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
81	UPM5-2000	50	27		MP365e	Vo 5V;Io 2.0A;Max Reg .05%Line,.10%Load;Ripple 1mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
82	UPM5-2000E	50	27		MP365e	Vo 5V;Io 2.0A;Max Reg.05%Line,.10%Load;Ripple 1mVrms;TC.02%/°C;Vi 220VAC±10%,48-440Hz
83	UPM5-2000J	50	27		MP365e	Vo 5V;Io 2.0A;Max Reg .05%Line,.10%Load;Ripple 1mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
84	UPM5-4000	50	27		MP365e	Vo 5V;Io 4.0A;Max Reg .05%Line,.10%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
85	UPM5-4000E	50	27		MP365e	Vo 5V;Io 4.0A;Max Reg.05%Line,.10%Load;Ripple 2mVrms;TC.02%/°C;Vi 220VAC±10%,48-440Hz
86	UPM5-4000J	50	27		MP365e	Vo 5V;Io 4.0A;Max Reg .05%Line,.10%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
87	UPM6-150A	50	27		MP365c	Vo 6V;Io 150mA;Max Reg .05%Line,.10%Load;Ripple 1mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
88	UPM6-150AE	50	27		MP365d	Vo 6V;Io 150mA;Max Reg .05%Line,.10%Load;Ripple 1mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
89	UPM6-150AJ	50	27		MP365c	Vo 6V;Io 150mA;Max Reg .05%Line,.10%Load;Ripple 1mVrms;TC .02%/°;Vi 100VAC±10%,48-440Hz
90	UPM9-100A	50	27		MP365c	Vo 9V;Io 100mA;Max Reg .05%Line,.10%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
91	UPM9-100AE	50	27		MP365d	Vo 9V;Io 100mA;Max Reg .05%Line,.10%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
92	UPM9-100AJ	50	27		MP365c	Vo 9V;Io 100mA;Max Reg .05%Line,.10%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
93	UPM12-80D28	50	27		MP278a	Vi 28VDC;Vo 12VDC;Io 80mA;TC .02%/°C;Line and Load Reg .02%.
94	UPM12-80D5	50	27		MP278a	Vi 5VDC;Vo 12VDC;Io 80mA;TC .02%/°C;Line and Load Reg .02%.
95	UPM12-100A	50	27		MP365c	Vo 12V;Io 100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
96	UPM12-100AE	50	27		MP365d	Vo 12V;Io 100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
97	UPM12-100AJ	50	27		MP365c	Vo 12V;Io 100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 100VAC±10%,48-440Hz
98	UPM15-100A	50	27		MP365c	Vo 15V;Io 100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 115VAC±10%,60-440Hz
99	UPM15-100AE	50	27		MP365d	Vo 15V;Io 100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 220VAC±10%,48-440Hz
100	UPM15-100AJ	50	27		MP365c	Vo 15V;Io 100mA;Max Reg .02%Line,.05%Load;Ripple 2mVrms;TC .02%/°C;Vi 110VAC±10%,48-440Hz
101	UPM24-40D12	50	27		MP278a	Vi 12VDC;Vo 24VDC;Io 40mA;TC .02%/°C;Line and Load Reg .02%.
102	UPM24-40D5	50	27		MP278a	Vi 5VDC;Vo 24VDC;Io 40mA;TC .02%/°C;Line and Load Reg .02%.
103▼	USM5-10	50	07			Vi 115VAC at 47-450Hz;Vo 5VDC;Io 10A;Load and Line Reg .1%;Rpl 25mVp-p;TC .01%/°C
104▼	USM5-10E	50	07			Vi 220VAC at 47-450Hz;Vo 5VDC;Io 10A;Load and Line Reg .1%;Rpl 25mVp-p;TC .01%/°C
105▼	USM5-20	50	07			Vi 115VAC at 47-450Hz;Vo 5VDC;Io 20A;Load and Line Reg .1%;Rpl 50mVp-p;TC .01%/°C
106▼	USM5-20E	50	07			Vi 220VAC at 47-450Hz;Vo 5VDC;Io 20A;Load and Line Reg .1%;Rpl 50mVp-p;TC .01%/°C
107	Z5AT500SL	50	27		MP305	Vi 115VAC†;Vo 5V;Io 500mA;Load Reg. 1%†;Line Reg. 0.2%†;Rpl 2mVrms†.
108	Z5BT250SP	50	27		MP305	Vi 230VAC†;Vo 5V;Io 250mA;Load Reg. 0.05%Δ;Line Reg. 0.02%Δ;Rpl 1mVrms†.
109	Z5BT500SP	50	27		MP305	Vi 230VAC†;Vo 5V;Io 500mA;Load Reg. 0.1%Δ;Line Reg. 0.02%Δ;Rpl 1mVrms†.
110	Z15AT25DP	50	27		MP305	Vi 115VAC†;Vo ±15V;Io 25mA;Reg.Load .02%Δ,Line .02%Δ;Rpl 2mVrms†.

LINE No.	[2] TYPE No.	[1] USE	TEMP -+	CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	Z15AT65DL	50	27			MP305	Vi 115VAC†;Vo ±15V;Io 65mA;Reg.Load 0.2%Δ,Line 0.2%Δ;Rpl 2mVrms†.
2	Z15AT65DP	50	27			MP305	Vi 115VAC†;Vo ±15V;Io 65mA;Reg load 0.02%Δ,Line 0.02%Δ;Rpl 1mV rms†.
3	Z15AT100DP	50	27			MP305	Vi 115VAC†;Vo ±15V;Io 100mA;Reg.Load .02%Δ,Line .02%Δ;Rpl 1mVrms†.
4	Z15BT25DP	50	27			MP305	Vi 230VAC†;Vo ±15V;Io 25mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 2mVrms†.
5	Z15BT65DP	50	27			MP305	Vi 230VAC†;Vo ±15V;Io 65mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 1mVrms†.
6	Z15BT100DP	50	27			MP305	Vi 230VAC†;Vo ±15V;Io 100mA;Load Reg. 0.02%Δ;Line Reg. 0.02%Δ;Rpl 1mVrms†.
7	1D24-250	52	58			MP90	Vi-12V;Vo⊘±4.0 to ±50V;ΔVo-10%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
8	1D44-450	52	58			MP90	Vi-24V;Vo⊘±4.0 to ±50V;ΔVo-10%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
9	1D84-850	52	58			MP90	Vi-28V;Vo⊘±4.0 to ±50V;ΔVo-10%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
10	1S24-2100	52	58			MP90	Vi 12V;Vo⊘ 4.0 to 100V;ΔVo 20%Vo;Vo x Io 1.0W;Reg 2.5% load, 1.0% line;Rpl .30%.
11	1S44-4100	52	58			MP90	Vi-24V;Vo⊘-4.0 to 100V;ΔVo-20%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
12	1S84-8100	52	58			MP90	Vi-28V;Vo⊘-4.0 to 100V;ΔVo-20%Vo;Vo x Io-1.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
13▼	3A5R5	52	27		Z991a	MP734	Vi 4.5 to 5.5VDC;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
14▼	3A5R12-12	52	27		Z991a	MP734	Vi 4.5 to 5.5VDC;Vo ±12VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
15▼	3A5R15-15	52	27		Z991a	MP734	Vi 4.5 to 5.5VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
16▼	3A12R5	52	27		Z991a	MP734	Vi 10.8 to 13.2VDC;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
17▼	3A12R12-12	52	27		Z991a	MP734	Vi 10.8 to 13.2VDC;Vo ±12VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
18▼	3A12R15-15	52	27		Z991a	MP734	Vi 10.8 to 13.2VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
19▼	3A24R5	52	27		Z991a	MP734	Vi 21.6 to 26.4VDC;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
20▼	3A24R12-12	52	27		Z991a	MP734	Vi 21.6 to 26.4VDC;Vo ±12VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
21▼	3A24R15-15	52	27		Z991a	MP734	Vi 21.6 to 26.4VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
22▼	3D5R5	52	27		Z991a	MP735	Vi 4.5 to 5.5VDC;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
23▼	3D5R12-12	52	27		Z991a	MP735	Vi 4.5 to 5.5VDC;Vo ±12VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
24▼	3D5R15-15	52	27		Z991a	MP735	Vi 4.5 to 5.5VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
25▼	3D12R5	52	27		Z991a	MP735	Vi 10.8 to 13.2VDC;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
26▼	3D12R12-12	52	27		Z991a	MP735	Vi 10.8 to 13.2VDC;Vo ±12VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
27▼	3D12R15-15	52	27		Z991a	MP735	Vi 10.8 to 13.2VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
28	3D24-2150	52	58			MP91b	Vi-24V;Vo⊘±4.0 to ±150V;ΔVo-10%Vo;Vo x Io-3.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
29▼	3D24R5	52	27		Z991a	MP735	Vi 21.6 to 26.4VDC;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
30▼	3D24R12-12	52	27		Z991a	MP735	Vi 21.6 to 26.4VDC;Vo ±12VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
31▼	3D24R15-15	52	27		Z991a	MP735	Vi 21.6 to 26.4VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
32	3D44-4150	52	58			MP91b	Vi-28V;Vo⊘±4.0 to ±150V;ΔVo-10%Vo;Vo x Io-3.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
33	3M5U12-5	52	26			MP274a	Vi ±5.0V;Vo 12V at 300mA,5.0V at 100mA;Eff 70%†;I/O Isol 300VDC*;In Rpl 50mVrmsΔ
34▼	3S5R15-15	52	27		Z991b	MP734	Vi 4.75 to 5.25VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.01%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
35▼	3S12R15-15	52	27		Z991b	MP734	Vi 10 to 14VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.01%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
36	3S24-21600	52	58			MP91	Vi-24V;Vo⊘-4.0 to 1600V;ΔVo-20%Vo;Vo x Io-3.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
37▼	3S24R15-15	52	27		Z991b	MP734	Vi 20 to 28VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.01%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
38▼	3S28R15-15	52	27		Z991b	MP734	Vi 24 to 32VDC;Vo ±15VDC;Io ±150mA;Line Reg 0.01%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
39	3S44-41600	52	58			MP91	Vi-28V;Vo⊘-4.0 to 1600V;ΔVo-20%Vo;Vo x Io-3.0W;Reg.-2.5% load,1.0% line;Rpl-.30%.
40♦	3W5R5	52	27		Z991	MP733	Pwr 3.0W;Vi 4.5 to 5.5V;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01% max;TC .02%/°C
41♦	3W5R12-12	52	27		Z991	MP733	Pwr 3.0W; Vi 4.5-5.5V; Vo ±12V; Io ±125mA; Line And Load Reg .02% max; TC .02%/°C
42♦	3W5R12-5	52	27		Z991	MP733	Pwr 3.0W; Vi 4.5-5.5V; Vo 12,-5V; Io 200,-100mA; Line And Load Reg .02% max; TC .02%/°C
43♦	3W5R15-15	52	27		Z991	MP733	Pwr 3.0W; Vi 4.5-5.5V; Vo ±15V; Io ±100mA; Line And Load Reg .02% max; TC .02%/°C
44♦	3W12R5	52	27		Z991	MP733	Pwr 3.0W;Vi 10.8 to 15V;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01% max;TC .02%/°C
45♦	3W12R12-12	52	27		Z991	MP733	Pwr 3.0W; Vi 10.8-15V; Vo ±12V; Io ±125mA; Line And Load Reg .02% max; TC .02%/°C
46♦	3W12R15-15	52	27		Z991	MP733	Pwr 3.0W; Vi 10.8-15V; Vo ±15V; Io ±100mA; Line And Load Reg .02% max; TC .02%/°C
47▼	3W24R5	52	27		Z991	MP733	Pwr 3.0W;Vi 21.6 to 30V;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01% max;TC .02%/°C
48♦	3W24R12-12	52	27		Z991	MP733	Pwr 3.0W; Vi 21.6-30V; Vo ±12V; Io ±125mA; Line And Load Reg .02% max; TC .02%/°C
49♦	3W24R15-15	52	27		Z991	MP733	Pwr 3.0W; Vi 21.6-30V; Vo ±15V; Io ±100mA; Line And Load Reg .02% max; TC .02%/°C
50▼	3W28R5	52	27		Z991	MP733	Pwr 3.0W;Vi 25.2 to 32V;Vo 5.0V;Io 600mA;Line Reg 0.02%,Load 0.01% max;TC .02%/°C
51♦	3W28R12-12	52	27		Z991	MP733	Pwr 3.0W; Vi 25.2-32V; Vo ±12V; Io ±125mA; Line And Load Reg .02% max; TC .02%/°C
52♦	3W28R15-15	52	27		Z991	MP733	Pwr 3.0W; Vi 25.2-32V; Vo ±15V; Io ±100mA; Line And Load Reg .02% max; TC .02%/°C
53▼	5A5R5	52	27		Z991a	MP734a	Vi 4.5 to 5.5VDC;Vo 5.0VDC;Io 1.0A;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
54▼	5A5R12-12	52	27		Z991a	MP734a	Vi 4.5 to 5.5VDC;Vo ±12VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
55▼	5A5R15-15	52	27		Z991a	MP734a	Vi 4.5 to 5.5VDC;Vo ±15VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
56▼	5A12R5	52	27		Z991a	MP734a	Vi 10.8 to 13.2VDC;Vo 5.0VDC;Io 1.0A;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
57▼	5A12R12-12	52	27		Z991a	MP734a	Vi 10.8 to 13.2VDC;Vo ±12VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
58▼	5A12R15-15	52	27		Z991a	MP734a	Vi 10.8 to 13.2VDC;Vo ±15VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
59▼	5A24R5	52	27		Z991a	MP734a	Vi 21.6 to 26.4VDC;Vo 5.0VDC;Io 1.0A;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
60▼	5A24R12-12	52	27		Z991a	MP734a	Vi 21.6 to 26.4VDC;Vo ±12VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
61▼	5A24R15-15	52	27		Z991a	MP734a	Vi 21.6 to 26.4VDC;Vo ±15VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
62▼	5D5R5	52	27		Z991a	MP735a	Vi 4.5 to 5.5VDC;Vo 5.0VDC;Io 1.0A;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
63▼	5D5R12-12	52	27		Z991a	MP735a	Vi 4.5 to 5.5VDC;Vo ±12VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
64▼	5D5R15-15	52	27		Z991a	MP735a	Vi 4.5 to 5.5VDC;Vo ±15VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
65▼	5D12R5	52	27		Z991a	MP735a	Vi 10.8 to 13.2VDC;Vo 5.0VDC;Io 1.0A;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
66▼	5D12R12-12	52	27		Z991a	MP735a	Vi 10.8 to 13.2VDC;Vo ±12VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
67▼	5D12R15-15	52	27		Z991a	MP735a	Vi 10.8 to 13.2VDC;Vo ±15VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
68▼	5D24R5	52	27		Z991a	MP735a	Vi 21.6 to 26.4VDC;Vo 5.0VDC;Io 1.0A;Line Reg 0.02%,Load 0.01%;Isol 500VDC;TC 0.01%/°C
69▼	5D24R12-12	52	27		Z991a	MP735a	Vi 21.6 to 26.4VDC;Vo ±12VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
70▼	5D24R15-15	52	27		Z991a	MP735a	Vi 21.6 to 26.4VDC;Vo ±15VDC;Io ±250mA;Line Reg 0.02%,Load 0.02%;Isol 500VDC;TC 0.01%/°C
71♦	5W5R5	52	27		Z991	MP733a	Pwr 5.0W;Vi 4.5 to 5.5V;Vo 5.0V;Io 1.0A;Line Reg 0.02%,Load 0.01% max;TC .02%
72♦	5W5R12-12	52	27		Z991	MP733a	Pwr 5.0W; Vi 4.5-5.5V; Vo ±12V; Io ±210mA; Line And Load Reg .02% max;TC .02%/°C
73♦	5W5R15-15	52	27		Z991	MP733a	Pwr 5.0W; Vi 4.5-5.5V; Vo ±15V; Io ±160mA; Line And Load Reg .02% max;TC .02%/°C
74♦	5W12R5	52	27		Z991	MP733a	Pwr 5.0W;Vi 10.8 to 15V;Vo 5.0V;Io 1.0A;Line Reg 0.02%,Load 0.01% max;TC .02%
75♦	5W12R12-12	52	27		Z991	MP733a	Pwr 5.0W; Vi 10.8-15V; Vo ±12V; Io ±210mA; Line And Load Reg .02% max;TC .02%/°C
76♦	5W12R15-15	52	27		Z991	MP733a	Pwr 5.0W; Vi 10.8-15V; Vo ±15V; Io ±160mA; Line And Load Reg .02% max;TC .02%/°C
77▼	5W24R5	52	27		Z991	MP733a	Pwr 5.0W;Vi 21.6 to 30V;Vo 5.0V;Io 1.0A;Line Reg 0.02%,Load 0.01% max;TC .02%
78♦	5W24R12-12	52	27		Z991	MP733a	Pwr 5.0W; Vi 21.6-30V; Vo ±12V; Io ±210mA; Line And Load Reg .02% max;TC .02%/°C
79♦	5W24R15-15	52	27		Z991	MP733a	Pwr 5.0W; Vi 21.6-30V; Vo ±15V; Io ±160mA; Line And Load Reg .02% max;TC .02%/°C
80▼	5W28R5	52	27		Z991	MP733a	Pwr 5.0W;Vi 25.2 to 32V;Vo 5.0V;Io 1.0A;Line Reg 0.02%,Load 0.01% max;TC .02%
81♦	5W28R12-12	52	27		Z991	MP733a	Pwr 5.0W; Vi 25.2-32V; Vo ±12V; Io ±210mA; Line And Load Reg .02% max;TC .02%/°C
82♦	5W28R15-15	52	27		Z991	MP733a	Pwr 5.0W; Vi 25.2-32V; Vo ±15V; Io ±160mA; Line And Load Reg .02% max;TC .02%/°C
83▼	10W5R12-12	52	27			MP736	Pwr 10W;Vi 4.5 to 5.5V;Vo ±12V;Io ±425mA;Line and Load Reg .02% max;TC .02%/°C
84▼	10W5R15-15	52	27			MP736	Pwr 10W;Vi 4.5 to 5.5V;Vo ±15V;Io ±330mA;Line and Load Reg .02% max;TC .02%/°C
85▼	10W12R5	52	27			MP736	Pwr 10W;Vi 10.8 to 13.2V;Vo 5.0V;Io 2.0A;Line and Load Reg .02% max;TC .02%/°C
86▼	10W12R12-12	52	27			MP736	Pwr 10W;Vi 10.8 to 15V;Vo ±12V;Io ±425mA;Line and Load Reg .02% max;TC .02%/°C
87▼	10W12R15-15	52	27			MP736	Pwr 10W;Vi 10.8 to 15V;Vo ±15V;Io ±330mA;Line and Load Reg .02% max;TC .02%/°C
88▼	10W24R12-12	52	27			MP736	Pwr 10W;Vi 21.6 to 30V;Vo ±12V;Io ±425mA;Line and Load Reg .02% max;TC .02%/°C
89▼	10W24R15-15	52	27			MP736	Pwr 10W;Vi 21.6 to 30V;Vo ±15V;Io ±330mA;Line and Load Reg .02% max;TC .02%/°C
90	15D810-815	52	5A			MP140	Vi 21V;Vo⊘ 10 to ± 15V;dual output;VoxIo 15W;Reg. ± 2.5% load;±.50% line;Rpl .10%.
91	15S85-815	52	5A			MP140	Vi 21V;Vo⊘ 5.0 to 15V;VoxIo 15W;Reg. ± 2.5% load;±.50% line;Rpl .10%.
92	15T85-815	52	5A			MP140	Vi 21V;Vo⊘ 5.0 to 15V;triple output;VoxIo 15W;Reg. ± 2.5% load;±.50% line;Rpl.10%.
93▼	105-1	52	27			MP741	Po 6.0W;Vi 12 to 28V♦;Vo 5.0V at Io 1.0A;Line Reg .2%,Load .2%
94▼	109-1	52	27			MP741	Po 6.0W;Vi 5.0 to 28V♦;Vo 9.0V at Io 666mA;Line Reg .2%,Load .2%
95▼	110-1	52	27			MP741	Po 6.0W;Vi 5.0 to 28V♦;Vo 10V at Io 600mA;Line Reg .2%,Load .2%
96▼	112-1	52	27			MP741	Po 6.0W;Vi 5.0 to 28V♦;Vo 12V at Io 500mA;Line Reg .2%,Load .2%
97▼	112-2	52	27			MP741	Po 6.0W;Vi 5.0 to 28V♦;Dual Vo ±12V at Io ±250mA;Line Reg .2%,Load .2%
98▼	115-1	52	27			MP741	Po 6.0W;Vi 5.0 to 28V♦;Vo 15V at Io 400mA;Line Reg .2%,Load .2%
99▼	115-2	52	27			MP741	Po 6.0W;Vi 5.0 to 28V♦;Dual Vo ±15V at Io ±200mA;Line Reg .2%,Load .2%
100▼	117-2	52	27			MP741	Po 6.0W;Vi 5.0 to 28V♦;Dual Vo 12V at Io 350mA and -5.0V at Io 350mA
101▼	118-2	52	27			MP741	Po 6.0W;Vi 5.0 to 28V♦;Dual Vo 5.0V at Io 350mA and -12V at Io 350mA
102▼	510A/25	52	28			MP709	Vi 22-34V;Vo ±15V;Io ±100mA;No 100mVp-p;Rp1 2.0mVrms;Reg ±1.0%;TC ±.01%/°C.
103▼	528	52	28			MP⊘	Vi 22-34V;Vo ±15V;Io ±200mA;No 20mVp-p;Load and Line Reg .1%
104♦	546	52	27			MP666c	Vi 4.5-5.5V;Vo ±15V;Io ±120mA;No 20mVp-p;Rp1 0.8mVrms;Reg ±0.1%;TC ±.02%/°C.
105♦	700	52	28			MP710	10V to 18VDC to Dual Output of 10V to 18VDC;Isolation 4200Vp;Io 120mAΔ
106♦	700M	52	28			MP710a	10V to 18VDC to Dual Output of 10V to 18VDC;Isolation 4200Vp;Io 120mAΔ;Medical Grade
107▼	700U	52	28			MP710	10V to 18VDC to Dual Output of 10V to 18VDC;Isolation 5000Vp;Io 120mAΔ
108▼	700UM	52	28			MP710a	10V to 18VDC to Dual Output of 10V to 18VDC;Isolation 5000Vp;Io 120mAΔ;Medical grade
109▼	710Δ	52	28			MP711	10 to 18V to Four Dual Outputs of 10 to 18VDC;Isolation 2200Vrms;Io 120mAΔ
110	940	52	27		Z766	MP639	Vo±15V;Io±150mA;Reg±.05%;Effective Noise 1mVrms Max;Vi 4.65-5.5V;I/O Isolation 500VDC

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE △=MO	GENERAL DESCRIPTION
1	941	52	27	Z766	MP639	Vo±12V;Io±150mA;Reg±.05%;Effective Noise 1mVrms Max;Vi 4.65-5.5V;I/O Isolation 500VDC
2	942	52	27	Z762	MP639	Vo±5.0V;Io±600mA;Reg±.05%;Effective Noise 1mVrms Max;Vi 4.65-5.5V;I/O Isolation 500VDC
3	943	52	27	Z762	MP639	Vo±5.0V;Io±1.0A;Reg±.05%;Effective Noise 1mVrms Max;Vi 4.65-5.5V;I/O Isolation 500VDC
4	944	52	27	Z766	MP639a	Vo±15V;Io±60mA;Reg±.05%;Effective Noise 1mVrms Max;Vi 4.65-5.5V;I/O Isolation 8000VDC
5	945	52	27	Z766	MP639	Vo±15V;Io±150mA;Reg±.05%;Effective Noise 1mVrms Max;Vi 23-31V;I/O Isolation 500VDC
6	946	52	27	Z766	MP639a	Vo±15V;Io±60mA;Reg±.05%;Effective Noise 1mVrms Max;Vi 23-31V;I/O Isolation 8000VDC
7	1005	52	29		MP473	Pwr 10W;Vi 5.0-48V♦;Vo 5.0V;Io 2.0A;Reg Line .10%△,Load .3%△,Ripple 1.0%△;Zo .02Ω.
8	1006	52	29		MP473	Pwr 10W;Vi 5.0-48V♦;Vo 6.0V;Io 1.6A;Reg Line .10%△,Load .3%△,Ripple 1.0%△;Zo .02Ω.
9	1007	52	29		MP473	Pwr 10W;Vi 5.0-48V♦;Vo 7.0V;Io 1.4A;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
10	1008	52	29		MP473	Pwr 10W;Vi 5.0-48V♦;Vo 8.0V;Io 1.25A;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
11	1009	52	29		MP473	Pwr 10W;Vi 5.0-48V♦;Vo 9.0V;Io 1.11A;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
12	1010-1	52	29		MP473a	Pwr 10W;Vi 5.0-48V♦;Vo1 10V;Io 500mA;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
13	1010-2	52	29		MP473a	Pwr 10W;Vi 5.0-48V♦;Vo2 10V;Io 500mA;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
14	1012-1	52	29		MP473b	Pwr 10W;Vi 5.0-48V♦;Vo1 5.0V;Io 1.0A;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
15	1012-2	52	29		MP473b	Pwr 10W;Vi 5.0-48V♦;Vo2 12V;Io 208mA;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
16	1012-3	52	29		MP473b	Pwr 10W;Vi 5.0-48V♦;Vo3 12V;Io 208mA;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
17	1015-1	52	29		MP473b	Pwr 10W;Vi 5.0-48V♦;Vo1 5.0V;Io 1.0A;Reg Line .10%△,Load .3%△;Rpl 1.0%△;Zo .02Ω.
18	1015-2	52	29		MP473b	Pwr 10W;Vi 5.0-48V♦;Vo2 15V;Io 166mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
19	1015-3	52	29		MP473b	Pwr 10W;Vi 5.0-48V♦;Vo3 15V;Io 166mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
20	1018-1	52	29		MP473a	Pwr 10W;Vi 5.0-48V♦;Vo1 18V;Io 277mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
21	1018-2	52	29		MP473a	Pwr 10W;Vi 5.0-48V♦;Vo2 18V;Io 277mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
22	1020-1	52	29		MP473a	Pwr 10W;Vi 5.0-48V♦;Vo1 20V;Io 250mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
23	1020-2	52	29		MP473a	Pwr 10W;Vi 5.0-48V♦;Vo2 20V;Io 250mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
24	1024-1	52	29		MP473a	Pwr 10W;Vi 5.0-48V♦;Vo1 24V;Io 208mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
25	1024-2	52	29		MP473a	Pwr 10W;Vi 5.0-48V♦;Vo2 24V;Io 208mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
26	1103	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo 3.6V;Io 278mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
27	1105	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo 5.0V;Io 200mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
28	1106	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo 6.0V;Io 167mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
29	1107	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo 7.0V;Io 143mA;Reg Line .1o%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
30	1108	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo 8.0V;Io 125mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
31	1109	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo 9.0V;Io 112mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
32	1110-1	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo1 10V;Io 50mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
33	1110-2	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo2 10V;Io 50mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
34	1112-1	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo1 12V;Io 42mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
35	1112-2	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo2 12V;Io 42mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
36	1115-1	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo1 15V;Io 34mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
37	1115-2	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo2 15V;Io 34mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
38	1118-1	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo1 18V;Io 28mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
39	1118-2	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo2 18V;Io 28mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
40	1120-1	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo1 20V;Io 25mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
41	1120-2	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo2 20V;Io 25mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
42	1124-1	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo1 24V;Io 21mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
43	1124-2	52	29		MP474	Pwr 1.0W;Vi 5.0-48V♦;Vo2 24V;Io 21mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
44♦	1200	52	27		MP652	Vi 5.0V;Vo 12,-9,-5VDC;Line and Load Reg .05%;Eff 48%FL;Transient Recovery Time 50uSec.
45▼	1205-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 5.0V at Io 5.0A;Line Reg 1.0%,Load .5%
46▼	1205-2	52	2A		MP637	Vi 12 to 48VDC♦;Dual Vo 5.0V at Io 2.5A;Line Reg 1.0%,Load .5%
47▼	1206-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 6.0V at Io 4.16A;Line Reg 1.0%,Load .5%
48▼	1207-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 7.0V at Io 3.57A;Line Reg 1.0%,Load .5%
49▼	1208-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 8.0V at Io 3.12A;Line Reg 1.0%,Load .5%
50▼	1209-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 9.0V at Io 2.77A;Line Reg 1.0%,Load .5%
51▼	1210-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 10V at Io 2.50A;Line Reg 1.0%,Load .5%
52▼	1210-2	52	2A		MP637	Vi 12 to 48VDC♦;Dual Vo 10V at Io 1.25A;Line Reg 1.0%,Load .5%
53▼	1212-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 12V at Io 2.08A;Line Reg 1.0%,Load .5%
54▼	1212-2	52	2A		MP637	Vi 12 to 48VDC♦;Dual Vo 12V at Io 1.04A;Line Reg 1.0%,Load .5%
55▼	1212-3	52	2A		MP637	Vi 12 to 48VDC♦;Triple Vo1 5.0V at Io 3.0A;Vo2,3 12V at Io 420mA;Line Reg 1.0%,Load .5%
56▼	1215-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 15V at Io 1.66A;Line Reg 1.0%,Load .5%
57▼	1215-2	52	2A		MP637	Vi 12 to 48VDC♦;Dual Vo 15V at Io 830mA;Line Reg 1.0%,Load .5%
58▼	1215-3	52	2A		MP637	Vi 12 to 48VDC♦;Triple Vo1 5.0V at Io 3.0A;Vo2,3 15V at Io 330mA;Line Reg 1.0%,Load .5%
59▼	1218-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 18V at Io 1.38A;Line Reg 1.0%,Load .5%
60▼	1218-2	52	2A		MP637	Vi 12 to 48VDC♦;Dual Vo 18V at Io 690mA;Line Reg 1.0%,Load .5%
61▼	1220-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 20V at Io 1.25A;Line Reg 1.0%,Load .5%
62▼	1220-2	52	2A		MP637	Vi 12 to 48VDC♦;Dual Vo 20V at Io 620mA;Line Reg 1.0%,Load .5%
63▼	1224-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 24V at Io 1.04A;Line Reg 1.0%,Load .5%
64▼	1224-2	52	2A		MP637	Vi 12 to 48VDC♦;Dual Vo 24V at Io 520mA;Line Reg 1.0%,Load .5%
65▼	1228-1	52	2A		MP637	Vi 12 to 48VDC♦;Vo 28V at Io 890mA;Line Reg 1.0%,Load .5%
66▼	1228-2	52	2A		MP637	Vi 12 to 48VDC♦;Dual Vo 28V at Io 450mA;Line Reg 1.0%,Load .5%
67	1303	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo 3.6V;Io 840mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
68	1305⧄	52	29		MP475	PWR3.0W;VI5.0-48V♦;VO5.0V;IO600mA;Reg Line.10%△,Load.30%△;Rpl 1.0%△;Zo.02Ω
69	1306⧄	52	29		MP475	PWR3.0W;VI5.0-48V♦;VO6.0V;IO500mA;Reg Line.10%△,Load.30%△;Rpl 1.0%△;Zo.02Ω
70	1307⧄	52	29		MP475	PWR3.0W;VI5.0-48V♦;VO7.0V;IO430mA;Reg Line.10%△,Load.30%△;Rpl 1.0%△;ZO.02Ω
71	1308	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo 8.0V;Io 375mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
72	1309	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo 9.0V;Io 334mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
73	1310-1	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo1 10V;Io 150mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
74	1310-2	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo2 10V;Io 150mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
75	1312-1	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo1 5.0V;Io 436mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
76	1312-2	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo2 12V;Io 34mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
77	1312-3	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo3 12V;Io 34mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
78	1315-1	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo1 5.0V;Io 400mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
79	1315-2	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo2 15V;Io 34mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
80	1315-3	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo3 15V;Io 34mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
81	1318-1	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo1 18V;Io 84mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
82	1318-2	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo2 18V;Io 84mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
83	1320-1	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo1 20V;Io 75mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
84	1320-2	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo2 20V;Io 75mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
85	1324-1	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo1 24V;Io 63mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
86	1324-2	52	29		MP475	Pwr 3.0W;Vi 5.0-48V♦;Vo2 24V;Io 63mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
87	1603	52	29		MP473	Pwr 6.0W;Vi 5.0-48V♦;Vo 3.6V;Io 1.66A;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
88	1605	52	29		MP473	Pwr 6.0W;Vi 5.0-48V♦;Vo 5.0V;Io 1.2A;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
89	1606	52	29		MP473	Pwr 6.0W;Vi 5.0-48V♦;Vo 6.0V;Io 1.0A;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
90	1607	52	29		MP473	Pwr 6.0W;Vi 5.0-48V♦;Vo 7.0V;Io 860mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
91	1608	52	29		MP473	Pwr 6.0W;Vi 5.0-48V♦;Vo 8.0V;Io 750mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
92	1609	52	29		MP473	Pwr 6.0W;Vi 5.0-48V♦;Vo 9.0V;Io 667mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
93	1610-1	52	29		MP473a	Pwr 6.0W;Vi 5.0-48V♦;Vo1 10V;Io 300mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
94	1610-2	52	29		MP473a	Pwr 6.0W;Vi 5.0-48V♦;Vo2 10V;Io 300mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
95	1612-1	52	29		MP473b	Pwr 6.0W;Vi 5.0-48V♦;Vo1 5.0V;Io 1.0A;Reg Line .10%△,Load .30%△,Rpl 1.0%△;Zo .02Ω.
96	1612-2	52	29		MP473b	Pwr 6.0W;Vi 5.0-48V♦;Vo2 12V;Io 42mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
97	1612-3	52	29		MP473b	Pwr 6.0W;Vi 5.0-48V♦;Vo3 12V;Io 42mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
98	1615-1	52	29		MP473b	Pwr 6.0W;Vi 5.0-48V♦;Vo1 5.0V;Io 1000mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
99	1615-2	52	29		MP473b	Pwr 6.0W;Vi 5.0-48V♦;Vo2 15V;Io 34mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
100	1615-3	52	29		MP473b	Pwr 6.0W;Vi 5.0-48V♦;Vo3 15V;Io 34mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
101	1618-1	52	29		MP473a	Pwr 6.0W;Vi 5.0-48V♦;Vo1 18V;Io 167mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
102	1618-2	52	29		MP473a	Pwr 6.0W;Vi 5.0-48V♦;Vo2 18V;Io 167mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
103	1620-1	52	29		MP473a	Pwr 6.0W;Vi 5.0-48V♦;Vo1 20V;Io 150mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
104	1620-2	52	29		MP473a	Pwr 6.0W;Vi 5.0-48V♦;Vo2 20V;Io 150mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
105	1624-1	52	29		MP473a	Pwr 6.0W;Vi 5.0-48V♦;Vo1 24V;Io 125mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
106	1624-2	52	29		MP473a	Pwr 6.0W;Vi 5.0-48V♦;Vo2 24V;Io 125mA;Reg Line .10%△,Load .30%△;Rpl 1.0%△;Zo .02Ω.
107	2301	52			MP689	Vi 5VDC at 200mA;Vo ±15VDC at ±100mA;Line Reg ±.07%△,Load ±.07%△;TC .005%/°C△.
108	2302	52			MP689	Vi 5VDC at 200mA;Vo ±15VDC at ±150mA;Line Reg ±.07%△,Load ±.07%△;TC .005%/°C△.
109	2331	52			MP690	Vi 5VDC at 500mA;Vo ±15VDC/5VDC at ±165mA/750mA;Line Reg ±.1%/±1%△,Load ±.1%/±1%△.
110	3025-28	52	59		MP476	Pwr 25W;Vi 28V;Vo 5.0-48V♦;Io 5A to .52A;Reg Line .3%△,Load .4%△,Rpl 1.0%;Eff 66-82%.

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP	CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	3025-48	52	59			MP476	Pwr 25W;Vi 48V;Vo 5.0-48V♦;Io 5A-.52A;Reg Line .3%Δ,Load .4%Δ;Rpl 1.0%;Eff 66-82%.
2	3050-28	52	58			MP476	Pwr 50W;Vi 28V;Vo 5.0-48V♦;Io 10A-1.04;Reg Line .30%Δ,Load .40%Δ;Rpl 1.0%;Eff 66-82%.
3	3050-48	52	58			MP476	Pwr50W;Vi48V;Vo5.0-48V♦;Io10A-1.04;Reg Line.30%Δ,Load.40%Δ;Rpl1.0%;Eff66-82%
4	3100-28	52	58			MP477	Pwr 100W;Vi 28V;Vo 5.0-48V♦;Io 20A-2.08A;Reg Line .30%Δ,Load .40%Δ;Rpl 1.0%;Eff 66-82%.
5	3100-48	52	58			MP477	Pwr100W;Vi48V;Vo5.0-48V♦;Io20A to 2.8A;Reg Line.3%Δ,Load.4%Δ;Rpl1.0%;Eff70-86%
6	3150-48	52	58			MP477	Pwr 150W;Vi 48V;Vo 5.0-48V♦;Io 30A-3.16A;Reg Line .30%Δ,Load .40%Δ;Rpl 1.0%;Eff 73-86%.
7▼	9525-28-1	52	5A			MP480a	Vi 28VDC;Po 25W;Vo 5.0 to 24V♦Ø at Io 5.0 to 1.04A;Line Reg .1%,Load .2% or 35mV
8▼	9525-28-2	52	5A			MP480a	Vi 28VDC;Po 25W;Dual Vo 5.0 to 24V♦Ø at Io 2.5 to .52A;Line Reg .1%,Load .2% or 35mV
9▼	9525-28-301	52	5A			MP480a	Vi 28VDC;Po 25W;Triple Vo1 5.0VØ at Io 2.0A;Vo2,3 ±15Vo at Io ±500mA;Line Reg .1%,Ld .2%
10▼	9525-28-302	52	5A			MP480a	Vi 28VDC;Po 25W;Triple Vo1 5.0VØ at Io 3.0A;Vo2,3 ±15Vo at Io ±330mA;Line Reg .1%,Ld .2%
11▼	9525-28-303	52	5A			MP480a	Vi 28VDC;Po 25W;Triple Vo1 5.0VØ at Io 4.0A;Vo2,3 ±15Vo at Io ±167mA;Line Reg .1%,Ld .2%
12▼	9525-28-304	52	5A			MP480a	Vi 28VDC;Po 25W;Triple Vo1 5.0VØ at Io 2.0A;Vo2,3 ±12Vo at Io ±625mA;Line Reg .1%,Ld .2%
13▼	9525-28-305	52	5A			MP480a	Vi 28VDC;Po 25W;Triple Vo1 5.0VØ at Io 3.0A;Vo2,3 ±12Vo at Io ±415mA;Line Reg .1%,Ld .2%
14▼	9525-28-306	52	5A			MP480a	Vi 28VDC;Po 25W;Triple Vo1 5.0VØ at Io 4.0A;Vo2,3 ±12Vo at Io ±208mA;Line Reg .1%,Ld .2%
15▼	9525-48-1	52	5A			MP480a	Vi 48VDC;Po 25W;Vo 5.0 to 24V♦Ø at Io 5.0 to 1.04A;Line Reg .1%,Load .2% or 35mV
16▼	9525-48-2	52	5A			MP480a	Vi 48VDC;Po 25W;Dual Vo 5.0 to 24V♦Ø at Io 2.5 to .52A;Line Reg .1%,Load .2% or 35mV
17▼	9525-48-301	52	5A			MP480a	Vi 48VDC;Po 25W;Triple Vo1 5.0VØ at Io 2.0A;Vo2,3 ±15VØ at Io ±500mA;Line Reg .1%,Load .2%
18▼	9525-48-302	52	5A			MP480a	Vi 48VDC;Po 25W;Triple Vo1 5.0VØ at Io 3.0A;Vo2,3 ±15VØ at Io ±330mA;Line Reg .1%,Load .2%
19▼	9525-48-303	52	5A			MP480a	Vi 48VDC;Po 25W;Triple Vo1 5.0VØ at Io 4.0A;Vo2,3 ±15VØ at Io ±167mA;Line Reg .1%,Load .2%
20▼	9525-48-304	52	5A			MP480a	Vi 48VDC;Po 25W;Triple Vo1 5.0VØ at Io 2.0A;Vo2,3 ±12VØ at Io ±625mA;Line Reg .1%,Load .2%
21▼	9525-48-305	52	5A			MP480a	Vi 48VDC;Po 25W;Triple Vo1 5.0VØ at Io 3.0A;Vo2,3 ±12VØ at Io ±415mA;Line Reg .1%,Load .2%
22▼	9525-48-306	52	5A			MP480a	Vi 48VDC;Po 25W;Triple Vo1 5.0VØ at Io 4.0A;Vo2,3 ±12VØ at Io ±208mA;Line Reg .1%,Load .2%
23▼	9567-101	52	5A			MP481a	Vi 28VDC;Po 3.0W;Vo 3.0V to 5.0kV♦Ø at Io 1.0 to .6A;Line Reg .16 to 20V,Load .145 to 140V
24♦	9567-121	52	5A			MP481a	Vi 28VDC;Po 3.0W;Dual Vo ±15V to ±100V♦Ø at Io ±100mA;Line Reg 60 to 400mV,Ld .35 to 1.5V
25▼	9583-101	52	5A			MP482	Vi 28VDC;Po 1.0W;Vo 3.0V to 3.0kV♦Ø at Io 330 to .33mA;Line Reg .025 to 12V,Ld .098 to 68V
26▼	9583-121	52	5A			MP482	Vi 28VDC;Po 1.0W;Dual Vo ±15VØ at Io ±33mA;Line Reg 60mV,Load 250mV
27▼	9584-102	52	5A			MP483	Vi 28VDC;Po 10W;Vo 5.0V to 5.0kV♦Ø at Io 2.0 to .002A;Line Reg .003 to 4.0V,Ld .20 to 120V
28♦	9584-121	52	5A			MP483	Vi 28VDC;Po 10W;Dual Vo ±15V to ±100V♦Ø at Io ±335 to ±50mA;Ln Reg 7.0 to 40mV,Ld .30-1.6V
29▼	9589-102	52	5A			MP484	Vi 28VDC;Po 6.0W;Vo 5.0V to 5.0kV♦Ø at Io 1200 to 1.2mA;Ln Reg .003 to 3.0V,Ld .15 to 125V
30▼	9589-121	52	5A			MP484	Vi 28VDC;Po 6.0W;Vo ±15V to ±100V♦Ø at Io ±200 to ±30mA;Ln Reg 5.0 to 25mV,Ld .25 to 1.7V
31	BPM12-25D12	52	27			MP278a	Vi 12VDC;Vo 12VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
32	BPM12-25D28	52	27			MP278a	Vi 28VDC;Vo ±12VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
33	BPM12-25D5	52	27			MP278a	Vi 5VDC;Vo 12VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
34	BPM12-100D12	52	27			MP436	Vi 12VDC;Vo ±12VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
35	BPM12-100D28	52	27			MP436	Vi 28VDC;Vo ±12VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
36	BPM12-100D5	52	27			MP436	Vi 5VDC;Vo ±12VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
37	BPM12-210D12	52	27			MP436b	Pwr 5.0W;Vi 12V;Vo ±12V;Io ±210mA;Line And Load Reg .02%;Eff 55%;TC .02%/°C
38	BPM12-210D28	52	27			MP436b	Pwr 5.0W;Vi 28V;Vo ±12V;Io ±210mA;Line And Load Reg .02%;Eff 60%;TC .02%/°C
39	BPM12-210D5	52	27			MP436b	Pwr 5.0W;Vi 5.0V;Vo ±12V;Io ±210mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
40	BPM12-420D12	52	27			MP649	Pwr 10W;Vi 12V;Vo ±12V;Io ±420mA;Line And Load Reg .02%;Eff 48%;TC .02%/°C
41	BPM12-420D28	52	27			MP649	Pwr 10W;Vi 28V;Vo ±12V;Io ±420mA;Line And Load Reg .02%;Eff 51%;TC .02%/°C
42	BPM12-420D5	52	27			MP649	Pwr 10W;Vi 5.0V;Vo ±12V;Io ±420mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
43	BPM15-25D12	52	27			MP278a	Vi 12VDC;Vo ±15VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
44	BPM15-25D28	52	27			MP278a	Vi 28VDC;Vo ±15VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
45	BPM15-25D5	52	27			MP278a	Vi 5VDC;Vo ±15VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
46	BPM15-100D12	52	27			MP436	Vi 12VDC;Vo ±15VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
47	BPM15-100D28	52	27			MP436	Vi 28VDC;Vo ±15VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
48	BPM15-100D5	52	27			MP436	Vi 5VDC;Vo ±15VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
49	BPM15-150D24	52	27			MP438	Vi 24VDC;Vo ±15VDC;Io ±150mA;TC .005%/°C;Line Reg .05%,Load Reg .05%
50	BPM15-150D28	52	27			MP438	Vi 28VDC;Vo ±15VDC;Io ±150mA;TC .005%/°C;Line Reg .05%;Load Reg .05%.
51	BPM15-150D5	52	27			MP438	Vi 5VDC;Vo ±15VDC;Io ±150mA;TC .005%/°C;Line Reg .05%;Load Reg 0.1%.
52	BPM15-165D12	52	27			MP436b	Pwr 5.0W;Vi 12V;Vo ±15V;Io ±165mA;Line And Load Reg .02%;Eff 55%;TC .02%/°C
53	BPM15-165D28	52	27			MP436b	Pwr 5.0W;Vi 28V;Vo ±15V;Io ±165mA;Line And Load Reg .02%;Eff 60%;TC -#*%/°C
54	BPM15-165D5	52	27			MP436b	Pwr 5.0W;Vi 5.0V;Vo±15V;Io ±165mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
55	BPM15-330D12	52	27			MP649	Pwr 10W;Vi 12V;Vo ±15V;Io ±330mA;Line And Load Reg .02%;Eff 48%;TC .02%/°C
56	BPM15-330D28	52	27			MP649	Pwr 10W;Vi 28V;Vo ±15V;Io ±330mA;Line And Load Reg .02%;Eff 51%;TC .02%/°C
57	BPM15-330D5	52	27			MP649	Pwr 10W;Vi 5.0V;Vo ±15V;Io ±330mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
58	BPM18-25D12	52	27			MP278a	Vi 12VDC;Vo ±18VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
59	BPM18-25D28	52	27			MP278a	Vi 28VDC;Vo ±18VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
60	BPM18-25D5	52	27			MP278a	Vi 5VDC;Vo ±18VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
61	BPM18-100D12	52	27			MP436	Vi 12VDC;Vo ±18VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
62	BPM18-100D28	52	27			MP436	Vi 28VDC;Vo ±18VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
63	BPM18-100D5	52	27			MP436	Vi 5VDC;Vo ±18VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
64	BPM18-140D12	52	27			MP436b	Pwr 5.0W;Vi 12V;Vo ±18V;Io ±140mA;Line And Load Reg .02%;Eff 55%;TC .02%/°C
65	BPM18-140D28	52	27			MP436b	Pwr 5.0W;Vi 28V;Vo ±18V;Io ±140mA;Line And Load Reg .02%;Eff 60%;TC .02%/°C
66	BPM18-140D5	52	27			MP436b	Pwr 5.0W;Vi 5.0V;Vo ±18V;Io ±140mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
67	BPM18-280D12	52	27			MP649	Pwr 10W;Vi 12V;Vo ±18V;Io ±280mA;Line And Load Reg .02%;Eff 48%;TC .02%/°C
68	BPM18-280D28	52	27			MP649	Pwr 10W;Vi 28V;Vo ±18V;Io ±280mA;Line And Load Reg .02%;Eff 51%;TC .02%/°C
69	BPM18-280D5	52	27			MP649	Pwr 10W;Vi 5.0V;Vo ±18V;Io ±280mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
70	CE5-5S180	52	27			MP278	Vi 5.0V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
71	CE5-5S600	52	27			MP277	Vi 5.0V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
72	CE5-12D100	52	27			MP277	Vi 5.0V†;Vo±12V;Io 100mA;Reg Line and Load .02%;Rpl 1.0mVrms.
73	CE5-12D125	52	27			MP277	Vi 5.0V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
74	CE5-12D25	52	27			MP278	Vi 5.0V†;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
75	CE5-12D35	52	27			MP278	Vi 5.0V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
76	CE5-12S250	52	27			MP277	Vi 5.0Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
77	CE5-12S75	52	27			MP278	Vi 5.0V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
78	CE5-15D100	52	27			MP277	Vi 5.0V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
79	CE5-15D30	52	27			MP278	Vi 5.0V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
80	CE5-15S200	52	27			MP277	Vi 5.0V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
81	CE5-15S60	52	27			MP278	Vi 50V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
82	CE5-18D25	52	27			MP278	Vi 5.0V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
83	CE5-18D85	52	27			MP277	Vi 5.0V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
84	CE5-24D18	52	27			MP278	Vi 5.0V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
85	CE5-24D20	52	27			MP278	Vi 5.0V†;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
86	CE5-24D62	52	27			MP277	Vi 5.0V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
87	CE5-24D75	52	27			MP277	Vi 5.0V†;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
88	CE5-24S125	52	27			MP277	Vi 5.0V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
89	CE5-24S36	52	27			MP278	Vi 5.0V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
90	CE5-28S100	52	27			MP277	Vi 5.0V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
91	CE5-28S32	52	27			MP278	Vi 5.0V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
92	CE6-5S180	52	27			MP278	Vi 6.0V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
93	CE6-5S600	52	27			MP277	Vi 6.0V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
94	CE6-12D100	52	27			MP277	Vi 6.0V†;Vo±12V;Io 100mA;Reg Load and Line .02%;Rpl 1.0mVrms.
95	CE6-12D125	52	27			MP277	Vi 6.0V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
96	CE6-12D25	52	27			MP278	Vi 6.0V†;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
97	CE6-12D35	52	27			MP278	Vi 6.0V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
98	CE6-12S250	52	27			MP277	Vi 6.0V;Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
99	CE6-12S75	52	27			MP278	Vi 6.0V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
100	CE6-15D100	52	27			MP277	Vi 6.0V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
101	CE6-15D30	52	27			MP278	Vi 6.0V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
102	CE6-15S200	52	27			MP277	Vi 6.0V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
103	CE6-15S60	52	27			MP278	Vi 6.0V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
104	CE6-18D25	52	27			MP278	Vi 6.0V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
105	CE6-18D85	52	27			MP277	Vi 6.0V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
106	CE6-24D18	52	27			MP278	Vi 6.0V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
107	CE6-24D20	52	27			MP278	Vi 6.0V†;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
108	CE6-24D62	52	27			MP277	Vi 6.0V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
109	CE6-24D75	52	27			MP277	Vi 6.0V†;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
110	CE6-24S125	52	27			MP277	Vi 6.0V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP -+	DRAWINGS CKT.	DRAWINGS OUTLINE Δ=MO	GENERAL DESCRIPTION
1	CE6-24S36	52	27		MP278	Vi 6.0V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
2	CE6-28S100	52	27		MP277	Vi 6.0V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
3	CE6-28S32	52	27		MP278	Vi 6.0V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 50%;Rpl 1.0mVrms.
4	CE12-5S180	52	27		MP278	Vi 12V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
5	CE12-5S600	52	27		MP277	Vi 12V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
6	CE12-12D100	52	27		MP277	Vi 12V†;Vo±12V;Io 100mA;Reg Load and Line .02%;Rpl 1.0mVrms.
7	CE12-12D125	52	27		MP277	Vi 12V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
8	CE12-12D25	52	27		MP278	Vi 12V†;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
9	CE12-12D35	52	27		MP278	Vi 12V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
10	CE12-12S250	52	27		MP277	Vi 12V;Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
11	CE12-12S75	52	27		MP278	Vi 12V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
12	CE12-15D100	52	27		MP277	Vi 12V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
13	CE12-15D30	52	27		MP278	Vi 12V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
14	CE12-15S200	52	27		MP277	Vi 12V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
15	CE12-15S60	52	27		MP278	Vi 12V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
16	CE12-18D25	52	27		MP278	Vi 12V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
17	CE12-18D85	52	27		MP277	Vi 12V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
18	CE12-24D18	52	27		MP278	Vi 12V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
19	CE12-24D20	52	27		MP278	Vi 12V†;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
20	CE12-24D62	52	27		MP277	Vi 12V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
21	CE12-24D75	52	27		MP277	Vi 12V†;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
22	CE12-24S125	52	27		MP277	Vi 12V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
23	CE12-24S36	52	27		MP278	Vi 12V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
24	CE12-28S100	52	27		MP277	Vi 12V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
25	CE12-28S32	52	27		MP278	Vi 12V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
26	CE28-5S180	52	27		MP278	Vi 28V;Vo 5.0V;Io 180mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
27	CE28-5S600	52	27		MP277	Vi 28V;Vo 5.0V;Io 600mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
28	CE28-12D100	52	27		MP277	Vi 28V†;Vo±12V;Io 100mA;Reg Load and Line .02%;Rpl 1.0mVrms.
29	CE28-12D125	52	27		MP277	Vi 28V;Vo±12V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
30	CE28-12D25	52	27		MP278	Vi 28V†;Vo±12V;Io 25mA;Reg Load and Line .02%;Rpl 1.0mVrms.
31	CE28-12D35	52	27		MP278	Vi 28V;Vo±12V;Io 35mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
32	CE28-12S250	52	27		MP277	Vi 28V;Vo 12V;Io 250mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
33	CE28-12S75	52	27		MP278	Vi 28V;Vo 12V;Io 75mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
34	CE28-15D100	52	27		MP277	Vi 28V;Vo±15V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
35	CE28-15D30	52	27		MP278	Vi 28V;Vo±15V;Io 30mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
36	CE28-15S200	52	27		MP277	Vi 28V;Vo 15V;Io 200mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
37	CE28-15S60	52	27		MP278	Vi 28V;Vo 15V;Io 60mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
38	CE28-18D25	52	27		MP278	Vi 28V;Vo±18V;Io 25mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
39	CE28-18D85	52	27		MP277	Vi 28V;Vo±18V;Io 85mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
40	CE28-24D18	52	27		MP278	Vi 28V;Vo±24V;Io 18mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
41	CE28-24D20	52	27		MP278	Vi 28V†;Vo±24V;Io 20mA;Reg Load and Line .02%;Rpl 1.0mVrms.
42	CE28-24D62	52	27		MP277	Vi 28V;Vo±24V;Io 62mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
43	CE28-24D75	52	27		MP277	Vi 28V†;Vo±24V;Io 75mA;Reg Load and Line .02%;Rpl 1.0mVrms.
44	CE28-24S125	52	27		MP277	Vi 28V;Vo 24V;Io 125mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
45	CE28-24S36	52	27		MP278	Vi 28V;Vo 24V;Io 36mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
46	CE28-28S100	52	27		MP277	Vi 28V;Vo 28V;Io 100mA;Reg Line and Load .02%;TC .02%;Eff 60%;Rpl 1.0mVrms.
47	CE28-28S32	52	27		MP278	Vi 28V;Vo 28V;Io 32mA;Reg Line and Load .02%;TC .02%;Eff 55%;Rpl 1.0mVrms.
48▼	D15-100/12	52	27	Z766	MP366a	Vi 12V;Vo ±15V;Io 100mA;Eff 65%;Line and Load Reg 0.01%;TC ±0.01%Δ
49▼	D15-100/24	52	27	Z766	MP366a	Vi 24V;Vo ±15V;Io 100mA;Eff 65%;Line and Load Reg 0.01%;TC ±0.01%Δ
50▼	D15-100/28	52	27	Z766	MP366a	Vi 28V;Vo ±15V;Io 100mA;Eff 65%;Line and Load Reg 0.01%;TC ±0.01%Δ
51▼	D15-100/5	52	27	Z766	MP366a	Vi 5.0V;Vo ±15V;Io 100mA;Eff 65%;Line and Load Reg 0.01%;TC ±0.01%Δ
52	DC5-12-100	52	27	Z697	MP277	Vi ±5.0V, Vo ±12V; Io ±100mA; Input Cd 100uF; Inp Cur 1.2A; I/O Isol Imped 100GΩ
53	DC5-12-200	52	27	Z697	MP277a	Vi ±5.0V, Vo ±12V; Io ±200mA; Input Cd 220uF; Inp Cur 2.0A; I/O Isol Imped 100GΩ
54	DC5-12-25	52	27	Z697	MP278	Vi ±5.0V, Vo ±12V; Io ±25mA; Input Cd 33uF; Inp Cur 340mA; I/O Isol Imped 100GΩ
55	DC5-15-100	52	27	Z697	MP277	Vi ±5.0V, Vo ±15V; Io ±100mA; Input Cd 100uF; Inp Cur 1.2A; I/O Isol Imped 100GΩ
56	DC5-15-200	52	27	Z697	MP277a	Vi ±5.0V, Vo ±15V; Io ±200mA; Input Cd 220uF; Inp Cur 2.0A; I/O Isol Imped 100GΩ
57	DC5-15-25	52	27	Z697	MP278	Vi ±5.0V, Vo ±15V; Io ±25mA; Input Cd 33uF; Inp Cur 340mA; I/O Isol Imped 100GΩ
58	DC12-12-100	52	26	Z697	MP277	Vi ±12V; Vo ±12V; Io ±100mA; Input Cd 47uF; Inp Cur 500mA; I/O Isol Imped 100GΩ
59	DC12-12-200	52	26	Z697	MP277a	Vi ±12V; Vo ±12V; Io ±200mA; Input Cd 100uF; Inp Cur 800mA; I/O Isol Imped 100GΩ
60	DC12-12-25	52	26	Z697	MP278	Vi ±12V; Vo ±12V; Io ±25mA; Input Cd 15uF; Inp Cur 140mA; I/O Isol Imped 100GΩ
61	DC12-15-100	52	26	Z697	MP277	Vi ±12V; Vo ±15V; Io ±100mA; Input Cd 47uF; Inp Cur 500mA; I/O Isol Imped 100GΩ
62	DC12-15-200	52	26	Z697	MP277a	Vi ±12V; Vo ±15V; Io ±200mA; Input Cd 100uF; Inp Cur 800mA; I/O Isol Imped 100GΩ
63	DC12-15-25	52	26	Z697	MP278	Vi ±12V; Vo ±15V; Io ±25mA; Input Cd 15uF; Inp Cur 140mA; I/O Isol Imped 100GΩ
64	DC28-12-100	52	26	Z697	MP277	Vi ±28; Vo ±12V; Io ±100mA; Input Cd 22uF; Inp Cur 220mA; I/O Isol Imped 100GΩ
65	DC28-12-200	52	26	Z697	MP277a	Vi ±28; Vo ±12V; Io ±200mA; Input Cd 47uF; Inp Cur 350mA; I/O Isol Imped 100GΩ
66	DC28-12-25	52	26	Z697	MP278	Vi ±28; Vo ±12V; Io ±25mA; Input Cd 6.8uF; Inp Cur 60mA; I/O Isol Imped 100GΩ
67	DC28-15-100	52	26	Z697	MP277	Vi ±28; Vo ±15V; Io ±100mA; Input Cd 22uF; Inp Cur 220mA; I/O Isol Imped 100GΩ
68	DC28-15-200	52	26	Z697	MP277a	Vi ±28; Vo ±15V; Io ±200mA; Input Cd 47uF; Inp Cur 350mA; I/O Isol Imped 100GΩ
69	DC28-15-25	52	26	Z697	MP278	Vi ±28; Vo ±15V; Io ±25mA; Input Cd 6.8uF; Inp Cur 60mA; I/O Isol Imped 100GΩ
70	DD5-1.12.250	52	27		MP277	Vi 5.0V;Vo 12V;Io 250mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
71	DD5-1.12.75	52	27		MP35c	Vi 5.0V;Vo 12V;Io 75mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
72	DD5-1.24.125	52	27		MP277	Vi 5.0V;Vo 24V;Io 125mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
73	DD5-1.24.36	52	27		MP35c	Vi 5.0V;Vo 24V;Io 36mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
74	DD5-1.28.110	52	27		MP277	Vi 5.0V;Vo 28V;Io 110mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
75	DD5-1.28.32	52	27		MP35c	Vi 5.0V;Vo 28V;Io 32mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
76	DD5-1.30.100	52	27		MP277	Vi 5.0V;Vo 30V;Io 100mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
77	DD5-1.30.30	52	27		MP35c	Vi 5.0V;Vo 30V;Io 30mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
78	DD5-1.5.180	52	27		MP35c	Vi 5.0V;Vo 5.0V;Io 180mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
79	DD5-1.5.600	52	27		MP277	Vi 5.0V;Vo 5.0V;Io 600mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
80	DD5-2.12.100	52	27		MP277	Vi 5.0VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
81	DD5-2.12.125	52	27		MP277	Vi 5.0V;Vo ±12V;Io ±125mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
82	DD5-2.12.25	52	27		MP35c	Vi 5.0VDC;Vo ±12;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
83	DD5-2.12.35	52	27		MP35c	Vi 5.0V;Vo ±12V;Io ±35mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
84	DD5-2.15.100	52	27		MP277	Vi 5.0VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
85	DD5-2.15.25	52	27		MP35c	Vi 5.0VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
86	DD5-2.15.30	52	27		MP35c	Vi 5.0V;Vo ±15V;Io ±30mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
87	DD5-2.18.25	52	27		MP35c	Vi 5.0VDC;Vo ±18V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
88	DD5-2.18.85	52	27		MP277	Vi 5.0V;Vo ±18V;Io ±85mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
89	DD5-2.24.18	52	27		MP35c	Vi 5.0V;Vo ±24V;Io ±18mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
90	DD5-2.24.62	52	27		MP277	Vi 5.0V;Vo ±24V;Io ±62mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
91	DD6-1.12.250	52	27		MP277	Vi 6.0V;Vo 12V;Io 250mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
92	DD6-1.12.75	52	27		MP35c	Vi 6.0V;Vo 12V;Io 75mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
93	DD6-1.24.125	52	27		MP277	Vi 6.0V;Vo 24V;Io 125mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
94	DD6-1.24.36	52	27		MP35c	Vi 6.0V;Vo 24V;Io 36mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
95	DD6-1.28.110	52	27		MP277	Vi 6.0V;Vo 28V;Io 110mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
96	DD6-1.28.32	52	27		MP35c	Vi 6.0V;Vo 28V;Io 32mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
97	DD6-1.30.100	52	27		MP277	Vi 6.0V;Vo 30V;Io 100mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
98	DD6-1.30.30	52	27		MP35c	Vi 6.0V;Vo 30V;Io 30mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
99	DD6-1.5.180	52	27		MP35c	Vi 6.0V;Vo 5.0V;Io 180mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
100	DD6-1.5.600	52	27		MP277	Vi 6.0V;Vo 5.0V;Io 600mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
101	DD6-2.12.100	52	27		MP277	Vi 6.0VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
102	DD6-2.12.125	52	27		MP277	Vi 6.0V;Vo ±12V;Io ±125mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
103	DD6-2.12.25	52	27		MP35c	Vi 6.0VDC;Vo ±12V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
104	DD6-2.12.35	52	27		MP35c	Vi 6.0V;Vo ±12V;Io ±35mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
105	DD6-2.15.100	52	27		MP277	Vi 6.0VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 60%.
106	DD6-2.15.25	52	27		MP35c	Vi 6.0VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 50%.
107	DD6-2.15.30	52	27		MP35c	Vi 6.0V;Vo ±15V;Io ±30mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
108	DD6-2.18.85	52	27		MP277	Vi 6.0V;Vo ±18V;Io ±85mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.
109	DD6-2.24.18	52	27		MP35c	Vi 6.0V;Vo ±24V;Io ±18mA;Eff 50%;Line and Load Reg .02% max;T.C. .02%/°C.
110	DD6-2.24.62	52	27		MP277	Vi 6.0V;Vo ±24V;Io ±62mA;Eff 60%;Line and Load Reg .02% max;T.C. .02%/°C.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	DD12-1.12.250	52	27		MP277	Vi 12V;Vo 12V;Io 250mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
2	DD12-1.12.75	52	27		MP35c	Vi 12V;Vo 12V;Io 75mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
3	DD12-1.24.125	52	27		MP277	Vi 12V;Vo 24V;Io 125mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
4	DD12-1.24.36	52	27		MP35c	Vi 12V;Vo 24V;Io 36mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
5	DD12-1.28.110	52	27		MP277	Vi 12V;Vo 28V;Io 110mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
6	DD12-1.28.32	52	27		MP35c	Vi 12V;Vo 28V;Io 32mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
7	DD12-1.30.100	52	27		MP277	Vi 12V;Vo 30V;Io 100mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
8	DD12-1.30.30	52	27		MP35c	Vi 12V;Vo 30V;Io 30mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
9	DD12-1.5.180	52	27		MP35c	Vi 12V;Vo 5.0V;Io 180mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
10	DD12-1.5.500	52	27		MP277	Vi 12V;Vo 5.0V;Io 600mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
11	DD12-2.12.100	52	27		MP277	Vi 12VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
12	DD12-2.12.125	52	27		MP277	Vi 12V;Vo ±12V;Io ±125mA;Eff 65%;Line and Load Reg .02% max;T.C. .02%/°C.
13	DD12-2.12.25	52	27		MP35c	Vi 12VDC;Vo ±12V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
14	DD12-2.12.35	52	27		MP35c	Vi 12V;Vo ±12V;Io ±35mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
15	DD12-2.15.100	52	27		MP277	Vi 12VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
16	DD12-2.15.25	52	27		MP35c	Vi 12VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
17	DD12-2.15.30	52	27		MP35c	Vi 12V;Vo ±15V;Io ±30mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
18	DD12-2.18.25	52	27		MP35c	Vi 12VDC;Vo ±18V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
19	DD12-2.18.85	52	27		MP277	Vi 12V;Vo ±18V;Io ±85mA;Eff 65%;Line and Load Reg .02% max;T.C. .02%/°C.
20	DD12-2.24.18	52	27		MP35c	Vi 12V;Vo ±24V;Io ±18mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
21	DD12-2.24.62	52	27		MP277	Vi 12V;Vo ±24V;Io ±62mA;Eff 65%;Line and Load Reg .02% max;T.C. .02%/°C.
22	DD28-1.12.250	52	27		MP277	Vi 28V;Vo 12V;Io 250mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
23	DD28-1.12.75	52	27		MP35c	Vi 28V;Vo 12V;Io 75mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
24	DD28-1.24.125	52	27		MP277	Vi 28V;Vo 24V;Io 125mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
25	DD28-1.24.36	52	27		MP35c	Vi 28V;Vo 24V;Io 36mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
26	DD28-1.28.110	52	27		MP277	Vi 28V;Vo 28V;Io 110mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
27	DD28-1.28.32	52	27		MP35c	Vi 28V;Vo 28V;Io 32mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
28	DD28-1.30.100	52	27		MP277	Vi 28V;Vo 30V;Io 100mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
29	DD28-1.30.30	52	27		MP35c	Vi 28V;Vo 30V;Io 30mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
30	DD28-1.5.180	52	27		MP35c	Vi 28V;Vo 5.0V;Io 180mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
31	DD28-1.5.600	52	27		MP277	Vi 28V;Vo 5.0V;Io 600mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
32	DD28-2.12.100	52	27		MP277	Vi 28VDC;Vo ±12V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
33	DD28-2.12.125	52	27		MP277	Vi 28V;Vo ±12V;Io ±125mA;Eff 65%;Line and Load Reg .02% max;T.C. .02%/°C.
34	DD28-2.12.25	52	27		MP35c	Vi 28VDC;Vo ±12V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
35	DD28-2.12.35	52	27		MP35c	Vi 28V;Vo ±12V;Io ±35mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
36	DD28-2.15.100	52	27		MP277	Vi 28VDC;Vo ±15V;Io 100mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
37	DD28-2.15.25	52	27		MP35c	Vi 28VDC;Vo ±15V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
38	DD28-2.15.30	52	27		MP35c	Vi 28V;Vo ±15V;Io ±30mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
39	DD28-2.18.25	52	27		MP35c	Vi 28VDC;Vo ±18V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
40	DD28-2.18.85	52	27		MP277	Vi 28V;Vo ±18V;Io ±85mA;Eff 65%;Line and Load Reg .02% max;T.C. .02%/°C.
41	DD28-2.24.18	52	27		MP35c	Vi 28V;Vo ±24V;Io ±18mA;Eff 55%;Line and Load Reg .02% max;T.C. .02%/°C.
42	DD28-2.24.25	52	27		MP35c	Vi 28VDC;Vo ±24V;Io 25mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 55%.
43	DD28-2.24.62	52	27		MP277	Vi 28V;Vo ±24V;Io ±62mA;Eff 65%;Line and Load Reg .02% max;T.C. .02%/°C.
44	DD28-2.24.75	52	27		MP277	Vi 28VDC;Vo ±24V;Io 75mA;Reg.Load.02% and Line.02%;TC.02%/°C;Rpl 1.0mVrms;Eff. 65%.
45	DTD5-2.12.38	52	27		MP367	Vi 5.0V;Vo ±12V;Io ±38mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
46	DTD5-2.15.30	52	27		MP367	Vi 5.0V;Vo ±15V;Io 30mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
47	DTD5-2.24.20	52	27		MP367	Vi 5.0V;Vo ±24V;Io ±20mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
48	DTD5-2.5.90	52	27		MP367	Vi 5.0V;Vo ±5.0V;Io ±90mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
49	DTD5-2.6.75	52	27		MP367	Vi 5.0V;Vo ±6.0V;Io ±75mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
50	DTD6-2.12.38	52	27		MP367	Vi 6.0V;Vo ±12V;Io ±38mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
51	DTD6-2.15.30	52	27		MP367	Vi 6.0V;Vo ±15V;Io ±30mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
52	DTD6-2.24.20	52	27		MP367	Vi 6.0V;Vo ±24V;Io 20mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
53	DTD6-2.5.90	52	27		MP367	Vi 6.0V;Vo ±5.0V;Io ±90mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
54	DTD6-2.6.75	52	27		MP367	Vi 6.0V;Vo ±6.0V;Io ±75mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
55	DTD12-2.12.38	52	27		MP367	Vi 12V;Vo ±12V;Io ±38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
56	DTD12-2.15.30	52	27		MP367	Vi 12V;Vo ±15V;Io ±30mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
57	DTD12-2.24.20	52	27		MP367	Vi 12V;Vo ±24V;Io ±20mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
58	DTD12-2.5.90	52	27		MP367	Vi 12V;Vo ±5.0V;Io ±90mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
59	DTD12-2.6.75	52	27		MP367	Vi 12V;Vo ±6.0V;Io ±75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
60	DTD15-2.12.38	52	27		MP367	Vi 15V;Vo ±12V;Io ±38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
61	DTD15-2.15.30	52	27		MP367	Vi 15V;Vo ±15V;Io ±30mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
62	DTD15-2.24.20	52	27		MP367	Vi 15V;Vo ±24V;Io ±20mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
63	DTD15-2.5.90	52	27		MP367	Vi 15V;Vo ±5.0V;Io ±90mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
64	DTD15-2.6.75	52	27		MP367	Vi 15V;Vo ±6.0V;Io ±75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
65	DTD28-2.12.38	52	27		MP367	Vi 28V;Vo ±12V;Io ±38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
66	DTD28-2.15.30	52	27		MP367	Vi 28V;Vo ±15V;Io ±30mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
67	DTD28-2.24.20	52	27		MP367	Vi 28V;Vo ±24V;Io ±20mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
68	DTD28-2.5.90	52	27		MP367	Vi 28V;Vo ±5.0V;Io 90mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
69	DTD28-2.6.75	52	27		MP367	Vi 28V;Vo ±6.0V;Io ±75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
70	DTS5-1.12.75	52	27		MP367	Vi 5.0V;Vo 12V;Io 75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
71	DTS5-1.15.60	52	27		MP367	Vi 5.0V;Vo 15V;Io 60mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
72	DTS5-1.24.38	52	27		MP367	Vi 5.0V;Vo 24V;Io 38mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
73	DTS5-1.5.180	52	27		MP367	Vi 5.0V;Vo 5.0V;Io 180mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
74	DTS5-1.6.150	52	27		MP367	Vi 5.0V;Vo 6.0V;Io 150mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
75	DTS6-1.12.75	52	27		MP367	Vi 6.0V;Vo 12V;Io 75mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
76	DTS6-1.15.60	52	27		MP367	Vi 6.0V;Vo 15V;Io 60mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
77	DTS6-1.24.38	52	27		MP367	Vi 6.0V;Vo 24V;Io 38mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
78	DTS6-1.5.180	52	27		MP367	Vi 6.0V;Vo 5.0V;Io 180mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
79	DTS6-1.6.150	52	27		MP367	Vi 6.0V;Vo 6.0V;Io 150mA;Eff 80%;Freq 5-10kHz;No and Rpl 30mVp-p.
80	DTS12-1.12.75	52	27		MP367	Vi 12V;Vo 12V;Io 75mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
81	DTS12-1.15.60	52	27		MP367	Vi 12V;Vo 15V;Io 60mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
82	DTS12-1.24.38	52	27		MP367	Vi 12V;Vo 24V;Io 38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
83	DTS12-1.5.180	52	27		MP367	Vi 12V;Vo 5.0V;Io 180mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
84	DTS12-1.6.150	52	27		MP367	Vi 12V;Vo 6.0V;Io 150mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
85	DTS15-1.12.75	52	27		MP367	Vi 15V;Vo 12V;Io 75mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
86	DTS15-1.15.60	52	27		MP367	Vi 15V;Vo 15V;Io 60mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
87	DTS15-1.24.38	52	27		MP367	Vi 15V;Vo 24V;Io 38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
88	DTS15-1.5.180	52	27		MP367	Vi 15V;Vo 5.0V;Io 180mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
89	DTS15-1.6.150	52	27		MP367	Vi 15V;Vo 6.0V;Io 150mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
90	DTS28-1.12.75	52	27		MP367	Vi 28V;Vo 12V;Io 75mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
91	DTS28-1.15.60	52	27		MP367	Vi 28V;Vo 15V;Io 60mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
92	DTS28-1.24.38	52	27		MP367	Vi 28V;Vo 24V;Io 38mA;Eff 90%;Freq 5-10kHz;No and Rpl 30mVp-p.
93	DTS28-1.5.180	52	27		MP367	Vi 28V;Vo 5.0V;Io 180mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
94	DTS28-1.6.150	52	27		MP367	Vi 28V;Vo 6.0V;Io 150mA;Eff 85%;Freq 5-10kHz;No and Rpl 30mVp-p.
95	HC1050-1	52	5C	Z461	MP184	Pwr 2.5W;Vi 20V;Vo 5.0V;Io 500mA♦;Refl Ripple 300mA;Eff 80%.
96	HC1060-1	52	5C	Z461	MP184	Pwr 2.5W;Vi 20V;Vo 6.0V;Io 417mA;Refl Ripple 300mA;Eff 80%.
97	HC1080-1	52	5C	Z461	MP184	Pwr 2.5W;Vi 20V;Vo 8.0V;Io 313mA;Refl Ripple 300mA;Eff 80%.
98	HC1100-1	52	5C	Z461	MP184	Pwr 2.5W;Vi 20V;Vo 10V;Io 250mA;Refl Ripple 300mA;Eff 80%.
99	HC1101-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 100V;Io 30mA;Refl Ripple 300mA;Eff 80%.
100	HC1120-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 12V;Io 250mA;Refl Ripple 300mA;Eff 80%.
101	HC1150-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 15V;Io 200mA;Refl Ripple 300mA;Eff 80%.
102	HC1151-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 150V;Io 20mA;Refl Ripple 300mA;Eff 80%.
103	HC1200-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 20V;Io 150mA;Refl Ripple 300mA;Eff 80%.
104	HC1201-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 200V;Io 15mA;Refl Ripple 300mA;Eff 80%.
105	HC1240-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 24V;Io 125mA;Refl Ripple 300mA;Eff 80%.
106	HC1280-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 28V;Io 108mA;Refl Ripple 300mA;Eff 80%.
107	HC1300-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 30V;Io 100mA;Refl Ripple 300mA;Eff 80%.
108	HC1301-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 300V;Io 10mA;Refl Ripple 300mA;Eff 80%.
109	HC1500-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 50V;Io 60mA;Refl Ripple 300mA;Eff 80%.
110	HC1750-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo 75V;Io 40mA;Refl Ripple 300mA;Eff 80%.

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	HC3120-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo ±12V;Io ±125mA;Refl Ripple 300mA;Eff 80%.
2	HC3150-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo ±15V;Io ±100mA;Refl Ripple 300mA;Eff 80%.
3	HC3180-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo ±18V;Io ±83mA;Refl Ripple 300mA;Eff 80%.
4	HC3250-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 20V;Vo ±25V;Io ±60mA;Refl Ripple 300mA;Eff 80%.
5	HC4050-1	52	5C	Z461	MP184	Pwr 2.5W;Vi 12V;Vo 5.0V;Io 500mA;Refl Ripple 900mA;Eff 75%.
6	HC4060-1	52	5C	Z461	MP184	Pwr 2.5W;Vi 12V;Vo 6.0V;Io 417mA;Refl Ripple 900mA;Eff 75%.
7	HC4080-1	52	5C	Z461	MP184	Pwr 2.5W;Vi 12V;Vo 8.0V;Io 313mA;Refl Ripple 900mA;Eff 75%.
8	HC4100-1	52	5C	Z461	MP184	Pwr 2.5W;Vi 12V;Vo 10V;Io 250mA;Refl Ripple 900mA;Eff 75%.
9	HC4101-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 100V;Io 30mA;Refl Ripple 900mA;Eff 75%.
10	HC4120-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 12V;Io 250mA;Refl Ripple 900mA;Eff 75%.
11	HC4150-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 15V;Io 200mA;Refl Ripple 900mA;Eff 75%.
12	HC4151-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 150V;Io 20mA;Refl Ripple 900mA;Eff 75%.
13	HC4200-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 20V;Io 150mA;Refl Ripple 900mA;Eff 75%.
14	HC4201-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 200V;Io 15mA;Refl Ripple 900mA;Eff 75%.
15	HC4240-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 24V;Io 125mA;Refl Ripple 900mA;Eff 75%.
16	HC4280-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 28V;Io 108mA;Refl Ripple 900mA;Eff 75%.
17	HC4300-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 30V;Io 100mA;Refl Ripple 900mA;Eff 75%.
18	HC4301-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 300V;Io 10mA;Refl Ripple 900mA;Eff 75%.
19	HC4500-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 50V;Io 60mA;Refl Ripple 900mA;Eff 75%.
20	HC4750-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo 75V;Io 40mA;Refl Ripple 900mA;Eff 75%.
21	HC5120-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo ±12V;Io ±125mA;Refl Ripple 900mA;Eff 75%.
22	HC5150-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo ±15V;Io 100mA;Refl Ripple 900mA;Eff 75%.
23	HC5180-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo ±18V;Io ±83mA;Refl Ripple 900mA;Eff 75%.
24	HC5250-1	52	5C	Z461	MP184	Pwr 3.0W;Vi 12V;Vo ±25V;Io ±60mA;Refl Ripple 900mA;Eff 75%.
25	HC7150-1	52	5C	Z461	MP184	Pwr2.0W;Vi5.0V;Vo±15V;Io±67mA;Refl Ripple1.5A;Eff70%
26	HCH005-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 5.0V;Io 200mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
27	HCH005-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -5.0V;Io -200mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi5,6V.
28	HCH006-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 6.0V;Io 172mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
29	HCH006-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -6.0V;Io -172mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
30	HCH007-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 7.0V;Io 153mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
31	HCH007-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -7.0V;Io -153mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
32	HCH008-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 8.0V;Io 138mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
33	HCH008-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -8.0V;Io -138mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
34	HCH009-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 9.0V;Io 126mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
35	HCH009-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -9.0V;Io -126mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
36	HCH010-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 10V;Io 117mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
37	HCH010-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -10V;Io -117mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
38	HCH012-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 12V;Io 104mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
39	HCH012-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -12V;Io -104mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
40	HCH015-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 15V;Io 83mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
41	HCH015-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -15V;Io -83mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
42	HCH018-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 18V;Io 69mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
43	HCH018-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -18V;Io -69mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
44	HCH020-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 20V;Io 62mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
45	HCH020-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -20V;Io -62mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
46	HCH024-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 24V;Io 52mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
47	HCH024-2	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo -24V;Io -52mA;Min Load 300mW;Op Freq 14kHz,11kHz for Vi 5,6V.
48	HCH028-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 28V;Io 89mA;Min Load 300mW;Op Freq 14kHz,11kHz for Vi 5,6V.
49	HCH030-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 30V;Io 83mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
50	HCH050-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 50V;Io 50mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
51	HCH075-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 75V;Io 33mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
52	HCH100-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 100V;Io 25mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
53	HCH150-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 150V;Io 17mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
54	HCH200-1	52	5C	Z461	MP184	Vi 5.0-28V♦;Vo 200V;Io 13mA;Min Load 300mW;Op freq 14kHz,11kHz for Vi 5,6V.
55	HCH300-1	52	5C	Z461	MP184	Vi 7.0-28V♦;Vo 300V;Io 10mA;Min Load 300mW;Op Freq 14kHz,11kHz for Vi 5,6V.
56▼	HCN005-1	52	5A	Z993	MP751	Vo 5.0V;Vi 5.0V or 6.0V♦ at Io 400mA max or Vi 12 to 28V♦ at Io 500mA max;Isol I/O 600VDC
57♦	HCN005-2	52	5A	Z993	MP751	Vo ±5.0V;Vi 5.0V or 6.0V♦ at Io ±200mA max or Vi 12 to 28V♦ at Io ±250mA max;Isol I/O 600V
58▼	HCN006-1	52	5A	Z993	MP751	Vo 6.0V;Vi 5.0V or 6.0V♦ at Io 345mA max or Vi 12 to 28V♦ at Io 428mA max;Isol I/O 600VDC
59♦	HCN006-2	52	5A	Z993	MP751	Vo ±6.0V;Vi 5.0V or 6.0V♦ at Io ±172mA max or Vi 12 to 28V♦ at Io ±214mA max;Isol I/O 600V
60▼	HCN007-1	52	5A	Z993	MP751	Vo 7.0V;Vi 5.0V or 6.0V♦ at Io 306mA max or Vi 12 to 28V♦ at Io 377mA max;Isol I/O 600VDC
61♦	HCN007-2	52	5A	Z993	MP751	Vo ±7.0V;Vi 5.0V or 6.0V♦ at Io ±153mA max or Vi 12 to 28V♦ at Io ±188mA max;Isol I/O 600V
62▼	HCN008-1	52	5A	Z993	MP751	Vo 8.0V;Vi 5.0V or 6.0V♦ at Io 276mA max or Vi 12 to 28V♦ at Io 339mA max;Isol I/O 600VDC
63♦	HCN008-2	52	5A	Z993	MP751	Vo ±8.0V;Vi 5.0V or 6.0V♦ at Io ±138mA max or Vi 12 to 28V♦ at Io ±169mA max;Isol I/O 600V
64▼	HCN009-1	52	5A	Z993	MP751	Vo 9.0V;Vi 5.0V or 6.0V♦ at Io 253mA max or Vi 12 to 28V♦ at Io 309mA max;Isol I/O 600VDC
65♦	HCN009-2	52	5A	Z993	MP751	Vo ±9.0V;Vi 5.0V or 6.0V♦ at Io ±126mA max or Vi 12 to 28V♦ at Io ±154mA max;Isol I/O 600V
66▼	HCN010-1	52	5A	Z993	MP751	Vo 10V;Vi 5.0V or 6.0V♦ at Io 235mA max or Vi 12 to 28V♦ at Io 285mA max;Isol I/O 600VDC
67♦	HCN010-2	52	5A	Z993	MP751	Vo ±10V;Vi 5.0V or 6.0V♦ at Io ±117mA max or Vi 12 to 28V♦ at Io ±142mA max;Isol I/O 600V
68▼	HCN012-1	52	5A	Z993	MP751	Vo 12V;Vi 5.0V or 6.0V♦ at Io 208mA max or Vi 12 to 28V♦ at Io 250mA max;Isol I/O 600VDC
69♦	HCN012-2	52	5A	Z993	MP751	Vo ±12V;Vi 5.0V or 6.0V♦ at Io ±104mA max or Vi 12 to 28V♦ at Io ±125mA max;Isol I/O 600V
70▼	HCN015-1	52	5A	Z993	MP751	Vo 15V;Vi 5.0V or 6.0V♦ at Io 167mA max or Vi 12 to 28V♦ at Io 200mA max;Isol I/O 600VDC
71♦	HCN015-2	52	5A	Z993	MP751	Vo ±15V;Vi 5.0V or 6.0V♦ at Io ±83mA max or Vi 12 to 28V♦ at Io ±100mA max;Isol I/O 600V
72▼	HCN018-1	52	5A	Z993	MP751	Vo 18V;Vi 5.0V or 6.0V♦ at Io 139mA max or Vi 12 to 28V♦ at Io 167mA max;Isol I/O 600VDC
73♦	HCN018-2	52	5A	Z993	MP751	Vo ±18V;Vi 5.0V or 6.0V♦ at Io ±69mA max or Vi 12 to 28V♦ at Io ±83mA max;Isol I/O 600V
74▼	HCN020-1	52	5A	Z993	MP751	Vo 20V;Vi 5.0V or 6.0V♦ at Io 125mA max or Vi 12 to 28V♦ at Io 150mA max;Isol I/O 600VDC
75♦	HCN020-2	52	5A	Z993	MP751	Vo ±20V;Vi 5.0V or 6.0V♦ at Io ±62mA max or Vi 12 to 28V♦ at Io ±75mA max;Isol I/O 600V
76▼	HCN024-1	52	5A	Z993	MP751	Vo 24V;Vi 5.0V or 6.0V♦ at Io 104mA max or Vi 12 to 28V♦ at Io 125mA max;Isol I/O 600VDC
77♦	HCN024-2	52	5A	Z993	MP751	Vo ±24V;Vi 5.0V or 6.0V♦ at Io ±52mA max or Vi 12 to 28V♦ at Io ±62mA max;Isol I/O 600V
78▼	HCN028-1	52	5A	Z993	MP751	Vo 28V;Vi 5.0V or 6.0V♦ at Io 89mA max or Vi 12 to 28V♦ at Io 108mA max;Isol I/O 600VDC
79▼	HCN030-1	52	5A	Z993	MP751	Vo 30V;Vi 5.0V or 6.0V♦ at Io 83mA max or Vi 12 to 28V♦ at Io 100mA max;Isol I/O 600VDC
80▼	HCN050-1	52	5A	Z993	MP751	Vo 50V;Vi 5.0V or 6.0V♦ at Io 50mA max or Vi 12 to 28V♦ at Io 60mA max;Isol I/O 600VDC
81▼	HCN075-1	52	5A	Z993	MP751	Vo 75V;Vi 5.0V or 6.0V♦ at Io 33mA max or Vi 12 to 28V♦ at Io 40mA max;Isol I/O 600VDC
82▼	HCN100-1	52	5A	Z993	MP751	Vo 100V;Vi 5.0V or 6.0V♦ at Io 25mA max or Vi 12 to 28V♦ at Io 30mA max;Isol I/O 600VDC
83▼	HCN150-1	52	5A	Z993	MP751	Vo 150V;Vi 5.0V or 6.0V♦ at Io 17mA max or Vi 12 to 28V♦ at Io 20mA max;Isol I/O 600VDC
84▼	HCN200-1	52	5A	Z993	MP751	Vo 200V;Vi 5.0V or 6.0V♦ at Io 13mA max or Vi 12 to 28V♦ at Io 15mA max;Isol I/O 600VDC
85▼	HCN300-1	52	5A	Z993	MP751	Vo 300V;Vi 12-28V♦ at Io 10mA max;Isol I/O 600VDC
86	MC1466L§	52	07	F043	TO116	Wide Range VandI Regulator Norm at 1.0Vand1.0mAout;Vinoff40mVΔ;Iin12uAΔ.
87	MC1566L§	52	5C	F043	TO116	Wide Range V and I Regulator;Norm at 1.0V and 1.0mA out;Vinoff 25mVΔ;Iin 6.0uAΔ.
88	MCC139-1	52	37	Z911	MP401g	Pd 1.0WΔ;Vi 2.5V;Vo 300mV†,Io 3.0A;Freq Rng 5.0kHz-40kHz;Oscil Duty Cycle 75%Δ⍁
89	MCC139-2	52	37	Z911	MP401g	Pd 1.0WΔ;Vi 4.5V;Vo 400mV†,Io 3.0A;Freq Rng 5.0kHz-40kHz;Oscil Duty Cycle 75%Δ⍁
90	MCC139-3	52	37	Z911	MP401g	Pd 1.0WΔ;Vi 4.5V;Vo 400mV†,Io 4.0A;Freq Rng 5.0kHz-40kHz;Oscil Duty Cycle 75%Δ⍁
91	MD25-2100	52	27		MP90b	Vi 12V;Vo⍁±5.0 to ±100V;VoxIo 1.5W;Reg. ±1.0% line and load;Rpl 300m%Δ.
92	MD45-4100	52	27		MP90b	Vi 24V;Vo⍁±5.0 to ±100V;VoxIo 1.5W;Reg. ±1.0% line and load;Rpl 300m%Δ.
93	MD85-8100	52	27		MP90b	Vi 28V;Vo⍁±5.0 to ±100V;VoxIo 1.5W;Reg. ±1.0% line and load;Rpl 300m%Δ.
94	MS25-2250	52	27		MP90b	Vi 12V;Vo⍁ 5.0 to 250V;VoxIo 3.0W;Reg. ± 1.0% line and load;Rpl 300m%Δ.
95	MS45-4250	52	27		MP90b	Vi 24V;Vo⍁ 5.0 to 250V;VoxIo 3.0W;Reg. ± 1.0% line and load;Rpl 300m%Δ.
96	MS85-8250	52	27		MP90b	Vi 28V;Vo⍁ 5.0 to 250V;VoxIo 3.0W;Reg. ± 1.0% line and load;Rpl 300m%Δ.
97	PD5	52	28		MP90	Vi 5.0V;Vo 15V;Po 1.0W;Tc .05%/°C;Reg. 1.0%;Rpl .10%.
98	PD13-20	52			MP90a	Vi⍁ 5.0 to 28V;Vo 200V;IS 12mA.
99	PD15	52	27		MP90a	Vi-28V;Vo-±15V,Io-34mA each;Reg-less than 2.5%,line 1.0%;Rpl-less than .30%.
100	PD24-250	52	27		MP90a	Vi 12V;Vo⍁ ±4.0 to ±50V;Vo x Io 1.0W;temp stab .05%/°C;Reg 2.5% load , 1.0% line Rpl .30%.
101	PD44-450	52	27		MP90a	Vi-24V;Vo⍁±4.0 to ±50V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
102	PD84-850	52	27		MP90a	Vi-28V;Vo⍁±4.0 to ±50V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
103▼	PM801	52	27		MP708	Vi 4.65-5.50V;Vo 5.0VDC;Io 2.0A;Load Reg ±.05%;TC ±.02%/°C
104▼	PM802	52	27		MP708	Vi 4.65-5.50V;Vo 9.0VDC;Io 1.2A;Load Reg ±.05%;TC ±.02%/°C
105▼	PM803	52	27		MP708	Vi 4.65-5.50V;Vo 12VDC;Io 940mA;Load Reg ±.05%;TC ±.02%/°C
106▼	PM804	52	27		MP708	Vi 4.65-5.50V;Vo 15VDC;Io 800mA;Load Reg ±.05%;TC ±.02%/°C
107▼	PM811	52	27		MP708	Vi 11.1-13.2V;Vo 5.0VDC;Io 2.0A;Load Reg ±.05%;TC ±.02%/°C
108▼	PM812	52	27		MP708	Vi 11.1-13.2V;Vo 9.0VDC;Io 1.2A;Load Reg ±.05%;TC ±.02%/°C
109▼	PM813	52	27		MP708	Vi 11.1-13.2V;Vo 12VDC;Io 940mA;Load Reg ±.05%;TC ±.02%/°C
110▼	PM814	52	27		MP708	Vi 11.1-13.2V;Vo 15VDC;Io 800mA;Load Reg ±.05%;TC ±.02%/°C

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1▼	PM851	52	27		MP708	Vi 4.65-5.50V;Vo ±12VDC;Io ±525mA;Load Reg ±.02%;TC ±.01%/°C
2▼	PM852	52	27		MP708	Vi 4.65-5.50V;Vo ±15VDC;Io ±412mA;Load Reg ±.02%;TC ±.01%/°C
3▼	PM861	52	27		MP708	Vi 11.1-13.2V;Vo ±12VDC;Io ±525mA;Load Reg ±.02%;TC ±.01%/°C
4♦	PM862	52	27		MP708	Vi 11.1-13.2V;Vo ±15VDC;Io ±412mA;Load Reg ±.02%;TC ±.01%/°C
5	PM901	52	27	Z854	MP665	Vi 5.0V;Vo 5.0V;Io 1.0A;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
6	PM901A	52	27	Z854	MP667	Vi 5.0V;Vo 5.0V;Io 1.0A;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
7	PM901B	52	27	Z854	MP668	Vi 5.0V;Vo 5.0V;Io 1.0A;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
8	PM902	52	27	Z854	MP665	Vi 5.0V;Vo 9.0V;Io 600mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
9	PM902A	52	27	Z854	MP667	Vi 5.0V;Vo 9.0V;Io 600mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
10	PM902B	52	27	Z854	MP668	Vi 5.0V;Vo 9.0V;Io 600mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
11	PM903	52	27	Z854	MP665	Vi 5.0V;Vo 12V;Io 470mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
12	PM903A	52	27	Z854	MP667	Vi 5.0V;Vo 12V;Io 470mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
13	PM903B	52	27	Z854	MP668	Vi 5.0V;Vo 12V;Io 470mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
14	PM904	52	27	Z854	MP665	Vi 5.0V;Vo 15V;Io 400mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
15	PM904A	52	27	Z854	MP667	Vi 5.0V;Vo 15V;Io 400mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
16	PM904B	52	27	Z854	MP668	Vi 5.0V;Vo 15V;Io 400mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
17	PM911	52	27	Z854	MP665	Vi 12V;Vo 5.0V;Io 1.0A;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
18	PM911A	52	27	Z854	MP667	Vi 12V;Vo 5.0V;Io 1.0A;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
19	PM911B	52	27	Z854	MP668	Vi 12V;Vo 5.0V;Io 1.0A;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
20	PM912	52	27	Z854	MP665	Vi 12V;Vo 9.0V;Io 600mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
21	PM912A	52	27	Z854	MP667	Vi 12V;Vo 9.0V;Io 600mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
22	PM912B	52	27	Z854	MP668	Vi 12V;Vo 9.0V;Io 600mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
23	PM913	52	27	Z854	MP665	Vi 12V;Vo 12V;Io 470mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
24	PM913A	52	27	Z854	MP667	Vi 12V;Vo 12V;Io 470mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
25	PM913B	52	27	Z854	MP668	Vi 12V;Vo 12V;Io 470mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
26	PM914	52	27	Z854	MP665	Vi 12V;Vo 15V;Io 400mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
27	PM914A	52	27	Z854	MP667	Vi 12V;Vo 15V;Io 400mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
28	PM914B	52	27	Z854	MP668	Vi 12V;Vo 15V;Io 400mA;Reg Line ±.02%Δ,Load ±.04%Δ;Eff 61%*;Vo Acc ±.5%Δ;TC ±.02%/°CΔ
29	PM951	52	27	Z855	MP666	Vi 5.0V;Vo 12V;Io 230mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
30	PM951A	52	27	Z855	MP667a	Vi 5.0V;Vo 12V;Io 230mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
31	PM951B	52	27	Z855	MP668a	Vi 5.0V;Vo 12V;Io 230mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
32	PM952	52	27	Z855	MP666	Vi 5.0V;Vo 15V;Io 190mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
33	PM952A	52	27	Z855	MP667a	Vi 5.0V;Vo 15V;Io 190mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
34	PM952B	52	27	Z855	MP668a	Vi 5.0V;Vo 15V;Io 190mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
35	PM961	52	27	Z855	MP666	Vi 12V;Vo ±12V;Io ±230mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
36	PM961A	52	27	Z855	MP667a	Vi 12V;Vo ±12V;Io ±230mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
37	PM961B	52	27	Z855	MP668a	Vi 12V;Vo ±12V;Io ±230mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
38	PM962	52	27	Z855	MP666	Vi 12V;Vo ±15V;Io ±190mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
39	PM962A	52	27	Z855	MP667a	Vi 12V;Vo ±15V;Io ±190mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
40	PM962B	52	27	Z855	MP668a	Vi 12V;Vo ±15V;Io ±190mA;Reg Line ±.02%Δ,Load ±.02%Δ;Eff 62%*;Vo Acc ±.5%Δ;TC ±.01%/°CΔ
41	PS24-2100	52	27		MP90a	Vi-12V;Vo⧄-4.0 to 100V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
42	PS44-4100	52	27		MP90a	Vi-24V;Vo⧄-4.0 to 100V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
43	PS84-8100	52	27		MP90a	Vi-28V;Vo⧄-4.0 to 100V;Vo x Io-1.0W;temp. stab.-.05%/°C;Reg-2.5% load,1.0% line;Rpl-.30%.
44	PSR1	52	27		MP142	Po 150mW;Efficiency 70%;Ro 100ΩΔ;Rpl 20mVppΔ.
45	R1862-3062	52	27		MP141	CRT P.S.;Vi⧄ 18 to 30V;Vo ± 2000VDC, 6.3VAC;Io 2mADC;700mAAC.
46	RP12-3/5	52	07		MP600	Pwr 6.7W; Vi 5.0V; Vo 12,-3V; Eff 70%; TC ±3.0mV/°C; Outp Ripple 150mVp-p max,20Hz-20mHzBW
47	RP12-5/5	52	07		MP600	Pwr 6.7W; Vi 5.0V; Vo 12,-5V; Eff 70%; TC ±3.0mV/°C; Outp Ripple 150mVp-p max,20Hz-20mHzBW
48	RP12-9/5	52	07		MP600	Pwr 6.7W; Vi 5.0V; Vo 12,-9V; Eff 70%; TC ±3.0mV/°C; Outp Ripple 150mVp-p max,20Hz-20mHzBW
49	SD25-2100	52	27		MP92	Vi 12V;Vo⧄ ± 5.0 to ± 100V;VoxIo 1.5W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
50	SD45-4100	52	27		MP92	Vi 24V;Vo⧄ ± 5.0 to ± 100V;VoxIo 1.5W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
51	SD85-8100	52	27		MP92	Vi 28V;Vo⧄ ± 5.0 to ± 100V;VoxIo 1.5W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
52	SS25-2250	52	27		MP92	Vi 12V;Vo⧄ 5.0 to 250V;VoxIo 3.0W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
53	SS45-4250	52	27		MP92	Vi 24V;Vo⧄ 5.0 to 250V;VoxIo 3.0W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
54	SS85-8250	52	27		MP92	Vi 28V;Vo⧄ 5.0 to 250V;VoxIo 3.0W;Load and Line Reg. ± 1.0%;Tc .05%/°CΔ.
55	SSP1500	52	27		MP202	Vi⧄ 4.0 to 12V;Vo⧄ 500V - 1.5kV;tr 1.0ms;tf 7.0ms;Rpl 1.0%ppΔ.
56	ST2	52	27		MP92	Vi-12V;Vo⧄±1V;temp. stab.-.05%/°C;Reg-2.0% load, line 2.0%;Input to Output Isolation-100V.
57	ST4	52	27		MP92	Vi-24V;Vo⧄±4V;temp. stab.-.05%/°C;Reg-2.0% load, line 2.0%;Input to Output Isolation-100V.
58	ST8	52	27		MP92	Vi-28V;Vo⧄±4V;temp. stab.-.05%/°C;Reg-2.0% load, line 2.0%;Input to Output Isolation-100V.
59	SW9-16-1.5.1	52	27		MP366	High Eff.Switching;Vi 9.0-16V;Vo 5.0V;Io 1.0A;Eff 85%;Reg.Line .10%,Load .05%.
60	SW9-16-1.5.2	52	27		MP366	High Eff.Switching;Vi 9.0-16V;Vo 5.0V;Io 2.0A;Eff 85%;Reg.Line .10%,Load .05%.
61	SW9-16-1.6.1	52	27		MP366	High Eff.Switching;Vi 9.0-16V;Vo 6.0V;Io 1.0A;Eff 85%;Reg.Line .10%,Load .05%.
62	SW9-16-1.6.2	52	27		MP366	High Eff.Switching;Vi 9.0-16V;Vo 6.0V;Io 2.0A;Eff 85%;Reg.Line .10%,Load .05%.
63	SW16-24-1.12.1	52	27		MP366	High Eff.Switching;Vi 16-24V;Vo 12V;Io 1.0A;Eff 85%;Reg.Line .10%,Load .05%.
64	SW16-24-1.12.2	52	27		MP366	High Eff.Switching;Vi 16-24V;Vo 12V;Io 2.0A;Eff 85%;Reg.Line .10%,Load .05%.
65	SW19-28-1.15.1	52	27		MP366	High Eff.Switching;Vi 19-28V;Vo 15V;Io 1.0A;Eff 90%;Reg.Line .10%,Load .05%.
66	SW19-28-1.15.2	52	27		MP366	High Eff.Switching;Vi 19-28V;Vo 15V;Io 2.0A;Eff 90%;Reg.Line .10%,Load .05%.
67	SW24-32-1.20.1	52	27		MP366	High Eff.Switching;Vi 24-32V;Vo 20V;Io 1.0A;Eff 90%;Reg.Line .10%,Load .05%.
68	SW24-32-1.20.2	52	27		MP366	High Eff.Switching;Vi 24-32V;Vo 20V;Io 2.0A;Eff 90%;Reg.Line .10%,Load .05%.
69	SW28-36-1.24.1	52	27		MP366	High Eff.Switching;ΔVi 28-36V;Vo 24V;Io 1.0A;Eff 90%;Reg.Line .10%,Load .05%.
70	SW28-36-1.24.2	52	27		MP366	High Eff.Switching;ΔVi 28-36V;Vo 24V;Io 2.0A;Eff 90%;Reg.Line .10%,Load .05%.
71	SW32-40-1.28.1	52	27		MP366	High Eff.Switching;ΔVi 32-40V;Vo 28V;Io 1.0A;Eff 90%;Reg.Line .10%,Load .05%.
72	SW32-40-1.28.2	52	27		MP366	High Eff.Switching;ΔVi 32-40V;Vo 28V;Io 2.0A;Eff 90%;Reg.Line .10%,Load .05%.
73	TD10-15	52			MP203	Vi⧄ 5.0 to 28V;Vo 200V;IS 3.0mA.
74	TL497CJ	52	07	Z701	MP139b	Switching Voltage Regulator;Output Current 50mA;Input Reg .2%Typ;Output Reg .4%Typ
75	TL497CN	52	07	Z701	MP598	Switching Voltage Regulator;Output Current 50mA;Input Reg .2% Typ;Output Reg .4% Typ
76	TL497IJ	52	28	Z701	MP139b	Switching Voltage Regulator;Output Current 50mA;Input Reg .2% Typ;Output Reg .4% Typ
77	TL497IN	52	28	Z701	MP598	Switching Voltage Regulator;Output Current 50mA;Input Reg .2% Typ;Output Reg .4% Typ
78	TL497MJ	52	5C	Z701	MP139b	Switching Voltage Regulator;Output Current 50mA;Input Reg .2% Typ;Output Reg .4% Typ
79	UPM5-500D12	52	27		MP436	Vi 12VDC;Vo 5VDC;Io 500mA;TC .02%/°C;Line and Load Reg .02%.
80	UPM5-500D28	52	27		MP436	Vi 28VDC;Vo 5VDC;Io 500mA;TC .02%/°C;Line and Load Reg .02%.
81	UPM5-500D5	52	27		MP436	5.0V Isolator/Regulator;IL 500mAΔ;Line/Load Regulation .05%;Zo 200mΩ;Vi 4.5-5.5Vdc.
82	UPM5-1000D12	52	27		MP436b	Pwr 5.0W;Vi 12V;Vo 5.0V;Io 1.0A:Line And Load Reg .05%;Eff 55%;TC .02%/°C
83	UPM5-1000D28	52	27		MP436b	Pwr 5.0W;Vi 28V;Vo 5.0V;Io 1.0A:Line And Load Reg .05%;Eff 60%;TC .02%/°C
84	UPM5-2000D12	52	27		MP649	Pwr 10W;Vi 12V;Vo 5.0V;Io 2.0A;Line And Load Reg .01%;Eff 48%;TC .02%/°C
85	UPM5-2000D28	52	27		MP649	Pwr 10W;Vi 28V;Vo 5.0V;Io 2.0A;Line And Load Reg .01%;Eff 51%;TC .02%/°C
86	UPM12-250D28	52	27		MP436	Vi 28VDC;Vo 12VDC;Io 250mA;TC .02%/°C;Line and Load Reg .02%.
87	UPM12-250D5	52	27		MP436	Vi 5VDC;Vo 12VDC;Io 250mA;TC .02%/°C;Line and Load Reg .02%.
88	UPM12-420D28	52	27		MP649	Pwr 5.0W;Vi 28V;Vo 12V;Io 420mA;Line And Load Reg .02%;Eff 60%;TC .02%/°C
89	UPM12-420D5	52	27		MP649	Pwr 5.0W;Vi 5.0V;Vo 12V;Io 420mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
90	UPM12-840D28	52	27		MP649	Pwr 10W;Vi 28V;Vo 12V;Io 840mA;Line And Load Reg .02%;Eff 51%;TC .02%/°C
91	UPM12-840D5	52	27		MP649	Pwr 10W;Vi 5.0V;Vo 12V;Io 840mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
92	UPM24-125D12	52	27		MP436	Vi 12VDC;Vo 24VDC;Io 125mA;TC .02%/°C;Line and Load Reg .02%.
93	UPM24-125D5	52	27		MP436	Vi 5VDC;Vo 24VDC;Io 125mA;TC .02%/°C;Line and Load Reg .02%.
94	UPM24-210D12	52	27		MP436b	Pwr 5.0W;Vi 12V;Vo 24V;Io 210mA;Line And Load Reg .02%;Eff 55%;TC .02%/°C
95	UPM24-210D5	52	27		MP436b	Pwr 5.0W;Vi 5.0V;Vo 24V;Io 210mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
96	UPM24-420D12	52	27		MP649	Pwr 10W;Vi 12V;Vo 24V;Io 420mA;Line And Load Reg .02%;Eff 48%;TC .02%/°C
97	UPM24-420D5	52	27		MP649	Pwr 10W;Vi 5.0V;Vo 24V;Io 420mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
98	UPM28-25D12	52	27		MP278a	Vi 12VDC;Vo 28VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
99	UPM28-25D5	52	27		MP278a	Vi 5VDC;Vo 28VDC;Io 25mA;TC .02%/°C;Line and Load Reg .02%.
100	UPM28-100D12	52	27		MP436	Vi 12VDC;Vo 28VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
101	UPM28-100D5	52	27		MP436	Vi 5VDC;Vo 28VDC;Io 100mA;TC .02%/°C;Line and Load Reg .02%.
102	UPM28-180D12	52	27		MP436b	Pwr 5.0W;Vi 12V;Vo 28V;Io 180mA;Line And Load Reg .02%;Eff 55%;TC .02%/°C
103	UPM28-180D5	52	27		MP436b	Pwr 5.0W;Vi 5.0V;Vo 28V;Io 180mA;Line And Load Reg .02%;Eff 50%;TC .02%/°C
104	UPM28-360D12	52	27		MP649	Pwr 10W;Vi 12V;Vo 28V;Io 360mA;Line And Load Reg .02%;Eff 48%;TC .02%/°C
105	UPM28-360D5	52	27		MP649	Pwr 10W;Vi 5.0V;Vo 28V;Io 360mA;Line And Load Reg .02%;Eff 58%;TC .02%/°C
106	V5R3	52	07	Z703	MP599	Vi 5.0V; Vo 3.0V;Outp Cur 90mAmax; Inp Cur 400mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
107	V5R5	52	07	Z703	MP599	Vi 5.0V; Vo 5.0V;Outp Cur 100mAmax; Inp Cur 400mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
108	V5R9	52	07	Z703	MP599	Vi 5.0V; Vo 9.0V;Outp Cur 90mAmax; Inp Cur 400mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
109	V5R12	52	07	Z703	MP599	Vi 5.0V; Vo 12V;Outp Cur 80mAmax; Inp Cur 400mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
110	V5R12-12	52	07	Z704	MP599	Vi 5.0V; Inp Cur 400mA max; Vo ±12V; Outp Cur 60mA max; Outp Ripple,Noise 30mVp-p max

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE (-+)	DRAWINGS CKT.	DRAWINGS OUTLINE Δ=MO	GENERAL DESCRIPTION
1	V5R12-5	52	07	Z704	MP599	Vi 5.0V; Inp Cur 400mA max; Vo 12,-5V; Outp Cur 60mA max; Outp Ripple,Noise 30mVp-p max
2	V5R15	52	07	Z703	MP599	Vi 5.0V; Vo 15V;Outp Cur 65mAmax; Inp Cur 400mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
3	V5R15-15	52	07	Z704	MP599	Vi 5.0V;Inp Cur 400mA max;Vo 15V; Outp Cur 65mA max; Outp Ripple and Noise 30mVp-p max
4	V12A12-12	52	07	Z705	MP599	Pwr 1.0W; Vi 12V; Vo ±12V; Output Cur 80mA; max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
5	V12A12-6	52	07	Z705	MP599	Pwr 1.0W; Vi 12V; Vo 12,-6V; Output Cur 80mA; max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
6	V12A15-15	52	07	Z705	MP599	Pwr 1.0W;Vi 5.0V;Vo ±15V;Output Cur 70mAmax;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
7	V12P5	52	07	Z703	MP599	Pwr 1.0W; Vi 12V; Vo 5.0V; Output Cur 200mA; max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
8	V12P12	52	07	Z703	MP599	Pwr 1.0W; Vi 12V; Vo 12V; Output Cur 80mA; max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
9	V12P12/12	52	07	Z706	MP599	Pwr 1.0W;Vi 12V;Vo 12,12V;Outp Cur 80mA max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
10	V12P15	52	07	Z703	MP599	Pwr 1.0W; Vi 12V; Vo 15V; Output Cur 70mA; max;Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
11	V12P15/15	52	07	Z706	MP599	Pwr 1.0W; Vi 12V; Vo 15,15V; Outp Cur 70mA max; Outp Ripple,Noise 50mVRMS,20Hz-20mHz BW
12	V12R3	52	07	Z703	MP599	Vi 12V; Vo 3.0V;Outp Cur 90mAmax; Inp Cur 200mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
13	V12R5	52	07	Z703	MP599	Vi 12V; Vo 5.0V;Outp Cur 100mAmax; Inp Cur 200mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
14	V12R9	52	07	Z703	MP599	Vi 12V; Vo 9.0V;Outp Cur 80mAmax; Inp Cur 200mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
15	V12R12	52	07	Z703	MP599	Vi 12V; Vo 12V;Outp Cur 65mAmax; Inp Cur 200mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
16	V12R12-12	52	07	Z704	MP599	Vi 12V; Inp Cur 200mA max; Vo ±12V; Outp Cur 60mA max; Outp Ripple,Noise 30mVp-p max
17	V12R12-5	52	07	Z704	MP599	Vi 12V; Inp Cur 200mA max; Vo 12,-5V; Outp Cur 60mA max; Outp Ripple,Noise 30mVp-p max
18	V12R15	52	07	Z703	MP599	Vi 12V; Vo 15V;Outp Cur 90mAmax; Inp Cur 200mA max; TC ±3.0mV/°C; Line,Load Reg ±.2%
19	V12R15-15	52	07	Z704	MP599	Vi 12V;Input Cur 200mA max;Vo 15V;Outp Cur 65mA max;Outp Ripple And Noise 30mVp-p max
20	VA12-6	52	07	Z705	MP599	Pwr 1.0W; Vi 5.0V; Vo13,-6.8Vmax; Inp Cur 400mA max; Outp Res 28,10Ω max;TC 6.0,4.0mVDC/°C
21	VA12-12	52	07	Z705	MP599	Pwr 1.0W; Vi 5.0V; Vo±13Vmax; Inp Cur 400mA max; Outp Res 28Ω max; TC 6.0mVDC/°C
22	VA15-15	52	07	Z705	MP599	Pwr 1.0W; Vi 5.0V; Vo±16Vmax; Inp Cur 400mA max; Outp Res 50Ω max; TC 7.0mVCD/°C
23	VP5	52	07	Z703	MP599	Pwr 1.0W; Vi 5.0V; Vo 5.0V; Output Cur 200mA max; Line Reg ±.2%;Isol 10MΩ,50V; Eff 50%min
24	VP10	52	07	Z703	MP599	Pwr 1.0W; Vi 5.0V; Vo 10V; Output Cur 100mA max; Line Reg ±.2%;Isol 10MΩ,50V; Eff 50%min
25	VP12	52	07	Z703	MP599	Pwr 1.0W; Vi 5.0V; Vo 12V; Output Cur 80mA max; Line Reg ±.2%;Isol 10MΩ,50V; Eff 50%min
26	VP12/12	52	07	Z706	MP599	Pwr 1.0W; Vi 5.0V; Vo 12V,12V; Output Cur 80mA max; Line Reg ±.2%;Isol 10MΩ,50V; Eff50%min
27	VP15	52	07	Z703	MP599	Pwr 1.0W; Vi 5.0V; Vo 15V; Output Cur 70mA max; Line Reg ±.2%;Isol 10MΩ,50V; Eff 50%min
28	VP15/15	52	07	Z706	MP599	Pwr 1.0W; Vi 5.0V; Vo 15,15V; Output Cur 70mA max; Line Reg ±.2%;Isol 10MΩ,50V; Eff 50%min
29	9665D	54		Z654	MP178b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
30	9665DC	54	08	Z654a	MP178b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
31	9665P	54		Z654	MP177c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
32	9665PC	54	08	Z654a	MP177c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
33	9666D	54		Z654	MP178b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
34	9666DC	54	08	Z654b	MP178b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
35	9666P	54		Z654	MP177c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
36	9666PC	54	08	Z654b	MP177c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
37	9667D	54		Z654	MP178b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
38	9667DC	54	08	Z654c	MP178b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
39	9667P	54		Z654	MP177c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
40	9667PC	54	08	Z654c	MP177c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
41	9668DC	54	08	Z654d	MP178b	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
42	9668PC	54	08	Z654d	MP177c	Hi Voltage Hi Current Darlington Drivers;7 NPN Dar Transistor Pairs;VCE 50V;IC 350mA
43	CA3018⧄	54	5C	Z007	CN18	1 Darl;2TR;Veb 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 30*;ft 300MHz*.
44	CA3018A⧄	54	5C	Z007	CN18	1 Darl;2TR;Veb 5.0VΔ;BVCBO 30VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 60*;ft 300MHz*.
45	CA3018H	54	5C	Z007	CH16c	1 Darl;2TR;VEBO 5.0VΔ;BVCBO 2.0VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 30*.
46	CA3018L	54	5C	Z007	CH18	1 Darl;2TR;VEBO 5.0VΔ;BVCBO 2.0VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 30*.
47	CA3036	54	5C	Z009	CN17h	2 Darl.pairs;BVEBO 5.0VΔ;BVCBO 30VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hfe 82;fT 200MHz.
48	CA3045	54	5C	Z010	MP3	5TR;BVEBO 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 40*;ICBO 40nAΔ.
49	CA3045H	54	5C	Z010	CH16c	5TR;VEB 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 110†.
50	CA3045L	54	5C	Z010	CH18	5TR;VEB 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 110†.
51	CA3046	54	08	Z010	TO116	5TR;BVEBO 5.0VΔ;BVCBO 20VΔ;BVCEO 15VΔ;Ic 50mAΔ;Pd 300mWΔ;hFE 40*;ICBO 40nAΔ.
52	CA3049H*	54	5C	Z008a	CH16m	6NPN Trans;BVCBO 20VΔ;BVCEO 15V;BVEBO 5.0V;IC 50mA;Pd 600mWΔ;ft 1.3GHz.
53	CA3049L*	54	5C	Z008a	CH18	6NPN Trans;BVCBO 20VΔ;BVCEO 15V;BVEBO 5.0V;IC 50mA;Pd 600mWΔ;ft 1.3GHz.
54	CA3054⧄*	54	48	Z663b	MP307a	Dual Differential Amp;BVcbo 20V*;BVceo 15V*;BVebo 5.0V*;Ic 50mAΔ
55	CA3081	54	48	Z161	Δ001AC	7NPN Trans;Pd 750mW;BVCBO 20V;BVCEO 24V;BVEBO 6.9V;hFE 68,IC 30mA.
56	CA3081H	54	48	Z161	CH16u	7 NPN TRANS;Pd 750mW;BVCBO 20V;BVCEO 24V;BVEBO 6.9V;hFE 68;IC 30mA.
57	CA3082	54	48	Z162	Δ001AC	7NPN Trans;Pd 750mW;BVCBO 20V;BVCEO 24V;BVEBO 6.9V;hFE 68,IC 30mA.
58	CA3082H	54	48	Z162	CH16u	7 NPN TRANS;Pd 750mW;BVCBO 20V;BVCEO 24V;BVEBO 6.9V;hFE 68;IC 30mA.
59	CA3083	54	48	Z163	Δ001AC	5NPN Trans;Pd 750mW;BVCBO 60V;BVCEO 24V;BVEBO 6.9V;hFE 76;IC 10mA.
60	CA3083H	54	48	Z163	CH16u	5NPN Trans;Pd 750mW;BVCBO 60V;BVCEO 24V;BVEBO 6.9V;hFE 76;IC 10mA.
61	CA3083L	54	48	Z163		5 NPN Trans;Pd 750mW;BVCBO 60V;BVCEO 24V;BVEBO 6.9V;hFE 76;IC 10mA
62	CA3084	54	48	Z261	Δ001AB	PNP Array;1 Darl;1 current mirror;2 PNP TR;VCBO 80V†;VCEO 70V†;VEBO 100V†.
63	CA3084H	54	48	Z261	CH16v	PNP Array;1 Darl;1 current mirror;2 PNP TR;VCBO 80V†;VCEO 70V†;VEBO 100V†.
64	CA3084L	54	48	Z261	CH17	PNP Array;1 Darl;1 current mirror;2 PNP TR;VCBO 80V†;VCEO 70V†;VEBO 100V†.
65	CA3086⧄	54	48	Z164	Δ001AB	3NPN TR;Pd 750mW;BVCBO 60V;BVCEO 24V;BVEBO 7.0V;hFE 100;IC 1.0mA.
66	CA3086F	54	48	Z164	Δ001AD	3 NPN Trans;Pd 750mW;BVCBO 60V;BVCEO 24V;BVEBO 7.0V;hFE 100;IC 1.0mA
67	CA3093E	54	48	Z194	Δ001AC	Transistor-Zener Diode-Diode Array;Pd 750mW;BVCBO 20V;IC 100mA;Iz 35mA.
68	CA3093H	54	48	Z194	CH16u	Transistor-Zener Diode-Diode Array;Pd 750mW;BVCBO 20V;IC 100mA;Iz 35mA.
69	CA3095E	54	5C	Z262	Δ001AC	Super Beta Array;VCBO 6.0V;VEBO 8.0V†;hFE 5000;VBE .68V;fT 320MHz.
70	CA3095H	54	5C	Z262	CH⧄	Super Beta Array;VCBO 6.0V;VEBO 8.0V†;hFE 5.0k;VBE 680mV;ft 320MHz
71	CA3096AE	54	5C	Z263	Δ001AC	3NPN;2PNP;NPN VCEO 35V;PNP VCEO 40V;NPN VCBO 45V;PNP VCBO 40V;NPN VEBO 6.0V;PNP VEBO 40V.
72	CA3096E	54	5C	Z263	Δ001AC	3NPN;2PNP;NPN VCEO 35V;PNP VCEO 40V;NPN VCBO 45V;PNP VCBO 40V;NPN VEBO 6.0V;PNP VEBO 40V.
73	CA3096H	54	5C	Z263	CH⧄	3 NPN;2 PNP;NPN VCEO 35V;PNP VCEO 40V;NPN VCBO 45V;PNP VCBO 40V;NPN VEBO 6.0V;PNP VEBO 40V
74	CA3097E	54	5C	Z281	Δ001AC	Thyristor/Trans.Array;Pd 500mWΔ;BVCBO 50VΔ;BVEBO 5.0VΔ;BVCEO 30VΔ;IC 100mAΔ;tr 60ns.
75	CA3097H	54	5C	Z281	CH⧄	Thyristor/Trans Array;Pd 500mWΔ;BVCBO 50VΔ;BVEBO 5.0VΔ;BVCEO 30VΔ;IC 100mAΔ;tr 60ns
76	CA3118AT	54	5C	Z007	Δ006AG	4 tran;Pt 450mW;BVCBO 50V;BVCEO 40V;BVEBO 5.0V;Ic 50mA;hFE 100†.
77	CA3118H	54	5C	Z007	CH16c	4 TRAN;Pt 450mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 50mA;hFE 100†.
78	CA3118T	54	5C	Z007	Δ006AG	4 tran;Pt 450mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 50mA;hFE 100†.
79	CA3127E	54	5C	Z447	Δ001AC	High Freq NPN;Freq 500MHz;fT 1GHz min;VCEO 15V;VCBO 20V;IC 20mA.
80	CA3138G	54	5C	Z511	Δ001AB	4NPN Tran;Pt2.0W;BVcbo 20V;Vceo 15V;BVebo 5.0V;Ic 1.0AΔ
81	CA3146AE	54	48	Z010	Δ001AB	5 tran;Pt 750mW;BVCBO 50V;BVCEO 40V;BVEBO 5.0V;IC 50mA;hFE 100†.
82	CA3146E	54	48	Z010	Δ001AB	5 tran;Pt 750mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 50mA;hFE 100†.
83	CA3146H	54	48	Z010	CH16c	5 TRAN;Pt 750mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 50mA;hFE 100†.
84	CA3183AE	54	48	Z163	Δ001AC	5 tran;Pt 750mW;BVCBO 50V;BVCEO 40V;BVEBO 5.0V;IC 75mA;hFE 40*.
85	CA3183E	54	48	Z163	Δ001AC	5 tran;Pt 750mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 75mA;hFE 40*.
86	CA3183H	54	48	Z163	CH16u	5 Trans;Pt 750mW;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 75mA;hFE 40*.
87	CA3600E	54	5C	Z448	Δ001AB	3P Type,3N Type MOS FETS;Ri 100GΩ;Gain 53dB;Pd 750mW for package.
88	CA3724G	54	5C	Z511	Δ001AB	NPN;Pd 2.0WΔ;IC 1.0Δ;VCEO 40VΔ;VCBO 70VΔ;VEBO 6.0VΔ;hFE 35*,IC 100mA,VCE 1.0V.
89	CA3725G	54	5C	Z511	Δ001AB	NPN;Pd 2.0WΔ;IC 1.0Δ;VCEO 50VΔ;VCBO 80VΔ;VEBO 6.0VΔ;hFE 35*,IC 100mA,VCE 1.0V.
90	IT401AJE	54		Z782	MP104g	Quad Comb Varactor Diode-N Chan JFET(Charact of 2N4391);Analog Gate ON Resistance 50ohms
91	IT401JE	54		Z782	MP104g	Quad Comb Varactor Diode-N Chan JFET(Charact of 2N4391);Analog Gate ON Resistance 30ohms
92▼	IT404	54	6K	Z997		Log/Antilog Transistor Array;hfe 100;Vcb 20VΔ;Vce 20VΔ;Veb 5.0VΔ;Ic 20mAΔ;Pt 600mW
93	IT500	54	5C	Z780	TO51	Dual N Chan Cascode JFET;Matching Charact:VGS1-VGS2 5mVmax,Δ(VGS1-VGS2)/ΔT 5uV/°C max
94	IT500P	54	5C	Z781	MP161b	Dual N Chan Cascode JFET;Matching Charact:VGS1-VGS2 5mVmax,Δ(VGS1-VGS2)/ΔT 5uV/°C max
95	IT501	54	5C	Z780	TO51	Dual N Chan Cascode JFET;Matching Charact:VGS1-VGS2 5mVmax,Δ(VGS1-VGS2)/ΔT 10uV/°C max
96	IT501P	54	5C	Z781	MP161b	Dual N Chan Cascode JFET;Matching Charact:VGS1-VGS2 5mVmax,Δ(VGS1-VGS2)/ΔT 10uV/°C max
97	IT502	54	5C	Z780	TO51	Dual N Chan Cascode JFET;Matching Charact:VGS1-VGS2 10mVmax,Δ(VGS1-VGS2)/ΔT 20uV/°C max
98	IT502P	54	5C	Z781	MP161b	Dual N Chan Cascode JFET;Matching Charact:VGS1-VGS2 10mVmax,Δ(VGS1-VGS2)/ΔT 20uV/°C max
99	IT503	54	5C	Z780	TO51	Dual N Chan Cascode JFET;Matching Charact:VGS1-VGS2 15mVmax,Δ(VGS1-VGS2)/ΔT 40uV/°C max
100	IT503P	54	5C	Z781	MP161b	Dual N Chan Cascode JFET;Matching Charact:VGS1-VGS2 15mVmax,Δ(VGS1-VGS2)/ΔT 40uV/°C max
101#	L201	54	08	Z807	MP104e	7 NPN Si Darl,Compatible W/DTL,TTL,PMOS,CMOS;Vo 50Vmax;Ic 500mAmax;Pd 1.8Wmax
102#	L202	54	08	Z807a	MP104e	7 NPN Si Darl,Compatible W/14-25V PMOS;Vo 50V max;Ic 500mA max;Pd 1.8 W max
103#	L203	54	08	Z807b	MP104e	7 NPN Si Darl,Compatible W/5V TTL or CMOS;Vo 50Vmax;Ic 500mAmax;Pd 1.8Wmax
104	LM194H*	54	5C	Z826	CN1v	2 Isol NPN Tran/Diode Array;Vcb 40VΔ;Vce 40VΔ;Ic 20mAΔ;Pd 500mWΔ;hFE 500* at IC 1.0mA
105	LM195H	54	5F	Z827	CN40	Multiple Power Trans;Pd Internally Lim;Ic Internally Lim;Vce 42VΔ;Vcb 42VΔ;Vbe Vf 42VΔ
106	LM195K	54	5F	Z827	TO3	Multiple Power Trans;Pd Internally Lim;Ic Internally Lim;Vce 42VΔ;Vcb 42VΔ;Vbe Vf 42VΔ
107	LM295H	54	2F	Z827	CN40	Multiple Power Trans;Pd Internally Lim;Ic Internally Lim;Vce 42VΔ;Vcb 42VΔ;Vbe Vf 42VΔ
108	LM295K	54	2F	Z827	TO3	Multiple Power Trans;Pd Internally Lim;Ic Internally Lim;Vce 42VΔ;Vcb 42VΔ;Vbe Vf 42VΔ
109	LM394H*	54	28	Z826	CN1v	2 Isol NPN Tran/Diode Array;Vcb 40VΔ;Vce 40VΔ;Ic 20mAΔ;Pd 500mWΔ;hfe 300* at IC 1.0mA
110	LM395H	54	0C	Z827	CN40	Multiple Power Trans;Pd Internally Lim;Ic Internally Lim;Vce 36VΔ;Vcb 36VΔ;Vbe 36VΔ

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE △=MO	GENERAL DESCRIPTION
1	LM395K	54	0C	Z827	TO3	Multiple Power Trans;Pd Internally Lim;Ic Internally Lim;Vce 36V△;Vcb 36V△;Vbe 36V△
2	LM395T	54	0C	Z827	Y220b	Multiple Power Trans;Pd Internally Lim;Ic Internally Lim;Vce 36V△;Vcb 36V△;Vbe 36V△
3	LM3018AH	54	5C	Z007	CN18d	4 Trans;2 Darl;BVCBO 30V△;BVCEO 15V△;BVEBO 5.0V△;IC 50mA.
4	LM3018H	54	5C	Z007	CN18d	4 Trans;2 Darl;BVCBO 20V△;BVCEO 15V△;BVEBO 5.0V△;IC 50mA.
5	LM3045D	54	5C	Z010	MP490	5 Trans;VEBO 5.0V△;BVCBO 20V△;BVCEO 15V△;hFE 100*;ft 300m†;Pd 750mW.
6	LM3046N	54	07	Z010	MP39n	5 Trans;VEBO 5.0V△;BVCBO 20V△;BVCEO 15V△;hfe 100*;ft 300m†;Pd 750mW.
7	LM3086N	54	07	Z010	MP39n	5 Trans;VEBO 5.0V△;BVCBO 60V;BVCEO 24V△;hFE 100*;ft 550M†.
8	LM3118AH	54	5C	Z843	CN18d	4 High Volt Trans,2 Darl;BVceo 40V*;BVcbo 50V*;BVebo 5.0V*;IC 50mA△;hFE 30*,Matched ±10%
9	LM3118H	54	5C	Z843	CN18d	4 High Volt Trans,2 Darl;BVceo 30V*;BVcbo 40V*;BVebo 7.0V*;IC 50mA△;hFE 100*,Matched ±10%
10	LM3146AN	54	48	Z573	MP39n	5 High Volt Trans,BVceo 40V*;BVcbo 50V*;BVebo 5.0V*;IC 50mA△;hFE 30*;VBE Matched ±5.0mV
11	LM3146N	54	48	Z573	MP39n	5 High Volt Trans,BVceo 30V*;BVcbo 72V*;BVebo 5.0V*;IC 50mA△;hFE 30*;VBE Matched ±5.0mV
12#	M5106P§	54	27	C062	MP55	2Trn. and 1.0W Po Audio Power Amplifier.
13#	M5109P*	54	27	Z008	MP14j	Dual Differential Amp. and Diode;BVCBO 20V△;BVCEO 15V△;Ic 50mA△;Pd 300mW△.
14	JANM38510/10801AAA	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
15	JANM38510/10801AAB	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
16	JANM38510/10801AAC	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
17	JANM38510/10801ACA	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
18	JANM38510/10801ACB	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
19	JANM38510/10801ACC	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
20	JANM38510/10801ADA	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
21	JANM38510/10801ADB	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
22	JANM38510/10801ADC	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
23	JANM38510/10801AMA	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
24	JANM38510/10801AMB	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
25	JANM38510/10801AMC	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
26	JANM38510/10801BAA	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
27	JANM38510/10801BAB	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
28	JANM38510/10801BAC	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
29	JANM38510/10801BCA	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
30	JANM38510/10801BCB	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
31	JANM38510/10801BCC	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
32	JANM38510/10801BDA	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
33	JANM38510/10801BDB	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
34	JANM38510/10801BDC	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
35	JANM38510/10801BMA	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
36	JANM38510/10801BMB	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
37	JANM38510/10801BMC	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
38	JANM38510/10801CAA	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
39	JANM38510/10801CAB	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
40	JANM38510/10801CAC	54	5C	Z708a	FP24d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
41	JANM38510/10801CCA	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
42	JANM38510/10801CCB	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
43	JANM38510/10801CCC	54	5C	Z708a	MP315	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 400mW△;Darl VBE 1.5V△
44	JANM38510/10801CDA	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
45	JANM38510/10801CDB	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
46	JANM38510/10801CDC	54	5C	Z708a	FP25	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
47	JANM38510/10801CMA	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
48	JANM38510/10801CMB	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
49	JANM38510/10801CMC	54	5C	Z708	CN18d	2 Isol NPN Trans,1 NPN Darl Pair; V(BR)CBO 40V△;V(BR)CEO 15V△;Pd 350mW△;Darl VBE 1.5V△
50	JANM38510/10802AAA	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△
51	JANM38510/10802AAB	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△
52	JANM38510/10802AAC	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△
53	JANM38510/10802ACA	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 400mW△;VBEQ1/2 2mV△
54	JANM38510/10802ACB	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 400mW△;VBEQ1/2 2mV△
55	JANM38510/10802ACC	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 400mW△;VBEQ1/2 2mV△
56	JANM38510/10802ADA	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△
57	JANM38510/10802ADB	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△
58	JANM38510/10802ADC	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△
59	JANM38510/10802BAA	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△
60	JANM38510/10802BAB	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△
61	JANM38510/10802BAC	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40V△;V(BR)CEO15V△;Pd 350mW△;VBEQ1/2 2mV△

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TE CO MD PE -+	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	JANM38510/10802BCA	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
2	JANM38510/10802BCB	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
3	JANM38510/10802BCC	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
4	JANM38510/10802BDA	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
5	JANM38510/10802BDB	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
6	JANM38510/10802BDC	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
7	JANM38510/10802CAA	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
8	JANM38510/10802CAB	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
9	JANM38510/10802CAC	54	5C	Z709	FP24d	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
10	JANM38510/10802CCA	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
11	JANM38510/10802CCB	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
12	JANM38510/10802CCC	54	5C	Z709	MP315	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 400mWΔ;VBEQ1/2 2mVΔ
13	JANM38510/10802CDA	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
14	JANM38510/10802CDB	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
15	JANM38510/10802CDC	54	5C	Z709	FP25	3 Isol NPN Trans,1 NPN Diff Connect Pair;V(BR)CBO 40VΔ;V(BR)CEO15VΔ;Pd 350mWΔ;VBEQ1/2 2mVΔ
16	MC3346P	54	08	Z573	MP307	5 Trans,Pt 1.2WΔ;VCBO 20V;VCEO 15V;IC 50mAΔ;hFE 60*;ft 300MHz*
17	MC3386P	54	08	Z573	MP307	5 Trans,Pt 1.2WΔ;VCBO 20V;VCEO 15V;IC 50mAΔ;hFE 40*;ft 550MHz†
18	MC3416L	54		Z574	MP559a	4x4x2 Crosspoint Switch,Ron 6.0Ω;Roff 100MΩ;Breakdown Voltage 30V†
19	MC3416P	54		Z574	MP559	4x4x2 Crosspoint Switch,Ron 6.0Ω;Roff 100MΩ;Breakdown Voltage 30V†
20	MHQ918	54	6M	Z511	TO116	Quad Freq Amp;Pd 1.9WΔ;VCEO 15VΔ;VCB 30VΔ;VEB 3.0VΔ;IC 50mAΔ;fT 850MHz.
21	MHQ2483	54	6M	Z511	TO116	NPN Quad Amp;Pd 1.8WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 6.0VΔ;IC 50mAΔ;hFE100*,IC .1mA,VCE 5V.
22	MHQ2484	54	6M	Z511	TO116	NPN Quad Amp;Pd 1.8WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 6.0VΔ;Ic 50mAΔ;hFE 200*,Ic .1mA,VCE 5V,NF 2db
23	MHQ3798	54	6M	Z512	TO116	PNP Quad Amp;Pd 1.5WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 100*,IC 10uA,VCE 5V.
24	MHQ3799	54	6M	Z512	TO116	PNP Quad Amp;Pd 1.5WΔ;VCEO 60VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 225*,IC 10uA,VCE 5V.
25	MHQ6001	54	6M	Z513	TO116	Quad Compl Pair;Pd 1.9WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 300mAΔ;hFE 25*,IC 1.0mA,VCE 10V.
26	MHQ6002	54	6M	Z513	TO116	Quad Compl Pair;Pd 1.9WΔ.VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 300mAΔ;hFE 50*,IC 1.0mA,VCE 10V.
27	MHQ6100	54	6M	Z513	TO116	Quad Compl Pair;Pd 1.5WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 50*,IC 100uA,VCE 5V.
28	MHQ6100A	54	6M	Z513	TO116	Quad Compl Pair;Pd 1.5WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;Ic 50mAΔ;hFE 100*,Ic 100uA,VCE 5V
29	MPQ918	54	5F	Z511	TO116	NPN Quad Freq Amp;Pd 1.2WΔ;VCEO 15VΔ;VCB 30VΔ;VEB 3.0VΔ;IC 50mAΔ;fT 850MHz.
30	MPQ2001	54	5F	Z514	MP307	2 Bipolar,2 J-FET;Pd 900mWΔ;VCEO 35VΔ;VCB 50VΔ;VDS 20VΔ;VDG 20VΔ;fT 250MHz;ton 25ns.
31	MPQ2221	54	5F	Z511	MP307	NPN Quad;Pd 1.25WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 35Δ,IC 10mA,VCE 10V.
32	MPQ2221N	54	5F	Z511	MP307	NPN Quad;Pd 1.25WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 35Δ,IC 10mA,VCE 10V.
33	MPQ2222	54	5F	Z511	MP307	NPN Quad;Pd 1.25WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 75Δ,IC 10mA,VCE 10V.
34	MPQ2222N	54	5F	Z511	MP307	NPN Quad;Pd 1.25WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 75Δ,IC 10mA,VCE 10V.
35	MPQ2483	54	5F	Z511	MP307	Quad Amp;Pd 900mWΔ;VCEO 40VΔ;VCB 60VΔ;VEB 6.0VΔ;IC 50mAΔ;hFE 150,IC .1mA,VCE 5.0V.
36	MPQ2483-1	54	5F	Z511	MP307	Quad NPN Trans Amp;VCEO 40V,VCB 60VΔ;IC 50mAΔ;Matching Q-Q4,Q2-Q3
37	MPQ2483-2	54	5F	Z511	MP307	Quad NPN Trans Amp;VCEO 40V,VCB 60VΔ;IC 50mAΔ;Matching Q-Q4,Q2-Q3
38	MPQ2484	54	5F	Z511	MP307	Quad Amp;Pd 900mWΔ;VCEO 40VΔ;VCB 60VΔ;VEB 6.0VΔ;IC 50mAΔ;hFE 300,IC .1mA,VCE 5.0V.
39	MPQ2484-1	54	5F	Z511	MP307	Quad NPN Trans Amp;VCEO 40V,VCB 60VΔ;IC 50mAΔ;Matching Q-Q4,Q2-Q3
40	MPQ2484-2	54	5F	Z511	MP307	Quad NPN Trans Amp;VCEO 400,VCB 60VΔ;IC 50mAΔ;Matching Q-Q4,Q2-Q3
41	MPQ2906	54	5F	Z512	MP307	PNP Quad;Pd 1.25WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 600mAΔ;hFE 35*,IC 10mA,VCE 10V.
42	MPQ2906N	54	5F	Z512	MP307	PNP Quad;Pd 1.25WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 600mAΔ;hFE 35*,IC 10mA,VCE 10V.
43	MPQ2907	54	5F	Z512	MP307	PNP Quad;Pd 1.25WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 600mAΔ;hFE 75*,IC 10mA,VCE 10V.
44	MPQ2907N	54	5F	Z512	MP307	PNP Quad;Pd 1.25WΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 600mAΔ;hFE 75*,IC 10mA,VCE 10V.
45	MPQ3798	54	5F	Z512	MP307	PNP Quad Amp;Pd 900mWΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 100*,IC 10uA,VCE 5V.
46	MPQ3798-1	54	5F	Z512	MP307	Quad PNP Trans Amp;VCEO 40V;VCB 60VΔ;IC 50mAΔ;Matching Q1-Q4,Q2-Q3
47	MPQ3798-2	54	5F	Z512	MP307	Quad PNP Trans Amp;VCEO 40V;VCB 60VΔ;IC 50mAΔ;Matching Q1-Q4,Q2-Q3
48	MPQ3799	54	5F	Z512	MP307	PNP Quad Amp;Pd 900mWΔ;VCEO 60VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 225*,IC 10uA,VCE 5V.
49	MPQ3799-1	54	5F	Z512	MP307	Quad PNP Trans Amp;VCEO 60V;VCB 60VΔ;IC 50mAΔ;Matching Q1-Q4,Q2-Q3
50	MPQ3799-2	54	5F	Z512	MP307	Quad PNP Trans Amp;VCEO 60V;VCB 60VΔ;IC 50mAΔ;Matching Q1-Q4,Q2-Q3
51	MPQ3904	54	5F	Z511	TO116	NPN Quad Amp/SW;Pd900mWΔ;VCEO40VΔ;VCB60VΔ;VEB 6.0VΔ;IC200mAΔ;fT300MHz;ton37ns;toff 136ns.
52	MPQ3906	54	5F	Z512	TO116	PNP Quad Amp/SW;Pd900mWΔ;VCEO40VΔ;VCB40VΔ;VEB 5.0VΔ;IC200mAΔ;fT250MHz;ton43ns;toff 155ns.
53	MPQ6001	54	5F	Z513	MP307	Quad Compl Pair;Pd 1.25WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 25*,IC 1.0mA,VCE 10V
54	MPQ6001N	54	5F	Z513	MP307	Quad Compl Pair;Pd 1.25WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 25*,IC 1.0mA,VCE 10V
55	MPQ6002	54	5F	Z513	MP307	Quad Compl Pair;Pd 1.25WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 50*,IC 1.0mA,VCE 10V
56	MPQ6002N	54	5F	Z513	MP307	Quad Compl Pair;Pd 1.25WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 50*,IC 1.0mA,VCE 10V
57	MPQ6100	54	5F	Z513	MP307	Quad Compl Pair;Pd 500mWΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 50*,IC 100uA,VCE 5V.
58	MPQ6100A	54	5F	Z513	MP307	Quad Compl Pair;Pd 900mWΔ;VCEO 45VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 100*,IC 100uA,VCE 5V
59	MPQ6426	54	5F	Z516	MP307	Quad Darl;Pd 900mWΔ;VCEO 30VΔ;VCB 40VΔ;VEB 12VΔ;IC 500mAΔ;fT 125MHz*;Cob 8.0pFΔ.
60	MPQ6427	54	5F	Z516	MP307	Quad Darl;Pd 900mWΔ;VCEO 40VΔ;VCB 50VΔ;VEB 12VΔ;IC 500mAΔ;fT 125MHz*;Cob 8.0pFΔ.
61	MPQ6501	54	5F	Z515	MP307	Quad Compl Pair;Pd 1.25WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 25*,IC 1.0mA,VCE 10V
62	MPQ6501N	54	5F	Z515	MP307	Quad Compl Pair;Pd 1.25WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 25*,IC 1.0mA,VCE 10V
63	MPQ6502	54	5F	Z515	MP307	Quad Compl Pair;Pd 1.25WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 50*,IC 1.0mA,VCE 10V
64	MPQ6502N	54	5F	Z515	MP307	Quad Compl Pair;Pd 1.25WΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 50*,IC 1.0mA,VCE 10V
65	MPQ6600	54	5F	Z515	MP307	Quad Compl Pair;Pd 500mW;VCEO 40VΔ;VCB60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 50*,IC 100uA,VCE 5V.
66	MPQ6600-1	54	5F	Z515	MP307	Quad Compl Pair;VCEO 40V;VCB 60VΔ;IC 50mAΔ;Matching Compl Q1-Q4,Q2-Q3
67	MPQ6600-2	54	5F	Z515	MP307	Quad Compl Pair;VCEO 40V;VCB 60VΔ;IC 50mAΔ;Matching Compl Q1-Q4,Q2-Q3
68	MPQ6600A1	54	5F	Z515	MP307	Quad Compl Pair;VCEO 45V;VCB 60VΔ;IC 50mAΔ;Matching Compl Q1-Q4,Q2-Q3
69	MPQ6600A2	54	5F	Z515	MP307	Quad Compl Pair;VCEO 45V;VCB 60VΔ;IC 50mAΔ;Matching Compl Q1-Q4,Q2-Q3
70	MPQ6600A	54	5F	Z515	MP307	Quad Compl Pair;Pd 900mW;VCEO 45VΔ;VCB60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 100*,IC 100uA,VCE 5V.
71	MPQ6700	54	5F	Z515	MP307	Quad Compl Pair;Pd 900mWΔ;VCEO 40VΔ;VCB 40VΔ;VEB 5.0VΔ;IC 200mA;fT 200MHz*;Cob 4.5pFΔ.
72	MPQ7041	54	5F	Z511	MP307	Quad;Pd 1.7WΔ;VCEO 150VΔ;VCB 150VΔ;VEB 5.0VΔ;IC 500mAΔ;ICBO 100nA,VCB 120V;IE 0.0
73	MPQ7042	54	5F	Z511	MP307	Quad;Pd 1.7WΔ;VCEO 200VΔ;VCB 200VΔ;VEB 5.0VΔ;IC 500mAΔ;ICBO 100nA,VCB 150V;IE 0.0
74	MPQ7043	54	5F	Z511	MP307	Quad;Pd 1.7WΔ;VCEO 250VΔ;VCB 250VΔ;VEB 5.0VΔ;IC 500mAΔ;ICBO 100nA,VCB 180V;IE 0.0
75	MPQ7051	54	5F	Z511	MP307	Quad Compl Pair;Pd 1.7WΔ;VCEO 150VΔ;VCB 150VΔ;IC 500mAΔ;ICBO 250nA,VCB 120V;IE 0.0
76	MPQ7052	54	5F	Z511	MP307	Quad Compl Pair;Pd 1.7WΔ;VCEO 200VΔ;VCB 200VΔ;IC 500mAΔ;ICBO 250nA,VCB 150V;IE 0.0
77	MPQ7053	54	5F	Z511	MP307	Quad Compl Pair;Pd 1.7WΔ;VCEO 250VΔ;VCB 250VΔ;IC 500mAΔ;ICBO 250nA,VCB 180V;IE 0.0
78	MPQ7091	54	5F	Z512	MP307	Quad;Pd 1.7WΔ;VCEO 150VΔ;VCB 150VΔ;VEB 5.0VΔ;IC 500mAΔ;ICBO 250nAΔ,VCB 120V;IE 0.0
79	MPQ7092	54	5F	Z512	MP307	Quad;Pd 1.7WΔ;VCEO 200VΔ;VCB 200VΔ;VEB 5.0VΔ;IC 500mAΔ;ICBO 250nAΔ,VCB 150V;IE 0.0
80	MPQ7093	54	5F	Z512	MP307	Quad;Pd 1.7WΔ;VCEO 250VΔ;VCB 250VΔ;VEB 5.0VΔ;IC 500mAΔ;ICBO 250nAΔ,VCB 180V;ie 0.0
81	MQ930	54	6K	Z511	FP24b	NPN Multiple;Pd 600mWΔ;VCEO45VΔ;VCB 60VΔ;VEB 6.0VΔ;IC 30mAΔ;hFE 120,IC 100uA,VCE 5V.
82	MQ982	54	6K	Z512	FP24b	PNP Quad;Pd 600mWΔ;VCEO 50VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 600mAΔ;hFE 50,IC 100uA,VCE 10V.
83	MQ1120	54	6K	Z511	FP24b	NPN Multiple;Pd 625mWΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 40,IC 10uA,VCE 10V.
84	MQ1129	54	6K	Z511	FP24b	NPN Multiple;Pd 625mWΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 120,IC 1.0mA,VCE 10V.
85	MQ2218	54	6K	Z511	FP24b	NPN Multiple;Pd 625mWΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 50,IC 100uA,VCE 10V.
86	MQ2219A	54	6K	Z511	FP24b	NPN Multiple;Pd 625mWΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 45,IC 100uA,VCE 10V.
87	MQ2369	54		Z455	FP24b	4 NPN Trans;Pd 600mW;BVCBO 40V*;BVCEO 15V*;BVEBO 5V*;hFE 95†;Ic 500mAΔ.
88	MQ2484	54	6K	Z511	FP24b	NPN Multiple;Pd 600mWΔ;VCEO 60VΔ;VCB 60VΔ;VEB 6.0VΔ;IC 30mAΔ;hFE 250,IC 100uA,VCE 5V.
89	MQ2904	54	6K	Z512	FP24b	PNP Multiple;Pd 625mWΔ;VCEO 40VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 600mAΔ;hFE 50,IC 100uA,VCE 10V.
90	MQ2905A	54	6K	Z512	FP24b	PNP Multiple;Pd 625mWΔ;VCEO 60VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 600mAΔ;hFE 150,IC 100uA,VCE 10V.
91	MQ3251	54	6K	Z512	FP24b	PNP Multiple;Pd 625mWΔ;VCEO 40VΔ;VCB 50VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 170,IC 100uA,VCE 5.0V.
92	MQ3467	54	6K	Z512	FP24b	PNP Multiple;Pd 650mWΔ;VCEO 40VΔ;VCB 40VΔ;VEB 5.0VΔ;IC 1.5AΔ;hFE 20*,IC 500mA,VCE 1.0V.
93	MQ3725	54	6K	Z511	FP24b	NPN Multiple;Pd 650mWΔ;VCEO 40VΔ;VCB 65VΔ;VEB 6.0VΔ;IC 1.0AΔ;hFE 50*,IC 100mA,VCE 1.0V.
94	MQ3798	54	6K	Z512	FP24b	PNP Multiple;Pd 600mWΔ;VCEO 60VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 200*,IC 100uA,VCE 5.0V.
95	MQ3799	54	6K	Z512	FP24b	PNP Multiple;Pd 600mWΔ;VCEO 60VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 375,IC 100uA,VCE 5.0V.

LINE No.	[2] TYPE No.	[1] USE	TECODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	MQ3799A	54	6K	Z512	FP24b	PNP Multiple;Pd 600mWΔ;VCEO 60VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 375,IC 100uA,VCE 5.0V.
2	MQ6001	54	6K	Z517	FP24b	Multiple;Pd 625mWΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 80,IC100uA,VCE 10V.
3	MQ6002	54	6K	Z517	FP24b	Multiple;Pd 625mWΔ;VCEO 30VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 500mAΔ;hFE 70,IC 100uA,VCE 10V.
4	MQ6100	54	6K	Z517	FP24b	Multiple;Pd 600mWΔ;VCEO 45VΔ;VCB 60VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 50*,IC 10uA,VCE 5.0V.
5	MQ7001	54		Z455	FP24b	4 PNP Trans;Pd 600mW,BVCBO 50V*;BVCEO 30V*;BVEBO 5V*;hFE 90†;Ic 600mAΔ.
6	MQ7003	54	6K	Z511	FP24b	NPN Dual;Pd 600mWΔ;VCEO 40VΔ;VCB 50VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 350,IC 100uA,VCE 10V.
7	MQ7004	54	6K	Z511	FP24b	NPN Dual;Pd 600mWΔ;VCEO 13VΔ;VCB 30VΔ;VEB 4.0VΔ;IC 200mAΔ;hFE 100,IC 10mA,VCE 2.0V.
8	MQ7005	54		Z455	FP24b	4 NPN Trans;Pd 600mW;BVCBO 25V*;BVCEO 12V*;BVEBO 4.0V*;hFE 50†;Ic 50mAΔ.
9	MQ7007	54	6K	Z511	FP24b	NPN Multiple;Pd 625mWΔ;VCEO 40VΔ;VCB 50VΔ;VEB 5.0VΔ;IC 200mA;hFE 110,IC 100uA,VCE 10V.
10	MQ7021	54	6K	Z517	FP24b	Multiple;Pd 600mWΔ;VCEO 40VΔ;VCB 50VΔ;VEB 5.0VΔ;IC 50mAΔ;hFE 65,IC 100uA,VCE 10V.
11#	SFC2018M	54	5C	Z007	TO101	1 DARL;2TR;VEB 5V;V(BR)CBO 40V;V(BR)CEO 25V;hFE 100;fT 500†
12#	SFC2046E	54	08	Z010	TO116	5 TR;VEB 5V;V(BR)CBO 40V;V(BR)CEO 25V;hFE 100;fT 500†
13	SG2001J	54	$8	Z657	MP343a	Med Current Driver Array;BVCBO 50V;BVCEO 50V;BVEBO 6.0V;IC 350mA;VCESAT 2.0V;hFE 1.0k
14	SG2002J	54	$8	Z657a	MP343a	PMOS Compatible;BVCBO 50V;BVCEO 50V;BVEBO 6.0V;IC 350mA;VCESAT 2.0V;hFE 1.0k
15	SG2002N	54	$8	Z657a	MP252c	PMOS Compatible;BVCBO 50V;BVCEO 50V;BVEBO 6.0V;IC 350mA;VCESAT 2.0V;hFE 1.0k
16	SG2003J	54	$8	Z657b	MP343a	CMOS,TTL Comp;BVCBO 50V;BVCEO 50V;BVEBO 6.0V;IC 350mA;VCESAT 2.0V;hFE 1.0k
17	SG2003N	54	$8	Z657b	MP252c	CMOS,TTL Comp;BVCBO 50V;BVCEO 50V;BVEBO 6.0V;IC 350mA;VCESAT 2.0V;hFE 1.0k
18	SG3018AJ	54	07			4TR;1 Darl;BVCBO 30V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
19	SG3018AN	54	07			4TR;1 Darl;BVCBO 30V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
20	SG3018AT	54	07			4TR;1 Darl;BVCBO 30V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
21	SG3018J	54	07			4TR;1 Darl;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
22	SG3018N	54	07			4TR;1 Darl;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
23	SG3018T	54	07			4TR;1 Darl;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
24	SG3045J	54	$C			5TR Incl One Diff Amp Pr;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 40
25	SG3045N	54	$C			5TR Incl One Diff Amp Pr;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 40
26	SG3046J	54	$C			5TR Incl One Diff Amp Pr;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 40
27	SG3046N	54	$C			5TR Incl One Diff Amp Pr;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 40
28	SG3081J	54	48	Z658	MP343a	7TR Common Emitter Array;BVCBO 20V;BVCEO 16V;BVEBO 5.0V;IC 100mA;VCESAT 700mV;hFE 50
29	SG3081N	54	48	Z658	MP252c	7TR Common Emitter Array;BVCBO 20V;BVCEO 16V;BVEBO 5.0V;IC 100mA;VCESAT 700mV;hFE 50
30	SG3082J	54	48	Z658a	MP343a	7TR Common Collector Arr;BVCBO 20V;BVCEO 16V;BVEBO 5.0V;IC 100mA;VCESAT 800mV;hFE 50
31	SG3082N	54	48	Z658a	MP252c	7TR Common Collector Array;BVCBO 20V;BVCEO 16V;BVEBO 5.0V;IC 100mA;VCESAT 800mV;hFE 50
32	SG3083J	54	5C	Z163	MP343a	5TR;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 100mA;VCESAT 700mV;hFE 50
33	SG3083N	54	28	Z163	MP252c	5TR;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 100mA;VCESAT 700mV;hFE 50
34	SG3086J	54	07			5TR w/1 Diff Amp Pair;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
35	SG3086N	54	07			5TR w/1 Diff Amp Pair;BVCBO 20V;BVCEO 15V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
36	SG3146J	54	$C			5TR Incl One Diff Amp Pr;BVCBO 40V;BVCEO 40V;BVEBO 5.0V;IC 50mA;VCESAT 700mV;hFE 40
37	SG3146N	54	$C			5TR Incl One Diff Amp Pr;BVCBO 40V;BVCEO 40V;BVEBO 5.0V;IC 50mA;VCESAT 700mW;hFE 40
38	SG3183AJ	54	5C	Z163	MP178c	5TR;BVCBO 50V;BVCEO 40V;BVEBO 5.0V;IC 100mA;VCESAT 3.0V;hFE 50
39	SG3183AN	54	48	Z163	MP252c	5NPN Trans;Pd 750mW;BVCBO 70V†;BVCEO 50V†;BVEBO 6.9V†;hFE 75;Ic 100mA.
40	SG3183J	54	5C	Z163	MP178c	5TR;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 100mA;VCESAT 3.0V;hFE 50
41	SG3183N	54	28	Z163	MP252c	5TR;BVCBO 40V;BVCEO 30V;BVEBO 5.0V;IC 100mA;VCESAT 3.0V;hFE 50
42	SG3821J	54	07	Z010	TO116	5TR Incl One Diff Amp Pr;BVCBO 40V;BVCEO 25V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
43	SG3821N	54	07	Z010	MP39a	5TR Incl One Diff Amp Pr;BVCBO 40V;BVCEO 25V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
44	SG3822J	54	07	Z008	TO116	6TR Incl 2 Diff Amps;BVCBO 40V;BVCEO 25V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
45	SG3822N	54	07	Z008	MP39a	6TR Incl 2 Diff Amps;BVCBO 40V;BVCEO 25V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
46	SG3822T	54	07	Z008	TO99	6TR Incl 2 Diff Amps;BVCBO 40V;BVCEO 25V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
47	SG3823N	54	07	Z007	MP39a	6TR;Dual Darl Pairs;BVCBO 40V;BVCEO 25V;BVEBO 5.0V;IC 50mA;VCESAT 500mV;hFE 50
48	SG3851J	54	$C			Darl Array;DTL,TTL Comp;BVCBO 50V;BVCEO 50V;BVEBO 6.0V;IC 500mA;VCESAT 2.0V;hFE 1.0k
49	SG3852J	54	$C			Darl Array;DTL,TTL Comp;BVCBO 50V;BVCEO 50V;BVEBO 6.0V;IC 500mA;VCESAT 2.0V;hFE 1.0k
50	SG3853J	54	$C			Darl Array;DTL,TTL Comp;BVCBO 50V;BVCEO 50V;BVEBO 6.0V;IC 500mA;VCESAT 2.0V;hFE 1.0k
51▼	SL3045	54	5H	Z010	MP14y	5 Trans;Vbe 5.0mV;BVcbo 20V*;BVceo 15V*;Ic 50mA;hFE 40 at Vce 3.0V
52▼	SL3046	54	16	Z010	MP39p	BVebo 5.6V;BVceo 20V;BVcbo 50V;Icbo 4.0nAΔ;hFE 100;Ft 600MHz;NF 3.5dB
53▼	SL3145	54	5F	Z010	MP319	5 Trans;Pt 350mW;BVcbo 12V;BVceo 8.0V;Ic 20mA;NF 1.6dB†
54#	TBA331	54	08	Z010	TO116	5trn;VEB 5.0VΔ;VCBO 20VΔ;VCEO 15VΔ;IC 50mAΔ;Pd 300mWΔ;hFE 100;FT 300MHz.
55#	TCA671	54	28	Z947	MP39q	5 Trans NPN;VCBO 50V;VCEO 42V;VEBO 6.0V;Ic 200mA;fT 300MHz
56#	TCA871	54	28	Z947	MP39q	5 Trans NPN;VCBO 35V;VCEO 32V;VEBO 6.0V;Ic 200mA;fT 300MHz
57#	TCA971	54	28	Z947a	MP39q	5 Trans NPN;VCBO 50V;VCEO 42V;VEBO 6.0V;Ic 200mA;fT 300MHz
58#	TCA991	54	28	Z947a	MP39q	5 Trans NPN;VCBO 35V;VCEO 32V;VEBO 6.0V;Ic 200mA;fT 300MHz
59#	TDA0470D	54	06	Z686	MP39d	Elec Organ Gate;Pd 250mW;hFE 40min;VCEsat 400mV max;ICES 30nA max;VEB 750V
60#	TDA3081	54	4C	Z161	MP545b	7 TR NPN Com Emitter;BVCBO 50V,BVCEO 35V,BVEBO 6.5V;Ic 100mAmax;hFE 30 To 200 at 5V,20mA
61#	TDA3082	54	4C	Z162	MP545b	7 TR NPN Com Collect;BVCBO 50V,BVCEO 35V,BVEBO 6.5V;Ic 100mAmax;hFE 30 To 200 at 5V,20mA
62#	TDA3083	54	4C	Z163	MP545b	5 Independent NPN TR;BVCBO 50V,BVCEO 35V,BVEBO 6.5V;Ic 100mAmax;hFE 30 To 200 at 5V,20mA
63	TPQ2221	54	08	Z511	MP153e	NPN Quad Amp;Vceo 40V;Vcb 60V;hFE 40* at Ic 150mA
64	TPQ2222	54	08	Z511	MP153e	NPN Quad Amp;Vceo 40V;Vcb 60V;hFE 100* at Ic 150mA
65	TPQ2483	54	08	Z511	MP153e	NPN Quad Amp;Vceo 40V;Vcb 60V;hFE 100* at Ic 100uA
66	TPQ2484	54	08	Z511	MP153e	NPN Quad Amp;Vceo 40V;Vcb 60V;hFE 200* at Ic 100uA
67	TPQ2906	54	08	Z512	MP153e	PNP Quad Amp;Vceo 40V;Vcb 60V;hFE 40* at Ic 150mA
68	TPQ2907	54	08	Z512	MP153e	PNP Quad Amp;Vceo 40V;Vcb 60V;hFE 100* at Ic 150mA
69	TPQ3724	54	08	Z511	MP153e	NPN Quad Amp;Vceo 30V;Vcb 50V;hFE 35* at Ic 100mA
70	TPQ3725	54	08	Z511	MP153e	NPN Quad Amp;Vceo 40V;Vcb 60V;hfe 35* at Ic 100mA
71	TPQ3725A	54	08	Z511	MP153e	NPN Quad Amp;Vceo 50V;Vcb 70V;hFE 40* at Ic 100mA
72	TPQ3798	54	08	Z512	MP153e	PNP Quad Amp;Vceo 40V;Vcb 60V;hFE 150* at Ic 100uA
73	TPQ3799	54	08	Z512	MP153e	PNP Quad Amp;Vceo 60V;Vcb 60V;hFE 300* at Ic 100uA
74	TPQ3904	54	08	Z511	MP153e	NPN Quad Amp;Vceo 40V;Vcb 60V;hFE 75* at Ic 10mA
75	TPQ3906	54	08	Z512	MP153e	PNP Quad Amp;Vceo 40V;Vcb 40V;hFE 75* at Ic 10mA
76	TPQ6001	54	08	Z513	MP153e	Dual Compl Pair;Vceo 30V;Vcb 60V;hFE 40* at Ic 150mA
77	TPQ6002	54	08	Z513	MP153e	Dual Compl Pair;Vceo 30V;Vcb 60V;hFE 100* at Ic 150mA
78	TPQ6100	54	08	Z513	MP153e	Dual Compl Pair;Vceo 40V;Vcb 60V;hFE 75* at Ic 1.0mA
79	TPQ6100A	54	08	Z513	MP153e	Dual Compl Pair;Vceo 45V;Vcb 60V;hFE 150* at Ic 1.0mA
80	TPQ6501	54	08	Z515	MP153e	Dual Compl Pair;Vceo 30V;Vcb 60V;hFE 40* at Ic 150mA
81	TPQ6502	54	08	Z515	MP153e	Dual Compl Pair;Vceo 30V;Vcb 60V;hFE 100* at Ic 150mA
82	TPQ6600	54	08	Z515	MP153e	Dual Compl Pair;Vceo 40V;Vcb 60V;hFE 75* at Ic 1.0mA
83	TPQ6600A	54	08	Z515	MP153e	Dual Compl Pair;Vceo 45V;Vcb 60V;hFE 150* at Ic 1.0mA
84	TPQ6700	54	08	Z515	MP153e	Dual Compl Pair;Vceo 40V;Vcb 40V;hFE 70* at Ic 10mA
85	uA3018AHM	54	5C	Z007	CN18d	NPN;Pd 450mWΔ;VCEO 15VΔ;VCBO 20VΔ;VEBO 5.0VΔ;IC 50mAΔ;hFE 30*;Ft 500MHz†
86	uA3018HM	54	5C	Z007	CN18d	NPN;Pd 450mWΔ;VCEO 15VΔ;VCBO 20VΔ;VEBO 5.0VΔ;IC 50mAΔ;hFE 30*;Ft 500MHz†
87	uA3026HM	54	08	Z663a	CN18d	NPN;Pd 750mWΔ;VCEO 15VΔ;VCBO 20VΔ;VEBO 5.0VΔ;IC 50mAΔ;Av 2-Stage 60dB†;ft 550MHz†
88	uA3036HM	54	5C	Z009	TO100	NPN;Pd 300mWΔ;VCEO 15VΔ;VCBO 30VΔ;VEBO 5.0VΔ;IC 50mAΔ;hFE(D)1.0k;Ft 150MHz*
89	uA3045DM	54	5C	Z663	MP486b	NPN;Pd 750mWΔ;VCEO 15VΔ;VCBO 20VΔ;VEBO 5.0VΔ;IC 50mAΔ;hFE 40*;Ft 300MHz*
90	uA3046DC	54	08	Z663	MP486b	NPN;Pd 750mWΔ;VCEO 15VΔ;VCBO 20VΔ;VEBO 5.0VΔ;IC 50mAΔ;hFE 40*;Ft 300MHz*
91	uA3054DC	54	5C	Z663b	MP486b	NPN;Pd 600mWΔ;VCEO 15VΔ;VCBO 20VΔ;VEBO 5.0VΔ;IC 50mAΔ;Av 2-Stage 60dB†;ft 550MHz†
92	uA3086DM	54	48	Z663	MP486b	NPN;Pd 750mWΔ;VCEO 15VΔ;VCBO 20VΔ;VEBO 5.0VΔ;IC 50mAΔ;hFE 40*;Ft 300MHz*
93♦	ULN2001A	54	08	Z654a	MP104h	7 NPN Darl;GP,PMOS,CMOS Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;hFE 1000
94♦	ULN2002A	54	08	Z654b	MP104h	7 NPN Darl;14-25V PMOS Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 13VΔ at Ic 300mA
95♦	ULN2003A	54	08	Z654c	MP104h	7 NPN Darl;5V TTL,CMOS Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 3.0VΔ at Ic 300mA
96♦	ULN2004A	54	08	Z654d	MP104h	7 NPN Darl;6-15V CMOS,PMOS Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 4VΔ at Ic 350mA
97▼	ULN2005A	54	08	Z654e	MP104h	7 NPN Darl;TTL Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 2.0VΔ at Ic 350mA
98▼	ULN2011A	54	08	Z654a	MP104h	7 NPN Darl;GP,PMOS,CMOS Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.6VΔ;hFE 1000
99▼	ULN2012A	54	08	Z654b	MP104h	7 NPN Darl;14-25V PMOS Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.6VΔ;Vi 17VΔ at Ic 500mA
100▼	ULN2013A	54	08	Z654c	MP104h	7 NPN Darl;5V TTL,CMOS Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.6VΔ;Vi 3.5VΔ at Ic 500mA
101▼	ULN2014A	54	08	Z654d	MP104h	7 NPN Darl;6-15V CMOS,PMOS Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.6VΔ;Vi 9VΔ at Ic 500mA
102▼	ULN2015A	54	08	Z654e	MP104h	7 NPN Darl;TTL Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.6VΔ;Vi 2.4VΔ at Ic 500mA
103▼	ULN2021A	54	08	Z654a	MP104h	7 NPN Darl;GP,PMOS,CMOS Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;hFE 1000
104▼	ULN2022A	54	08	Z654b	MP104h	7 NPN Darl;14-25V PMOS Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 13VΔ at Ic 300mA
105▼	ULN2023A	54	08	Z654c	MP104h	7 NPN Darl;5 V TTL,CMOS Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 3.0VΔ at Ic 300mA
106▼	ULN2024A	54	08	Z654d	MP104h	7 NPN Darl;6-15V CMOS,PMOS Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 8VΔ at Ic 350mA
107▼	ULN2025A	54	08	Z654e	MP104h	7 NPN Darl;TTL Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 2.0VΔ at Ic 350mA
108	ULN2031A	54	08	Z714	MP437c	7NPN Darlington Pairs;Pd 750mWΔ;BVcbo 40V;hfe 500*;Ic 80mAΔ
109	ULN2032A	54	08	Z715	MP437c	7PNP Darlington Pairs;Pd 750mWΔ;BVcbo 40V;hfe 500*;Ic 80mAΔ
110	ULN2033A	54	08	Z715	MP437c	7PNP Darlington Pairs;Pd 750mWΔ;BVcbo 40V;hfe 500*;Ic 80mAΔ

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	ULN2046A	54	08	Z709	MP153a	3 Isol.TR and 1 Diff Amp;VCB 30VΔ;ICBO 40nAΔ;ft 550MHz†;NF 3.25dB†.
2	ULN2054A	54	08	Z810	MP153a	Dual Diff.Amp;VCB 20V*;ICBO 100nAΔ;ft 550MHz†;NF 3.25dB†.
3	ULN2081A	54	48	Z161	MP14w	7NPN Trans;Pd 750mW;BVCBO 20V;BVCEO 16V;BVEBO 5V;hFE 40*;Ic 200mA;ICBO 1.0uAΔ.
4	ULN2082A	54	48	Z162	MP14w	7NPN Trans;Pd 750mW;BVCBO 20V;BVCEO 16V;BVEBO 5V;hFE 40*;Ic 200mA;ICBO 1.0uAΔ.
5▼	ULN2083A	54	08	Z163	MP104h	5 NPN Trans;BVcbo 60V†;BVceo 24V†;BVebo 6.9V†;Vbe 850mVΔ;Vce Sat 700mVΔ;hFE 76†;Ic 100mAΔ
6▼	ULN2083H	54	5C	Z163	MP606a	5 NPN Trans;BVcbo 60V†;BVceo 24V†;BVebo 6.9V†;Vbe 850mVΔ;Vce Sat 700mVΔ;hFE 76†;Ic 100mAΔ
7▼	ULN2801A	54	08	Z654a	MP592	8 NPN Darl;GP,PMOS,CMOS Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;hFE 1000
8▼	ULN2802A	54	08	Z654b	MP592	8 NPN Darl;14-25V PMOS Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 13VΔ at Ic 300mA
9▼	ULN2803A	54	08	Z654c	MP592	8 NPN Darl;5V TTL,CMOS Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 3.0VΔ at Ic 300mA
10▼	ULN2804A	54	08	Z654d	MP592	8 NPN Darl;6-15V CMOS,PMOS Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 8VΔ at Ic 350mA
11▼	ULN2805A	54	08	Z654e	MP592	8 NPN Darl;TTL Compatible;Vce 50VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 2.0VΔ at Ic 350mA
12▼	ULN2811A	54	08	Z654a	MP592	8 NPN Darl;GP,PMOS,CMOS Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.9VΔ;hFE 1000
13▼	ULN2812A	54	08	Z654b	MP592	8 NPN Darl;14-25V PMOS Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.9VΔ;Vi 17VΔ at Ic 500mA
14▼	ULN2813A	54	08	Z654c	MP592	8 NPN Darl;5V TTL,CMOS Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.9VΔ;Vi 3.5VΔ at Ic 500mA
15▼	ULN2814A	54	08	Z654d	MP592	8 NPN Darl;6-15V CMOS,PMOS Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.9VΔ;Vi 9VΔ at Ic 500mA
16▼	ULN2815A	54	08	Z654e	MP592	8 NPN Darl;TTL Compatible;Vce 50VΔ;Ic 600mAΔ;Vce Sat 1.9VΔ;Vi 2.4VΔ at 500mA
17▼	ULN2821A	54	08	Z654a	MP592	8 NPN Darl;GP,PMOS,CMOS Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;hFE 1000
18▼	ULN2822A	54	08	Z654b	MP592	8 NPN Darl;14-25V PMOS Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 13VΔ at Ic 300mA
19▼	ULN2823A	54	08	Z654c	MP592	8 NPN Darl;5V TTL,CMOS Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 3.0VΔ at Ic 300mA
20▼	ULN2824A	54	08	Z654d	MP592	8 NPN Darl;6-15V CMOS,PMOS Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 8V at Ic 350mA
21▼	ULN2825A	54	08	Z654e	MP592	8 NPN Darl;TTL Compatible;Vce 95VΔ;Ic 500mAΔ;Vce Sat 1.6VΔ;Vi 2.0VΔ at Ic 350mA
22	ULS2001H	54	5C	Z654	MP104b	7 NPN Darl;General Purpose;Vce 50V;Ic 500mA;Vce 1.3V†;hFE1000*
23	ULS2002H	54	5C	Z654	MP104b	7 NPN Darl;PMOS Compatible;Vce 50V;Ic 500mA;Vce 1.3V†
24	ULS2003H	54	5C	Z654	MP104b	7 NPN Darl;TTL/CMOS Compatible;Vce 50V;Ic 500mA;Vce 1.3V†
25	ULS2004H	54	5C	Z654	MP104b	7 NPN Darl;CMOS/PMOS Compatible;Vce 50V;Ic 500mA;Vce 1.3V†
26	ULS2045H	54	5C	Z709	MP152a	3 Isol.TR and 1 Diff Amp;VCB 30VΔ;ICBO 40nAΔ;ft 550MHz†;NF 3.25dB†.
27	HEPC6050G-RT	56	5C	Z089	CN17b	Balanced Modulator-Demodulator;Pd 680mW;Gain 30dB typ;3dB BW 300MHz;ΔVs 20Vdc§.
28	SG1524J	56	5C	Z720	MP178j	Regulating Pulse Width Modulator;Vo 5.0V;Line Reg 20mVΔ;Load 50mVΔ;Tr 200ns,tf 100ns
29	SG2524J	56	07	Z720	MP178j	Regulating Pulse Width Modulator;Vo 5.0V;Line Reg 20mVΔ;Load 50mVΔ;Tr 200ns,tf 100ns
30	SG3524J	56	07	Z720	MP178j	Regulating Pulse Width Modulator;Vo 5.0V;Line Reg 30mVΔ;Load 50mVΔ;Tr 200ns,tf 100ns
31	TAB101	56	07	Z001	TO74	Ring 4 trans. modulator/demodutor circuit;Vobo-10V;Vcs-12;Ic-10mA;Pt-100mW.
32♦#	TBA673	56	2C	Z001a	CN27a	Ring 4-Trans Modulation/Demodulation;BVEBO 6.2VΔ;IC 20mAΔ;Pt 200mWΔ.
33	U350	56		Z430	TO99	N-Ch Silicon Junction Quad-Ring Demod;Pd 1.0W;BVGSS -25V;NF 10dB max.
34	751N	57	28	Z012	MP67	BVCBO 40VΔ;BVEBO 4VΔ;BVCEO 25VΔ;IC .10AΔ;Pd .3WΔ;hFE 100* at IC 10uA.
35	751P	57	28	Z012	MP67	BVCBO 40VΔ;BVEBO 5VΔ;BVCEO 40VΔ;IC 50mAΔ;Pd .5WΔ;hFE 100* at IC 10uA.
36	CA3039	58	5C	Z013	CN18	6 Dio;PIV 5.0VΔ;IF 25mAΔ;VF .90VΔ;IR .10uAΔ;trr 1.0ns†;Cd .65pf†;Pd 100mWΔ.
37	uA726HC	58	08	Z011	TO100	VCBO 40V;VCEO 30V;VEBO 5.0V;IC 5.0mA;Volt Drift 2.0uV/°C;Off.Volt 3.0V.
38	uA726HM	58	5C	Z011	TO100	VCBO 40V;VCEO 30V;VEBO 5.0V;IC 5.0mA;Volt Drift 1.0uV/°C;Off.Volt 2.5mV.
39	320VF	59	05		MP132	Volt-Freq Conv;Acc 1.0%;Input 0 to 10V;Output 0 to 1.0kHz.
40	330VF	59	05		MP132	Volt-Freq Conv;Acc 1.0%;Input 0 to 10V;Output 0 to 10kHz.
41	340VF	59	05		MP132	Volt-Freq Conv;Acc 1.0%;Input 0 to 10V;Output 0 to 100kHz.
42	433B	59	28	Z391	MP80	Programmable Multifunction Module;Vs 30V;Pd 300mWΔ;Ri 100k;Vi 20V*;Vo 21V*;Error ±25mVΔ.
43	433J	59	07	Z391	MP80	Programmable Multifunction Module;Vs 30V;Pd 300mWΔ;Ri 100k;Vi 20V*;Vo 21V*;Error ±50mVΔ.
44	791	59	58		MP65a	Phase to Voltage Converter;Vi 0 to 10Vpp;Vo ± 10V;Acc. ± 3.0%;Rpl. 1.0%pp.
45	3010	59	28	Z338	MP148	Tone Alarm;VS 4.5V-18V;Vi 5.0VΔ;Io 50mAΔ;Pulsating Outp. 100mAΔ.
46	3030	59	2A	Z339	MP148	Temperature Alarm;VS 4.5V-18V;Is 8.0mAΔ;Io 10mAΔ;Temp.Ref.Acc. ±3.0°C.
47	3040	59	28	Z866	MP∅	Quad Mon/Alarm;ΔVs 4.5-18V;Freq Rng .1Hz-10kHz;Out Steady on 2.0VΔ,Osc on 1.8VΔ at 100mA
48	3041	59	28	Z858	MP401f	Dual Mon./Alarm;ΔVs 4.5-18V;Freq Rng .1Hz-10kHz;Input Trigger Curr 15uAΔ;Vo 1.6VΔ at 30mA
49	3050	59	28	Z341	MP148	AC Detector;VS 4.5V-18V;Is 6.0mAΔ;Inp.Imp. 100kΩ;Freq 1.0MHz;Outp.Sink Cur. 500uAΔ.
50	3350	59	58		MP∅	Analog/Digital Noise Generator;Ro 1.0ΩΔ;ΔVo 18V*;Output BW 200kHz*.
51	3351	59	58		MP457a	Analog/Dig Noise Gen;VS ±15V;Pd 195mW;Analog Output ±10V*,Dig Output To 10V
52	4115-04	59	28		MP310	Window Comparator;VI 30VΔ;Acc ±0.2mV min D.C.res;ZO 1MΩ;VS ±15Vdc;ID ±15mAΔ.
53	4128	59	28		MP300	RMS-TO-DC Converter;Vs±15Vdc;Pd 90m†;Vo 20Vdc;Io 10mA;Vi 20Vdc.
54	4301	59	07		MP371	Multifunction Converter;VS ±15Vdc;IQuies ±10mA.
55	4340	59	28		MP371	RMS-to-DC Converter;VI 30Vdc;Pd 360m;VO 10Vdc;IO 5mA min.
56	9006	59	58			Dead-Band Function;ΔVS 15V;Cs 1.5mA;ΔVO 10V;Freq.Response DC to 100kHz.
57	9008	59	57		MP209	3 Mode Analog Integrator.
58	9018	59	57		MP5ct	3 Mode Analog Integrator.
59	9028	59	57	Z577	MP457a	Analog,Three-Mode Integrator;VS ±15V;Pd 330mWΔ;Vin ±10V FS;Vout ±10V
60	A600	59				Thermacouple Amp. w/Reference Compensation Unit.
61	A601	59	28	Z861	MP179b	Thermocouple Amp;Vs ±15V at 10mAΔ;Gv 1000V/VΔ;Acc ±1.0%;Zin 100kΩ;C.M. Rng ±10V;CMRR 80dB
62	A602	59	28	Z862	MP5f	Ref Compensation Unit;Vs ±15V at 10mA;Zo 1.0Ω†;Int Ref Tracking Acc ±1°C
63#	AN103	59	17	Z882	MP682	Peripheral Circuit for CB Transceivers;Vcc 7.0V
64#	AN241	59	27	Z064	TO116	IF Amp-Limiter;FM detector,Electronic Attenuator,Audio Driver;Ro 270Ω;Ri 50kΩ;Pd 370mW†
65#	AN301	59	16		MP178	Control Signal Process Circuit for VTR (Pt 490mW)
66#	AN303	59	16	Z354	MP353	VTR Noise Suppression Circuit;Vs 14.4V;VIN .3V(Video);VO1Vp-p(RL75Ω);S/N Improvement 4dB.
67#	AN304	59	26	Z300	TO116	VTR Video FM Limiter Circuit;Vs 9-12V;Gv 80dB at 4MHz;2nd Harmonics 40dB.
68#	AN316	59	27	Z410	MP178b	VTR Dropout Compensation Ckt;Vt 12V;Pd 485mΔ;Vi 400mV;Vo 135mV*.
69#	AN603	59	38	Z411	TO116	Tachometer For Mobile;Vt 13V;Pd 370mW;Vo 2.2mV*.
70#	AN605	59	16	Z301	TO116	VTR Automatic Tape Loading Circuit;Vs 9-12V;5 X Schmidt trigger;1DC Amp.
71#	AN607	59	16	Z889	TO72	Video Amplifier;Vcc 12V;Pd 160mW
72#	AN608	59	16	Z890	TO72	Video Amplifier;Vcc 12V;Pd 160mW
73#	AN829	59	27	Z893	MP402a	Dual Attenuator;Vcc 18V;Pd 450mW;Vo 0.0-Vcc;Gv 14dB
74#	AN829S	59	27	Z893a	MP402a	Attenuator;Vcc 18V;Pd 300mW;V control 0.0-Vcc;Gv 14dB
75#	AN6140	59	27		MP681	CB Transceiver AF Signal Processing Circuit;Vcc 13.8V;Pd 520mW
76	ATN4002	59		Z481	CN2n	Wideband Variable Attenuator;5.0-1000MHz;Attenuation Range 15dB;VS 15V;Ins loss 3.0dBΔ.
77	CA3043§	59	5C	C026	CN18	High-Gain IF Amp/Limiter/FM Detector/AM Preamp/Driver for FM up to 20MHz.
78	CA3044§	59	5C	D017	CN10d	Wide-Band Amp/Phase Detector with Zener Diode Voltage Regulator/for AFC Systems.
79	CA3044V1§	59	5C	D017	CN19	Wide-Band Amp/Phase Detector with Zener Diode Voltage Regulator/for AFC Systems.
80	CA3050§	59	5C	B038	MP3	2 Darlington diff amp with diode bias string;Pd 900mW;VBE 800mV;Ic 50mA;ft 600MHz†
81	CA3051§	59	28	B038	TO116	2 Darlington diff amp with diode bias string;Pd 750mW;VBE 800mV;Ic 50mA;Ft 600MHz†.
82	CA3065	59	48	Z064	MP50	IF Amp-Limiter;FMdetector,Electronic Attenuator,Audio Driver;Ro 270Ω;Ri 70kΩ.
83	CA3075H	59	48	Z090	CH16q	FM IF Amplifier-Limiter,Detector,Audio Preamp;VS 12.5V;Pd 760mW;Gain 21db.
84	CA3076H§	59	5C	D031	CH16r	Wide-Band IF Amplifier-Limiter;Pd 500mW;Vs 15V;Vo 12mV;Noise Volt 1.0mV.
85▼	CA3098T	59	5C	Z1005	Δ002AL	Prog Schmitt Trigger;Vs 16V or ±8V;Vos 6.0mVΔ Low Ref,10mVΔ High Ref;Vi Diff 10VΔ
86	CH1262#2	59		Z850b	MP557	Line Hybrid;Term Impedance 600Ω†;Line-Recv Gv 6.0dB†;Trans-Recv Volt Loss 10dB*
87	CH1262#3	59		Z850b	MP557	Squelch;Off State Attenuation 60dB*,Vx -12Vdc;Control Volt On State 12Vdc,Off -30VdcΔ
88	CH1267#2	59		Z850c	MP664	Soft Limiter;Small Sig Gv 40dBΔ;Output Offset 0.5VΔ,Vi 0.0V;Vo Swing 20Vpp;Mod Pd 600mWΔ
89	CH1271	59		Z850f		FSK Originate Mode Select;Use with CH1224
90	CH1272	59		Z850g		FSK Answer Mode Select;Use with CH1224
91	CH1273	59		Z850d	MP557	FSK Originate/Answer Mode Select;Use with CH1224;Control Input on 25VΔ,Off -25V*
92	CH1280	59		Z850e	MP557	Carrier Detector;Output Monitor for CH1223,Output Level Detector for CH1267;Pd 300mWΔ
93	DCI177	59	58		MP132	DC TO DC Signal Isolator;Vi -10 to plus 10V;Linearity ± 1.0%;Rpl. less than 1.0%.
94	DCI178	59	58		MP132	DC TO DC Signal Isolator;Vi -50 to plus 50mV;Linearity ± .10%;Rpl. less than .50%.
95	ECA118	59	5A		MP145	Electronic Control Amp;Vi 11.8V line to line;Ri 100k;Acc. 3.0 arc min.
96#	ESM227	59	07		MP246	Speed Regulation for Permanent Magnet DC Motor;VCC 18V;Io 1.8A.
97#	ESM227N	59	07		MP264	Speed Regulation for Permanent Magnet DC Motor;VCC 18V;Io 1.8A.
98#	ESM707	59	07		MP48	Tachy meter;Io max 60mA;Ptot 500mW.
99#	ESM900	59	07		TO39	Speed Regulation for Permanent Magnet DC Motor;VCC 14V;Io 0.5A.
100#	ESM910	59	07		TO39	Speed Regulation for Permanent Magnet DC Motor;VCC 20V;Io 0.5A.
101	FC101	59	28	Z476	MP503	Data Display Interface for CRT Focus Correction;VS ±15V;BW 800kHz†;Slew 55V/us.
102	FS21§	59	07		MP2	Fast settling amplifier;Settling time to .5% 100ns max. to .05% 1.0us max;Po 20mA.
103	HEPC6009-RT	59	07	C088	MP166	Electronic Attenuator;Pd 1.0W;Attenuation Range 70dB min;THD 1.0% max;AV 11dB min.
104	ICH8510IKA	59	28	Z930	CN22g	Power Ampl,Motor and Actuator Driver;Output Driver Current 1.0A max at 24-28V;Gain 90dB
105	ICH8510MKA	59	5C	Z930	CN22g	Power Ampl,Motor and Actuator Driver;Output Driver Current 1.0A max at 24-28V;Gain 90dB
106	ICH8520IKA	59	28	Z930	CN22g	Power Ampl,Motor and Actuator Driver;Output Driver Current 2.0A max at 24-28V;Gain 90dB
107	ICH8520MKA	59	5C	Z930	CN22g	Power Ampl,Motor and Actuator Driver;Output Driver Current 2.0A max at 24-28V;Gain 90dB
108	ICH8530IKA	59	28	Z930	CN22g	Power Ampl,Motor and Actuator Driver;Output Driver Current 2.7A max at 24-28V;Gain 90dB
109	ICH8530MKA	59	5C	Z930	CN22g	Power Ampl,Motor and Actuator Driver;Output Driver Current 2.7A max at 24-28V;Gain 90dB
110	ICL8211CPA	59	07	Z931a	MP491c	Micro Power Voltage Detector/Indicator/Voltage Regulator/Progm Zener;Vs 1.8-30V;Io 7.0mA

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE (-+)	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	ICL8211CTY	59	07	Z931b	TO99	Micro Power Voltage Detector/Indicator/Voltage Regulator/Progm Zener;Vs 1.8-30V;Io 7.0mA
2	ICL8211D	59		Z931	CH44	Micro Power Voltage Detector/Indicator/Voltage Regulator/Progm Zener;Vs 1.8-30V;Io 7.0mA
3	ICL8211MTY	59	5C	Z931b	TO99	Micro Power Voltage Detector/Indicator/Voltage Regulator/Progm Zener;Vs 1.8-30V;Io 7.0mA
4	ICL8212CPA	59	07	Z931a	MP491c	Micro Power Voltage Detector/Indicator/Voltage Regulator/Progm Zener;Vs 1.8-30V;Io 35mA
5	ICL8212CTY	59	07	Z931b	TO99	Micro Power Voltage Detector/Indicator/Voltage Regulator/Progm Zener;Vs 1.8-30V;Io 35mA
6	ICL8212D	59		Z931	CH44	Micro Power Voltage Detector/Indicator/Voltage Regulator/Progm Zener;Vs 1.8-30V;Io 35mA
7	ICL8212MTY	59	5C	Z931b	TO99	Micro Power Voltage Detector/Indicator/Voltage Regulator/Progm Zener;Vs 1.8-30V;Io 35mA
8	L911CJ	59	06	Z878	MP678	Detector Alarm Circuit;Vs 6.0-15V;Io 30mAΔØ;Vo 5.0VΔ;Pd 490mWΔ;Standby Is 10uA at 9.0V†
9	LM566CH	59	07	Z295	CN1d	Voltage Controlled Oscillator;Max Oper.Freq. 1.0MHz;VS 26V.
10	LM566CN	59	07	Z295	MP491	Voltage Controlled Oscillator;Max Oper.Freq. 1.0MHz;VS 26V.
11	LM566H	59	5C	Z295	CN1d	Voltage Controlled Oscillator;Max Oper.Freq. 1.0MHz;VS 26V.
12	LM567CH	59	5C	Z294	CN1d	Tone Decoder;VS 10V;Pd 300mW;Ri 20kΩ†;Hi Center Freq. 100kHz*.
13	LM567CN	59	5C	Z294	MP491	Tone Decoder;VS 10V;Pd 300mW;Ri 20kΩ†;Hi Center Freq. 100kHz*.
14	LM567H	59	5C	Z294	CN1d	Tone Decoder;VS 10V;Pd 300mW;Ri 20kΩ†;Hi Center Freq. 100kHz*.
15	LM1841N	59	28	Z292	MP39n	FM Detector and Limiter;VS 20V;Pd 850mW;Is max 22mA;VO 7.8V†.
16	LM2111N01	59	08	Z080	MP336a	FM Detector and Limiter;VS 15V;Pd 850mW;IS 22mA.
17	LM2111N	59	08	Z080	MP39n	FM Detector and Limiter;VS 15V;Pd 850mW;IS 22mA.
18	LM2113N	59	08	Z080	MP39n	FM Detector and Limiter;VS 14V;Pd 850mW;IS 22mA.
19	LM3911H05	59	28	Z848	CN64a	Temperature Controller;Sensor,Voltage Ref,Op Amp;VS 10mAΔ;Collector Vo 36VΔ
20	LM3911H46	59	28	Z848	CN64	Temperature Controller;Sensor,Voltage Ref,Op Amp;VS 10mAΔ;Collector Vo 36VΔ
21	LM3911N	59	28	Z848	MP491	Temperature Controller;Sensor,Voltage Ref,Op Amp;VS 10mAΔ;Collector Vo 36VΔ
22#	M5170T	59	26	Z184	TO100	Alarm Circuit;VS 50VΔ.
23#	M5174P	59	17		MP14g	Flame Detector;ΔVs 12-24V;Io 20mA*
24#	M51841P	59	27	Z499	MP522	CR Timer;VS 4.5V-16V;Io 200mA.
25#	M51843P	59	27	Z500	MP14g	CR Timer (Zener Diode,Initial Trigger Circuit);VS 4.5V-24V;Io 200mA.
26#	M51845L	59	17	Z898	MP535	Counter Timer;Vs 5.0V
27#	M51846L	59	17	Z899	MP535	CR Timer;Vs 5.0V
28#	M51901P	59	17	Z652	MP545a	LED Controller For Display Of 23 Modes
29#	M51903L	59	17	Z769	MP535	Linear Level Detector and Indicator
30	MC3325P	59	48	Z901	MP307	Auto Volt Regulator;Battery Sense 13.3VΔ;Overvoltage Sense 9.0VΔ at 400uAΔ
31	MC3333P	59	48	Z902	MP307	Vari-Dwell Ignition Circuit;Vs 4.0-24V;Io Sink 1.3Apk,Drain 25mAΔ;O.V. Protection 10VΔ
32	MC3420L	59	07	Z790	MP681a	Switchmod Regulator Control Circuit;100kHz Osc,Output Freq Adj from 2kHz To 100kHz
33	MC3420P	59	07	Z790	MP308a	Switchmod Regulator Control Circuit;100kHz Osc,Output Freq Adj from 2kHz To 100kHz
34	MC3426L	59	47	Z792	TO116	Ground Fault Interruptor Subsystem for 120VAC 15A,20A; Trip Current 5mA±1mA
35	MC3520L	59	5C	Z790	MP681a	Switchmod Regulator Control Circuit;100kHz Osc,Output Freq Adj from 2kHz To 100kHz
36♦	MC6525P	59	05	Z903	MP576a	Remote Control Receiver;VBB -4.0V†;VDD 6.0V†;VGG 13V†;Vin 0.0-15V;Signal Vin 250mV*
37♦	MCC129	59	15	Z831a		Exposure Control with Low-Light LED Indicator;Vs 6.5VΔ;Vi 5.0V†;Io 100mAΔ
38♦	MCC130	59	15	Z831		Exposure Control with Low-Light Bulb Indicator;Vs 6.5VΔ;Vi 5.0V†;Io 100mAΔ
39	MCC402	59	25	Z833	MP☒	Opto Process IC;VS 6.0VΔ;Gi 80†;Io 20uAΔ;Vref 1.3VDCΔ;Trigger On 500mVΔ,Off 10uAΔ
40♦	MCCF3326	59	48	Z986	CH47	Automotive Voltage Regulator to Drive Pwr Darlington;Vo .7VΔ;Battery Sense 13.3VΔ
41	MCCF3333	59	48	Z902	CH40	Vari-Dwell Ignition Circuit;Vs 4.0-24V;Io Sink 1.3Apk,Drain 25mAΔ;O.V. Protection 10VΔ
42	NE545B	59	07	Z673	MP437a	Dolby-B Noise Processor;VCC 12V;Ro 120ΩΔ;Distortion 0.5%Δ;IS 30mAΔ;Gv 29dBΔ
43▾	NE546N	59	48	Z426	MP153h	AM Radio Recvr Subsystem;ΔVs 9.0 to 15VDC;Pd 750mWΔ;S/N Ratio 34dB*;Dist 155mV†
44▾	NE567F	59	07	Z172	MP319k	Tone and Frequency Decoder;Freq 500kHz;Pd 300mWΔ;Ri 20kΩ†
45▾	NE567N	59	07	Z172a	MP549a	Tone and Frequency Decoder;Freq 500kHz;Pd 300mWΔ;Ri 20kΩ†
46	NE567T	59	07	Z172	CN1g	Tone and Frequency Decoder;Freq 500kHz;Pd 300mW;Ri 20kΩ.
47	NE567V	59	07	Z172	MP216	Tone and Frequency Decoder;Freq 500kHz;Pd 300mW;Ri 20kΩ.
48	R101	59	08		MP508b	RMS Computing Subsystem;VS ±15V;Vi ±10V;Vo 0-10V;Io 5.0mA.
49	R301	59	06		MP515	RMS Computing Subsystem;VS ±15V;Vi ±10V;Vo 0-10V;Io 10mA.
50	R310	59	06		MP515	RMS Computing Subsystem;VS ±15V;Vi ±10V;Vo 0-10V;Io 10mA.
51	R401	59	06		MP516	RMS Computing Subsystem;Vs ±15V;Vi ±10V;Vo 0-10V;Io 5.0mA.
52#	SAA1027	59	26	Z480	MP337d	Motor Control Ckt;I 350mA;VS 18V at 9.5A.
53#	SAA1028	59	48	Z567	MP337d	Motor Control Ckt;Pt 340mW max;Vp 4.5-18V;Is 35mA;Outp Freq 500kHz.
54#	SAK110	59	07		MP48	Pulse Shaper for Rev-Counters;VCC max 9V;Io max 20mA;f max 10kHz.
55#	SAK115	59	07		MP471	Pulse Shaper for Rev-Counters;VCC max 9V;Io max 20mA;f max 10kHz.
56#	SAK135	59	07		MP48	Pulse Shaper For Rev-Counters;VCC max 9V;Io max 20mA;f max 10kHz.
57#	SAS580	59	06	Z492	MP704	Switching Amp for 4-Channel touch tuning (Channel 1 preferred).
58#	SAS590	59	06	Z492	MP704	Switching Amp for 4-Channel touch tuning.
59#	SAY115	59	07		MP325	Speed Indicator - Kilometers Adder;VCC max 16.5V;Io 300mA;f max 10kHz.
60	SE567T	59	5C	Z172	CN1g	Tone and Frequency Decoder;Freq 500kHz;Pd 300mW;Ri 20kΩ.
61#	SL680C	59	5C	Z562	CN27b	Crystal Oscillator Maintaining Crt;VS 6.0V;IS 15mAΔ
62#	SL1020A	59	2C	Z468	TO100	Channel Amp;Vs-20V;Is 9.0mA;Overload 13dBm;BW 100kHzΔ;Gain 26db;Ro 600Ω.
63#	SL1021A	59	2C	Z468	CN27b	Channel Amp;VS -20V;IS 11mAΔ;Overload 13dBm;BW 100kHz;Gain 26dB;Ro 600Ω.
64#	SL1021B	59	2C	Z468	CN27b	Channel Amp;VS -20V;IS 11mAΔ;Overload 15dBm;BW 100kHz;Gain 26dB;Ro 600Ω.
65	SM110CJ	59	06	Z878a	MP678	Smoke Detector Circuit;Vs 6.0-9.0V;Io 30mAΔØ;Vo 5.0VΔ;Pd 490mWΔ;Standby Is 10uA at 9.0V†
66#	TAA560	59	06	Z178	TO72	Level Detector;Shutter Control Circuit;Vs 2.5V;Pd 120mWΔ;Vo 12.5VΔ
67#	TAA780A	59	24	Z057	MP120	Stabilizing Circuit;stabilized volt. 1.1V†;stabilizing current 1.0mA;hfe 250.
68#	TAA780B	59	24	Z057	MP137	Stabilizing Circuit;stabilized volt. 1.1V†;stabilizing current 1.0mA;hfe 250.
69#	TAA790A	59	06		TO116	Controlled Pulse Generator for pulse separation and line synch;VO8.0V;Ro1.0k;f15.6kHZ.
70#	TAB1031K	59			CH37	Preamplifier Applications in Hearing Aids;Supply Voltage Range 0.95-12V
71#	TAB1041K	59			CH38	Push-Pull Output Amplifier for Hearing Aids;1.0V-12V;Output to 15mA
72#	TAB1041W	59			FP42	Push-Pull Output Amplifier for Hearing Aids;1.0V-12V;Output to 15mA
73#	TBA830	59	25			Microphone Amplifier.
74#	TBA880	59	37	Z313	TO12	Microphone Amplifier;IS 100mAΔ;Voltage drop 4.8V†;Gain 210Gv†.
75#	TBA940	59	05		TO116	Controlled Pulse Generator for pulse separ.and line sync.in TV Rec.w/SCR line Out stage.
76#	TBA950	59	05		TO116	Controlled Pulse Gen.for pulse separ.and line sync.in TV Rec.w/TR line Out stage.
77#	TCA105	59	28	Z954	MP303	Threshold Detector for Contactless Switching;Vs 12V Typ;Is 5.0mA;Hystersis 25mV min
78#	TCA105B	59	28	Z954	MP303	Threshold Detector for Contactless Switching;Vs 12V Typ;Is 5.0mA;Hystersis 25mV min
79#	TCA105BW	59	28	Z954	FP55	Threshold Detector for Contactless Switching;Vs 12V Typ;Is 5.0mA;Hystersis 25mV min
80#	TCA105W	59	28	Z954	FP55	Threshold Detector for Contactless Switching;Vs 12V Typ;Is 5.0mA;Hystersis 25mV min
81#	TCA205A	59	28		MP39q	Threshold Detector for Contactless Switching;Vs -12V Typ;Is 5.0mA;Osc Freq 1.5MHz max
82#	TCA205WI	59			FP42	Threshold Detector
83#	TCA205WII	59			FP42	Threshold Detector
84#	TCA345A	59	27	Z943	MP340	THRESHOLD DETECTOR
85#	TCA345W	59	29		FP55	Threshold Detector
86#	TCA350	59	26	Z255	TO73	Delay Line for analogue signals.
87#	TCA350Y	59		Z877		Delay Line For Analog Signals;Freq 250kHzΔ;Delay Time 2.3ms;Vi -8.0V†
88#	TCA600	59	07		TO39	Motor Speed Regulator;Vs 14VΔ;Pd 550mWΔ;Vref 2.6V;Vo 3.6V;Line Reg .1%/V.
89#	TCA610	59	07		TO39	Motor Speed Regulator;Vs 20VΔ;Pd 550mWΔ;Vref 2.6V;Vo 5.6V;Line Reg .1%/V.
90#	TCA860	59	15	Z344	MP120	1-Coil driver Ckt for battery-powered table clocks;1.5 volts.
91#	TCA900	59	07		TO126	Motor Speed Regulator;VS 14VΔ;Pd 800mWΔ;Vref 2.6V;Vo 3.6V;Line Reg .1%/V.
92#	TCA910	59	07		TO126	Motor Speed Regulator;VS 20VΔ;Pd 800mWΔ;Vref 2.6V;Vo 5.6V;Line Reg .1%/V.
93#	TCA955	59	28		MP252m	Speed Regulator;Vt 16V;Ic 50mA;Adj Speed Range.
94#	TCA965	59	28	Z949	MP39q	2 Point Regulator;Vt 27V;Ic 50mA.
95#	TDA1003	59	2C	Z845	MP545	Motor Reg and Bias/Erase Osc Ckt for Record/Playback Sys;Vs 9V, Motor Current 600mA Peak
96#	TDA1003A	59	2E	Z933	MP660a	Motor Reg and Bias/Erase Osc Ckt for Record/Playback Sys;Vs 9.0V;Motor Current 1.0A Peak
97#	TDA1006	59	2C	Z849	MP545b	Motor Regulator W/Auto Tape-end Indicator for Car Tape Deck;Motor Pwr:7.2 to 8.3V,200mA
98#	TDA1022	59		Z836	MP545b	Bucket Brigade Audio Delay Line 512 Buckets.
99#	TDA1040	59	07		MP471	Speed Regulation for Permanent Magnet DC Motor;VCC 18V;Io 1A;Pd 0.9W.
100#	TDA1041	59	07		MP471	Speed Regulation for Permanent Magnet DC Motor;VCC 18V;Io 1A;Pd 1.4W.
101#	TDA1057	59	27		CN56	Voltage Stabilizer for Varicap Diodes in TV Tuner;VT 33V;Pd 625mW.
102#	TDA1059	59	55	Z730	TO39	Motor Speed Control System;Vcc 9.0V;Motor Drive Cur 30-80mA;Pt 1.0WΔ;Vref 1.3V
103#	TDA2581	59	27	Z939	MP545b	Control Ckt for Switched-mode Power Supplies;Vs 12V;Pd 340mWΔ;Ref Vi 6.7V†;Io 40mApeak
104#	TDA2581Q	59	27	Z939	MP701	Control Ckt for Switched-mode Power Supplies;Vs 12V;Pd 340mWΔ;Ref Vi 6.7V†;Io 40mApeak
105#	TDA2620	59	06	Z506	MP337h	Voltage Switcher for Control Program Indicator;Vs 33V;Pd 500mWΔ;Vo .3V.
106#	TDA2620Q	59	07	Z506	MP256	Tuning Volt Switch and Driver for Programme Indicator;VS 33V;Is 800uAΔ;Pt 500mWΔ.
107#	TDA2630	59	06	Z507	MP337h	Control ckt for Band selection, Signal control;VS 20VΔ;Pd 500mWΔ;Io 50mAΔ.
108#	TDA2630Q	59	07	Z507	MP256	Touch Amp,Logic and Band Selection Switch;Vs 15V;Is 8.5mA†;Pt 500mWΔ;Ri 25MΩΔ
109#	TDA2631	59	06	Z508	MP337h	Control ckt for Band selection, Signal control;VS 20VΔ;Pd 500mWΔ;Io 50mAΔ.
110#	TDA2631Q	59	07	Z508	MP256	Touch Amp,Logic and Band Selection Switch;Vs 15V†;Is 8.5mA†;Pt 500mWΔ;Ri 25MΩΔ

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1#	TDA2700	59	25	Z942	MP545b	Oscillator for Video Recorders;Vs 12V;Pd 600mWΔ;Osc Vo 3.0Vp-p†;Freq,Free Run 562.5kHz†
2#	TDA2710	59	25	Z948	MP545b	Chrominance Signal/Mixer for Video Recorders;Vs 12V;Pd 700mWΔ
3#	TDA2720	59	25	Z950	MP545b	Color Sub-Carrier Oscillator for Video Recorders;Vs 12V;Pd 750mWΔ;Freq 8.8MHz
4#	TDC0555	59			TO99	MON Timing Ckt;Is 200mA;Adj Duty Cycle Stability .005%/°C.
5#	TPV63	59	37	Z533	FP42	Threshold SW For Photodiodes;VS1 10V;VS2±10V;Vo 20V;Vi ±10V;Io 70mA.
6	uA78S40DC	59	06	Z870	MP⍁	Universal Switching Regulator Subsystem;Vs 40VΔ;Pd 1.5WΔ;Vi 40VΔ;Vo 1.3-40VØ
7	uA78S40DM	59	5C	Z870	MP⍁	Universal Switching Regulator Subsystem;Vs 40VΔ;Pd 1.5WΔ;Vi 40VΔ;Vo 1.3-40VØ
8	uA78S40PC	59	06	Z870	MP⍁	Universal Switching Regulator Subsystem;Vs 40VΔ;Pd 1.5WΔ;Vi 40VΔ;Vo 1.3-40VØ
9	uA727HC§	59	28	B011	TO100	Temperature-Controlled Differential Preamp;Heater IC 15mAΔ.
10	uA727HM§	59	5C	B011	TO100	Temperature-Controlled Differential Preamp;Heater IC 15mAΔ.
11	uA7300PC	59	06	Z873	MP⍁	Dolby Noise Reduction Sys;Vs 10-20V;Pd 730mWΔ;THD .02%(0dB);Is 10mA†;S/N 15dB†;Ri 100kΩ†
12	uA7390TC	59	48			GROUND FAULT DETECTOR; Vs 26VΔ; Rs 100ΩΔ; Is 50mA; Pd 310mWΔ; Gv 15V/mV
13#	U107B	59	48	Z429	MP252	MON Automotive Seat Belt Inter Locksystem;Vs 20VΔ;Is 37mAΔ;Vo 20VΔ.
14#	UAA210	59	27		MP120	Exposuremeter;Supply Voltage(V1,V2,V3) 6.5V max
15	ULN2137A	59	07	Z672	MP14w	AM Radio Sys;Pd 850mW;Osc Current 1.2mA†;Sen 5.0mVΔ;S/N Ratio 43dB†
16	ULN2300M	59	47	Z044a	MP48	Amplifier SCR Firing Ckt;AV 30dB*;VT 12mVrms†;VF 1.5VΔ;Zin 60kΩ*.
17	ULN2301M	59	07	Z044	MP48	Amplifier detector;Gv 30db*;Is 10mA;freq 75k to 150kHz;CMRR 80db†.
18	VM101	59	28		MP508c	Vector Computing Subsystem;Vi ±10VΔ;Vo 0-10V*;Zo 0.1Ω†;Vs ±15V.
19♦	WJG1	59	5A	Z755	CN616	Attenuator;Freq Rng 5.0M-2000MHz;Atten 18dB typ;Insert Loss 2.8dB typ at Vc 15V;50Ω
20	WJLG1	59	58		CN61a	Linearizer;Freq Rng 10M-1000MHz;Atten Rng 3-20dB
21	XR567CN	59	07	Z363	MP401	Tone Decoder;VCC 5.0V;Freq .01Hz-500kHz;BW 0-14%;TTL 100mA Sink Output;Ceramic Pkg
22	XR567CP	59	07	Z441	MP343a	Tone Decoder;VCC 5.0V;Freq .01Hz-500kHz;BW 0-14%;TTL 100mA Sink Output;Plastic Pkg
23	XR567M	59	5C	Z363	MP401	Tone Decoder;VCC 5.0V;Freq .01Hz-500kHz;BW 0-14%;TTL 100mA Sink Output;Ceramic Pkg
24	XR567N	59	48	Z363	MP401	Tone Decoder;VCC 5.0V;Freq .01Hz-500kHz;BW 0-14%;TTL 100mA Sink Output;Ceramic Pkg
25▼	XR2264CP	59	15	Z969	MP⍁	Pulse-Proportional Servo Circuits;Vs 5.0VDC†;Is 4.5mA†;Vi 2.4-6.0VDC;Vo 2.2VDC†;Io 350mA
26▼	XR2265CP	59	15	Z969	MP⍁	Pulse-Proportional Servo Circuits;Vs 5.0VDC†;Is 4.5mA†;Vi 2.4-6.0VDC;Vo 2.2VDC†;Io 500mA
27	XR2567CN	59	07	Z441	MP343a	Dual Tone Decoder Consisting of 2 Type 567;Freq Match 1.0% Typ at 10kHz;Ceramic Pkg
28	XR2567CN⍁	59	07	Z441	MP319c	Dual Tone Decoder;.01Hz To 500kHz;Vs 5V,Is 30mAmax;Center Freq Matching 1% Typ at 10kHz
29	XR2567CP	59	07	Z441	MP343a	Dual Tone Decoder Consisting of 2 Type 567;Freq Match 1.0% Typ at 10kHz;Plastic Pkg
30	XR2567CP⍁	59	07	Z441	MP319f	Dual Tone Decoder;.01Hz To 500kHz;Vs 5V,Is 30mAmax;Center Freq Matching 1% Typ at 10kHz
31	XR2567M	59	5C	Z441	MP343a	Dual Tone Decoder Consisting of 2 Type 567;Freq Match 1.0% Typ at 10kHz;Ceramic Pkg
32	XR2567M⍁	59	5C	Z441	MP319c	Dual Tone Decoder;.01Hz To 500kHz;Vs 5V,Is 26mAmax;Center Freq Matching 1% Typ at 10kHz
33	CA3019	60	5C	Z041	CN17f	6 Diodes;Pd 120mWΔ;Vs 12V;VF 780mVΔ;Ir 10uAΔ;Cd 1.8pf;V(BR) 6.0V.
34	CA3019H	60	5C	Z041	CH16c	6 Dio;Pd 120mWΔ;VS 12V;VF 7.3V;IR 10uA;Cd 1.8pF;V(BR)R 6.0V.
35	CA3039H	60	5C	Z013	CH16c	6 Dio;PLV 5.0VΔ;IF 25mAΔ;VF .90VΔ;IR .10uAΔ;Pd 180mW†.
36	CA3039L	60	5C	Z013	CH18	6 Dio;PLV 5.0VΔ;IF 25mAΔ;VF .90VΔ;IR .10uAΔ;Pd 180mW†.
37	CA3141E	60	5C	Z677	Δ001AC	10 Diode;High Volt;PIV 30VΔ;IF 25mAΔ;Pt 650mWΔ;VF 900mVΔ at IF 100uA;trr 50ns
38	CA3141H	60	5C	Z677	CH33	10 Dio;High Volt;PIV 30VΔ;IF 25mAΔ;Pt 650mWΔ;VF 900mVΔ at IF 100uA;trr 50ns
39▼	ID100	60	6K	Z1017	TO78	Low Leakage Dual Diode;Vf .8-1.1V;Rev BV 30V*;Ir Leakage 10pA;If 20mAΔ;Ir 100uAΔ
40▼	ID101	60	6K	Z1017	TO71	Low Leakage Dual Diode;Vf .8-1.1V;Rev BV 30V*;Ir Leakage 10pA;If 20mAΔ;Ir 100uAΔ
41▼	ID101/D	60	6K	Z1017	CH48	Low Leakage Dual Diode;Vf .8-1.1V;Rev BV 30V*;Ir Leakage 10pA;If 20mAΔ;Ir 100uAΔ
42	LM3019H	60	07	Z041	CN10p	6 Diodes;Pd 120mWΔ;Vs 12V;VF 7.3V;Ir 10uA;Cap. 1.8pf;V(BR)R 6.0V.
43	LM3039H	60	07	Z013	CN18d	6 Diodes;Pd 100mWΔ;PIV 5.0VΔ;IF 25mA;VF 900mVΔ;Ir 10uAΔ;trr 10ns†.
44#	TDA1053	60	XA		MP120	3 PIN DIODES;VR 30V;IF 50mA;rf 5.0Ω at IF 10mA,f100MHz
45	uA3019HM	60	5C	Z664a	CN18d	Monolithic;Pd 120mWΔ;VF 780mVΔ At IF 1.0mA;VR 4.0V*;Rev BD Between Diode-Substrate 25V*
46	uA3039HM	60	5C	Z664	TO100	Monolithic;Pd 600mWΔ;VF 900mV At IF 10mA;VR 5.0VΔ;IF 25mAΔ;Rev BD D-Substrate 20V*
47#	AN377	61	15	Z892	MP681	Vtot 14V;Pd 520mW;BW 3dB 75kHz Typ
48▼	ICL8063CJE	61	07	Z996	MP178d	Driver Amp for Power Transistor;Vs ±30V;Is 7.0mA;Vo ±27V;Io 300uA;Gv 6±2V/V;Rin 400kΩ
49▼	ICL8063CPE	61	07	Z996	MP39n	Driver Amp for Power Transistor;Vs ±30V;Is 7.0mA;Vo ±27V;Io 300uA;Gv 6±2V/V;Rin 400kΩ
50▼	ICL8063MJE	61	5C	Z996	MP178d	Driver Amp for Power Transistor;Vs ±30V;Is 6.0mA;Vo ±27V;Io 250uA;Gv 6±2V/V;Rin 400kΩ
51	PTC780-RT	61	26	Z880	MP679	AF Power Amp;Vs 18VΔ;Is 100mAΔ,No Sig;Pd 6.0WΔ;Peak Io 2.0AΔ;THD 1.0%Δ at Po 1.0W;Gv 52dB*
52	TAA320	61	C	Z374	TO18	Bi-Fet Audio Amp;Pt 200mWΔ;Id 25mAΔ;VDSS 20VΔ;VGSO 20VΔ;yfs 75mmho;Cis 8.0pF.
53#	TAA320A	61	2C	C236	TO18	MOST Level Sensor;VDSS 20VΔ;VGSO 20VΔ;ID 60mA;VGS10.6V,Id 10mA,VDS 10V.
54	CA1310E	62	48	Z424	Δ001AB	RC Phase-Lock-Loop Stereo Decoder;Cur 13mA;Ri 50kΩ;Vo 485mVrms;THD .3%.
55	CA3058	62	5C	Z054	Δ001AD	0 Volt Switch for 50 to 400Hz Thyristor Control;IGT 105mA;Io Leakage 20uA.
56	CA3059	62	48	Z054	Δ001AB	0 Volt. Switch for 50 to 400Hz Thyristor Control;IGT 105mA;Io Leakage 10uA max.
57	CA3059H	62	48	Z054	CH16n	0 Volt;Switch for 50 to 400Hz Thyristor Control;IGT 105mA;Io Leakage 10uA max.
58	CA3079	62	48	Z054a	Δ001AB	0 Volt Switch for 50 to 400Hz Thyristor Control;IGT 105mA;Io Leakage 10uA.
59	CA3099E	62	5C	Z282	Δ001AB	Programmable Comparator;Pd 750mWΔ;Vs 16V;Vref 6.0V;Outp Sat Volt 1.2VΔ;tr500ns;tf 50ns.
60	CA3099H	62	5C	Z282	CH⍁	Programmable Comparator;Pd 750mWΔ;VS 16V;Vref 6.0V;Outp Sat Volt 1.2VΔ;tr 500ns;tf 50ns
61#	L120B1	62	07	Z376	MP104a	Triac/SCR Phase Control;Pt 450mW;Clamp Volt 15V;Load Reg 1%;Line Reg 46db;CMRR 60db.
62#	L121B1	62	07	Z377	MP104a	Triac/SCR Burst Control;Pt 450mW;Clamp Volt 15V;Load Reg 1%;Line Reg 46db;CMRR 60db.
63#	M5172L	62	17	Z651	MP535	0.0 Volt Switch For 50 Or 60 Hz Thyristor Control
64#	M5172P	62	17	Z536	MP14g	0 Volt Switch for 50 or 60Hz Thyristor Control.
65#	M51401K	62	27	Z497	MP437b	Servo Controller for VTR;VS 12V;Output Range 500m to 10V;Ripple 80mVp-p.
66	MC3370P	62	17	Z183a	MP404	Zero Voltage Switch;Input Current I1/I2 15uAΔ;ISC 100uAΔ;Pd 1.2WΔ
67 '	MCC140	62	27	Z832	MP317b	Dual Motor Speed Cont Ckt;VS 12VΔ;Pd 180Δ;Regulator Volt 4.4VΔ;Speed Regulation ±1%
68♦	PT107	62		Z989	MP⍁	AC Motor Load Control;Vs 5.5VDC;Load Current 5.5mA;Gate Trigger Current 55mA†
69	SG3058J	62	5C	Z656	TO116	Zero Voltage Switch;Peak Io 124mA;Input Bias Current 1.0uAΔ;Pulse Mode Sens 6.0mV†
70	SG3059N	62	28	Z656	MP39a	Zero Voltage Switch;Peak Io 124mA;Input Bias Current 1.0uAΔ;Pulse Mode Sens 6.0mV†
71	SG3079J	62	07	Z656	TO116	Zero Voltage Switch;Peak Io 124mA;Input Bias Current 2.0uAΔ;Pulse Mode Sens 6.0mV†
72	SG3079N	62	07	Z656	MP39a	Zero Voltage Switch;Peak Io 124mA;Input Bias Current 2.0uAΔ;Pulse Mode Sens 6.0mV†
73#	SL440DG	62	16	Z583	MP319	Power Control Ckt For Triacs And Others;Pd 500mW;Max Pulse Current 120mA†;Inhibit 5.0VΔ
74#	SL440DP	62	16	Z583	MP39p	Power Control Ckt For Triacs And Others;Pd 500mW;Max Pulse Current 120mA†;Inhibit 5.0VΔ
75#	SL447	62	16	Z561	MP319	Zero Voltage Switch For Thyristor Control;Pd 600mW;IS ±50mA;Output Pulse Dur 10us At 400Hz
76#	SL448	62	5C	Z561	MP319	Zero Voltage Switch For Thyristor Control;Pd 800mW;IS ±50mA;Output Pulse Dur 10us At 400Hz
77#	SL449	62	16	Z561	MP39p	Zero Voltage Switch For Thyristor Control;Pd 600mW;IS ±50mA;Output Pulse Dur 10us At 400Hz
78#	TCA280A	62	28	Z419	MP317a	Triggering Stage For Controlling Thyristors And Triacs;VS 17VΔ;Firing Cur 3.0uAΔ.
79#	TCA780	62			MP317	Phase Control Circuit for Thyristors,Triacs,Transistors;Zero Voltage Switch
80#	TDA1023	62	28	Z837	MP545d	0 Volt Switch for Thyristor;Vs 12 To 15V,Is 6mAmax;Output Trig:10Vmin,200mAmin,100uSmin
81#	TDA1024	62	28	Z731	MP491a	0 Volt Switch For Thyristor And Triac Control;Vs 8.0VΔ;Is 80mAΔ;Io 400mAΔ;Tp 195us
82	TL440CJ	62	07	Z702	MP139b	Zero Voltage Switch;Voltage At Sensor Or Vref Input 6.0V Typ;Output Pulse Width 400usΔ
83	TL440CN	62	07	Z702	MP598	Zero Voltage Switch;Voltage At Sensor Or Vref Input 6.0V Typ;Output Pulse Width 400usΔ
84	uA742DC	62	07	Z564	MP486b	Zero Crossing AC Trigger - TRIGAC;Bias Current 25uAΔ;Holding Current 23uA†
85	uA742PC	62	07	Z564	MP252f	Zero Crossing AC Trigger - TRIGAC;Bias Current 25uAΔ;Holding Current 23uA†
86	uA7391PC	62	4A	Z671	MP591	Motor Speed Control System;VS 14.5V;Motor Drive Vsat 1.5VΔ;Pulse Output LV 300mV
87	uA7392PC	62	48	Z874	MP675	Motor Speed Control Ckt;VS 14.3V;Motor Drive Vsat 1.1V†;Pulse Output Low Sat 250mVΔ
88#	U106B	62	07	Z428	MP252	0 Volt Switch For Thyristor and Triac Control;Vs 9.5VΔ;Pd 530mWΔ;Vo 5.0V*;Vos 10mV.
89#	U112B	62	08	Z537	Δ001AC	Monolithic Integrated Triac Control Circuit With Touch Switch
90#	U113B	62	08	Z538	MP536	Monolithic Integrated Touch Switch
91#	UAA145	62	27			Switch for Phase Control;Vs 18V;Pt 550mW;tr 500nsΔ;Outp Saturation Volt 1.0VΔ.
92	XR742CN	62	07	Z564	MP402	Zero Crossing AC Trigger-TRIGAC.
93	XR742CP	62	07	Z564	MP402	Zero Crossing AC Trigger-TRIGAC.
94	840-T1	63	5C	Z695	TO5	Vo 10V†;Output Acc ±100m%Δ;Io 5.0mAΔ;Rpl Rejec 56dB†;Ro 100mΩ;Vi35VΔ;Input Cd 100nF
95	840-T2	63	28	Z695	TO5	Vo 10V†;Output Acc ±100m%†;Io 5.0mAΔ;Rpl Rejec 56dB†;Ro 100mΩ;Vi35VΔ;Input Cd 100nF
96	AD580J§	63	07	F122	TO52	Low Drift Volt.Reference;Settl Time 6.0us To .04%;Vo Change 15mVΔ;Stability 250uV.
97	AD580K§	63	07	F122	TO52	Low Drift Volt.Reference;Settl Time 6.0us to .04%;Vo Change 7.0mVΔ;Stability 250uV.
98	AD580L§	63	07	F122	TO52	Low Drift Volt Reference;Settling Time 6.0uSec to 0.04%;Vo Change 4.3mVΔ;Stability 250V.
99	AD580M§	63	07	F122	TO52	Low Drift Volt Reference;Settling Time 6.0uSec to 0.04%;Vo Change 1.75mVΔ;Stability 250V.
100	AD580S§	63	5C	F122	TO52	Low Drift Volt.Reference;Settl Time 6.0us to .04%;Vo Change 25mVΔ;Stability 250uV.
101	AD580T§	63	5C	F122	TO52	Low Drift Volt Reference;Settling Time 6.0uSec to 0.04%;Vo Change 11mVΔ;Stability 250V.
102	AD580U§	63	5C	F122	TO52	Low Drift Volt Reference;Settling Time 6.0uSec to 0.04%;Vo Change 4.5mVΔ;Stability 250V.
103	AD2700L	63	28		MP562	Precision 10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 85°C
104	AD2700U	63	5C		MP562	Precision 10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 125°C
105	AD2700U-883	63	5C		MP562	Precision 10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 125°C
106	AD2701L	63	28		MP562	Precision -10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 85°C
107	AD2701U	63	5C		MP562	Precision -10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 125°C
108	AD2701U-883	63	5C		MP562	Precision -10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 125°C
109	AD2702L	63	28		MP562	Precision ±10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 85°C
110	AD2702U	63	5C		MP562	Precision ±10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 125°C

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TC EO MD PE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	AD2702U-883	63	5C		MP562	Precision ±10V Reference Source;VS 15V;Max Error .01% 25°C;±.03% To 125°C
2▾	ICL8069ACQ	63	07	Z793	CN25c	Temp Compensated Voltage Ref;Vf .7V†;Rev V 1.25VΔ;Breakdown V TC .001%/°CΔ
3▾	ICL8069BCQ	63	07	Z793	CN25c	Temp Compensated Voltage Ref;Vf .7V†;Rev V 1.25VΔ;Breakdown V TC .0025%/°CΔ
4▾	ICL8069CCQ	63	07	Z793	CN25c	Temp Compensated Voltage Ref;Vf .7V†;Rev V 1.25VΔ;Breakdown V TC .005%/°CΔ
5▾	ICL8069CMQ	63	5C	Z793	CN25c	Temp Compensated Voltage Ref;Vf .7V†;Rev V 1.25VΔ;Breakdown V TC .005%/°CΔ
6▾	ICL8069DCQ	63	07	Z793	CN25c	Temp Compensated Voltage Ref;Vf .7V†;Rev V 1.25VΔ;Breakdown V TC .01%/°CΔ
7▾	ICL8069DMQ	63	5C	Z793	CN25c	Temp Compensated Voltage Ref;Vf .7V†;Rev V 1.25VΔ;Breakdown V TC .01%/°CΔ
8	LM129AH	63	5C	Z793	CN25	Precision 6.9V Volt Ref;Ir 30mAΔ;If 2.0mAΔ;RMS Noise 20uVΔ;TC 10ppm/°CΔ
9	LM129BH	63	5C	Z793	CN25	Precision 6.9V Volt Ref;Ir 30mAΔ;If 2.0mAΔ;RMS Noise 20uVΔ;TC 20ppm/°CΔ
10	LM129CH	63	5C	Z793	CN25	Precision 6.9V Volt Ref;Ir 30mAΔ;If 2.0mAΔ;RMS Noise 20uVΔ;TC 50ppm/°CΔ
11	LM199AH	63	5C	Z828	CN64	Precision 6.95V Ref;Ir 20mAΔ;If 1.0mAΔ;Temp Stab Volt 40VΔ,60 Sec Δ;RMS Noise 20uVΔ
12	LM199H	63	5C	Z828	CN64	Precision 6.95V Ref;Ir 20mAΔ;If 1.0mAΔ;Temp Stab Volt 40VΔ,60 Sec Δ;RMS Noise 20uVΔ
13	LM299AH	63	28	Z828	CN64	Precision 6.95V Ref;Ir 20mAΔ;If 1.0mAΔ;Temp Stab Volt 40VΔ,60 Sec Δ;RMS Noise 20uVΔ
14	LM299H	63	28	Z828	CN64	Precision 6.95V Ref;Ir 20mAΔ;If 1.0mAΔ;Temp Stab Volt 40VΔ,60 Sec Δ;RMS Noise 20uVΔ
15	LM329BH	63	07	Z793	CN25	Precision 6.9V Volt Ref;Ir 30mAΔ;If 2.0mAΔ;RMS Noise 100uVΔ;TC 20ppm/°CΔ
16	LM329CH	63	07	Z793	CN25	Precision 6.9V Volt Ref;Ir 30mAΔ;If 2.0mAΔ;RMS Noise 100uVΔ;TC 50ppm/°CΔ
17	LM329DH	63	07	Z793	CN25	Precision 6.9V Volt Ref;Ir 30mAΔ;If 2.0mAΔ;RMS Noise 100uVΔ;TC 100ppm/°CΔ
18	LM399AH	63	07	Z828	CN64	Precision 6.95V Ref;Ir 20mAΔ;If 1.0mAΔ;Temp Stab Volt 40VΔ,60 Sec Δ;RMS Noise 50uVΔ
19	LM399H	63	07	Z828	CN64	Precision 6.95V Ref;Ir 20mAΔ;If 1.0mAΔ;Temp Stab Volt 40VΔ,60 Sec Δ;RMS Noise 50uVΔ
20	MC1403AP1	63	07	Z900	MP404	Precision 2.5V Ref;Vi 4.5-35V;Io 10mA;Line Reg 4.5mVΔ;Load Reg 10mVΔ;Vo TC 25ppm/°CΔ
21	MC1403AU	63	07	Z900	MP401a	Precision 2.5V Ref;Vi 4.5-35V;Io 10mA;Line Reg 4.5mVΔ;Load Reg 10mVΔ;Vo TC 25ppm/°CΔ
22	MC1403P1	63	07	Z900	MP404	Precision 2.5V Ref;Vi 4.5-35V;Io 10mA;Line Reg 4.5mVΔ;Load Reg 10mVΔ;Vo TC 40ppm/°CΔ
23	MC1403U	63	07	Z900	MP401a	Precision 2.5V Ref;Vi 4.5-35V;Io 10mA;Line Reg 4.5mVΔ;Load Reg 10mVΔ;Vo TC 40ppm/°CΔ
24	MC1503AU	63	5C	Z900	MP401a	Precision 2.5V Ref;Vi 4.5-35V;Io 10mA;Line Reg 4.5mVΔ;Load Reg 10mVΔ;Vo TC 25ppm/°CΔ
25	MC1503U	63	5C	Z900	MP401a	Precision 2.5V Ref;Vi 4.5-35V;Io 10mA;Line Reg 4.5mVΔ;Load Reg 10mVΔ;Vo TC 55ppm/°CΔ
26	MCLTC6010	63	6H	Z655	CN58	Current Lim Volt Ref;Vref 6.72V max At VIN 31V;Vref Change 10mV at VIN 31V
27	MCLTC6025	63	6H	Z655	CN58	Current Lim Volt Ref;Vref 6.72V max At VIN 31V;Vref Change 25mV at VIN 31V
28	MCLTC6050	63	6H	Z655	CN58	Current Lim Volt Ref;Vref 6.72V max At VIN 31V;Vref Change 50mV at VIN 31V
29	MCLTC6100	63	6H	Z655	CN58	Current Lim Volt Ref;Vref 6.72V max At VIN 31V;Vref Change 100mV at VIN 31V
30	MN2000	63	07		MP452	Precision 10V Ref Source;VS ±15V;RO 200mΩ†;Outp Load 5.0mAΔ;Acc ±.05%Δ At Temp Range
31	MN2000H	63	5C		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.05%Δ at Temp Range
32	MN2001	63	07		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.10%Δ at Temp Range
33	MN2001H	63	5C		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.10%Δ at Temp Range
34	MN2002	63	07		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.05%Δ at Temp Range
35	MN2002H	63	5C		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.05%Δ at Temp Range
36	MN2003	63	07		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.10%Δ at Temp Range
37	MN2003H	63	5C		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.10%Δ at Temp Range
38	MN2004	63	07		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.05%Δ at Temp Range
39	MN2004H	63	5C		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.05%Δ at Temp Range
40	MN2005	63	07		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.10%Δ at Temp Range
41	MN2005H	63	5C		MP452	Precision 10V Ref Source;VS ±15V;Ro 200mΩ†;Outp Load 5.0mAΔ;Acc ±.10%Δ at Temp Range
42	REF01AJ	63	5C	Z595	TO99	Precision 10V Ref;Vo 10V±.30%,Io 10mA min;TC 8.5ppm/°C max for -55 to 125°C
43	REF01CJ	63	07	Z595	TO99	Precision 10V Ref;Vo 10V±1.0%,Io 8.0mA min;TC 65ppm/°C max for 0 to 70°C
44	REF01DJ	63	07	Z595	TO99	Precision 10V Ref;Vo 10V±1.5%,Io 8.0mA min;TC 70ppm/°C typ for 0 to 70°C
45	REF01EJ	63	07	Z595	TO99	Precision 10V Ref;Vo 10V±.30%,Io 10mA min;TC 8.5ppm/°C max for 0 to 70°C
46	REF01HJ	63	07	Z595	TO99	Precision 10V Ref;Vo 10V±.50%,Io 10mA min;TC 25ppm/°C max for 0 to 70°C
47	REF01J	63	5C	Z595	TO99	Precision 10V Ref;Vo 10V±.50%,Io 10mA min;TC 25ppm/°C max for -55 to 125°C
48	REF02AJ	63	5C	Z595a	TO99	Precision 5.0V Ref;Vo 5.0V±.30%,Io 10mA min;TC 8.5ppm/°C max for -55 to 125°C
49	REF02CJ	63	07	Z595a	TO99	Precision 5.0V Ref;Vo 5.0V±1.0%,Io 8.0mA min;TC 65ppm/°C max for 0 to 70°C
50	REF02DJ	63	07	Z595a	TO99	Precision 5.0V Ref;Vo 5.0V±2.0%,Io 8.0mA min;TC 70ppm/°C typ for 0 to 70°C
51	REF02EJ	63	07	Z595a	TO99	Precision 5.0V Ref;Vo 5.0V±.30%,Io 10mA min;TC 8.5ppm/°C max for 0 to 70°C
52	REF02HJ	63	07	Z595a	TO99	Precision 5.0V Ref;Vo 5.0V±.50%,Io 10mA min;TC 25ppm/°C max for 0 to 70°C
53	REF02J	63	5C	Z595a	TO99	Precision 5.0V Ref;Vo 5.0V±.50%,Io 10mA min;TC 25ppm/°C max for -55 to 125°C
54#	TAA940A	63	2F		CN25a	Reference Diode; Stabilized Volt 31V; Tc 10u V/°C; Diff. Res 10Ω.
55#	TAA940B	63	2F		CN25a	Reference Diode; Stabilized Volt 33V; Tc 10 uV/°C ; Diff Res 10Ω.
56#	TAA940C	63	2F		CN25a	Reference Diode;Stabilized Volt 35V;TC 10u °C;Diff Res 10Ω
57	TL430CJG	63	07		MP401d	Adjustable Shunt Regulator;Ref Input 2.5V Min;Reg Voltage 30V Max;Reg Curr 100mAΔ
58	TL430CLP	63	07		MP597	Adjustable Shunt Regulator;Ref Input 2.5V Min;Reg Voltage 30V Max;Reg Curr 100mAΔ
59#	ZN423T	63	07	Z778	CN25b	Precision 1.26V Voltage Reference;Rref 1.0ΩΔ,Iref 5.0mA;RMS Noise 6.0uV†
60#	ZN458	63	07	Z779	CN25b	Precision 2.45V Voltage Reference;Rref .2ΩΔ;Iref 120mAΔ;RMS Noise 10V†
61	L20V5	64	49	Z710	CN70	Overvoltage Protector;On State Curr 2.0A;Nom Supply 5.0V;Trip Point 6.6 ±.2V
62	L20V6	64	49	Z710	CN70	Overvoltage Protector;On State Curr 2.0A;Nom Supply 6.0V;Trip Point 7.3 ±.2V
63	L20V9	64	49	Z710	CN70	Overvoltage Protector;On State Curr 2.0A;Nom Supply 9.0V;Trip Point 10.5 ±.4V
64	L20V12	64	49	Z710	CN70	Overvoltage Protector;On State Curr 2.0A;Nom Supply 12V;Trip Point 13.7 ±.4V
65	L20V15	64	49	Z710	CN70	Overvoltage Protector;On State Curr 2.0A;Nom Supply 15V;Trip Point 17.0 ±.5V
66	L20V20	64	49	Z710	CN70	Overvoltage Protector;On State Curr 2.0A;Nom Supply 20V;Trip Point 22.8 ±.7V
67	L20V24	64	49	Z710	CN70	Overvoltage Protector;On State Curr 2.0A;Nom Supply 24V;Trip Point 27.3 ±.8V
68	L20V28	64	49	Z710	CN70	Overvoltage Protector;On State Curr 2.0A;Nom Supply 28V;Trip Point 31.9 ±1.0V
69	L60V5	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 5.0V;Trip Point 6.6±.2V♦
70	L60V6	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 6.0V;Trip Point 7.3±.2V
71	L60V9	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 9.0V;Trip Point 10.5±.4V
72▾	L60V10	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 10V;Trip Point 11.0±.5V
73	L60V12	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 12V;Trip Point 13.7±.4V
74	L60V15	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 15V;Trip Point 17.0±.5V
75▾	L60V18	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 18V;Trip Point 20.5±1.0V
76	L60V20	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 20V;Trip Point 22.8±.7V
77	L60V24	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 24V;Trip Point 27.8±.8V
78	L60V28	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 28V;Trip Point 31.9±1.0V
79	L60V30	64	4E	Z759	CN⧄	Overvoltage Protector;On State Curr 6.0A;Nom Supply 30V;Trip Point 33.5±1.0V
80	L120V5	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 5.0V,Surge Current 200A
81	L120V6	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 6.0V,Surge Current 200A
82	L120V9	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 9.0V,Surge Current 200A
83	L120V12	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 12V,Surge Current 200A
84	L120V15	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 15V,Surge Current 200A
85	L120V20	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 20V,Surge Current 200A
86	L120V24	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 24V,Surge Current 200A
87	L120V28	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 28V,Surge Current 200A
88	L120V30	64	49	Z710	MP601	Overvoltage Protector;On State Curr 12A,Nom Supply 30V,Surge Current 200A
89	L200V5	64	49	Z710	MP602	Overvoltage Protector;On State Curr 20A,Nom Supply 5.0V,Surge Current 260A
90	L200V6	64	49	Z710	MP602	Overvoltage Protector;On State Curr 20A,Nom Supply 6.0V,Surge Current 260A
91	L200V12	64	49	Z710	MP602	Overvoltage Protector;On State Curr 20A,Nom Supply 12V,Surge Current 260A
92	L200V15	64	49	Z710	MP602	Overvoltage Protector;On State Curr 20A,Nom Supply 15V,Surge Current 260A
93	L200V20	64	49	Z710	MP602	Overvoltage Protector;On State Curr 20A,Nom Supply 20V,Surge Current 260A
94	L200V24	64	49	Z710	MP602	Overvoltage Protector;On State Curr 20A,Nom Supply 24V,Surge Current 260A
95	L200V28	64	49	Z710	MP602	Overvoltage Protector;On State Curr 20A,Nom Supply 28V,Surge Current 260A
96	L200V30	64	49	Z710	MP602	Overvoltage Protector;On State Curr 20A,Nom Supply 30V,Surge Current 260A
97	L350V5	64	49	Z710	MP602	Overvoltage Protector;On State Curr 35A,Nom Supply 5.0V,Surge Current 350A
98	L350V6	64	49	Z710	MP602	Overvoltage Protector;On State Curr 35A,Nom Supply 6.0V,Surge Current 350A
99	L350V12	64	49	Z710	MP602	Overvoltage Protector;On State Curr 35A,Nom Supply 12V,Surge Current 350A
100	LM103H1.8	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 1.8V
101	LM103H2.0	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 2.0V
102	LM103H2.2	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 2.2V
103	LM103H2.4	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 2.4V
104	LM103H2.7	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 2.7V
105	LM103H3.0	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 3.0V
106	LM103H3.3	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 3.3V
107	LM103H3.6	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 3.6V
108	LM103H3.9	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 3.9V
109	LM103H4.3	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 4.3V
110	LM103H4.7	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 4.7V

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	LM103H5.1	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 5.1V
2	LM103H5.6	64	5C	Z645	CN25	Monolithic Regulator Diode;Pd 250mWΔ;IF 100mAΔ;VF 1.0VΔ At IF 10mA;BV 5.6V
3	LM113H	64	5C	Z176	CN25	Vref 1.22;Zdyn 1.0ΩΔ;Pd 100mWΔ;TC .01%°C.
4	MC3422R	64	07	Z791	TO66	Current Limiter W/Thermal Shutdown;Voltage Drop 4.5V,Limiting Current 225mA Typ
5	MC3422T	64	07	Z791	Y220b	Current Limiter W/Thermal Shutdown;Voltage Drop 4.5V,Limiting Current 225mA Typ
6	MC3423P1	64	06	Z789	MP404	Overvoltage Protector Used W/Ext Crowba SCR;Sense Voltage 6.5VΔ;Io 300mA
7	MC3423U	64	06	Z789	MP401a	Overvoltage Protector Used W/Ext Crowba SCR;Sense Voltage 6.5VΔ;Io 300mA
8	MC3523U	64	5C	Z789	MP401a	Overvoltage Protector Used W/Ext Crowba SCR;Sense Voltage 6.5VΔ;Io 300mA
9	TAA550	64	2E		CN28	Voltage Stabilizer for Capacitance Diodes in TV Tuners;Vstab 35VΔ;Is 5.0mAΔ
10#	TAA550A	64	07	Z378	CN28	Voltage Stabilizer;Vz 31V;Ri 25ΩΔ;TC 1.6mV/°CΔ;Iz 15mAΔ.
11#	TAA550B	64	07	Z378	CN28	Voltage Stabilizer;Vz 33V;Ri 25ΩΔ;TC 1.6mV/°CΔ;Iz 15mAΔ.
12#	TAA550C	64	07	Z378	CN28	Voltage Stabilizer;Vz 35V;Ri 25ΩΔ;TC 1.6mV/°CΔ;Iz 15mAΔ.
13#	TAA550K	64	2F		MP443	Temp. Compensated Volt. Stabilizer;VZ 30-35VΔ;RZ 12Ω;IZ 15mAΔ.
14#	TCA700X	64	XC	Z687	MP590	Car Volt Stab;Vi Rng-500mV to 16V;Ii 15A
15#	TCA750	64	2C	Z501	MP192a	Multi-Stabilizer for Electronic Tuning;Vi 26.5-54V;Io 14.5mAΔ;Stabilizing Time 800ms.
16#	TDA0723D	64	28	Z835	FP51	Voltage Stabilizer;Vin 9.5 To 40V;Vout 2.0 To 37V;Regulation:.50%Line,.60%Load 1 To 50mA
17#	TDD1605	64	XF		MP590	Volt Stabilizer;Vi 20Vmax;Load Current 500mA; ΔV ±5% Tolerance
18#	TDD1606	64	XF		MP590	Volt Stabilizer;Vi 20Vmax;Load Current 500mA; ΔV ±5% Tolerance
19#	TDD1608	64	XF		MP590	Volt Stabilizer;Vi 20Vmax;Load Current 500mA; ΔV ±5% Tolerance
20#	TDD1610	64	XF		MP590	Volt Stabilizer;Vi 20Vmax;Load Current 500mA; ΔV ±5% Tolerance
21#	TDD1612	64	XF		MP590	Volt Stabilizer;Vi 25Vmax;Load Current 500mA; ΔV ±5% Tolerance
22#	TDD1615	64	XF		MP590	Volt Stabilizer;Vi 25Vmax;Load Current 400mA; ΔV ±5% Tolerance
23#	TDD1618	64	XF		MP590	Volt Stabilizer;Vi 30Vmax;Load Current 300mA; ΔV ±5% Tolerance
24#	TDD1624	64	XF		MP590	Volt Stabilizer;Vi 40Vmax;Load Current 200mA; ΔV ±5%
25	WJL1	64	5A		CN59b	Volt Lim;-10 to OdBm;BW 50M-1000MHz;Ring 28dBmΔ;Insert Loss 2.5dBΔ at 20V Bias
26#	ZTK6.8	64	0F		DO35	Temp.compensated Volt.Stab.;Vz 6.5-7.2VΔ;Iz 90mA at TC 45°C;Rz 10Ω at 5.0mA.
27#	ZTK9	64	0F		DO35	Temp.Compensated Volt.Stab;Vz 8-10VΔ;Iz 63mA at Tc 45°C;Rz 10Ω at 5.0mA.
28#	ZTK11	64	0F		DO35	Temp.Compensated Volt Stab;Vz 10-12VΔ;Iz 53mA at Tc 45°C;Rz 10Ω at 5.0mA.
29#	ZTK18	64	0F		DO35	Temp.Compensated Volt.Stab;Vz 16-20VΔ;Iz 32mA at Tc 45°C;Rz 10Ω at 5.0mA.
30#	ZTK22	64	0F		DO35	Temp.Compensated Volt.Stab;Vz 20-24VΔ;Iz 27mA at Tc 45°C;Rz 10Ω at 5.0mA.
31#	ZTK27	64	0F		DO35	Temp.Compensated Volt.Stab;Vz 24-30VΔ;Iz 22mA at Tc 45°C;Rz 10Ω at 5.0mA.
32#	ZTK33	64	0F		DO35	Temp.Compensated Volt.Stab;Vz 30-36VΔ;Iz 19mA at Tc 45°C;Rz 10Ω at 5.0mA.
33	9004	65	57			VS ±15V;BW 0.0-3.0MHz*;SR ±.1Vus*;Ri 5.0k*;Pd 220mWΔ.
34	6280	66	58		MP460a	TV To Analog Display Converter;VS ±15V;Pd 1.5WΔ;Video In 1.4p-p;Video Out To 10V
35	A740	66	28	Z272	MP206b	Pin Cushion Correction Module;VS ±15V;3dB BW 10MHz min Horiz/Vert Correction.
36	A742	66	06	Z865	MP671	Pin Cushion Correction Module;Vs ±15V;3dB BW 3.0MHz† Horiz/Vert Correction
37#	AN221	66	26	Z248	TO116	Automatic fine tuning control circuit for TV(Pt 445mW).
38#	AN222	66	27	Z210	TO116	Automatic Fine Tuning Circuit for TV (Pt 700mW).
39#	AN240	66	27	Z064	TO116	Sound Channel Circuit for TV (Pt 445mW).
40#	AN240P	66	16	Z883	MP402c	TV Sound Channel Combination;Vcc 12V;Pd 445mW
41#	AN241P	66	16	Z883	MP402c	TV Sound Channel Combination;Vcc 11.2V;Pd 445mW
42#	AN246	66	16	Z884	MP178	TV Video Jungle Combination;Vcc 12V;Pd 520mW
43▼#	AN295	66	16		MP529	TV Deflecting Signal Process Circuit;VCC 13V;Pt 2.4W
44#	AN331	66	26		MP178	TV Video Processing Circuit;Vs 12V;Is 22mA;BW 4.5MHz;Vi 1.8Vpp.
45	CA1190GQ	66	48	Z924	MP464	TV Sound IF and Audio Output Subsystem;Power Output 3W,AM Rejection 50dB Typ;Vs 9-28V
46	CA1352E	66	48	Z446	Δ001AB	TV IF Amp;AGC,Keyer;Pd 750mW;Gain 52dB†;AGC gain reduction 66dB*
47	CA3041§	66	08	C024	MP50	Wide-band AMP/FM Detector/AF Preamp/Driver for TV audio system to 20MHz.
48	CA3042§	66	08	C025	MP50	Wide-band AMP/FM Detector/AF Preamp/Driver for TV audio system to 20MHz.
49	CA3064	66	48	Z055	CN19	TV Auto. Fine Tuning Ckt w/Wideband and DC Amps;Diff.Detector and Zener Diode Volt.Reg.
50	CA3064E	66	48	Z055	Δ001AB	TV Auto Fine Tuning Ckt w/Wideband and DC Amps;Diff Detector and Zener Diode Vott Reg
51	CA3068	66	48	Z120	MP215	TV Video IF System;ΔVs 20V;Pd 600mW.
52	CA3134E	66	48	Z450	MP468	TV Sound IF And Audio Output Subsystem;VCC 30V(App to Term 1);Po 3.0W;AM Rejection 50dB
53	CA3134EM	66	48	Z450	MP469	TV Sound IF And Audio Output Subsystem;VCC 30V(App to Term 1);Po 3.0W;AM Rejection 50dB
54	CA3134QM	66	48	Z450	MP585	TV Sound IF And Audio Output Subsystem;VCC 30V(App to Term 1);Po 3.0W;AM Rejection 50dB
55	CA3143E	66	48	Z678	Δ001AB	TV Luninance Processor;VS 11.8V†(at Term 13)
56	CA3144G	66	48	Z698	MP343a	TV Luminance Processor;Pd 750mW;Wide Band Gain 3.0dB†;Peaking Gain 13dB†
57	HEPC6069G-RT	66	48	Z055	CN19	Automatic Frequency Control;Input Signal V 2.0,-10Vdc;Pd 680mW;IS 12mA typ.
58	LM1351N01	66	07	Z033a	MP336a	TV Sound Ckt;FM DETECTOR,LIMITER and AUDIO AMP;VS 16V;Pd 850mW;Gv Amp 65dB.
59	LM1351N	66	07	Z033a	MP39n	TV Sound Ckt;FM DETECTOR,LIMITER and AUDIO AMP;VS 16V;Pd 850mW;Gv Amp 65dB.
60	LM1807N	66	07	Z839	MP579	TV Video IF Sys;VS 15V;Pd 55mAΔ;Conv Gain 72dB†;Neg Video ΔVo 1.2V;IF AGC Rng 70dB†
61	LM1808N	66	07	Z650	MP579	TV Sound System;VS 24V;Dist 2.0% At 2W,Zi 50kΩ*;AM Rejection 40dB*
62	LM1845N	66	07	Z291	MP337c	TV Signal Processing System;Pd 625mW;AGC Threshold 5.3V;VS 24V
63	LM3064H	66	48	Z290	CN17j	TV Automatic Fine Tuning Ckt;Vcc 30V;Pt 150mWΔ;ID 9.5mAΔ.
64	LM3064N	66	48	Z290	MP39n	TV Automatic Fine Tuning Ckt;Vcc 30V;Pt 150mWΔ;ID 9.5mAΔ.
65#	M5134P§	66	28	E068	MP55	High Frequency Wide-Band Amp/Phase Detector/for TV AFC System.
66#	M5135P	66	27	Z055a	MP14g	TV Auto.Fine tuning ckt w/Wideband and DC Amps;Diff.Detector and Zener Dio. V. Reg.
67#	M5143P	66	28	Z142	MP14g	IF Amp-Limiter/FM Detector/Attenuator/Audio Driver/for TV Sys.;Pd 370mW;Ri 70k;Ro 270.
68#	M5144P	66	17	Z707	MP14g	IF Amp-Limiter/FM Detector/Attenuator/Audio Driver for TV Sys;Vs 12V
69#	M5183P	66	27	Z187	MP14j	TV Video IF Amp with AGC and Keyer Circuit;Vs 12V;Pd 325mW.
70#	M5186P	66	17	Z894	MP684	TV IF Amp and Signal Processor;Vs 12V
71#	M5195P	66	17	Z897	MP343b	Video Signal Processor for TV;Vs 12V
72#	M51231P	66	27	Z688	MP252g	Swiching Amp For 4-Channel Touch Tuning;Vs 5.0V;Ptot 700mw
73	MC1330A1P	66	07	Z712	MP161	Low Level Video Detector;Vs 20V; Conversion Gain 33dbt†,Zero Signal DC Vo 8.2V Max
74	MC1330A2P	66	07	Z712	MP161	Low Level Video Detector;Vs 20V; Conversion Gain 33dbt†,Zero Signal DC Vo 8.2V Max
75	MC1331P	66	07	Z510	MP307	Low Level Video Detector;Pd 1.2WΔ;VCC 12V;Vi 2.0VrmsΔ;Video Io 5.0mAΔ;Syn I 4.0mAΔ.
76	MC1344P	66	07	Z352	MP307	TV Signal Processor;VS 18V;IS 22mA;Pd 625mW;Vi 10V;TC 1.0mV/°CΔ.
77	MC1351P	66	07	Z033	MP25a	TV Sound Circuit;Pt 625mW;THD 1.0%;IF Gain 65db; Rin 9.0kΩ.
78	MC1391P	66	07	Z353a	MP161	TV Horizontal Processor;Vo 40Vdc max;Io 30mAdc max;Pd 625mW max.
79	MC1393P	66	07	Z794	MP308a	TV Vertical Processor;Injection Locked Osc;Independ Size and Hold Controls
80	MC1394P	66	07	Z353	MP161	TV Horizontal Processor;Vo 40V dc max,Io 30mA dc max,Pd 625mW max,Neg Flyback Input
81#	ML231BDG	66	06	Z578	MP178g	6 Channel MOS Touch Tuner;VDD Ref To VSS -30 To -36V;Sense In Threshold .6VDDΔ
82#	ML231BDP	66	06	Z578	MP104c	6 Channel MOS Touch Tuner;VDD Ref To VSS -30 To -36V;Sense In Threshold .6VDDΔ
83#	ML232BDG	66	06	Z579	MP178g	6 Channel MOS Touch Tuner;VDD Ref To VSS -30 To -36V;Stepping Facility
84#	ML232BDP	66	06	Z579	MP104c	6 Channel MOS Touch Tuner;VDD Ref To VSS -30 To -36V;Stepping Facility
85#	ML236	66	06	Z580	MP280	6 Channel Cascadable Touch Control Interface;VDD Ref To VSS -30 To -36V
86#	ML237	66	06	Z581	MP565	6 Channel Touch Control Interface;VDD Ref To VSS -30 To -36V;Mute Period 400ms
87#	ML238	66	06	Z582	MP280	8 Channel Touch Control Interface;VDD Ref To VSS -30 To -36V;Mute Period 10ms
88#	ML239	66	06	Z582a	MP280	8 Channel Touch Control Interface;VDD Ref To VSS -30 To -36V;Mute Period 400ms
89▼	MM5840N	66	07	Z978	MP728	TV Channel Number and Time Display Circuit;Five or Eight Digit Display;Vs 12VDC
90▼	MM5841N	66	07	Z979	MP728	TV Channel Number and Time Display Circuit;Five or Eight Digit Display;Vs 12VDC
91▼	MM53100N	66	48	Z975	MP727	Programmable TV Timer;Vs 5.0VDC;Freq 50-60Hz;ViL .5V;ViH 4.5V;Positive Vref
92▼	MM53104N	66	07	Z976	MP491	TV Game Clock Generator;Vs 15VDC;Is 15mA;Pd 500mWΔ;VoL .05Δ;VoH 14.9*
93▼	MM53105N	66	48	Z975	MP727	Programmable TV Timer;Vs 5.0VDC;Freq 50-60Hz;ViL .5V;ViH 4.5V;Vref 0.0V
94#	PL3064	66	48		TO116	TV Auto Fine Tuning Ckt;Wideband and DC Diff Detector and Zener Diode Volt Reg
95#	PL3065	66	48		TO116	TV Sound System;IF Amp Limiter;FM Detector;Elect Attenuator;Audio Driver
96	PTC726-RT	66	48	Z610	MP14ag	Sound Channel for TV;ICC 50mA max;Pd 850mW max.
97	PTC731-RT	66	27	Z614	MP178h	Video Signal Processor;VCC 27VΔ;Pd 600mWΔ;Video In Volt 10VΔ
98	PTC745-RT	66	07	Z624	MP14ag	TV Sound System;VCC 16VΔ;ICC 31mA†;Pd 625mWΔ;IF Volt Gain 65dB†
99	PTC746-RT	66	07	Z625	MP14ag	TV Video IF Amp/AGC/Keyer;VCC 18VΔ;Pd 625mWΔ;Signal Input Volt 10Vp-pΔ
100	PTC747-RT	66	5C	Z626	TO100	TV Wide-Band Amp/Discrim;VCC 13VΔ;Pd 300mWΔ;Input Volt ±3.0VΔ
101	PTC754-RT	66	38	Z627	MP14ag	TV Automatic Frequency Tuning;ICC 9.5mAΔ;Pd 325mWΔ
102	PTC781-RT	66	27	Z881	MP680	TV Sound IF Amp;Vs 15VΔ;Is 14mAΔ,So Sig;Pd 400mWΔ;Gv 56dB†;Vo 800mV†
103▼	PTC804-RT§	66	27	C025	MP50	Wide-Band Amp;FM Det;AF Preamp;AF Driver for Mono FM and TV Sound to 20MHz
104#	SAA1024	66	16		MP104d	Thirty Channel Ultrasonic Trans For Remote Controlled TV Receivers;Vss 300mV To -12V
105#	SAA1025	66	26	Z694	MP104d	Thirty Channel Ultrasonic Trans For Remote Controlled TV Receivers;Vdd -20V
106#	SAS560S	66	06	Z493a	MP317a	Switching Amp for 4-Channel Touch Tuning;Vs 4.7V;Ptot 700mW.
107#	SAS570S	66	06	Z493	MP317a	Switching Amp for 4-Channel Touch Tuning;Vs 4.7V;Ptot 700mW.
108#	SAS660	66	06	Z721a	MP252	Elect Sensor Switch For 4Chan Selection;Chan 1 Preferred;Pt440 Tun Volt29-37VmWΔ
109#	SAS660Q	66	06	Z721a	MP607	Elect Sensor Switch For 4Chan Selection;Chan 1 Preferred;Pt 440mWΔ;Tun Volt 29-37V
110▼#	SAS660S	66	06		MP177	Elect Sensor Switch for 4Chan Selection; Chan 1 Preferred;Pt440mWΔ; Tun Volt 29-32V

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE	DRAWINGS CKT.	OUT-LINE Δ=MO	GENERAL DESCRIPTION
1#	SAS670	66	06	Z721	MP252	Elect Sensor Switch For 4Chan Selection;Pt 440mWΔ;Tun Volt 29-37V;Tun Cur 5.0mAΔ
2#	SAS670Q	66	06	Z721	MP607	Elect Sensor Switch For 4Chan Selection;Pt 440mWΔ;Tun Volt 29-37V;Tun Cur 5.0mAΔ
3▼#	SAS670S	66	06		MP177	Elect Sensor Switch for 4Chan Selection;Pt440mWΔ; Tun Volt 29-32V; Tun Cur 50mAΔ
4#	SAS6600	66	06	Z722c	Δ001AC	Elect Sensor Switch For 4Chan Selection;Chan 1 Preferred;Pt440mWΔ;Tun Volt 17-36V
5#	SAS6600Q	66	06	Z722c	MP608	Elect Sensor Switch For 4Chan Selection;Chan 1 Preferred;Pt 440mWΔ;Tun Volt 17-36V
6#	SAS6610	66	06	Z722a	Δ001AC	Elect Sensor Switch For 4Chan Selection;Chan 1 Preferred;Pt 440mWΔ;Tun Volt 17-36V
7#	SAS6610Q	66	06	Z722a	MP608	Elect Sensor Switch For 4Chan Selection;Chan 1 Preferred;Pt 440mWΔ;Tun Volt 17-36V
8#	SAS6700	66	06	Z722	Δ001AC	Elect Sensor Switch For 4Chan Selection;Pt 440mWΔ;Tun Volt 17-36;Tun Cur 5.0mAΔ
9#	SAS6700Q	66	06	Z722	MP608	Elect Sensor Switch For 4Chan Selection;Pt 440mWΔ;Tun Volt 17-36V;Tun Cur 5.0mAΔ
10#	SAS6710	66	06	Z722b	Δ001AC	Elect Sensor Switch For 4Chan Selection;Pt 440mWΔ;Tun Volt 17-36V;Tun Cur 5.0mAΔ
11#	SAS6710Q	66	06	Z722b	MP608	Elect Sensor Switch For 4Chan Selection;Pt 440mWΔ;Tun Volt 17-36V;Tun Cur 5.0mAΔ
12	SK3022-RT	66	5C	E021	Δ006AF	7.5V,Sound IF-Amplifier Stages for TV Receivers.
13	SK3023-RT	66	5C	E021	Δ006AF	7.5V,Sound IF-Amplifier Stages for TV Receivers.
14	SK3101-RT	66	48	C024	Δ001AB	140V,Sound IF Amp.Limiter,FM Detection,AF Preamp and AF Driver Stages for TV Receivers.
15	SK3102-RT	66	48	C025	Δ001AB	140V,Sound IF Amp.Limiter,FM Detection,AF Preamp and AF Driver Stages for TV Receivers.
16#	SL439	66	16	Z913	MP401h	TV IF Preamplifier;Vs 6.3V;Quiescent Current 26mAΔ;Fco 50MHz*;Gv 24dBΔ;N.F. 4dB†
17#	TAA570☑	66	16	Z229	CN27b	6 Stage Limiting IF Amp w/Quadratur Detector;VS 12V;IS 19mA;Dist 1.5%;Sens 100uV.
18#	TBA120SDP	66	17	Z588	MP39p	Limiting IF Ampl/FM Detector;VS 12V;Freq To 12MHz;IF Gain 68dB†;Vol Cont 70dB†
19#	TBA120SQP	66	17	Z588	MP50c	Limiting IF Ampl/FM Detector;VS 12V;Freq To 12MHz;IF Gain 68dB†;Vol Cont 70dB†
20#	TBA750B	66	16	Z231	MP104c	Limiting IF Amplifier/FM Detector;VS 12V;THD .5% At 15kHz Duration;Upper 3dB Point 30MHz
21#	TBA890	66	28	Z310	MP252a	TV Signal Processing Circuit;Vs 12V;Gv 7.0dB;Pd 700mW;BW 5.0MHz*.
22#	TBA890Q	66	28	Z310	MP256	TV Signal Processing Circuit;VS 12V;Gv 7.0db;Pd 700mWΔ;BW 5.0MHz*.
23#	TBA900	66	28	Z310	MP252a	TV Signal Processing Circuit;Vs 12V;Gv 7.0db;Pd 700mWΔ;BW 5.0M*.
24#	TBA900Q	66	28	Z310	MP256	TV Signal Processing Circuit;VS 12V;Gv 7.0db;Pd 700mWΔ;BW 5.0MHz*.
25#	TBA920	66	26	Z329	MP192a	Line Oscillator Combination;Vs 12V;Pd 600mWΔ;Video Inp Sign 3.0V;Ri 400Ω.
26#	TBA920Q	66	26	Z329	MP256	Line Oscillator Combination;VS 12V;Is 36mA;Video Inp Sign 3.0V;Ri 400Ω.
27#	TBA920S	66	26	Z329	MP192a	Line Oscillator Combination;Vs 12V;Pd 600mWΔ;Video Inp Sign 3.0V;Ri 400Ω.
28#	TBA950-1	66	6	Z589	MP39p	TV Signal Processing Ckt;Osc Freq 15.625Hz;Output Pulse Duration 26usΔ;IS 45mAΔ
29#	TBA950-2	66	6	Z589	MP39p	TV Signal Processing Ckt;Osc Freq 15.625Hz;Output Pulse Duration 28usΔ;IS 45mAΔ
30#	TBA970	66	24	Z330	MP192a	Video Amp.for Horizontal Synchronising Ckt;Vs 15V;Bw 6.0MHz;Pd 750mW.
31	TBA970Q	66	24	Z330	MP177c	TV Video Amplifier;VS 15V;BW 6.0MHz;Pd 750mW
32#	TBA1440G	66			MP252m	Video IF IC for B/W and Color TV Sets;Control for PNP Tuner,Prestages;Vs 15V,Pd 700mW
33#	TBA1441	66			MP252m	Video IF IC for B/W and Color TV Sets;Control for PNP Tuner,Prestages;Vs 15V,Pd 700mW
34#	TCA270	66	25	Z269	MP192a	TV Signal Processing Ckt;VS 12V;Freq 39.5MHz;Sens 70mV;Video Outp. 3.0V.
35#	TCA270DG	66	15	Z590	MP178g	Viieo Demodulator And AFC;VS 12V;3dB BW Of Video Output 5.0MHz;Diff Gain 10%,Phase 10°
36#	TCA270DP	66	15	Z590	MP104c	Video Demodulator And AFC;VS 12V;3dB BW Of Video Output 5.0MHz;Diff Gain 10%,Phase 10°
37#	TCA270Q	66	25	Z269	MP256	TV Signal Processing Ckt;VS 12V;Freq 39.5MHz;Sens 70mV;Video Outp. 3.0V.
38#	TCA270S	66	25	Z914	MP192a	TV Signal Processing Circuit for Receivers Conf to CCIR Sys B or G;Carrier Mod 10%.
39#	TCA270SQ	66	25	Z914	MP701	TV Signal Processing Circuit;Vs 12V†;Is 47mA†;Pt 1.0WΔ;Video Vo 3.0Vp;BW 3dB 5.0MHz†
40#	TCA511	66	06	Z379	MP104a	TV Horizontal and Vertical Processor;Vs 15V;Ps 500mW;Vi 5.0VΔ;DC Cur 50mAΔ.
41#	TDA440	66	27	Z267	MP252	ZF Picture Amp.for Color and B/WTV;Pt 700mW;Vs 15V;Freq. 8.0-10MHz;Ri 1.4kΩ.
42#	TDA1035	66	XF		MP325	Sound Chan IC;Pd 4.0W;Vs 30V;Io 2.5A
43#	TDA1044	66	2F	Z554	MP464	Frame Scan Ckt for TV Receivers;VS 22V.
44#	TDA1170	66	06	Z806	MP325	TV Vert Deflection Sys;Vs 25V,Is 140mA;Yoke Current 1.6A P-P;Flyback Voltage 51V typ
45#	TDA1190	66	06	Z471	MP325	Complete TV Sound Channel;VS 28VΔ;Po 4.2W;Vi(threshold)30uV;Pd 5.0WΔ.
46#	TDA1190Z	66	06	Z471	MP325	TV Sound Channel;Vs 28Vmax;Po 4.2W typ;Vi(threshold) 40uV typ; AF Out 120mV typ
47	TDA1190Z☑	66	07	Z904	MP685	IF Lim-Amp/Low-Pass Fil/FM Det/DC Vol Control/Audio Power and Preamp;Vcc 24V;Po 4.2W†
48#	TDA2571	66	26	Z938	MP545b	Horizontal Sync and Vertical Divider;Vs 12V;Pd 1.0WΔ;Sync Vi .07-1.0Vp-p
49#	TDA2571Q	66	26	Z938	MP701	Horizontal Sync and Vertical Divider;Vs 12V;Pd 1.0WΔ;Sync Vi .07-1.0Vp-p
50#	TDA2590	66		Z946	MP252m	Horizontal Combinator for TV;Vs 12V
51#	TDA2600	66	05	Z505	MP337f	Vertical Deflection Ckt;Vs 36V†;Pd 7.0WΔ;Io 7.0Ap-pΔ;Is 380mA†
52#	TDA2600Q	66	05	Z505	MP256	Vertical Deflection Ckt;Vs 36V†;Pd 7.0WΔ;Io 7.0Ap-pΔ;Deflection Curr 3.6A†
53#	TDA2670	66	27	Z940	MP545b	TV IF Amp-Demodulator;Vs 12V;Pd 720mWΔ;IF Vi 900uVrms†;BW 3dB 4.5MHz*;Vo 2.7Vp-p†
54▼#	TDA2690	66	28	Z941	MP545b	TV Signal Processing Circuit;Vs 12VDC;ΔVi 2.7V;Gv 7dB†;Horizontal Vo ±4.0V;Vert Vo 11V
55▼#	TDA2790	66	26	Z994	MP545b	Television-Sound Combination;Vs 12V;Freq 5.5MHz;Limiting Vin 100uV;A.F. Amp Gv 8dB
56#	TDA4180P	66	08	Z728	MP609	Front End Amp For Remote Control Ultrasonic or IF Transm;Vs 17VΔ;Is 10mAΔ;Gv 83db
57#	TDA9400	66	26	Z555	MP177	Line Ckt for TV Receiver;VS 14V.
58#	TDA9500	66	26	Z555	MP177	Line Ckt for TV Receiver;VS 14V.
59	uA1394TC	66	07	Z691	MP487	TV Horizontal Processor;Vo 40V;Is 40mA;Io 30mA;Pd 625mW;Sync Vi(Pin 3) 5.0Vp-p
60	uA3064HC	66	48	Z055	CN1d	TV Automatic Fine Tuning Ckt;VS 30V;Pd 150mWΔ;Freq Dev 25kHzΔ;Det Diff Volt ±10V
61	uA3064PC	66	48	Z055a	MP252f	TV Automatic Fine Tuning Ckt;VS 30V;Pd 150mWΔ;Freq Dev 25kHzΔ;Det Diff Volt ±10V
62	uA3065PC	66	48	Z666	MP252f	TV Sound System;Pd 400mWΔ;Audio Out 5.8VΔ;Total Harmonic Dist 2.0%
63	ULN2125A	66	27	Z815	MP104h	Video Signal Processor;VCC 24V;Pd 600mWΔ;Video Pre-Amp,AGC,SYNC,Noise Detector.
64	ULN2165A	66	48	Z819	MP250b	TV Sound Chan;Reg Zener 10.3 To 12.2V;Is 16mA Typ;IF In Thresh 400uVmax;AF Out 7Vpp
65▼	ULN2211B	66	27	Z477	MP504	Sound Channel for TV;VCC 24V;Icc 45mA†;Po 2.0W;THD 10%Δ
66▼	ULN2212B	66	48	Z478	MP104b	Sound Channel for TV;VCC 14V;Icc 35mA;Po 1.0W;THD 10%Δ;Zin 50k
67	ULN2264A	66	27	Z822	MP153a	TV Auto Fine Tuning Ckt w/Wideband and DC Amps;Diff Detector;Zener Reg.
68#	ZNA103E	66	5C	Z484	MP520	Video Timing Generator;VCC 5V;IS 75mA;fclock 656.25kHz;tr 50ns max;Isink 1mA.
69#	AN179	67	16	Z771	MP681	TV Video Jungle Combination;Vcc 12V;Pd 650mW;Itot 22.6mA
70#	AN228W	67	16		MP178	TV Video Signal Processing;VCC 12V;Pd 490mW
71#	AN234	67	27		MP104	Color TV Chroma IF Amp;Vs 12V;Is 27mA;Gv 40db;Input res 2.1kΩ.
72#	AN235	67	27		MP104	Color TV Chroma IF Amp;Vs 12V;Is 27mA;Gv 34db;Input Res 2.0kΩ.
73#	AN236	67	27		TO116	Color TV Subcarrier Regenerator;Vs 12V;Is 27mA;ACC Sensitivity 230mV.
74#	AN239	67	16		MP576	TV Video IF,Sound IF;VCC 12V;Gv 24dB;THD 1%;Pd 1.11W
75#	AN245	67	16		MP178	TV Video Signal Processing;VCC 12V;Pd 520mW
76#	AN255	67	26	Z770	MP353	TV Sound IF Amp;Detector;AF Output;Vcc 18V;Po 1.4W;THD 0.85%
77#	AN281	67	27	Z519	MP104	TV PAL Color Demodulator;Vs 12V;Pt 510mW.
78#	AN282	67	27	Z520	MP104	TV PAL Color Demodulator;Vs 12V;Pt 490mW.
79#	AN306	67	16	Z886	MP576	VTR Color APC Circuit;Vcc 12V;Pd 922mW
80#	AN307	67	16	Z887	MP576	VTR Color AFC Circuit;Vcc 12V;Pd 1.05mW
81#	AN321	67	26	Z772		TV Automatic Fine Tuning Combination;Vcc 14.4V;Pd 343mW;Gv 39dB
82#	AN325	67	16		MP178	TV Automatic Fine Tuning;Tuning Indicator;VCC 12V;Pd 440mW
83#	AN337	67	16		MP576	VTR Color Processing Combination;Vcc 12V;Pd 820mW
84#	AN340	67	27	Z524	TO116	TV Color Sound Channel Combination;VS 12V;Pt 445mW.
85#	AN342	67	27		MP178	Color Demodulator Circuit for Color TV (Pt 490mW).
86#	AN380	67	26	Z773	MP520b	TV Tuning System Combination;Vcc 14.4V;Pd 440mW
87	CA1391E	67	08	Z674	MP446	POS Horizontal Sawtooth Input;VS 8.6V†;Osc Pull-in Range ±300Hz†;Thermal Res 200°C/W
88	CA1394E	67	08	Z674	MP446	NEG Horizontal Sawtooth Input;VS 8.6V†;Osc Pull-in Range ±300Hz†;Thermal Res 200°C/W
89	CA1398E	67	48		MP250	Chroma Processor;IS 35mA;Chroma Gain 7(max) to 310(min)mVpp;ACC action 7dB typ.
90	CA3066	67	48	Z118	MP214	TV Chroma System,Chroma Signal Processor;ΔVs 11V;Pd 600mW;Vi 11V.
91	CA3067	67	48	Z119	MP214	TV Chroma System,Chroma Demodulator;ΔVs 11V;Pd 600mW;Vi 3.5V.
92	CA3070	67	48	Z205	Δ001AC	TV Chroma System,Chroma Signal Processor;ΔVs 24V;Pd 530mW.
93	CA3071	67	48	Z123	Δ001AB	TV Chroma System,Chroma Amp;ΔVs 24V;Pd 530mW.
94	CA3072	67	48	Z125	Δ001AB	TV Chroma System,Chroma Demodulator;ΔVs 24V;Pd 530mW;Vi 5.0V.
95	CA3120E	67	48	Z291	Δ001AC	Signal Processor Jungle Ckt;VS 24V;Vth(AGC)4.5-5.5V;Intern Noise Lck-Out Time 63usΔ
96	CA3121E	67	48		MP252	Chroma Amp/Demodulator;VS 30V;IS 44mA max;Sensitivity 15mVrms max.
97▼	CA3121G	67	48	Z1020	Δ001AC	Chroma Amp/Demodulator;Vs 30V;Is 50mAΔ;Input Sensitivity 15mVrmsΔ;Vo 2.8V*
98	CA3125E	67	48		MP250	Chroma Demodulator;VS 20V;IS 9.6mA.
99	CA3126Q	67	48		MP214	Chroma Processor;VS 11.9V;IS 25mA;Pd 750mW.
100	CA3128Q	67	48	Z449	MP467	TV Chroma Processor;Pull-in Freq 500Hz;PAL Identification Output 1Vp-p.
101	CA3135G	67	48	Z760	Δ001AC	Luminance and Chrominance Control Combination;ΔVS 12V†
102	CA3136E	67	48	Z761	MP468	Synchronous Demodulator;VS12V†;Pd1.4WΔ;Video BW9.0MHz;R:4.0kΩ
103	CA3137E	67	48	Z675	Δ001AC	TV Chroma Demodulator;VCC 11.2V;IS 35mA;Pt 750mW
104	CA3138AG	67	5C	Z511	Δ001AB	4NPN Tran;Pt2.0W;BVcbo 25V;Vceo 15V;BVebo 5.0V;Ic 1.0AΔ
105	CA3139E	67	48	Z676	Δ001AB	TV Automatic Fine Tuning Ckt;VCC 28V;IS 15-20mA;Shunt Reg Vott 12-14.5V
106	CA3142E	67	48	Z291	Δ001AC	Signal Processor Jungle Ckt;VS 24V;Vth(AGC)4.5-5.5V;Intern Noise Lck-Out Time 63usΔ
107	CA3170E	67	48	Z925	Δ001AC	TV Chroma System;Subcarrier Regen,ACC/APC Detection,Tint Control;Vs 24V;Osc Pull-In 400Hz
108	CA3172G	67	48	Z926	Δ001AB	TV Chroma Demodulator;Vs 24V;Pd 530mW;Chroma Input Sensitivity 0.2Vp-p
109▼	CA3221G	67	48	Z1021	Δ001AC	Chroma Amp/Demodulator;Vs 30V;Is 50mAΔ;Input Sensitivity 20mVrmsΔ;Vo 2.8V*
110	HEPC6067G-RT	67	07	Z366	TO100	Dual Doubly Balanced Chroma Demodulator;Pd 680mW;VS 24Vdc;Quies.IC 6.0mA typ.

11. MISCELLANEOUS

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1▼#	LA1320	67	16	Z1010	MP153a	Sound IF Amp Including DC Volume Controller With Good Thermal Characteristics
2#	LA1352	67	28	Z381	MP153a	Color TV VIF and AGC;12V;Pd 500mW;AGC 60db min;PG 50db;Vo 200mVrms min.
3#	LA1353	67	28	Z381a	MP153a	Color TV VIF and AGC;12V;Pd 500mW;AGC 60db min;PG 50db;Vo 200mVrms min.
4#	LA1364	67	28	Z382	MP153a	Color TV AFT Farb-TV Automatische Feinabstimmung 30V;Pd 140mW†.
5#	LA1365	67	28	Z383	MP153a	Color TV SIF with AF Amp;THD 5% max;VG 17.5db min;AMR 40db min.
6▼#	LA1368	67	17	Z1011	MP153a	Chroma Processor on DC Control of Tint and Color Including ACC
7▼#	LA1369	67	17	Z1012	MP153a	Chroma Processor of Double Balanced Synchronous Demodulator
8▼#	LA1387	67	17	Z1013	MP520	Horizontal and Vertical Deflection Circuit,Synchro Pulse Processor for PAL
9▼#	LA1388	67	17	Z1013	MP520	Horizontal and Vertical Deflection Circuit,Synchro Pulse Processor for NTSC
10▼#	LA1390	67	18	Z1014	MP104	Chroma Circuit Unnecessary of Control on ACC Killer Circuit
11	LM746N	67	07	Z062	MP39n	Color Television Chroma Demodulator;VS 24V;RL 3.3kΩ;Pd 340mW†.
12	LM1828N	67	07	Z840	MP39n	Chroma Demod;VS 24V;IS 25.5mAΔ;Pd 430mWΔ;Output TC 3.0mV/°C;R-Y ΔVo 4.2V,G-Y ΔVo 1.25V
13	LM3067N01	67	48	Z119	MP214a	TV Chroma System Demodulator;VS 11.2V;Total Supply 33mA max.
14	LM3067N	67	48	Z119	MP337c	TV Chroma System Demodulator;VS 11.2V;Total Supply 33mA max.
15	LM3070N01	67	48	Z205	MP214a	TV Chroma System Subcarrier Regenerator;VS 24V;Pd 550mW;IS 25.5mA.
16	LM3070N	67	48	Z205	MP337c	TV Chroma System Subcarrier Regenerator;VS 24V;Pd 550mW;IS 25.5mA.
17	LM3071N01	67	48	Z123	MP336a	TV Chroma System IF Amp;VS 24V;Pd 550mW;IS 31mA.
18	LM3071N	67	48	Z123	MP39n	TV Chroma System IF Amp;VS 24V;Pd 550mW;IS 31mA.
19	LM3072N	67	48	Z125	MP39	TV Chroma System;Chroma Demodulator;ΔVs 24V;Pd 530mW;Vi 5.0V.
20#	M5167P	67	27	Z495	MP343b	TV Video IF Amplifier with AGC;VS 12V;Gain 58dB IFAGC;Forward and Reverse AGC.
21#	M5168P	67	27	Z494	MP343b	TV Low Level Video Detector/Video Amplifier;VS 12V;Gc 20dB;Vo max 4.0Vp-p.
22#	M5169P	67	27	Z496	MP522	TV Low Level Detector;VS 20V;Gc 20dB;Vo max 3.0Vp-p.
23#	M5190P	67	27	Z182	MP14g	TV Color Processing Circuit;Pt 700mW;Vs 390Ω 20V;Is 27mA.
24#	M5192P	67	27	Z498	MP14g	Chroma Demodulator for NTSC Color TV;VS 24V;IS 22mA.
25#	M5193P	67	17	Z895	MP684	Chroma Processor and Demodulator for NTSC Color TV;Vs 12V
26#	M5194P	67	17	Z896	MP684	Chroma Processor and Demodulator for PAL Color TV;Vs 12V
27	MC1323P	67	07	Z454	MP308a	Triple Doubly Balanced Chroma Demodulator w/Adj Outp Matrix;Pd 1.25WΔ;VCC 18V.
28	MC1323PW	67	07	Z454	MP308a	Triple Doubly Balanced Chroma Demodulator w/Adj Outp Matrix;Pd 2.2WΔ;VCC 18V.
29	MC1324P	67	07	Z322	TO116	Dual Doubly Bal.Chroma Demod.w/RGB Matrix and Chroma Driver;Vs 30Vds;Min RL2.2kΩ;Pd 625mW
30▼	MC1327N	67	27	Z575	MP153h	Dual Dolby Bal Chroma Demod;VCC 24V;Pd 625mWΔ;Vi 550mVp-pΔ,Vo 5.0Vp-p
31	MC1327P	67	27	Z575	MP307	Dual Doubly Balanced Chroma Demod;VCC 24V;Pd 625mWΔ;Vi 5.0V pk;Vo 14.5V
32	MC1328P	67	07	Z077a	MP25c	Dual Doubly Balanced Chroma Demod;5.0V p-p out for 300mV p-p in;Vos out 600mV max.
33	MC1329P	67	07	Z329	TO116	Monolithic Dual Doubly Bal.Chroma;Vs 30Vds max;Pd 625mW max;Min RL 2.2kΩ.
34	MC1370P	67	07	Z205	MP308	T.V.Chroma Subcarrier Regenerator;Pt 625mW;Vs 24V;Zin 2.1kΩ†.
35	MC1371P	67	07	Z238	MP307	T.V. Chroma IF Amp;Pt 625mW;Vs 24V;Zin 2.0kΩ†.
36	MC1398P	67	27	Z182	TO116	TV Color Processing Circuit;Pt 625mW;VI 11.5V max-Power Supply I 35mA.
37	MC1399	67	27	Z518a	MP308a	TV Color Processing Ckt;Vs 24V;Is 60mAΔ;ACC,APC,Color Killer;DC Chroma and Tint Control
38▼	N5070B	67	07		MP192	Chroma Signal Processor
39▼	N5071A	67	07		MP153	Chroma Amplifier
40▼	N5072A	67	07		MP153	Chroma Demodulator
41#	PL630	67	26	Z195	MP117	Dual Sync Demodulator;VS 12V;Pd 550mWΔ;Input Imp 1.0kΩ
42#	PL3070	67	27		MP177	TV Chroma Subcarrier Regeneration Sys;Pd 530mWΔ;Reg Volt 12.9VΔ;Osc 7.6mAΔ
43#	PL3071	67	27		TO116	TV Chroma Sys IF Amp;VS 24V;Pd530mWΔ;IS 31mA
44	PTC705-RT	67	48	Z601	MP14ag	Color TV Chroma Demodulator;VCC 28V max.
45	PTC707-RT	67	48	Z602	TO100	Color TV Chroma Demodulator;VCC 28V max.
46	PTC708-RT	67	48	Z603	CN41	Color TV Chroma Demodulator;VCC 28V max.
47	PTC719-RT	67	27	Z609	MP14ag	Chroma Amplifier;VCC 27VΔ;ICC 31mA;Pd 530mWΔ;Chroma Vout 2.0Vrms†
48	PTC728-RT	67	27	Z601	MP14ag	Dual Double-Bal Chroma Demod;VCC 30VΔ;Pd 625mWΔ;RL 3.0kΩΔ;Chroma Inj Volt 5.0VppΔ
49	PTC730-RT	67	27	Z613	MP14ag	TV Automatic Freq Tuning;ICC 12mA†;Pd 140mW†;IF Amp Out Volt 20VΔ
50	PTC733-RT	67	27	Z616	MP178h	Chroma Amp/Demodulator;VCC 30VΔ;ICC 50mAΔ;Pd 600mWΔ;Chroma In DC Volt 5.5V†
51	PTC739-RT	67	27	Z619	MP14ag	Chroma Demod w/RGB Output Matrix;VCC 30VΔ;ICC 25mAΔ;Pd 625mWΔ;Chroma In 5VΔ
52	PTC741-RT	67	27	Z621	MP14ag	Chroma Processor;Icc 35mAΔ;Pd 625mWΔ;Hor Input Pulse 4.0VpeakΔ;Max Chroma Gain 40dB†
53	PTC758-RT	67	27	Z630	MP14ag	Chroma Demodulator;VCC 30VΔ;ICC 30mAΔ;Pd 445mW;B-Y/G-Y/R-Y Volt 17VΔ
54	PTC769-RT	67	48	Z633	MP178h	Chroma Processor;VCC 12VΔ;ICC 35mAΔ;Pd 600mWΔ;100% Chroma Out 3.9VppΔ
55	PTC776-RT	67	48	Z879	MP317c	Chroma Demodulator;Vs 12VΔ;Is 50mAΔ;Pd 600mWΔ
56▼	PTC778-RT	67	28	Z635	MP104	Chroma Processor W/ACC and Color Killer;Vcc 22V
57#	SAA1020	67	26	Z876	MP104d	IC Set For Controlling TV Tuners;Vs-18V;Io 5.0mA;ft 4.4MHz(at PIN 2)
58#	SAA1021	67	26	Z875	MP593	IC Set For Controlling TV Tuners;Vs-18V;Io 5.0mA;ft 4.4MHz(at PIN 2)
59#	SAA1130	67	26	Z696	MP592	Thirty Channel Ultrasonic Receiver w/Program Store;Vdd -20V;ID -5.0mA;ft 4.4MHz
60	SK3073-RT	67	48	Z118	Δ001AC	12V,Chroma Signal Processor Stages for Color TV Receivers.
61	SK3074-RT	67	48	Z119	Δ001AC	12V,Chroma Demodulator Stages for Color TV Receivers.
62	SK3075-RT	67	48	Z205	Δ001AC	24V,Chroma Signal Processor Stages for Color TV Receivers.
63	SK3076-RT	67	48	Z123	Δ001AB	24V,Chroma Amplifier Stages for Color TV Receivers.
64	SK3077-RT	67	48	Z125	Δ001AB	24V,Chroma Demodulator Stages for Color TV Receivers.
65#	SL901B	67		Z257	MP280	Color Processing Ckt;Vs 18V;Is 44mAΔ;Ro 50Ω;Shunt load cap. 30pf.
66#	SL917B	67		Z258	MP280	Color Processing Ckt;Vs 18V;Chroma Inp.Signal 600mVp/p;Chroma Inp.Impedence 9.0kΩ*.
67#	SW150CM5	67	16	Z912	CN67	Acoustic Wave IF;Freq 39.5MHz at -6dB,TC -90ppm/°C†;Mean Volt Attenuation 29dBΔ
68#	SW150SP4	67	16	Z912a	MP693	Acoustic Wave IF;Freq 39.5MHz at -6dB,TC -90ppm/°C†;Mean Volt Attenuation 29dBΔ
69#	SW170CM5	67	16	Z912	CN67	Acoustic Wave IF;Freq 38.9MHz at -6dB,TC -90ppm/°C†;Mean Volt Attenuation 28dBΔ
70#	SW170SP4	67	16	Z912a	MP693	Acoustic Wave IF;Freq 38.9MHz at -6dB,TC -90ppm/°C†;Mean Volt Attenuation 28dBΔ
71#	SW200CM5	67	16	Z912	CN67	Acoustic Wave IF;Freq 45.75MHz at -6dB;Mean Volt Attenuation 28dBΔ
72#	SW200SP4	67	16	Z912a	MP693	Acoustic Wave IF;Freq 45.75MHz at -6dB;Mean Volt Attenuation 28dBΔ
73#	TAA630S	67	2C	Z195	MP252a	Dual Synchronous Color TV Demodulator;Vs 12V;Pd 550mWΔ;Input Imp 1.0kΩ.
74#	TAA630T	67	2C	Z195	MP256	Dual Synchronous Color TV Demodulator;Vs 12V;Pd 550mWΔ;Input Imp 1.0kΩ.
75#	TBA396	67	27		TO116	Luminance and Chrominance Control Combination;VS 20V;Pd 625mW.
76#	TBA500N	67	26	Z307	MP337d	Luminance Combination;Vs 13.2VΔ;Pt 600mWΔ;Zin 50kΩ.
77#	TBA500NQ	67	26	Z307a	MP256	Luminance Combination;Vs 13.2VΔ;Pt 600mWΔ;Zin 50kΩ.
78#	TBA500P	67	26	Z307	MP337d	Luminance Combination;Vs 13.2VΔ;Pt 600mWΔ;Zin 50kΩ.
79#	TBA500PQ	67	26	Z307a	MP256	Luminance Combination;Vs 13.2VΔ;Pt 600mWΔ;Zin 50kΩ.
80#	TBA510	67	26	Z106	MP192a	Colour TV Chrominance amplifier;VS 12V;Pd 500mWΔ;Input Res. 100kΩ.
81#	TBA510Q	67	26	Z106	MP256	Colour Television Processing Circuit-Chrominance Combination;ΔVs 12V†.
82#	TBA520	67	26	Z553	MP192a	Color Demodulator;Pt 550mWΔ;VSS 12V;Chrominance Gain 7.0;Inp Res 800ΩΔ.
83#	TBA520⍁	67	26	Z106	MP177	Color TV Demodulator;Vs 13.2V;Pd 550mWΔ;Ri 800Ω*
84#	TBA520Q	67	26	Z553	MP256	Color Demodulator;Pt 550mWΔ;VSS 12V;Chrominance Gain 7.0;Inp Res 800ΩΔ.
85#	TBA530	67	26	Z108	MP192a	Color TV R.G.B.Matrix Pre-Amp;VS 12V;Pd 400mWΔ;Is 50mAΔ.
86#	TBA530⍁	67	26	Z108	MP177	Color R.G.B. Matrix Preamp;Vs 12V;Pd 400mWΔ;Is 50mA
87#	TBA530Q	67	26	Z108	MP256	Color TV R.G.B.Matrix Pre-Amp;VS 12V;Pd 400mWΔ;Is 50mAΔ.
88#	TBA540	67	26	Z109	MP192a	Reference Oscillator Ckt;VS 12V;Is 38mA;Pd 780mW;Ri 3.5kΩ;Gv 4.7.
89#	TBA540Δ	67	26	Z109	MP177	Reference Oscillator Ckt;Vs 12V;Is 38mA;Pd 380mW;Ri 3.5kΩ;Gv 4.7
90	TBA540⍁	67	26	Z846	MP⍁	Reference Oscillator Ckt;VS 12V;Pd 780mWΔ;Ri 3.5kΩ†;Gv 4.7†
91#	TBA540Q	67	26	Z109	MP256	Reference Oscillator Ckt;VS 12V;Is 38mA;Pd 780mW;Ri 3.5kΩ;Gv 4.7.
92#	TBA550%	67	2C	Z170	MP256	Television Signal Processing Ckt;ΔVs 12V†.
93#	TBA550Q	67	26	Z170	MP256	Colour Television Processing Circuit-Television Signal Processing Circuit;ΔVs 12V†.
94#	TBA550Q%	67	2C	Z170	MP256	Television Signal Processing Ckt;ΔVs 12V†.
95#	TBA560	67	06	Z110	MP192a	Luminance and Chrominance Control Ckt;VS 12V;Is 24mA;Pd 330mW.
96#	TBA560B	67	06	Z110	MP337d	Luminance and Chrominance Control Combination;ΔVs 12V†.
97#	TBA560BQ	67	06	Z110	MP256	Luminance and Chrominance Control Combination;ΔVs 12V†.
98#	TBA560C	67	06	Z110	MP337d	Luminance and Chrominance Control Combination;ΔVs 12V†.
99#	TBA560CΔ	67	06	Z110	MP177	Luminance and Chrominance Control Combination;ΔVs 12V†
100	TBA560C⍁	67	26	Z847	MP⍁	Luminance And Chrominance Control Combination;VS 12V†
101#	TBA560CQ	67	06	Z110	MP256	Luminance and Chrominance Control Combination;ΔVs 12V†.
102#	TBA651	67	28	Z160	MP217	RF Amplifier/Mixer/Oscillator/IF Amplifier/AGC Control for AM Radio;VCC 18V;Vo 500mV.
103#	TBA990	67	26	Z268	MP192a	R.G.B.Synchronous Demodulator for color TV;VS 12V;IS 17mA;Pd 200mW.
104#	TBA990Q	67	26	Z268	MP256	R.G.B.Synchronous Demodulator for color TV;VS 12V;IS 17mA;Pd 200mW.
105#	TCA640	67	26	Z333	MP192a	Chroma Amp;Vs 12V†;Is 37mA†;Vi PAL/SECAM 80mVp-p/400mVp-pΔ;Vo PAL/SECAM 575mVp-p/2.3Vp-pΔ
106#	TCA650	67	26	Z334	MP192a	Chrominance Demod;Vs 12V†;Is 36mA†;Vi PAL/SECAM 50mVp-p/200mVp-p†;Ri 2.6kΩΔ;Ro 100ΩΔ
107#	TCA660	67	26	Z335	MP192a	Luminance and Chrominance Control Ckt;Vs 12V;Is 44mA;Ri 25Ω.
108#	TCA660B	67	26		MP545b	Contrast,Saturation,Brightness Control;Vs 12V;Is 35mA;Pt 600mW;Lum lin .70mA†,Vo 3.0Vp-p†
109#	TCA800	67	25	Z559	MP192a	Color Demodulator;w/Feed-back Clamp;VS 12V;IS 47mA;Lum BW 10MHz;Chrom BW 1.0MHz.
110#	TDA1270	67	06	Z472	MP325	TV Vert. Deflu for Color TV;VS 40VΔ;Pd 5.0W;Io(pk) 1.5A(repetitive).

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUTLINE Δ=MO	GENERAL DESCRIPTION
1#	TDA1327	67	27		TO116	Dual Doubly Balanced Chroma DEMODULATOR;VS 24V;Pd 625mW;Vi 5Vpk.
2#	TDA2140	67	06	Z725	Δ001AC	Pal Reference Oscillator;Vs 12V;Is 45mA;Pd 800mWΔ;Ro 100Ω
3#	TDA2150	67	06	Z726	Δ001AC	Luminance And Chrominance Control Combination;Vs 12V;Pd 800mWΔ;Is 45mA
4#	TDA2151	67	06		Δ001AC	Lumin And Chrom Control Combin With Prog Beam Current Limiting
5#	TDA2160	67	06	Z727	Δ001AC	Synchronous Demodulator And RGB Matrix;Vs 12V;Pd 800mWΔ;Ri 1.0kΩ
6#	TDA2161	67	06		Δ001AC	Synchronous Demodulator And RGB Matrix For Characters On Screen
7#	TDA2500	67	26	Z420	MP337d	Light Dense Combination For Color TV;VS 12V;Ri 12kΩ;Pd 850mAΔ;Ro 30Ω.
8#	TDA2500Q	67	26	Z420	MP256	Luminance Combination;Vs 12V;Vi 2.8Vp-p†;Lum Vo 4.5V;Pt 850mWΔ
9#	TDA2510	67	26	Z421	MP337d	Chroma Combination For Color TV;Pd 500mWΔ;Ri 2.0kΩΔ;Vref 7.0V.
10#	TDA2510Q	67	26	Z421	MP256	Chrominance Combination;VS 12V;Vip-p 100mV;Vo 500mV;Pt 500mWΔ.
11#	TDA2520	67	26	Z422	MP337d	Synchronous Demodulator Combination For Color TV;VS 12V;Pt 600mWΔ;Ri 270Ω.
12#	TDA2520Q	67	26	Z422	MP256	Color Demodulator Combination;Vs 12V;Color Diff Imp 250Ω;ACC Vo 7.0V
13#	TDA2521	67	26	Z541	MP252j	Synchronous Demodulator-Combination for Color TV;Vs 12V;Pt 600mWΔ.
14	TDA2521☑	67	25	Z541	MP605a	PAL Chroma Demodulator Combination;Vs 12V;Pd 600mWΔ
15#	TDA2522	67		Z944	MP252m	Color Demodulator for PAL;Vs 14V,Pd 600mW
16#	TDA2522Q	67	26	Z804	MP256	TDA2522 in Quad-in-Line Package.
17#	TDA2523	67	25	Z804	MP545b	Color Demodulator Combination;Vs 600mWΔ;Color Diff Ro 250Ω†
18#	TDA2523Q	67	25	Z804	MP701	Color Demodulator Combination;Vs 600mWΔ;Color Diff Ro 250Ω†
19#	TDA2530	67		Z802	MP545b	R G B Matrix Pre-Ampl for Base Drive of Video Output;Vs 15V,Pd 1.0W
20#	TDA2530Q	67	26	Z802	MP256	TDA2530 in Quad-in-line Package
21#	TDA2540	67	26	Z560	MP192a	TV IF Amp and Signal Processor;VS 12V;IF Vi 100uVrms;Video Vo 3.0Vp-p;Gr 66db.
22#	TDA2540Q	67	26	Z560	MP256	TV IF Amp and Signal Processor;VS 12V;IF Vi 100uVrms;Video Vo 3.0Vp-p;Gr 66db.
23#	TDA2541	67	26	Z560a	MP192a	TV IF Amp and Signal Processor;VS 12V;IF Vi 100uVrms;Video Vo 3.0Vp-p;Gr 66db.
24#	TDA2541Q	67	26	Z560a	MP256	TV IF Amp and Signal Processor;VS 12V;IF Vi 100uVrms;Video Vo 3.0Vp-p;Gr 66db.
25#	TDA2560	67		Z945	MP252m	Luminance and Chrominance Control Combination;Vs 14V,Pd 930mW
26#	TDA2560Q	67				TDA2560 is Quad-in-Line Package.
27#	TDA2590Q	67	26	Z423	MP256	Line Oscillator Combination;VS 12V;Is 30mA;Syn Sep Vi 3.0Vp-p;Noise Sep Vi 3.0Vp-p
28#	TDA2640	67	26	Z509	MP337h	Control ckt for TV Noise and Voltage Surges;VS 12V;Vo 11.5V;Io 20mAΔ;Vi 6.2V†.
29#	TDA2640Q	67	26	Z509	MP256	Switched-Mode Power Supply Drive Ckt;VS 12V;Is 8.0mA;Pt 145mWΔ;Vo 11.5VΔp-p.
30#	TDA2680	67	27	Z941	MP545b	TV Signal Processing Ckt;Vs 12V†;Pd 98mWΔ;Vi 2.7Vp-p†;Video Gv 7.0dB†
31#	TDA3950	67	27		TO116	Chrominance Combination VS 9.5V;Pd 625mW;Vi 1.2Vpk.
32#	TDA4400	67	16	Z729	Δ001AC	Video IF-Amp For Color,B/W TV PNP Tuner;Vs 12V;Is 48mA;Pd 820mWΔ
33#	TDA4400Q	67	16	Z729	MP608	Video IF-Amp For Color B/W TV PNP Tuner;Vs 12V;Is 48mA;Pd 820mWΔ
34#	TDA4410	67	16	Z729	Δ001AC	Video IF-Amp For Color B/W TV NPN Tuner;Vs 12V;Is 48mA;Pd 820mWΔ
35#	TDA4410Q	67	16	Z729	MP608	Video IF-Amp For Color B/W TV NPN Tuner;Vs 12V;Is 48mA;Pd 820mWΔ
36	uA781DC	67	5C	Z206	MP486b	Gain Controlled IF Amp;Pd 670mW;IS 24mA†.
37	uA781PC	67	5C	Z206	MP252f	Gain Controlled IF Amp;Pd 670mW;IS 24mA†.
38	uA787PC	67	07	Z457	MP177c	Chroma Processor;Chroma In 2.1V†;Chroma Out 6.2V†;IS 36mAΔ;Osc Pull In Range 450mV†
39	uA788PC	67	07	Z668	MP177c	TV Chroma Demodulator And Tint Control;VS 24V;Demod Out 16VΔ;Lum In 23V†
40	ULN2114A	67	48	Z812	MP250b	Chroma Demodulator;Pd 670mWΔ;Vi Chroma 3.2V;Vi Ref 5.8V;Icc 25.5mAΔ;TC -2.0mV/°C
41	ULN2114K	67	48	Z813	TO100	Chroma Demodulator;Pd 670mWΔ;Vi Chroma 3.2V;Vi Ref 5.8V;Icc 25.5mAΔ;TC -2.0mV/°C
42	ULN2114W	67	48	Z813	CN41	Chroma Demodulator;Pd 670mWΔ;Vi Chroma 3.2V;Vi Ref 5.8V;Icc 25.5mAΔ;TC -2.0mV/°C
43	ULN2124A	67	48	Z814	MP104h	Chroma Subcarrier Regeneration System;Pd 670mNΔ;Reg Volt 11.3-12.9V;Oscillator Cur 7.6mAΔ
44	ULN2127A	67	48	Z816	MP250b	Chroma Amplifier;Pd 670mWΔ;Vcc 24V;Is 31mAΔ;Chroma Outp Volt 2.0Vrms;Volt Gain 14db
45	ULN2216A	67	38	Z820	MP250b	Luma Processor;Icc 11mA;Pd 260mW;Vcc 24V;Lum BW 6.0MHz*
46	ULN2224A	67	27	Z821	MP250b	Chroma Demod With RGB Out Used W/ULN2298A for Complete 2 Chip Chroma System
47	ULN2228A	67	48	Z812	MP153a	Dual Double-Balanced Chroma Demod;Pd 670mWΔ;Vcc 24V;RL 3.3KΩ;Chroma Vi 6.2V;TC 2.0mV/°C
48▼	ULN2229A	67	48	Z999	MP104h	Chroma Demodulator;Vs 24V;ΔVi 700mVΔ;Detector Outputs-BY 13Vp-p,GY 2.1Vp-p,RY 5.0Vp-p
49	ULN2269A	67	48	Z823	MP250b	TV Chroma Amp/Demodulator;Pd 670mWΔ;Vcc 24V;Is 50mAΔ;Demod Volt 14.3V;TC -1.0mV/°C
50	ULN2291M	67	48	Z824	MP48c	TV Horizontal Processor, Pos Flyback Input
51	ULN2294M	67	48	Z824	MP48c	TV Horizontal Processor, Neg Flyback Input
52	ULN2298A	67	27	Z825	MP250b	Chroma Processor Used W/ULN2224A;Reg Vs 9.0 To 11.5V,Is 35mA;Chroma Output 1.75Vpp Typ
53	XC1399P	67	27	Z518	MP308a	TV Color Processing Ckt;ISS 60mAΔ;Pd 1.25WΔ;Reg Volt 12.6V;Load Reg 100mV;Load Res 2.7kΩ*
54	320	68	28		OCT	Magnetic Tape Constant Current Record Amp;±24 Volts;±15mA;THD 0.25%.
55	325EQ	68	28		OCT	Equalization Amp;±12V to ±24V;±8mA to ±15mA;THD 0.1%;Equiv Noise 2uV(115dbm)
56	365L	68	08		OCT	Magnetic Tap Playback Amp; PD250mw;ΔVS48V;Ro1.0k;Vo15V.
57	370	68	08		OCT	Disc Playback Amp-Equalizer;PD250m;ΔVS48V;Ro1.0k;Vo15V.
58	380	68	08		OCT	Magnetic Tape Playback Amp-Equalizer;PD250m;ΔVS48V;Ro1.0k;Vo15V.
59#	M5130P	68	27	Z413	MP252g	Dual Record Amp w/AGC;Gv 80db†;AGC Range 40db*.
60#	M5132P	68	27	Z414	MP14j	FM Mux Stereo Demod;VS 4.0V;Pd 40mW;Ri 25kΩ;THD .50%.
61#	M5138P	68	27	Z415	MP14j	Dual Tone Amplifier;VS 9.0V;Gv 60db†.
62#	M5152L	68	17	Z416	MP442	Dual Preamplifier for Car Stereo;Gv 65db*.
63#	M51011P	68	27	Z689	MP14g	Impulsive Noise Suppressor;Pd 650mW;Vs 12V;Signal/Noise Improvability 15dB
64	MC1312P	68	07	Z451	MP307	Four Channel SQ Decoder System;Decoder;Pd 750mW;Ri 1.8MΩ min;THD 0.1%.
65	MC1314P	68	06	Z451a	MP308a	Four Channel SQ Decoder System;Voltage Controlled Attenuator;Pd 750mW;Input V ±6Vp-p.
66	MC1315P	68	06	Z451b	MP308a	Four Channel SQ Decoder System;Front to back separation enhancement ckt;Pd750mW;Io±2.0mA.
67	PTC709-RT	68	38	Z604	MP14ag	Stereo Processing;VCC 24V max;ICC 40mA max;Pd 1.0W.
68	PTC711-RT	68	38	Z605	MP14ag	Stereo Processing;VCC 24V max;ICC 40mA max;Pd 1.0W.
69	PTC713-RT	68	38	Z606	MP14ag	Stereo Processing;VCC 24V max;ICC 40mA max;Pd 1.0W.
70	PTC721-RT	68	48	Z604	MP14ag	Stereo Processing;VCC 24V;ICC 40mA max;Pd 1.0W max.
71	PTC729-RT	68	27	Z612	MP178h	PLL Stereo Processor;VCC 16VΔ;ICC 35mAΔ;Pd 850mWΔ;10kHz Chnl Sep 30dB†
72	PTC732-RT	68	07	Z615	MP569	Stereo Power Amplifier;VCC 26VΔ;ICC 35mAΔ Without Signal;Pd 5.0WΔ;Dist 5%Δ At 1.0W
73	PTC735-RT	68	27	Z618	MP14ag	PLL Stereo Processor;VCC 16VΔ;ICC 35mAΔ;Pd 850mWΔ;10kHz Chnl Sep 30dB†
74	PTC738-RT	68	27	Z615	MP569	Stereo Power Amplifier;VCC 26V;ICC 50mAΔ;Pd 5.0WΔ;Dist 5.0%Δ at 2.0W Output
75	PTC742-RT	68	27	Z615	MP569	Stereo Power Amplifier;VCC 26VΔ;ICC 50mAΔ No Signal;Pd 5.0WΔ;Open Loop Gain 55dB*
76	PTC762-RT	68	07	Z631	MP14ag	Low Noise Stereo Preamplifier;VCC 40VΔ;ICC 16mA No Signal;Pd 800mWΔ;Open Loop Gain 100dB
77	PTC765-RT	68	07	Z632	MP14ag	Stereo Preamplifier;VCC 15VΔ;ICC 15mA No Signal;Pd 415mW;Chnl Sep 60dB*
78	SK3071-RT	68	48	C047	Δ001AC	14V,Full Function Stereo Preamplifier Stages for Hi-Fi Equipment.
79	SK3072-RT	68	48	Z064	Δ001AB	140V,Sound IF Amplifier Stages for TV Receivers.
80#	SL622C	68	5C	Z254	CN27b	AF Amp,Vogad and Sidetone Amp;Vs 6.0V;Vogad Outp.Level 90mVrms;Sidetone Outp.level800mVpp.
81#	SL630C§	68	5A	C050	CN27b	Microphone/Headphone Amp;Io 110mA;Signal Freq 1.0kHz;Gain Control range 60-100db.
82#	SL758	68	16	Z586	MP104c	FM Stereo Demodulator;VS 12V;IS 30mAΔ;Distortion 1.0%;Stereo Ch Sep 40dB† At 100Hz
83#	SL1310DG	68	16	Z586a	MP319	FM Stereo Demodulator;VS 12V;Capture Range 3.5%;Dist 0.3%†;Stereo Ch Sep 40dB†
84#	SL1310DP	68	16	Z586a	MP39p	FM Stereo Demodulator;VS 12V;Capture Range 3.5%;Dist 0.3%†;Stereo Ch Sep 40dB†
85▼	SSM2050	68		Z984	MP☑	Voltage Controlled Transient Generator;Music Synthesis,etc;Vs ±15V;Input Sen 18mV/Octave
86#	TAA970	68	37	Z196	TO74	Microphone Amp;Is 100mA max;Gv 150;Output imp 60Ω;Pd 700mW.
87#	TCA490	68	07	Z316	TO116	Dual Op-Amp and Stereo Pre-Amp;Vs 36VΔ;Ptot 400mWΔ;F 1.5dB Typ
88#	TCA490A	68	07	Z316	MP39m	Dual Op-Amp and Stereo Pre-Amp;Vs 36VΔ;Ptot 400mWΔ;F 6dB;Vn(rms) 4uV.
89#	TCA490B	68	07	Z316	MP39m	Dual Op-Amp and Stereo Pre-Amp;Vs 36VΔ;Ptot 400mWΔ;F 3dB;Vn(rms) 2.5uV.
90#	TCA490C	68	07	Z316	MP39m	Dual Op-Amp and Stereo Pre-Amp;Vs 36VΔ;Ptot 400mWΔ;F 1.5dB;Vn(rms) 1.25uV.
91#	TCA730	68	26	Z558	MP192a	DC Volume and Balance Control Ckt;VS 15V;Dist .1% at 1.0V;Vi 1.0VΔ;Ri 250kΩ.
92#	TDA1001	68		Z568	MP337d	Static Suppressor for FM Reception;Vp 8-15V;Current Gain 10db.
93#	TDA1005	68	2C	Z503	MP545c	Stero Decod Using 76kHz PLL;Vs 15V,Pd 570mWmax;Chan Separation 45dB Typ at 1kHz
94#	TDA1009	68	2E	Z935	MP660a	Stereo Audio Power Amp;Vs 16V;Io 2.5ApeakΔ;Pd 15WΔ;Po 6.0W†,Total Dist 10%/Channel
95#	TDA1028	68	37	Z936	MP545b	Four Chan Signal-Sources Switch for AF Amplifiers;Vs 20V;Pd 800mW;Io ±5.0mA*;Ro 400Ω†
96#	TDA1029☑	68	37	Z937	MP545b	Two Chan Signal-Sources Switch for AF Amplifiers;Vs 20V;Pd 800mWΔ;Io ±5.0mA†;Ro 400Ω†
97#	TDA1062	68	[illegible]	Z723	Δ001AC	FM-Tuner For AC-Line,Car-Radios,Mixer,Mod;Freq 200MHzΔ;
98#	TDA1068	68	18	Z724	Δ001AC	Noise Inverter;Vs 15V;Pt 400mWΔ;Is 26mAΔ;Ri 20KΩ*;Dist Factor 1.5%Δ
99♦	uA732DC	68	07	Z660	MP486b	FM Stereo Multiplex Decoder;Vs 12V;Pd 670mW;THD 1.0%;67kHz Storecast Rej 55dB†
100	uA732PC	68	07	Z660	MP252f	FM Stereo Multiplex Decoder;VS 12V,Total Harmonic Dist 1.0%;67kHz Storecast Rej 55dB†
101▼	uA758DC	68	48	Z319	MP178a	PLL FM Stereo Multiplex Decoder;Vs 12V;Pd 730mW;THD 1.0%
102▼	uA767DC	68	07	Z662	TO116	FM Stereo Multiplex Decoder;Vs 12V;THD 1.0%;67kHz Storecast Reg 55dB†
103	uA767PC	68	07	Z662	MP252f	FM Stereo Multiplex Decoder;VS 12V,Total Harmonic Dist 1.0%;67kHz Storecast Rej 55dB†
104	uA1312PC	68	07	Z669	MP252f	Monolithic Quadrophonic Decoder CBS SQ*(*TM CBS);VS 20V;Zo 5.0kΩ†;Dist 0.1%
105	uA3089DC	68	48	Z872	MP178b	FM Lim Detector Audio Preamp;Pd 670mWΔ;Vs 16VΔ;AM Rej 55dB†;THD 1.0%Δ;Lim Sen 25uVΔ
106	uA3089DM	68	5C	Z872	MP178b	FM Lim Detector Audio Preamp;Pd 670mWΔ;Vs 16VΔ;AM Rej 35dB*;THD 5.0%Δ;Lim Sen 40uVΔ
107	uA3089PC	68	48	Z872	MP605a	FM Lim Detector Audio Preamp;Pd 600mWΔ;Vs 16VΔ;AM Rej 55dB†;THD 1.0%Δ;Lim Sen 25uVΔ
108	ULN2129A	68	48	Z817	MP153a	Sound Channel for F-M Receiver;Pd 760mW;Vs 12.5V;Is 10mA;Gv 21dB.
109	XR1310	68	48	Z918	MP402	Stereo Demod;VCC 12V;Chan Separation 30dBmin;Capture Range ±3.5%;Distortion .30%
110	XR2216CN	68	46	Z928	MP343a	Audio Compressor/Expandor;60dB Input Range Compressed to 30dB;Ceramic Pkg

LINE No.	[2] TYPE No.	[1] USE	TEMP -+	CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	XR2216CP	68	4	6	Z928	MP343a	Audio Compressor/Expander;60dB Input Range Compressed to 30dB;Plastic Pkg
2	325L	69	2	8		OCT∅	Limiter;±24 Volts;±10mA;THD 0.5%;Equiv Noise 2uV(115dbm)
3	9005	69	5	8			Precision Limiter;ΔVS 15V;Cs 8.0mA;ΔVO 10V;Freq.Response DC to 5kHz.
4#	AN259	69	1	7	Z885	MP402c	AM RF Converter and IF Amp;Vcc 12V;Pd 280mW;VRF 94.5mV;VIF 237mV
5#	AN260	69	2	7	Z297	TO116	AM/FM IF AM Mix. Osc. Tuning Meter Driver.
6▼#	AN260P	69	1	7	Z297	MP250c	FM/AM IF Amp;VCC 8.2V;Pd 400mW;Vo 10mV(AM),13mV(FM)
7#	AN277	69	2	7	Z298	MP178	AM/FM IF Amp AM RF Conv.
8#	AN366	69	1	6		MP178	FM/AM-IF Amp And AM Converter;VCC 8V;Pd 400mW;Vo 6(AM),7(FM)mV
9♦#	AN366P	69	1	7		MP104m	FM/AM IF Amp and AM Converter;VCC 8V;Pd 400mW;Vo 6mV(AM),7mV(FM)
10	CA2111AE	69	5	C	Z017	Δ001AB	FM IF Amp-Limiter,Quadrature Detector;Pd 600mW;DCVS 16VΔ;Amp Gv 60dB.
11	CA2111AQ	69	5	C	Z017	MP50	FM IF Amp-Limiter,Quadrature Detector;Pd 600mW;DCVS 16VΔ;Amp Gv 60dB.
12	CA3043H§	69	5	C	C026	CH16j	High Gain IF Amp/Limiter/FM Detector/AM Preamp/Driver for FM up to 20MHz.
13	CA3075	69	4	8	Z090	MP50	FM IF Amplifier-Limiter, Detector, Audio Preamp;Vs 12.5V;Pd 760mW;Gv 21db.
14	CA3076§	69	5	C	D031	Δ002AL	Wide-Band IF Amplifier-Limiter;Pd 500mW;Vs 15V;Vo 12mV;Noise Volt. 1.0mV.
15	CA3088E	69	4	8	Z165	Δ001AC	AM Receiver Subsystem,Amplifier Array;Pd 760mW;Vs 16V;THD 1.0%;Ri 3.5kΩ.
16	CA3089E	69	4	8	Z166	Δ001AC	FM IF System;Pd 600mW;Vs 16V;AM Rejection 55db;THD 1.0%Δ.
17▼	CA3089N	69	4	8	Z166	MP178k	FM IF System;Pd 600mW;Vs 12V;AM Rejection 55dB;THD 1.0%Δ
18	CA3123E	69	5	C		MP250	AM Radio Rcvr Sys;VS 9V;IS 35mA;Sensitivity 5uV max.
19▼	CA3189E	69	4	8	Z1006	Δ001AC	FM IF System;Vs 12V;Is 44mAΔ;AM Rejection 45dB*;THD 1.0%Δ
20	HEPC6063P-RT	69	2	7	Z157	TO116	IF AMP,LIMITER,FM,DET,AUDIO DRIVER;Pd 625mW;Vs 24;DC Sup Cur 24mA max.
21▼#	LA1111P	69	2	7	Z1008	MP267	FM IF Amp;Vs 6-10V;Pd 240mWΔ;Sensitivity 2.0uV;THD .27%Δ;Selectivity 60-70dB;S/N 60dB
22#	LA1230	69	2	6	Z634	MP104	FM IF W/AGC And Audio Output;VCC 12V;Dist 300m%Δ;S/N 70dB†;AM Reject 55dB†
23▼#	LA1240	69	1	6	Z1009	MP104	AM Tuner Included RF Amp,Conv,IF Amp,AGC,Signal Meter Driver,For High Class Receiver
24#	LA1363	69	2	8	Z707	MP486c	Multifunction RF,AF IC;Input Line Voltage 400uV Max,AM Rej Ratio 40dB;AF Dist 5% Max
25	LM273H	69	2	A	Z275	CN17j	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
26	LM274H	69	2	A	Z275	CN17j	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
27	LM373H	69	0	7	Z275	CN17j	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
28	LM373N	69	0	7	Z275	MP39n	AM/FM/SSB IF AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
29	LM374H	69	0	7	Z275	CN17j	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
30	LM374N	69	0	7	Z275	MP39n	AM/FM/SSB IF VIDEO AMP/DETECTOR;Vs 18V;Sens 30uVrms;AGC Thresh 300uVrms.
31	LM389N§	69	0	7	C233	MP579	AM/FM Mixer/Oscil/IF Amp-Detector;BVcbo 40V†;BVceo 20V†;BVebo 7.1V†;Freq Rng DC to 100MHz
32	LM1820N	69	2	8	Z648	MP39n	AM Radio System;VS 12V;Mixer Current 300uA†;IF Ri 1.0kΩ At 260kHz
33	LM3065N01	69	4	8	Z064	MP336a	TV Sound System;IF AMP LIMITER;FM DETECTOR;ELECTRONIC ATTENUATOR;AUDIO DRIVER.
34	LM3065N	69	4	8	Z064	MP39n	TV Sound System;IF AMP LIMITER;FM DETECTOR;ELECTRONIC ATTENUATOR;AUDIO DRIVER.
35	LM3075N	69	4	8	Z090	MP39n	FM DETECTOR/LIMITER and AUDIO AMP;VS 12.5V;Pd 850mW;IS 8.5mA*.
36	LM3089N	69	4	8	Z842	MP661	FM IF System;12 V† Lim 3dB Sensitivity;Vo AF 500mVrmsΔ;THD Double Tuned .3%Δ
37#	M51172P	69	2	7	Z690	MP14g	FM IF/Detector;Pd 650mW;Vs 12V;vrm 30db;THD .50%
38▼#	MB3202	69	2	7			FM IF Amplifier;Vs 10V;Is 12.5mA;Gv 70dB
39▼#	MB3204	69	2	7		MP252n	FM IF System;Vs 16V;Po 400mW;THD 0.05%;AM Rejection 50dB
40	MC1355P	69	0	7	Z079	MP307	Limiting FM/IF Amplifier;ΔVS 15V;Pt 625mW;IO 5.0mA.
41	MC1357P	69	0	7	Z080	MP25c	IF Amplifier and Quadrature detector; PD 625mW; SupVolt 16V.
42	MC1358P	69	0	7	Z064	MP25c	IF Amplifier, Limiter, FM Detector,Audio Driver, Electronic Attenautor.
43	MC1375P	69	4	8		TO116	FM IF Amp, Limiter, Detector and Audio Pre-Amp;Vs 16Vdc max;Pd 625mW max.
44▼	MC3357P	69	3	7	Z985	MP729	FM IF;Oscillator,Mixer,Limiting Amp,Quadrature Discriminator,Active Filter,Sqlch,Scn Cntrl
45	NE546A	69	4	8	Z426	MP153	AM Radio Receiver Subsystem;Pd 750mWΔ;Vcc 11V;IF Cur 4.3mA;RF Cur 4.0mA.
46#	PL1820	69	2	8		TO116	AM Radio Rcvr System;VS 9.0V;IS 35mA
47#	PL2136	69	2	7	Z292	TO116	FM Detector and Limiter;Pd 600mWΔ;VS 20VΔ;IS 22mAΔ
48#	PL3089	69	4	8		MP177	FM IF Sys;Pd600mW;VS 16V;AM Rejection 55dB
49	PTC701-RT	69	0	8	Z600	MP14ag	FM Detector and Limiter;VCC 15V max;Pd 300mW max.
50	PTC703-RT	69	0	8	Z600	MP14ag	FM Detector and Limiter;VCC 14V max;Pd 300mW max.
51	PTC717-RT	69	3	8	Z608	MP14ag	Stereo Audio Pre-Amplifier;VCC 24V max.
52	PTC723-RT	69	4	8	Z610	MP14ag	Sound Channel for FM Receivers;VCC 12.5V max;ICC 30mA max;Pd 750mW max.
53	PTC734-RT	69	3	8	Z617	MP14ag	AM Radio System;VCC 14VΔ;ICC 35mAΔ;Pd 670mW;AGC Input Volt -5.0VΔ
54	PTC736-RT	69	2	7	Z611	MP267c	IF Gain Block/Volt Regulator;VCC 30VΔ;ICC 30mAΔ;Pd 400mWΔ;Output Volt Gain 50dB†
55	PTC737-RT	69	2	7	Z600	MP14ag	FM Limiter/Detector;VCC 20VΔ;ICC 22mA Without Signal;Pd 600mWΔ;Output Volt Gain 53dB†
56	PTC743-RT	69	0	7	Z622	TO78	RF/IF Amplifier;VCC 20VΔ;ICC 14mAΔ No Signal;Pd 500mWΔ;Output Collector Volt 24VΔ
57	PTC744-RT	69	5	C	Z623	TO78	RF/IF Amplifier;VCC 15VΔ;Diff Input Voltage ±5.0VΔ
58	PTC756-RT	69	2	7	Z628	MP14ag	AM/FM IF Amp;VCC 13.5VΔ;Pd 200mWΔ;AM Vout 15mV*rms;FM Vout 17mV*
59	PTC767-RT	69	5	C		MP178h	FM IF System;VCC 16VΔ;ICC 30mA No Signal;Pd 600mW;Recovered AF 400mV†
60▼	PTC807-RT§	69	2	7	D058	MP178h	AM Tuner/RF Amplifier;Vcc 10V;Icc 20mA;Vo 80mV at 455kHz;THD 1.5%;AGC 85dB
61#	S041E	69	2	8	Z277	CN72	FM-IF-Amp W/Demodulator;Vs 12V;Is 5.4mA;AF Vo 130mV;Vi 30uV;Gv 68dB
62#	S041P	69	2	8	Z277	MP39q	FM-IF-Amp W/Demodulator;Vs 12V;Is 5.4mA;AF Vo 130mV;Vi 30uV;Gv 68dB
63#	SL613C	69	5	C	Z467	CN11e	Limiting Amp/Detector;VS 6.0V;Gv 4.0 at 30MHz;Freq 5.0-150MHz;Det Curr 1.0mA.
64#	SL623C	69	5	C	Z260	CN27b	AM Detector,AGC Amp and SSB Demodulator;Vs 6.0V;SSB Audio Outp 30mVrms.
65#	SL624C	69	5	C	Z470	MP178e	Multimode Detector;VS 12V;IS 23mA;AM Det Vi 1.0mVrms;Lim Vi 100uVrms;Gv 4.0;Freq 30MHz.
66#	SL664	69	0	7	Z786	MP655	FM IF and AF Circuit;BW 3dB 25MHz†;VS 12VΔ;IF 10.7MHz;Pd 114mWΔ;Audio Po 250mW†;THD 3.0%Δ
67#	SL665	69	0	7	Z787	MP437e	FM IF and AF Circuit;BW 3dB 25MHz†;VS 12VΔ;IF 10.7MHz;Pd 114mWΔ;Audio Vo 25mVrms†
68#	SL1521	69	5	C	Z955	CN∅	Log IF Wideband Amp;3dB Lower Fco 10MHz,Upper 350MHz;Gv 12dB†;NF 3.0dB;Io 1.0mAΔ at 160MHz
69#	TAA991D	69	1	8	Z962	MP39q	AM/FM IF Amplifier:Vcc 4.5-11V;AM Oper Gain 90dB,AGC Range 60dB,FM Oper Gain 86dB
70#	TAA991Q	69	1	8	Z962	MP705	AM/FM IF Amplifier:Vcc 4.5-11V;AM Oper Gain 90dB,AGC Range 60dB,FM Oper Gain 86dB
71#	TBA120	69	1	7	Z963	MP39q	FM IF Amplifier and Demodulator:Vcc 12V;Pd 246mW Ques.,Gain 50dB Min at 5.5MHz
72#	TBA120A	69	1	7	Z963	MP705	FM IF Amplifier and Demodulator:Vcc 12V;Pd 246mW Ques.,Gain 50dB Min at 5.5MHz
73#	TBA120AS	69	1	7		MP705	FM IF Amplifier and Demodulator:Vcc 12V;Pd 240mW Ques.,Gain 68dB Min at 5.5MHz
74#	TBA120S	69	1	7	Z324	TO116	FM-IF-Amplifier w/Demodulator;Vs 12V;IF Imp 68db;Pd 400mW;NF 75db.
75#	TBA460§	69	0	7	Z276	MP337a	AM/FM-IF and AF Amp;Vs IF 12V;Vs AF 18V;Is 29mA;freq 30Hz-70kHz;Pd 10W.
76#	TBA460Q§	69	0	7	Z276	MP217a	AM/FM-IF and AF Amp;Vs IF 12V;Vs AF 18V;Is 29mA;freq 30Hz-70kHz;Pd 10W.
77#	TBA480	69	2	6	Z197	MP252a	FM Limiter amp. and quadrature detector;freq 5.5MHz;Vs 12V;Pd 500mW.
78#	TBA480Q	69	2	6	Z197		FM Limiter Amp and Quadrature Detector;Freq 5.5MHz;Vs 12V;Pd 500mW.
79#	TBA570	69	2	C	Z198	MP337d	Receiver Circuit/AM and FM Reception/Mixer/Oscil/I.F.AMP-DETECTOR-A.F.PREAMP;Vs6.0V†;Pd1W†
80#	TBA570A	69	2	8	Z932	MP545b	Integrated AM/FM Radio Rcvr Ckt;ΔVs 2.7-18V;Pt 825mWΔ;It 9.0mA†;RF Vi AM/FM 18uV†/50uV†
81#	TBA570AQ	69	2	8	Z932	MP701	Integrated AM/FM Radio Rcvr Ckt;ΔVs 2.7-18V;Pt 825mWΔ;It 9.0mA†;RF Vi AM/FM 18uV†/50uV†
82#	TBA570Q	69	2	C	Z198	MP256	Receiver Circuit/AM and FM reception/Mixer/Oscil/I.F.AMP-DETECTOR-A.F.PREAMP;VS6.0V†;Pd1W†
83#	TBA690%	69	2	C	Z199	MP337d	Receiver Circuit/AM and FM reception/I.F.Amp-A.F.preamp;A.F.Po 600mW†;Vs 6.0V†.
84#	TBA700	69	2	5	Z199a	MP192a	Receiver Circuit/AM and FM reception/I.F.amp/A.F.output of 1.0W;VS 9.0V.
85#	TBA700%	69	2	C	Z199b	MP660a	Receiver Circuit/AM and FM reception/I.F.Amp-AF.Preamp;A.F.Po 1.0W†;Vs 9.0V†.
86#	TBA750	69	2	5		MP252a	FM Limiter amp/Quadrature Detector and AF amp;freq 4.5/5.5/10.7MHz;Vs 12V;Gv 7.0dB.
87♦#	TBA750A	69	2	5	Z311	MP545b	Limiter/Amp w/fm Detector,d.c. Volume Control,a.f. Preamp;Freq 4.5,5.5 or 10.7MHz;Vs 12V
88#	TBA750AQ	69	2	5	Z311	MP256	Limiter-Amplifier w/f.m.detector,d.c. volume control and a.f.pre-amp.
89▼#	TBA750C	69	2	5	Z311	MP252h	Limiter/Amp w/fm Detector,d.c. Volume Control,a.f. Preamp;Freq 4.5,5.5 or 10.7MHz;Vs 12V
90▼#	TBA750CQ	69	2	5	Z311	MP701	Limiter/Amp w/fm Detector,d.c. Volume Control,a.f. Preamp;Freq 4.5,5.5 or 10.7MHz;Vs 12V
91#	TBA750Q	69	2	5		MP256	FM Limiter amp/Quadrature Detector and AF amp;freq 4.5/5.5/10.7MHz;Vs 12V;Gv 7.0dB.
92#	TCA420A	69	2	8	Z315	MP256	I.F.Amp for Hi-Fi;Vs 15V†;fo 10.7MHz;Ptot 720mWΔ.
93#	TCA440	69	1	8	Z325	MP337a	Receiver for AM;Vs 9.0V;Is 10.5mA;Input Imp 2.0k max at 5.0pf
94♦#	TCA770	69	3	7	Z844	FP41	FM IF Lim W/Bal FM Det And Pre-ampl;Fo 100kHz To 500kHz;Vs 7.5V,Is 450uA;Volt Gain 600Typ
95#	TCA770A	69	3	7	Z844a	MP545c	FM IF Lim W/Bal FM Det And Pre-ampl;Fo 100kHz To 500kHz;Vs 7.5V,Is 450uA;Volt Gain 600Typ
96#	TCA770D	69	3	7	Z844	FP52	FM IF Lim W/Bal FM Det And Pre-ampl;Fo 100kHz To 500kHz;Vs 7.5V,Is 450uA;Volt Gain 600Typ
97#	TCA3089	69	2	7	Z380	MP104e	FM-IF Radio Subsys;Vs 16Vmax;Is 23mA Typ,Pd 500mWmax,Vi(threshold)12uV typ,AF Out 400mV
98#	TDA1046	69	1	8		MP252m	AM Amplifier,Vs 18V max;Pd 276mW;3dB BW 30MHz;Input Voltage 19uV
99#	TDA1047	69	2	8		MP704	FM/IF Amplifier with Demod;Vs 18V max;Pd 144mW;3dB BW 15MHz;Input 30uV
100#	TDA1048	69	0	6		MP39q	AM Amplifier;Vs 16.5V max;Pd 444mW;Input 200uV
101#	TDA1050	69	3	8		MP545b	RF to Detector Subsys for AM Car Radio;Supply:9.5 to 16VDC,16mA typ;AF Out:25mV typ
102#	TDA1071	69	3	8	Z803	MP545b	RF to AF Subsys for AM/FM Radio;Supply:4.0 to 10VDC,21mA Typ;AF Out:20 to 150mV Typ
103#	TDA1200	69	2	7	Z380	MP104a	FM/IF Radio System;VS 16VΔ;IO 2.0mAΔ;Pd 500mWΔ;IS 23mA;Dist 500m%;Vi 1.9V.
104#	TDA2730	69	2	C	Z951	MP545b	FM Limiter/Demodulator;Vs 12V†;Pd 1.25WΔ;Video BW 3dB 8.8MHz†
105	uA720DC	69	4	8	Z318	MP486b	AM Radio System;Pd 200mW†;Osc.Current 8.0mAΔ;Osc.Out.Volt 1.2Vrms†.
106	uA720PC	69	4	8	Z318	MP252f	AM Radio System;Pd 200mW†;Osc.Current 8.0mAΔ;Osc.Out.Volt 1.2Vrms†.
107	uA721PC	69	4	8	Z659	MP177c	AM/FM Radio Subsys;Osc,Limiter,Quad Detector;Vs 3.5-16V;Sen 800uVrmsΔ;Is 20mA†
108	uA753TC	69	4	8	Z661	MP487	FM Gain Block;Voltage Gain At 10.7MHz 50dB;VS 12V;Pd 255mWΔ
109	uA2136DC	69	4	8	Z667	MP486b	FM IF Amplifier/Limiter/Detector;VS 12V;Audio Out 400mVrms;Amp Gain 56dB†
110	uA2136PC	69	4	8	Z667	MP252f	FM IF Amplifier/Limiter/Detector;VS 12V;Audio Out 400mVrms;Amp Gain 56dB†

SYMBOLS AND CODES
EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TECHNOLOGY / MODE (T C / E O / M D / P E)	DRAWINGS CKT.	DRAWINGS OUT-LINE △=MO	GENERAL DESCRIPTION
1▼	uA3075DC	69	48	Z670	MP486b	FM IF Amp/Limiter/Detector/Audio Preamp;Vs 12V;AM Rej at 4.7MHz 55dB
2	uA3075PC	69	48	Z670	MP252f	FM IF Amplifier/Limiter/Detector/Audio Preamp;VS 12V;AM Rej At 4.7MHz 55dB
3▼	uPC27C	69	17	Z1019	MP178m	AM/FM IF Amp;VCC 5.0V;ICC 10mA†;Gv 65dB† at Freq 455kHz;Vi 200mV△;THD 3.0%△
4	ULN2111A	69	08	Z811	MP153a	FM Detector and Limiter;Pd 300mW△;Vs 12V;Freq 4.5MHz;Gv 58db;Vi 3.5V.
5	ULN2113A	69	08	Z153	MP14w	FM Detector and Limiter;Pd 300mW△;Vs 8.2V;Freq 4.5MHz;Gv 58db;Vi 3.5V.
6	ULN2136A	69	27	Z818	MP153a	FM Detector and Limiter;Pd 600mW△;Vs 20V△;Is 22mA△.
7▼	ULN2204A	69	48	Z998	MP104h	AM/FM Radio System;Vs 5.5V;Is 16mA△ at Vs 9.0V;AM Sensitivity 9.0uV;FM Vth 40uV;Po 800mW△
8	ULN2208V	69	48		MP216	3 Stage FMIF Amp/Limiter;VT 12V;Pd 400mW△;Ri 270Ω;Gv 35db;Vi 400uV.
9	ULN2209M	69	27	Z356	MP48b	FM Limiter Amp;VCC 12V;Freq 10.7MHz;Gain 50dB;Pd 400mW△;Vo 110mVrms*.
10	ULN2209V	69	48	Z356	MP216	FM Gain Block;Vcc 12V;IS 22mA△;Pd 400mW△;Vo 500mVpp;Ri 330Ω;Gv 50db.
11▼	ULN2289A	69	48	Z166	MP104h	IF Sys for FM Rcvr;Vs 12V;Is 30mA△;Vth 25uV△;THD 1%△;AGC Output 6.3V△;AFC Output 600mV△
12▼	WJS1	69	5A	Z1001	MP612	Solid State Switch;SPST;Freq 0.5-500MHz;Switching Speed 1.0ns△;Ion 20mA;Ioff -20mA
13▼	WJS2A	69	5A	Z1002	CN49	Solid State Switch;SPST;Freq 10-1000MHz;Switching Speed 2.0ns△;Ion 20mA;Ioff -20mA
14▼	WJS2AC	69	5A	Z1002	MP752	Solid State Switch;SPST;Freq 10-1000MHz;Switching Speed 2.0ns△;Ion 20mA;Ioff -20mA
15▼	WJS4A	69	5A	Z1002	FP45	Solid State Switch;SPST;Freq 10-700MHz;Switching Speed 2.0ns△;Ion 20mA;Ioff -20mA
16▼	WJS5	69	5A	Z1003	MP615	Solid State Switch;SPST;Freq 10-500MHz;Ion 40mA;Ioff -40mA
17▼	WJS6	69	5A	Z1004	MP617a	Solid State Switch;SPST;Freq 0.5-200MHz;Switching Speed 2.0ns△;Ion 20mA;Ioff -20mA
18▼	WJS6C	69	5A	Z1004	MP618	Solid State Switch;SPST;Freq 0.5-200MHz;Switching Speed 2.0ns△;Ion 20mA;Ioff -20mA
19▼	WJS7	69	5A	Z1004	MP617	Solid State Switch;SPST;Freq 0.3-200MHz;Switching Speed 25.0ns△;Ion 20mA;Ioff -20mA
20▼	WJS7C	69	5A	Z1004	MP618a	Solid State Switch;SPST;Freq 0.3-200MHz;Switching Speed 25.0ns△;Ion 20mA;Ioff -20mA
21#	ZN414	69	07	Z777	TO18	AM Radio Rcvr;VS 1.2-1.6V;IS 300uA†;Sen 50uV†;THD 2.0%△;AGC 20dB†
22#	AN211	70	27		TO116	Stereo Demodulator;Pd 250mW†;Chan.Bal.2.0dB.
23#	AN271	70	27	Z409	MP178b	Chan Bal 1.5db;Vt 12V;Pd 340mW.
24#	AN362	70	16		MP178	FM Stereo Multiplex Demodulator;VCC 9V;Pd 600mW;Vo 160mV;THD 1%
25#	AN363	70	17	Z888	MP681	FM Stereo Multiplex Demodulator;Vcc 12V;Pd 570mW;Ch. Sep. 53dB;THD .040%
26	CA3090AQ	70	5C	Z167	MP214	Stereo Multiplex Decoder;VS 10-16V;Zin 50kΩ;SCA Rej 55dB typ;Dist 0.5%.
27	HEP594-RT	70	07	Z202	TO116	Stereo Demodulator w/built in Stereo Channel Separation.
28	HEP595-RT	70	07	Z203	TO116	Stereo Demodulator;Permits use of external control for max. separation.
29	HEPC6056P-RT	70	07	Z066	TO116	Stereo Demodulator;Zin 20kΩ†;THD 500m%†;Pt 625mW;VS 22Vdc.
30	HEPC6074P-RT	70	07	Z030	MP160a	FM Multiplex Stereo Demodulator;VS 12Vdc;Pd at 10V 300mW max;Harmonic Dist. 1.0%.
31#	LA3300	70	27	Z384	MP153a	FM Stereo Demodul;VCC 5.5-12V;Pd .5W;Zi 20kΩ†;THD 0.5%;Vo 70mV;Chan.Bal 0.2dB†;Sep 35dbmin
32#	LA3301	70	27	Z385	MP153a	FM Stereo Demodul;Vcc 4.0-12V;Pd .5W;Zi 20kΩ†;THD 0.5%;Vo 100mV;Chan.Bal 0.2db†;Sep35dbmin
33#	M5153P	70	17	Z534	MP14g	FM Stereo Demod;VS 14V max;Pd 625mW max;Zi 50kΩ;THD .3%;40db Chan Sep;Audio Vo 485mV(rms)
34▼#	MB4102	70	27		MP39r	FM Multiplex Stereo Demodulator;Vs 16V max;Pd 650mW max;Chan Sep 43dB;THD 0.15%
35▼#	MB4103	70	27		MP252n	FM Multiplex Stereo Demodulator;Vs 16V max;Pd 650mW max;Chan Sep 45dB;THD 0.15%
36	MC1310P	70	48	Z265	TO116	FM Stereo Demod;Vs 14V max;Pd 625mW max;Zi 50kΩ;THD .3%;40dB Chan.Sep;Audio Vo 485mV(RMS).
37	SK3078-RT	70	48		△001AC	12V,Stereo Decoder System in FM-Multiplex Stages for Hi-Fi Equipment.
38	SN76110N	70	07	Z066a	MP39h	Stereo Demodulator;THD .3%†;Zin 20kΩ†;VCC 14V△;Pd 625mW△.
39#	TCA290A	70	38	Z557	MP192a	Stereo Multiplex Decoder;VS 15V;Multiplex Inp Sign 1.0V△;Ri 50kΩ*;Dist factor .20%.
40	uA1310PC	70	48	Z871	MP675	Stereo Multiplex Decoder;Vs 8.0-14VDC;Pd 625mW△;Zin 50kΩ†;SCA Rej 75dB†;THD 0.3%†
41	ULN2128A	70	27	Z066	MP14w	Stereo Demodulator;Pd 180mW;THD .5%;Rin 20kΩ†;Vs 12V†.
42	ULN2244A	70	38	Z718	MP437c	PII,FM Stereo Demodulator;Vcc 12V;Icc 26mA;Separation 30dB;THD 1%△
43	883-5	71	05		MP563c	Quad Tone Detector;VS 5V,12V;Vi ±10V;Threshold Level 5.43V;Ri 20kΩ
44#	AN610	71	27	Z412	TO116	Balanced Modulator;Vt 12V;Pd 400mW.
45#	AN612	71	16	Z891	MP530	Balance Modulator;Vcc 12V;Ptot 220mW
46	ATF462	71	5C	Z527	CN2t	Linear Driver for Pin Diodes;Volt 0-10V;CMRR 40db;Ri 20kΩ;Pd 1.5W△;VSS ±12V.
47	ATF463	71	5C	Z527	CN2t	Linear Driver For Pin Diodes;Volt 0-10V;CMRR 40db;Ri 21kΩ△;Pd 1.5W△;VSS ±12V.
48	CD4-392B	71	07	Z425	MP437a	CD4 Demodulator;VT 12V;Ri 50k*;Ro 1.0kt;Distortion .05%;Gv 22db.
49	CH1213	71	07	Z569	MP557	Dual Channel FSK Demodulator With 1170Hz to 2125Hz Operation.
50	CH1214	71	07	Z570	MP557	Programmable FSK Modulator;Freq Rng 0.1 to 10kHz.
51	CH1223	71		Z850	MP664	Dual Chan FSK Demod;Use with CH1267;Vs ±12Vdc;Pd 450mW△;Dyn Rng 50dB*;1170Hz or 2125Hz
52	CH1224	71		Z850a	MP557	FSK Modulator;Vs ±12Vdc;Pd 300mW△;Freq Rng 0.1-10kHz;Vo 14.5V*
53#	LO25T9	71	28	Z158	TO100	Balanced Modulator and Analogue AC Multiplier;Vs 30V;Pd 300mW;Ri 30kΩ;Vo 3.8V.
54	LM1304N01	71	07	Z030	MP336a	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
55	LM1304N	71	07	Z030	MP39n	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
56	LM1305N01	71	07	Z031	MP336a	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
57	LM1305N	71	07	Z031	MP39n	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
58	LM1307EN01	71	07	Z132	MP336a	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
59	LM1307EN	71	07	Z132	MP39n	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
60	LM1307N01	71	07	Z060	MP336a	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
61	LM1307N	71	07	Z060	MP39n	FM Multiplex Stereo Dem;Vs 22V;Pd 625mW;Ri 20kΩ;THD 500m%.
62	LM1310N	71	07	Z647	MP39n	FM Stereo Demodulator;△Vs 10V-24V;Separation 40db;Lamp Driver 100mA.
63	LM1496H	71	07	Z089	CN1d	Double Balanced Mod/Demod;Pd 33mW†;Input Res 200kΩ†;Carrier Suppression 50dB* at 10MHz
64	LM1496J	71	07	Z089	MP319b	Double Balanced Mod/Demod;Pd 33mW†;Input Res 200kΩ†;Carrier Suppression 50dB* at 10MHz
65	LM1496N	71	07	Z089	MP39n	Double Balanced Mod/Demod;Pd 33mW†;Input Res 200kΩ†;Carrier Suppression 50dB* at 10MHz
66	LM1596H	71	5C	Z089	CN1d	Double Balanced Mod/Demod;Pd 33mW†;Input Res 200kΩ†;Carrier Suppression 50dB* at 10MHz
67	LM1596J	71	5C	Z089	MP319b	Double Balanced Mod/Demod;Pd 33mW†;Input Res 200kΩ†;Carrier Suppression 50dB* at 10MHz
68	LM1889N	71		Z841	MP579	TV Video Modulator;VS 12-18VDC;IS 35mA;Chroma Osc Volt 5.0Vp-p,Sound 3.5Vp-p
69	MC1330P	71	07	Z078	MP161	Low-level Video det;Sup VoH 24V;Sup Cur 26mA;Pt 625mW;Ro 18Ω;BW3dB IF Car 80MHz.
70	MC1356P	71	28	Z452	MP307	FM Detector and Limiter;Pd 1.0W;Det Output 3.8V†;AM Rejection 42dB†;Dist. 1.0%†.
71	MC1445F§	71	07	E036	TO86	Gate Controlled Two-Channel-Input;VGOL 200mVdc*;VGOH 3.0Vdc△;Pd 500mW.
72	MC1445G§	71	07	E036	CN10m	Gate Controlled Two-Channel-Input;VGOL 200mVdc*;VGOH 3.0Vdc△;Pd 680mW.
73	MC1445L§	71	07	E036	TO116	Gate Controlled Two-Channel-Input;VGOL 200mVdc*;VGOH 3.0Vdc△;Pd 625mW.
74	MC1496G	71	07	Z052a	CN10m	Balanced Modulator-Demodulator;△Vs 20§;Pd 33mW†;Vo 8.0†;Carr Suppr -65dB† at 500kHz.
75▼	MC1496K	71	5C	Z089	TO100	Modulator-Demodulor;Vs 30V△;Vi 5.0V△;Vo 8.0V†;Pd 680mW△;Carr Suppr 65dB at 500kHz
76	MC1496L	71	07	Z052a	TO116	Balanced Modulator-Demodulator;△Vs 20§;Pd 33mW†;Vo 8.0†;Carr Suppr -65dB† at 500kHz.
77▼	MC1496N	71	5C	Z089	MP153h	Modulator-Demodulor;Vs 30V△;Vi 5.0V△;Vo 8.0V†;Pd 93mW†;Carr Suppr 65dB at 500kHz
78	MC1496P	71	07	Z052a	MP307	Balanced Modulator-Demodulator;△VS 20§;Pd 33mW†;Vo 8.0V†;Carr.Suppr 65db† at 500kHz.
79	MC1545F§	71	5C	E036	TO86	Wideband Amp. Gate Controlled Two-Channel-Input;VGOL 450mVdc*;VGOH 2.2Vdc△;Pd 500mW.
80	MC1545G§	71	5C	E036	CN10m	Wideband Amp. Gate Controlled Two-Channel-Input;VGOL 450mVdc*;VGOH 2.2Vdc△;Pd 680mW.
81	MC1545L§	71	5C	E036	TO116	Wideband Amp.Gate Controlled Two-Channel-Input;VGOL 450mVdc*;VGOH 2.2Vdc△;Pd 625mW.
82	MC1596G	71	5C	Z052a	CN10m	Balanced Modulator-Demodulator;△Vs 20§;Pd 33mW†;Vo 8.0†;Carr suppr -65dB† at 500kHz.
83♦	MC1596K	71	5C	Z089	TO100	Modulator-Demodulor;Vs 30V△;Vi 5.0V△;Vo 8.0V†;Pd 680mW△;Carr Suppr 65dB at 500kHz
84	MC1596L	71	5C	Z052a	TO116	Balanced Modulator-Demodulator;△Vs 20§;Pd 33mW†;Vo 8.0†;Carr Suppr -65dB† at 500kHz.
85▼	MC1596N	71	5C	Z089	MP153h	Modulator-Demodulor;Vs 30V△;Vi 5.0V△;Vo 8.0V†;Pd 72mW†;Carr Suppr 65dB at 500kHz
86	MN2120	71	06	Z961	MP706	Phase Sensitive Demod;Vs ±15V,±7.5V;Pd 91.5mW;Vi 13Vrms△;Ri 100kΩ†;Fin 100kHz△;Acc .05%FS△
87	MN2120H	71	5C	Z961	MP706	Phase Sensitive Demod;Vs ±15V,±7.5V;Pd 91.5mW;Vi 13Vrms△;Ri 100kΩ†;Fin 100kHz△;Acc .05%FS△
88#	PL1310	71	07		TO116	FM Stereo Demodulator;VS 10V-24V;Separation 40dB;Lamp Drive 100mA
89#	S0280	71			MP☐	Station Decoder for FM Road Traffic Info Service;Vs 18V,Quiesc Dissip 600mW
90#	S0281	71			MP☐	Message Decoder for FM Road Traffic Info Service;Vs 18V,Quiesc Dissip 600mW
91#	S551	71			MP☐	Message Decoder for FM Road Traffic Info Service;Vs 18V,Quiesc Dissip 360mW
92#	S552	71			MP☐	Area Decoder for FM Road Traffic Info Service;Vs 18V,Quiesc Dissip 400mW
93	SG1496J	71	07	Z052	TO116	Doub-Bal Mod/Demod;Pd 33mW†;Vo 8.0V†
94	SG1496N	71	07	Z052	MP39a	Doub-Bal Mod/Demod;Pd 33mW†;Vo 8.0V†
95	SG1496T	71	07	Z052	TO100	Doub-Bal Mod/Demod;Pd 33mW†;Vo 8.0V†
96	SG1596J	71	5C	Z052	TO116	Doub-Bal Mod/Demod;Pd 33mW†;Vo 8.0V†
97	SG1596T	71	5C	Z052	TO100	Doub-Bal Mod/Demod;Pd 33mW†;Vo 8.0V†
98#	SL355	71	2C	Z001a	CN27b	4 Transistor Mod/Demod;BVEBO 5.0V;Transition Freq 600MHz†
99#	SL640C	71	5C	Z050	CN11e	Double Balanced Modulator;VS 6.0V;Conversion Gain 2.0db△;NF 15db;IS 16mA△.
100#	SL641C	71	5C	Z049	CN11e	Double Balanced Modulator;VS 6.0V;Conversion Trans Cond 2.5mmho;NF 12db;IS 13nA△.
101#	SL1025B	71	28	Z788	TO100	Double Balanced Modulator Demodulator;VS ±10V;IS 2.5mA△;△Vo 1.3V;Ro 10Ω△
102#	SL1496#1	71	07	Z052a	CN27b	Double-Balanced Modulator/Demodulator;VS 20V§;Pd 33mW†;Vo 8V†;Carr Supp 65dB†
103#	SL1496#2	71	07	Z052a	MP319	Double-Balanced Modulator/Demodulator;VS 20V§;Pd 33mW†;Vo 8V†;Carr.Supp 65db†.
104#	SL1596#1	71	5C	Z052a	CN27b	Double-Balanced Modulator/Demodulator;VS 20V§;Pd 33mW†;Vo 8V†;Carr Supp 65dB†
105#	SL1596#2	71	5C	Z052a	MP319	Double-Balanced Modulator/Demodulator;VS 20V§;Pd 33mW†;Vo 8V†;Carr Supp 65dB†
106#	SL1696	71	07	Z799	CN11e	Double Bal Modulator-Demodulator;VS 30V§;Pd 33mW†;Vo 8.0V†;Carr Supp 65dB†
107#	SL1796	71	07	Z799	CN11e	Double Bal Modulator-Demodulator;VS 30V§;Pd 33mW†;Vo 8.0V†;Carr Supp 65dB†
108#	TBA120T	71	16	Z491	MP39	FM IF Amp and Demodulator;VCC 12V;Ptot 400mW;ICC 13.5mA.
109#	TBA120U	71	16	Z491a	MP39	FM IF Amp and Demodulator;VCC 12V;Ptot 400mW;ICC 13.5mA.
110#	TCA240	71	27	Z234	MP192a	Dual Bal Mod/Demod W/Matched Charact;Pd 500mW,Vs 10V;Freq Response 34MHz at Is 5mA

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TEMP	CODE	DRAWINGS CKT.	DRAWINGS OUTLINE Δ=MO	GENERAL DESCRIPTION
			-+				
1#	TCA240D	71	2	7	Z234	FP53	Dual Bal Mod/Demod W/Matched Charact;Pd 500mW,Vs 10V;Freq Response 34MHz at Is 5mA
2#	TCA540	71	2	5	Z317	MP337d	Synchronous Demodulator;Vs 12V†;IS 40mA†.
3#	TCA540Q	71	2	5	Z317	MP256	Synchronous Demodulator;Vs 12V†;IS 40mA†.
4#	TCA820	71	0	7	Z540	FP41	Double Sym Modulator/Demodulator;Freq 650MHzΔ;Pt 250mWΔ;VSCO 16VΔ;IE10mAΔ.
5#	TDA1060	71	2	8	Z838	MP545c	Pulse Modulator With Internal Sawtooth Gen 50Hz To 100kHz;Output Pulse:5V,40mAmin
6	uA746HC	71	0	7	Z062	TO100	Chroma Demodulator;Pd 430mWΔ;VS 28VΔ;IS 12.5mAΔ.
7	uA746PC	71	0	7	Z062	MP252f	Chroma Demodulator;Pd 430mWΔ;VS 28VΔ;IS 12.5mAΔ.
8	uA796HC	71	0	7	Z321	TO100	Double Balanced Mod/Demod;Pos IS 3.0mAΔ;Neg IS 4.0mAΔ;Pd 33mW†;Applied Volt 30VΔ
9	uA796PC	71	0	7	Z321	MP252f	Double Balanced Mod/Demod;Pos IS 3.0mAΔ;Neg IS 4.0mAΔ;Pd 33mW†;Applied Volt 30VΔ
10	XR210	71	0	7	Z361	MP343a	FSK Modulator/Demodulator;Pd 750mWΔ;Freq .5Hz-20MHz;VS 5V-26V;Is 16mAΔ;tr 20ns;tf 40ns.
11	XR210M	71	5	C	Z361	MP343a	FSK Modulator/Demodulator;Pd 750mWΔ;Freq .5Hz-20MHz;Vs 5V-26V;Is 16mAΔ;tr 20ns;tf 40ns.
12	XR2211CN	71	0	7	Z440	MP402	FSK Demod/Tone Decoder;VS 24VΔ;Pd 750mW;Freq .01Hz to 300kHz;Ri 20kΩ.
13	XR2211CN⊠	71	4	8	Z805	MP319c	FSK Demod/Tone Decoder;Vs 12V,Is 9mAmax;.01Hz to 300kHz;Freq Accuracy ±1% Typ
14	XR2211CP	71	0	7	Z440	MP402	FSK Demod/Tone Decoder;VS 24VΔ;Pd 625mW;Freq .01Hz to 300kHz;Ri 20kΩ.
15	XR2211CP⊠	71	4	8	Z805	MP319f	FSK Demod/Tone Decoder;Vs 12V,Is 9mAmax;.01Hz to 300kHz;Freq Accuracy ±1% Typ
16	XR2211M	71	5	C	Z440	MP402	FSK Demod/Tone Decoder;Vs 24VΔ;Pd 750mW;Freq .01Hz-300kHz;Ri 20kΩ.
17	XR2211M⊠	71	5	C	Z805	MP319c	FSK Demod/Tone Decoder;Vs 12V,Is 7mAmax;.01Hz to 300kHz;Freq Accuracy ±1% Typ
18	XR2211N	71	4	8	Z440	MP402	FSK Demod/Tone Decoder;VS 24VΔ;Pd 750mW;Freq .01Hz to 300kHz;Ri 20kΩ.
19	XR2211N⊠	71	0	7	Z805	MP319c	FSK Demod/Tone Decoder;Vs 12V,Is 7mAmax;.01Hz to 300kHz;Freq Accuracy ±1% Typ
20	XR2211P	71	4	8	Z440	MP402	FSK Demod/Tone Decoder;VS 24VΔ;Pd 625mW;Freq .01Hz to 300kHz;Ri 20kΩ.
21	XR2211P⊠	71	0	7	Z805	MP319f	FSK Demod/Tone Decoder;Vs 12V,Is 7mAmax;.01Hz to 300kHz;Freq Accuracy ±1% Typ
22#	AN320	72	2	7	Z523	MP104	TV Color Tuning System Combination;VS 22VΔ;Is 20mA;Pt 640mW.
23#	AN326	72	1	6		MP178	TV Automatic Fine Tuning;VCC 12V;Pd 290mW;Gv 27dB
24	MC1364P	72	0	7	Z055	TO116	Automatic Frequency Control;Pt 625mW;ΔVi 12V§;Total Supply I 12mA
25	SK3070-RT	72	5	C	D017	Δ006AF	30V,Automatic Frequency Control;AFC Stages for TV Receivers.
26#	TCA530	72	1	6	Z327	MP337e	30V Adj.Stabilization Switch for Tuning Diodes with fixed short circuit outp;Vi 47-63V.
27#	TDA4260	72				MP⊠	AFT IC with Programmable Current Shift;Vs 15V,Pd 250mW,Zi 10kΩ
28	A205	73	2	8		CB⊠	Wideband Automatic Gain Ranging Amp;70dB range;DC-15kHz;TC 20uV/°C.
29	A206	73	2	8		CB⊠	Wideband Automatic Gain Ranging Amp;70dB range;DC-15kHz;TC 10uV/°C.
30	A207	73	2	8		CB⊠	Wideband Automatic Gain Ranging Amp;70dB range;DC-15kHz;TC 5uV/°C.
31#	AN247P	73	2	7	Z521	MP252h	TV Video IF Amplifier AGC Circuit;VS 12V;Is 30mAΔ;Pt 550mW.
32#	AN302	73	2	6	Z299	MP178	VTR Video AGC Circuit;Vs 9-12V;AGC;Pre-emphasis;Clamp;White Clip;Distortion .5%.
33#	AN305	73	2	7	Z522	MP104	VTR Color AGC Circuit;VS 12V;Is 33mA;Pt 540mW.
34	LM170H§	73	5	C	C004	CN17j	AGC/Squelch Sys;VS 24V;AV 37.5dB*;Vi ±19V;Bias current 10uA max.
35	LM270H§	73	2	7	C004	CN17j	AGC/Squelch Sys;VS 24V;AV 37.5dB*;Vi ±19V;Bias current 10uA max.
36	LM370H§	73	0	7	C004	CN17j	AGC/Squelch Sys;VS 24V;AV 35dB*;Vi ±19V;Bias current 12uA max.
37	LM370N§	73	0	7	C004	MP39n	AGC/Squelch Sys;VS 24V;AV 35dB*;Vi ±19V;Bias current 12uA max.
38#	SL620C	73	6	G	Z048a	CN11e	AGC Generator;Vs 6.0V;Vo 2.0V*;Quiescent Cur 4.1mAΔ;Ro 40Ω;Ri 1.4kΩ.
39#	SL621C	73	6	G	Z048	CN11e	AGC Generator;Vs 6.0V;Vo 5.1V*;Quiescent Cur 4.1mAΔ;Ro 70Ω;Ri 500Ω.
40	MC12002L	74	3	8	Z795	TO116	Double Balanced Mixer;ECL PLL Component For Sync Detection And Freq Doubling Up To UHF
41	MC12002P	74	3	8	Z795	MP307	Double Balanced Mixer;ECL PLL Component For Sync Detection And Freq Doubling Up To UHF
42	MC12502L	74	5	C	Z795	TO116	Double Balanced Mixer;ECL PLL Component For Sync Detection And Freq Doubling Up To UHF
43#	S042E	74	1	7	Z278	CN72	Freq Up to 200MHz;Vs 12V;Is 680uA;Outp Cap 6.0pf;Mixing Gain 5.0mS;NF 7.0dB
44#	S042P	74	1	7	Z278	MP39q	Freq Up to 200MHz;Vs 12V;Is 680uA;Outp Cap 6.0pf;Mixing Gain 5.0mS;NF 7.0dB
45	SN56514J	74	5	C	Z144	MP139	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ;Conv.Gain 14dB Typ.
46	SN56514L	74	5	C	Z144	TO100	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ;Conv.Gain 14dB Typ.
47	SN76514J	74	0	7	Z144	MP139	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ;Conv.Gain 14dB Typ.
48	SN76514L	74	0	7	Z144	TO100	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ;Conv.Gain 14dB Typ.
49	SN76514N	74	0	7	Z144	MP39h	Balanced Mixers;VCC 12V Typ;RF-IF Isolation 30dB Typ; Conv.Gain 14dB Typ.
50	WJM1	74	2	A	Z734	MP612	Double Bal;LO RF.2-500MHz;IF DC-500MHz;Isol 50dB typ,CL8.5dB max at LO 7dBm,50ohms
51	WJM1A	74	5	A	Z734	MP612	Double Bal;LO RF3-1000MHz;IF DC-1000MHz;Isol 45dB typ,CL10dB max at LO 7dBm,50ohms
52	WJM1A-11	74	5	A	Z734	MP612	Double Bal;LO RF3-1000MHz;IF DC-1200MHz;Isol 45dB typ,CL10dB max at LO 7dBm,50ohms
53	WJM1B	74	2	A	Z736	MP612	Double Bal;LO RF.2-500MHz;IF DC-500MHz;Isol 25dB min,CL9.0dB max at LO 13dBm 50ohms
54	WJM1C	74	2	A	Z734	MP612	Double Bal;LO RF50KHz-200MHz;IF DC-200MHz;Isol 30dB min,CL8.5dB max at LO 7dBm,50ohms
55	WJM1D	74	5	A	Z734	MP613	Double Bal;LO RF.5-500MHz;IF DC-500MHz;Isol 20dB min,CL9.0dB max at LO 17dBm,50ohms
56	WJM1E	74	5	7	Z734	MP612a	Double Bal;LO RF1-400MHz;IF DC-400MHz;Isol 25dB min,CL9.0dB max at LO 27dBm,50ohms
57	WJM1G	74	5	A	Z734	MP614	Double Bal;LO RF1-4.2GHz;IF DC-1GHz;Isol 40dB typ,CL8.5dB max at LO 7dBm,50ohms
58	WJM1H	74	5	A	Z734	MP614	Double Bal;LO RF1.8-6.2GHz;IF DC-2GHz;Isol 35dB typ,CL9.0dB max at LO 7dBm,50ohms
59	WJM1J	74	5	A	Z734a	MP614	Double Bal;LO RF300-2000MHz;IF DC-1000MHz;Isol 50dB typ,CL9.0dB max at LO 7dBm,50ohms
60	WJM1K	74	5	8	Z734	MP614	Double Bal;LO RF1.0-4.0GHz;IF DC-1000MHz;Isol 10dB min,CL9.5dBmax at LO 20dBm,50ohms
61♦	WJM2A	74	2	A	Z734	CN59	Double Bal;LO RF10-1500MHz;IF DC-800MHz;Isol 35dB typ,CL9.0dB max at LO 7dBm,50ohms
62▼	WJM2AC	74	0	5	Z734	MP752	Double Bal;LO,RF 10-1500MHz;IF DC to 800MHz;Isol 35dB;CL 9.0dBΔ;50Ω Sys
63	WJM2E	74	5	A	Z737	CN59a	Double Bal;LO RF10-1200MHz;IF DC-600MHz;Isol 15dB min,CL9.0dB max at LO 25dBm,50ohms
64▼	WJM2EC	74	0	5	Z737	MP752	Double Bal;LO,RF 10-1200MHz;IF DC to 600MHz;Isol 35dB;CL 10dBΔ;50Ω Sys
65♦	WJM2G	74	5	A	Z734a	CN59a	Double Bal;LO.8-3.5GHz;RF1.0-1.5GHz;IF DC-1.5GHz;Isol 30dB typ,CL8.5dB max at LO 7dBm,50Ω
66▼	WJM2GC	74	0	5	Z734a	MP752	Double Bal;LO 800-3500MHz;RF 1.0-2.2GHz;IF DC to 1.5GHz;Isol 25dB;CL 8.5dB;50Ω Sys
67	WJM4A	74	2	A	Z734a	FP45	Double Bal;LO RF10-1500MHz;IF DC-1000MHz;Isol 35dB typ,CL9.5dB max at LO 7dBm,50ohms
68	WJM4G	74	5	A	Z738	FP45	Double Bal;LO.8-3.5GHz;RF.8-2.5GHz;If DC-1.5GHz;Isol 30dBtyp,CL8.5dB max at LO7dBm,50 ohms
69	WJM5D	74	5	A	Z739	MP615	Double Bal;LO RF100-1500MHz;IF DC-500MHz;Isol 40dB typ,CL9.5dB max at LO 7dBm,50ohms
70	WJM5H	74	5	A	Z740	MP616	Double Bal;LO RF1.8-6.2GHz;IF DC-2GHz;Isol 35dB typ,CL8.5dB max at LO 7dBm,50ohms
71	WJM6	74	5	A	Z735	MP617a	Double Bal;LO RF IF.2-300MHz;Isol 25dB min,CL8.5dB max at LO 7dBm,50ohms
72	WJM6A	74	5	A	Z735a	MP617	Double Bal;LO RF.05-200MHz;IF DC-200MHz;Isol 45dB typ,CL8.5dB max at LO 7dBm,50ohms
73	WJM6D	74	5	A	Z741	MP615a	Double Bal;LO RF.05-200MHz;IF DC-200MHz;Isol 30dB min,CL8.5dB max at LO 7dBm,50ohms
74	WJM6E	74	5	A	Z742	MP615a	Double Bal;LO RF5-500MHz;IF DC-500MHz;Isol 25dB min,CL9.0dB max at LO 7dBm,50ohms
75	WJM6F	74	5	A	Z735a	MP617	Double Bal;LO RF2-500MHz;IF DC-500MHz;Isol 50dB typ,CL9.0dB max at LO 7dBm,50ohms
76	WJM6G	74	5	A	Z734a	CN60	Double Bal;LO RF.6-2GHz;IF DC-.3GHz;Isol 25dB typ,CL8.5dB max at LO 7dBm,50ohms
77	WJM6H	74	5	A	Z741a	MP615	Double Bal;LO RF2KHz-12MHz;IF DC-12MHz;Isol 30dB min,CL7.0dB max at LO 7dBm,50ohms
78	WJM6J	74	5	A	Z735a	MP617	Double Bal;LO RF2KHz-12MHz;IF DC-12MHz;Isol 30dB min,CL7.0dB max at LO 7dBm,50ohms
79	WJM6K	74	5	A	Z735	MP617a	Double Bal;LO RF5-400MHz;IF DC-400MHz;Isol 20dB min,CL9.0dB max at LO 7dBm,50ohms
80	WJM6KC	74	5	A	Z735a	MP618	Double Bal;LO RF5-400MHz;IF DC-400MHz;Isol 20dB min,CL9.0dB max at LO 7dBm,50ohms
81	WJM6L	74	5	A	Z735	MP617a	Double Bal;LO RF.2-70MHz;IF DC-140MHz;Isol 25dB min,CL7.0dB max at LO 7dBm,50ohms
82	WJM6N	74	6	A	Z735a	MP617	Double Bal;LO RF5-400MHz;IF DC-400MHz;Isol 20dB min,CL9.0dB max at LO 7dBm,50ohms
83	WJM6R	74	5	A	Z734a	CN60	Double Bal;LO.01-1.2GHz;RF.01-1.0GHz;If DC-1.0GHz;Isol40dBtyp,CL9.5dBmax at LO7dBm,50ohms
84	WJM6S	74	5	A	Z734	CN60b	Double Bal;LO RF.4-100MHz;IF DC-100MHz;Isol 10dB min,CL6.5dB max at LO 7dBm,50ohms
85	WJM6T	74	5	A	Z734	CN60b	Double Bal;LO RF10-500MHz;IF DC-500MHz;Isol 10dB min,CL9.0dB max at LO 7dBm,50ohms
86	WJM6V	74	5	A	Z734a	CN60	Double Bal;LO RF.4-500MHz;IF DC-500MHz;Isol 50dB typ,CL7.5dB max at LO 7dBm,50ohms
87	WJM7A	74	5	A	Z748	MP627	Single Bal;LO RF10-1200MHz;IF DC-1200MHz;Isol 15dB min,CL8.5dB max at LO 7dBm,50ohms
88	WJM7B	74	5	A	Z749	CN60a	Single Bal;LO RF750-2500MHz;IF DC-2500MHz;Isol 15dB min,CL8.5dB max at LO 7dBm,50ohms
89	WJM8E	74	5	A	Z748	MP627a	Single Bal;LO RF5-500MHz;IF DC-500MHz;Isol 8.0dB min,CL6.5dB max at LO 7dBm,50ohms
90	WJM9	74	5	A	Z735	MP617a	Double Bal;LO RF.4-500MHz;IF DC-500MHz;Isol 25dB min,CL9.0dB max at LO 13dBm,50ohms
91	WJM9A	74	5	A	Z735	MP617a	Double Bal;LO RF.05-200MHz;IF DC-200MHz;Isol 25dB min,CL9.0dB max at LO 13dBm,50ohms
92	WJM9AC	74	5	A	Z735a	MP618	Double Bal;LO RF.05-200MHz;IF DC-200MHz;Isol 25dB min,CL9.0dB max at LO 13dBm,50ohms
93	WJM9B	74	5	A	Z735a	MP617a	Double Bal;LO RF.5-500MHz;IF DC-500MHz;Isol 20dB min,CL9.0dB max at LO 17dBm,50ohms
94	WJM9BC	74	5	A	Z735a	MP618	Double Bal;LO RF.5-500MHz;If DC-500MHz;Isol20dBmin,CL9.0dBmax at LO17dBm,50 ohms
95	WJM9C	74	5	A	Z735a	MP618	Double Bal;LO RF.4-500MHz;IF DC-500MHz;Isol 25dB min,CL9.0dB max at LO 13dBm,50ohms
96	WJM9D	74	5	8	Z743	MP615	Double Bal;LO2-500MHz;RF2-400MHz;IF DC-800MHz;Isol 20dB min,CL9.0dB max at LO 20dBm,50ohms
97	WJM9E	74	5	7	Z735a	MP619	Double Bal;LO RF1-400MHz;IF DC-400MHz;Isol 25dB min,CL9.0dB max at LO 27dBm,50ohms
98	WJM9G	74	5	8	Z744	CN59a	Double Bal;LO.01-1.6GHz;RF.01-1.5GHz;If DC-.6GHz;Isol9.0dB min,CL7.0dB typ at LO20dBm,
99▼	WJM9GC	74	0	5	Z744	MP752	Double Bal;LO 10-1600MHz;RF 10-1500MHz;IF DC to 600MHz;Isol 30dB;CL 10dBΔ;50Ω Sys
100	WJM9H	74	5	8	Z737	CN59a	Double Bal;LO.01-1.6GHz;RF.01-1.5GHz;If DC-.6GHz;Isol8.0dB min,CL9.5dB max at LO20dBm,
101▼	WJM9HC	74	0	5	Z737	MP752	Double Bal;LO 10-1600MHz;RF 10-1500MHz;IF DC to 600MHz;Isol 28dB;CL 9.5dB;50Ω Sys
102	WJM12	74	5	A	Z745	MP620	Double Bal;LO RF4-8GHz;IF .005-3GHz;Isol 16dB min,CL8.0dB max at LO 13dBm,50ohms
103	WJM12A	74	5	A	Z745	MP620	Double Bal;LO RF4-12GHz;IF .005-4GHz;Isol 16dB min,CL8.5dB max at LO 13dBm,50ohms
104	WJM14	74	5	A	Z734	MP621	Double Bal;LO4-9GHz;RF4-8GHz;IF DC-2GHz;Isol 35dB typ,CL8.0dB max at LO 7dBm,50ohms
105	WJM14A	74	5	A	Z734	MP621	Double Bal;LO4-16GHz;RF6-14GHz;IF DC-2GHz;Isol 30dB typ,CL9.5dB max at LO 7dBm,50ohms
106	WJM15	74	5	A	Z746	MP622	Double Bal;LO RF2-6GHz;IF DC-1.5GHz;Isol 10dB min,CL10dB max at LO 7dBm,50ohms
107	WJM15C	74	5	A	Z746	MP623	Double Bal;LO RF2-6GHz;IF DC-1.5GHz;Isol 10dB min,CL10dB max at LO 7dBm,50ohms
108	WJM16	74	5	A	Z746	MP622	Double Bal;LO RF4-9GHz;IF DC-3GHz;Isol 8.0dB min,CL10dB max at LO 7dBm,50ohms
109	WJM16C	74	5	A	Z746	MP623	Double Bal;LO RF4-9GHz;IF DC-3GHz;Isol 8.0dB min,CL10dB max at LO 7dBm,50ohms
110	WJM17	74	5	A	Z746	MP622	Double Bal;LO RF6-16GHz;IF DC-3GHz;Isol 10dB min,CL10dB max at LO 7dBm,50ohms

LINE No.	[2] TYPE No.	[1] USE	TEMP CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	WJM17C	74	5A	Z746	MP623	Double Bal;LO RF6-16GHz;IF DC-3GHz;Isol 10dB min,CL10dB max at LO 7dBm,50ohms
2	WJM18	74	5A	Z746	MP622	Double Bal;LO RF8-18.5GHz;IF DC-4GHz;Isol 10dB min,CL11dB max at LO 7dBm,50ohms
3	WJM18C	74	5A	Z746	MP623	Double Bal;LO RF8-18.5GHz;IF DC-4GHz;Isol 10dB min,CL11dB max at LO 7dBm,50ohms
4	WJM19	74	5A	Z745	MP620	Double Bal;LO RF2-14GHz;IF.03-4GHz;Isol 10dB min,CL10dB max at LO 13dBm,50ohms
5	WJM20	74	5A	Z754	MP621a	Double Bal;LO RF12-18GHz;IF DC-3GHz;Isol 25dB typ,CL9.0dB max at LO 7dBm,50ohms
6	WJM21	74	5A	Z745	MP622	Double Bal;LO RF2.5-5GHz;IF5MHz-2GHz;Isol 12dB min,CL6.0dB typ at LO 13dBm typ,50ohms
7	WJM21C	74	5A	Z745	MP623	Double Bal;LO RF2.5-5GHz;IF5MHz-2GHz;Isol 12dB min,CL6.0dB typ at LO 13dBm typ,50ohms
8	WJM22	74	5A	Z745	MP622	Double Bal;LO RF4-9GHz;IF5MHz-3GHz;Isol 10dB min,CL6.0dB typ at LO 13dBm typ,50ohms
9	WJM22C	74	5A	Z745	MP623	Double BAL:LO RF4-9GHz;IF5MHz-3GHz;Isol 10dB min,CL6.0dB typ at LO 13dBm typ,50ohms
10	WJM26-3	74	5A	Z750	MP628	Single Bal;LO RF1.95-4.05GHz;IF50-750MHz;Isol 15dB min,CL10dB max at LO-3t to 13dBm,50ohms
11	WJM26-4	74	5A	Z750	MP628a	Single Bal;LO RF3.95-8.05GHz;IF50-750MHz;Isol 15dB min,CL10dB max at LO-3 to 13dBm,50ohms
12	WJM26-5	74	5A	Z750	MP628a	Single Bal;LO RF7.95-12.05GHz;IF50-750MHz;Isol 15dB min,CL9.0dB max at LO-3 to13dBm,50ohms
13	WJM26-6	74	5A	Z750	MP628a	Single Bal;LO RF7.95-18.05GHz;If 50-750MHz;Isol13dBmin,CL9.0dBmax at LO-3to13dBm,50 ohms
14	WJM26F	74	5A	Z750	MP629	Single Bal;LO RF7.95-18.05GHz;IF20-750MHz;Isol 13dB min,CL11.5dB max at LO-3 to 13dBm,50Ω
15	WJM28C	74	5A	Z747	MP624a	Double Bal;LO RF1-18.5GHz;IF DC-.4GHz;Isol 15dB min,CL11.5dB max at LO 13dBm max,50ohms
16	WJM29C	74	5A	Z751	MP630	Single Bal;LO RF1-18.5GHz;IF5-500MHz;Isol 15dB min,CL20dB max at LO 10dBm max,50ohms
17	WJM31A	74	5A	Z752	MP631	Single Bal;LO RF8-12GHz;IF DC-2GHz;Isol 25dB typ,CL7dB typ at LO 7dBm,50ohms
18	WJM31B	74	5A	Z752	MP631	Single Bal;LO RF8-18GHz;IF DC-2GHz;Isol 25dB typ,CL7.0dB typ at LO 7dBm,50ohms
19▼	WJM33B	74	5A	Z753	MP753	Image Reject;LO,RF 5.0-12GHz;IF 20-200MHz;Isol 30dB;CL 10dBΔ;Image Rej 25dB
20▼	WJM33C	74	5A	Z753	MP754	Image Reject;LO,RF 7.0-16GHz;IF 20-200MHz;Isol 30dB;CL 9.0dB;Image Rej 22dB
21▼	WJM33D	74	5A	Z753	MP754	Image Reject;LO,RF 9.0-18.5GHz;IF 20-200MHz;Isol 28dB;CL 9.5dB;Image Rej 22dB
22▼	WJM33F	74	5A	Z753a	MP755	Image Reject,Down Converter;LO,RF 9.5-10.5GHz;IF 20-200MHz;Isol 20dB;CL 5.5dB;Rej 20dB
23▼	WJM34B	74	5A	Z753	MP753	Single Sideband Upconverter;LO,RF 5.0-12GHz;IF 20-200MHz;Sideband Suppression 22dB;CL 10dB
24▼	WJM34C	74	5A	Z753	MP754	Single Sideband Upconverter;LO,RF 8.0-18GHz;IF 20-200MHz;Sideband Suppression 22dB;CL 10dB
25	WJM62	74	26	Z734	MP625	Double Bal;LO2.8-5.35GHz;RF3.7-4.2GHz;If DC-1125MHz;Isol15dBmin,CL6.5dBmax at LO9dBm,
26	WJM62C	74	26	Z734	MP626	Double Bal;LO2.8-5.35GHz;RF3.7-4.2GHz;IF DC-1125MHz;Isol 15dB min,CL65dB max at LO9dBm,50Ω
27	WJM63	74	5A	Z734	MP625	Double Bal;LO2.5-6.6GHz;RF2.5-5.5GHz;IF DC-1.1GHz;Isol 14dB min,CL7.0dB max at LO 9dBm,50Ω
28	WJM63C	74	5A	Z734	MP626	Double Bal;LO2.5-6.6GHz;RF2.5-5.5GHz;IF DC-1.1GHz;Isol 14dB min,CL7.0dB max at LO 9dBm,50Ω
29	WJM64	74	15	Z734	MP625	Down Conv;LO2.2GHz;RF5.9-6.4GHz;IF3.7-4.2GHz;Isol 20dB min,CL6.5dB max at LO 7dBm,50ohms
30	WJM64C	74	15	Z734	MP626	Down Conv;LO2.2GHz;RF5.9-6.4GHz;IF3.7-4.2GHz;Isol 20dB min,CL6.5dB max at LO 7dBm,50ohms
31	WJM65#1	74	26	Z734	MP625a	Double Bal;LO4.8-5.3MHz;RF1.1GHz;IF5.9-6.4GHz;Isol 15dB min,CL8.0dB max at LO 15dBm,50ohms
32	WJM65#2	74	26	Z734	MP625a	Double Bal;LO1.1GHz;RF4.8-5.3GHz;IF5.9-6.5GHz;Isol 20dB min,CL7.5dB max at LO 15dBm,50ohms
33	WJM65C#1	74	26	Z734	MP626a	Double Bal;LO4.8-5.3MHz;RF1.1GHz;IF5.9-6.4GHz;Isol 15dB min,CL8.0dB max at LO 15dBm,50ohms
34	WJM65C#2	74	26	Z734	MP626a	Double Bal;LO1.1GHz;RF4.8-5.3GHz;IF5.9-6.5GHz;Isol 20dB min,CL7.5dB max at LO 15dBm,50ohms
35▼	WJM66	74	5A	Z734a	MP625a	Double Bal;LO 8.9-14.2GHz;RF 10.9-12.2;IF DC to 2.0GHz;Isol 35dB;CL 8.0dB;Noise Fig 8.0dB
36▼	WJM66C	74	5A	Z734a	MP626a	Double Bal;LO 8.9-14.2GHz;RF 10.9-12.2;IF DC to 2.0GHz;Isol 35dB;CL 8.0dB;Noise Fig 8.0dB
37▼	WJM67	74	5A	Z734a	MP625a	Double Bal;LO 7.0-17.0GHz;RF 9.0-15.0GHz;IF DC to 2.5GHz;Isol 40dB;CL 9.0dB;Noise 9.0dB
38▼	WJM67C	74	5A	Z734a	MP626a	Double Bal;LO 7.0-17.0GHz;RF 9.0-15.0GHz;IF DC to 2.5GHz;Isol 40dB;CL 9.0dB;Noise 9.0dB
39▼	WJM68C	74	26	Z734a	MP756	Double Bal;LO 12.85-13.65GHz;Input 850-1150MHz;Output 14.0-14.5GHz;Isol 17dB;CL 7.5dB
40▼	WJM69C	74	15		MP757	Downconverter;LO 10.3GHz;RF 14.0-14.5GHz;IF 3.7-4.2GHz;Isol 27dB;CL 5.5dB;Noise Fig 5.5dB
41▼	WJM70C	74	15		MP757a	Upconverter;LO 7.25 or 7.5GHz;Input 3.7-4.2GHz;Output 10.95-11.7GHz;Isol 22dB;CL 5.5dB
42▼	WJM75C	74	16		MP757a	Downconverter;LO 7.25 or 7.5GHz;RF 10.95-11.7GHz;IF 3.7-4.2GHz;Isol 22dB;CL 5.8dB
43▼	4046BDC	75	48	Z264	MP178b	CMOS Micropower PLL;Vs 15V;Is 600uA;Freq 2.3MHz†;ΔVi 700mV†;Linearity 1%Δ
44▼	4046BDM	75	5C	Z264	MP178b	CMOS Micropower PLL;Vs 15V;Is 600uA;Freq 2.3MHz†;ΔVi 700mV†;Linearity 1%Δ
45▼	4046BFC	75	48	Z264	FP19	CMOS Micropower PLL;Vs 15V;Is 600uA;Freq 2.3MHz†;ΔVi 700mV†;Linearity 1%Δ
46▼	4046BFM	75	5C	Z264	FP19	CMOS Micropower PLL;Vs 15V;Is 600uA;Freq 2.3MHz†;ΔVi 700mV†;Linearity 1%Δ
47▼	4046BPC	75	48	Z264	MP605a	CMOS Micropower PLL;Vs 15V;Is 600uA;Freq 2.3MHz†;ΔVi 700mV†;Linearity 1%Δ
48▼	4046BPM	75	5C	Z264	MP605a	CMOS Micropower PLL;Vs 15V;Is 600uA;Freq 2.3MHz†;ΔVi 700mV†;Linearity 1%Δ
49	CA758E	75	48	Z319	Δ001AC	RC Phase-Lock-Loop Stereo Decoder;VS 12V;Cur 35mAΔ;Ri 35kΩ;Ro 1.3kΩ;THD .4%.
50	CD4046AD	75	5C	Z264	Δ001AD	COS/MOS Micropower Phase-Locked Loop;Pd 200mW;Freq 500kHz;Ri 1.0TΩ;Vo 10Vp-p.
51	CD4046AE	75	48	Z264	Δ001AB	COS/MOS Micropower Phase-Locked Loop;Pd 200mW;Freq 500kHz;Ri 1.0TΩ;Vo 10Vp-p.
52	CD4046AK	75	5C	Z264	Δ004AF	COS/MOS Micropower Phase-Locked Loop;Pd 200mW;Freq 500kHz;Ri 1.0TΩ;Vo 10Vp-p.
53▼	CD4046BCJ	75	48	Z264	MP178a	Micropower PLL;Vs 3.0 to 15VDC;ViL 4.0Δ;ViH 11*;VoL .05Δ;VoH 14.9*;Pd 2.4mW†
54▼	CD4046BCN	75	48	Z264	MP605b	Micropower PLL;Vs 3.0 to 15VDC;ViL 4.0Δ;ViH 11*;VoL .05Δ;VoH 14.9*;Pd 2.4mW†
55▼	CD4046BMJ	75	5C	Z264	MP178a	Micropower PLL;Vs 3.0 to 15VDC;ViL 4.0Δ;ViH 11*;VoL .05Δ;VoH 14.9*;Pd 2.4mW†
56♦	CD4046BMW	75	5C	Z264	FP58	Micropower PLL;Vs 3.0 to 15VDC;ViL 4.0Δ;ViH 11*;VoL .05Δ;VoH 14.9*;Pd 2.4mW†
57	HA1-2820	75	5C	Z286	MP447	Max Freq 5.0MHz;VSS 12V;Pd 300mWΔ;Ri 100kΩ;Ro 10MΩ;Io 10mAΔ.
58	HA1-2825	75	07	Z286	MP447	Max Freq 5.0MHz;VSS 12V;Pd 300mWΔ;Ri 100kΩ;Ro 10MΩ;Io 10mAΔ.
59▼#	HEF4046BD	75	48	Z264	MP740	Vs 15VDC;Is 10mA†;Freq 1.5MHzΔ;Vin Phase Comp 700mV;Vz 7.5V
60▼#	HEF4046BP	75	48	Z264	MP104c	Vs 15VDC;Is 10mA†;Freq 1.5MHzΔ;Vin Phase Comp 700mV;Vz 7.5V
61#	LA3350	75	27	Z641	MP104	PLL;VCC 8.0V To 12V;ICC 16mA†;Separation 42dB†;Ri 15kΩ*;Vi 200-300mV
62	LM565CH	75	07	Z177	CN17j	Phase locked loops;Pd 300mW;Vs 12V;Freq 500kHz;Output Imp. 5.0kΩ;THD 1.5%†.
63	LM565CN	75	07	Z177	MP39n	Phase Locked loops; Pd 300mW;Vs 12V; Freq 500kHz; Output Imp. 5.0kΩ; THD 1.5%†.
64	LM565H	75	5C	Z177	CN17j	Phase locked loops; P300mW;Vs 12V; Freq 500kHz;Output Imp. 5.0kΩ;THD .75%†.
65	LM1800N	75	07	Z293	MP337c	FM Stereo Demodulator;VS 24V;Pd 575mW;Syn. Ri 20kΩ*.
66#	M51361P	75	17	Z535	MP14g	Phase Locked Loop;Freq 500kHz;ΔVS 24V;Pd 300mW;Ri 5.0kΩ;Vi 1.0Vpp.
67	MC14046AL	75	5C	Z453	MP104a	Phase-locked loop;Vco freq 1.4MHz†;Linearity 1%†;Dyn Pd 70uW†;Vdd 18 to -.5V.
68	MC14046BAL	75	5C	Z713	MP104a	CMOS Phase Locked Loop;VCO Freq 1.4MHz† At VDD 10Vdc,Pd 70uW† At VDD 5Vdc
69	MC14046BCL	75	48	Z713	MP104a	CMOS Phase Locked Loop;VCO Freq 1.4MHz† At VDD 10Vdc,Pd 70uW† At VDD 5Vdc
70	MC14046BCP	75	48	Z713	MP307	CMOS Phase Locked Loop;VCO Freq 1.4MHz† At VDD 10Vdc,Pd 70uW† At VDD 5Vdc
71	MC14046CL	75	48	Z453	MP104a	Phase-locked loop;Vco freq 1.4MHz†;Linearity 1%†;Dyn Pd 70uW†;Vdd 16 to -.5V.
72	MC14046CP	75	48	Z453	MP308a	Phase-locked loop;Vco freq 1.4MHz†;Linearity 1%†;Dyn Pd 70uW†;Vdd 16 to -.5V.
73	MC14568BAL	75	5C	Z796	MP104a	Combination Phase Comparator and Programmable Counter for Freq Synthesizer and PLL Appl
74	MC14568BCL	75	48	Z796	MP104a	Combination Phase Comparator and Programmable Counter for Freq Synthesizer and PLL Appl
75	MC14568BCP	75	48	Z796	MP308a	Combination Phase Comparator and Programmable Counter for Freq Synthesizer and PLL Appl
76	MC145104P	75	48	Z956	MP308a	PLL Frequency Synthesizer;Vs 4.5-12Vdc;Is 50mAΔ;VIH 3.5*;VIL 3.6Δ;Fin 4.0MHz*;10.24MHz Osc
77	MC145106P	75	48	Z957	MP☒	PLL Frequency Synthesizer;Vs 4.5-12Vdc;Is 50mAΔ;VIH 3.5*;VIL 3.6Δ;Fin 4.0MHz*;10.24MHz Osc
78	MC145107P	75	48	Z958	MP308a	PLL Frequency Synthesizer;Vs 4.5-12Vdc;Is 50mAΔ;VIH 3.5*;VIL 3.6Δ;Fin 4.0MHz*;10.24MHz Osc
79	MC145109P	75	48	Z959	MP308a	PLL Frequency Synthesizer;Vs 4.5-12Vdc;Is 50mAΔ;VIH 3.5*;VIL 3.6Δ;Fin 4.0MHz*;10.24MHz Osc
80	MC145112P	75	48	Z960	MP☒	PLL Frequency Synthesizer;Vs 4.5-12Vdc;Is 50mAΔ;VIH 3.5*;VIL 3.6Δ;Fin 4.0MHz*;10.24MHz Osc
81	MLM565CP	75	07	Z797	MP307	General Purpose PLL for up to 500kHz;TTL,DTL Compatible;Lock Range adj from ±1% To ±60%
82▼	MM55104N	75	37	Z977	MP605b	Frequency Synthesizer;Vs 5.0VDC;Is 3.0mA;ViL 0.4V;ViH 4.6V;VoL 0.5VΔ;VoH 4.5V*
83▼	MM55106N	75	37	Z977a	MP579	Frequency Synthesizer;Vs 5.0VDC;Is 3.0mA;ViL 0.4V;ViH 4.6V;VoL 0.5VΔ;VoH 4.5V*
84▼	MM55114N	75	37	Z977	MP605b	Frequency Synthesizer;Vs 8.0VDC;Is 8.0mA;ViL 0.4V;ViH 7.6V;VoL 0.5VΔ;VoH 7.5V*
85▼	MM55116N	75	37	Z977a	MP579	Frequency Synthesizer;Vs 8.0VDC;Is 8.0mA;Vil 0.4V;ViH 7.6V;VoL 0.5VΔ;VoH 7.5V*
86	NE560B	75	07	Z096	MP192	Phase Locked Loop;Freq 30MHz;Vi 1.0Vrms;Pd 300mW;Ri 2.0kΩ.
87▼	NE560N	75	07	Z096	MP178k	PLL System;Freq 0.1Hz* to 30MHz†;Vs 18V;Pd 300mWΔ;Vi 1.0Vrms;Ri 2.0kΩ†
88	NE561B	75	07	Z097	MP192	Phase Locked Loop;Freq 30MHz;Vi 1.0Vrms;Pd 300mW;Ri 2.0kΩ.
89▼	NE561N	75	07	Z097	MP178k	PLL System;Freq 0.1Hz* to 30MHz†;Vs 18V;Pd 300mWΔ;Vi 1.0Vrms;Ri 2.0kΩ†
90	NE562B	75	07	Z134	MP192b	Phase Locked Loop;Freq 30MHz;Vi 3.0Vrms;Pd 300mW;Ri 2.0kΩ.
91	NE562F	75	07	Z134	MP548	Phase Locked Loop;Freq 0.1Hz-30MHz;Vi 3Vrms;Pd 300mW;Ri 2.0kΩ.
92▼	NE562N	75	07	Z134	MP178k	PLL System;Freq 0.1Hz* to 30MHz†;Vs 18V;Pd 300mWΔ;Vi 3.0Vrms;Ri 2.0kΩ†
93	NE563B	75	07		MP437a	FM-IF Subsystem;Vs 15VΔ;IS 42mAΔ;Sens 15uV*;Gain 60db;Ri 135Ω.
94▼	NE564N	75	07	Z1016	MP178k	Phase Locked Loop;Freq 50MHz†;Vs 5.0V;Pd 400mWΔ;Linearity 3.0%†;S/N Ratio 40dB†
95	NE565A	75	07	Z135	MP153	Phase Locked Loop;Freq 500kHz;ΔVs 24V;Pd 300mW;Ri 5.0kΩ;Vi 1.0Vpp.
96▼	NE565F	75	07	Z135	MP319k	Phase Locked Loop;Freq 500kHz†;Vs ±6.0V;Pd 300mWΔ;Vi 3.0Vp-p;Ri 10kΩ†
97	NE565K	75	07	Z135	CN10h	Phase Locked Loop;Freq 500kHz;ΔVs 24V;Pd 300mW;Ri 5.0kΩ;Vi 1.0Vpp.
98▼	NE565N	75	07	Z135	MP153h	Phase Locked Loop;Freq 500kHz†;Vs ±6.0V;Pd 300mWΔ;Vi 3.0Vp-p;Ri 10kΩ†
99▼	NE575N	75		Z1018		PLL Frequency Synthesizer;ΔVs 8.0 to 16V;Max VCO Input Freq 40MHz,Ref 10.24MHz;lin 1.0uAΔ
100	PTC715-RT	75	48	Z607	MP178h	Color Subcarrier Regenerator;ICC 40mA max;Pd 600mW max.
101▼	SCL4046BC	75	5C	Z264	MP737	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 3.8MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
102▼	SCL4046BD	75	5C	Z264	MP737a	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 3.8MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
103▼	SCL4046BE	75	48	Z264	MP737b	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 3.8MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
104▼	SCL4046BF	75	5C	Z264	FP59	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 3.8MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
105▼	SCL4046BH	75	5C	Z264	CH☒	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 3.8MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
106▼	SCL4446BC	75	5C	Z264	MP737	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 5.4MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
107▼	SCL4446BD	75	5C	Z264	MP737a	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 5.4MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
108▼	SCL4446BE	75	48	Z264	MP737b	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 5.4MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
109▼	SCL4446BF	75	5C	Z264	FP59	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 5.4MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ
110▼	SCL4446BH	75	5C	Z264	CH☒	Vs 3.0-15VDC;Is 20uAΔ;Pd 2.4mW;Freq 5.4MHz;Linearity 1.0%;Comparator Vin 1.4VΔ;Rin 1.0TΩ

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TEMP / CODE -+	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1	SE562B	75	5C	Z134	MP192b	Phase Locked Loop;Freq 0.1Hz-30MHz;Vi 3Vrms;Pd 300mW;Ri 2.0kΩ.
2	SE562F	75	5C	Z134	MP548	Phase Locked Loop;Freq 0.1Hz-30MHz;Vi 3Vrms;Pd 300mW;Ri 2.0kΩ.
3	SE565K	75	5C	Z135	CN10h	Phase Locked Loop;Freq 500kHz;ΔVs 24V;Pd 300mW;Ri 5.0kΩ;Vi 1.0Vpp.
4#	SL442DG	75	06	Z469	MP178g	SW Mode Power Supply Control Ckt;Phase Locked Loop Osc Freq 16.625kHz;Stability ±100Hz
5#	SL442DP	75	05	Z469	MP104c	SW Mode Power Supply Control Ckt;Phase Locked Loop Osc Freq 16.625kHz;Stability ±100Hz
6#	SL650B	75	5C	Z284a	MP280	Modulator;VS ±6.0V at 1.5mA;Freq 500kHz;Io ±2.0mA;VFO TC 20ppm/°C max.
7#	SL650C	75	5C	Z284a	MP280	Modulator;VS ±6.0V at 1.5mA;Freq 500kHz;Io ±2.0mA;VFO TC 20ppm/°C.
8#	SL651B	75	5C	Z284	MP280	Modulator;Vs ±6.0V at 1.5mA;Freq 500kHz;Io ±2.0mA;VFO TC 20ppm/°C max.
9#	SL651C	75	5C	Z284	MP280	Modulator;VS ±6.0V at 1.5mA;Freq 500kHz;Io ±2.0mA;VFO TC 20ppm/°C.
10#	SL652C	75	5C	Z784	MP437e	Modulator;Freq 500kMz;VS ±6.0V at 1.5mA;Io ±2.0mA;VFO TC ±20ppm/°C Typ
11	uA758B	75	07	Z319	MP437a	Stereo Demodulator;VT 12V;Pd 420mWΔ;THD .4%;Separation 45db;SCA Rej 70db.
12	uA758PC	75	48	Z319	MP177c	FM Stereo Multiplex Decoder;Pd 730mWΔ;VS 18VΔ;IS 35mAΔ.
13	uA780DC	75	5C	Z205	MP178b	Chroma Subcarrier Regenerator;Pd 730mW;IS 26mA†.
14	uA780PC	75	5C	Z205	MP177c	Chroma Subcarrier Regenerator;Pd 730mW;IS 26mA†.
15	XR215	75	07	Z362	MP343a	Freq .5Hz-35MHz;Vs 5V-26V;Pd 750mWΔ;Distortion .15%;Gv 80db;tr 20ns;tf 20ns.
16▼	XR2212CN	75	07	Z968	MP⍁	PLL Frequency Synthesizer;Vs 4.5-15VDC;Is 12mAΔ;Freq .01Hz-300kHz†;TC 20ppm/°C;Ceramic
17▼	XR2212CP	75	07	Z968	MP⍁	PLL Frequency Synthesizer;Vs 4.5-15VDC;Is 12mAΔ;Freq .01Hz-300kHz†;TC 20ppm/°C;Plastic
18▼	XR2212M	75	5C	Z968	MP⍁	PLL Frequency Synthesizer;Vs 4.5-15VDC;Is 10mAΔ;Freq .01Hz-300kHz†;TC 20ppm/°C;Ceramic
19▼	XR2212N	75	48	Z968	MP⍁	PLL Frequency Synthesizer;Vs 4.5-15VDC;Is 10mAΔ;Freq .01Hz-300kHz†;TC 20ppm/°C;Ceramic
20▼	XR2212P	75	48	Z968	MP⍁	PLL Frequency Synthesizer;Vs 4.5-15VDC;Is 10mAΔ;Freq .01Hz-300kHz†;TC 20ppm/°C;Plastic
21	881	76	07	Z337	MP369	LP,HP,BP;Freq 10kHzΔ;Q .50-50;foTC ±50ppm/°C;Outp Vos 200mVΔ;Ri 1.0MΩ.
22	883-1	76	05		MP563	Dial Tone Filter;VS ±12V;50dB Notch Attenuation;Gain At 10kHz 0dB;Ri 100kΩ
23	883-2	76	05		MP563a	Low Band Filter;VS ±12V;fco(Hi)941Hz;Gain At 941Hz 14.5dB;Ri 50kΩ
24	883-3	76	05		MP563b	High Band Filter;VS ±12V;fco(Lo)1209Hz;Gain At 1209Hz 14.5dB;Ri 50kΩ
25	883-4	76	05		MP564	Dual Limiter;VS ±12V;Input Threshold ±300mV;Vout 11Vp-p;Ri 4.3kΩ
26	883-6	76	05		MP369b	Band Pass Filter;Freq 697Hz;Q 18;fo Stability ±0.25%Δ;Vo 9V;Ri 30kΩ
27	883-7	76	05		MP369b	Band Pass Filter;Freq 770Hz;Q 18;fo Stability ±0.25%Δ;Vo 9V;Ri 30kΩ
28	883-8	76	05		MP369b	Band Pass Filter;Freq 852Hz;Q 18;fo Stability ±0.25%Δ;Vo 9V;Ri 30kΩ
29	883-9	76	05		MP369b	Band Pass Filter;Freq 941Hz;Q 18;fo Stability ±0.25%Δ;Vo 9V;Ri 30kΩ
30	883-12	76	05		MP369b	Band Pass Filter;Freq 1209Hz;Q 18;fo Stability ±0.25%Δ;Vo 9V;Ri 30kΩ
31	883-13	76	05		MP369b	Band Pass Filter;Freq 1336Hz;Q 18;fo Stability ±0.25%Δ;Vo 9V;Ri 30kΩ
32	883-14	76	05		MP369b	Band Pass Filter;Freq 1477Hz;Q 18;fo Stability ±0.25%Δ;Vo 9V;Ri 30kΩ
33	883-16	76	05		MP369b	Band Pass Filter;Freq 1633Hz;Q 18;fo Stability ±0.25%Δ;Vo 9V;Ri 30kΩ
34	ACF5001	76	07	Z596	MP566	Hybrid High Pass Active Filter-Cauer Type;Vs†15V;Lower fco 3600HZ;Dist-50dB,Noise4.0mV RMS
35	ACF6001	76	07	Z596a	MP566	Hybrid Low Pass Active Filter-Cauer Type;Vs±15V;Higher fco 4600HZ;Dist-5dB,Noise3.0mV RMS
36	ACF7032C	76	07	Z597b	CN35a	Active Filter;LP,HP,BP,BR;Vs±15V;Passband Gain 10Δ;Voltage Gain 86dB*;Max Q50;Ri300kΩ
37	ACF7092C	76	07	Z597	MP567	Active Filter;LP,HP,BP,BR;Vs±15V;Passband Gain 10Δ;Voltage Gain 86dB*;Max Q50;Ri300kΩ
38	ACF7096C	76	07	Z597a	MP486a	Active Filter;LP,HP,BP,BR;VS ±15V;Passband Gain 10Δ;Voltage Gain 86db*;Max Q50;Ri 300kΩ
39	ACF7170C	76	07	Z598	MP568	Low Pass D-3 Filter;VS±10V;Passband Freq0-3.0kHz;StopBand Atten 39db*From 4.5kHz To 10kHz
40	ACF7323C697	76	07	Z711	CN34a	Touch Tone Filter;Vs±12V;Freq697Hz;Freq Fo Tolerance±0.5%;Fo Tc±0.0075%/°C;Q 10 To 30
41	ACF7323C700	76	07	Z711	CN34a	Touch Tone Filter;Vs ±12V; Freq 700Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C; Q 10 To 30
42	ACF7323C770	76	07	Z711	CN34a	Touch Tone Filter;Vs±12V;Freq770Hz;Freq Fo TOLERANCE±0.5%:;Fo Tc±0.0075%/°C;Q 10 To 30
43	ACF7323C852	76	07	Z711	CN34a	Touch Tone Filter;Vs±12V;Freq852Hz;Freq Fo Tolerance±0.5%;Fo Tc±0.0075%/°C;Q 10 To 30
44	ACF7323C900	76	07	Z711	CN34a	Touch Tone Filter;Vs ±12V; Freq 900Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C; Q 10 To 30
45♦	ACF7323C941	76	07	Z711	CN34a	Touch TOONE Filter;Vs±12V;Freq941Hz;Freq Fo Tolerance±0.5%;Fo Tc±0.0075%/°C;Q 10 To 30
46	ACF7323C1100	76	07	Z711	CN34a	Touch Tone Filter;Vs ±12V; Freq 1100Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
47	ACF7323C1209	76	07	Z711	CN34a	Touch Tone Filter;Vs±12V;Freq1209Hz;Freq Fo Tolerance±0.5%;Fo Tc±0.0075%/°C;Q 10 To 30
48	ACF7323C1300	76	07	Z711	CN34a	Touch Tone Filter;Vs ±12V; Freq 1300Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
49	ACF7323C1336	76	07	Z711	CN34a	Touch Tone Filter;Vs±12V;Freq1336Hz;Freq Fo Tolerance±0.5%;Fo Tc±0.0075%/°C;Q 10 To 30
50	ACF7323C1477	76	07	Z711	CN34a	Touch Tone Filter;VS ±12V;Freq 1477Hz;Freq Fo Tolerance ±0.5%;Fo TC ±0.0075%/°C;Q 10 to 30
51	ACF7323C1500	76	07	Z711	CN34a	Touch Tone Filter;Vs ±12V; Freq 1500Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
52	ACF7323C1633	76	07	Z711	CN34a	Touch Tone Filter;VS ±12V;Freq 1633Hz;Freq Fo Tolerance ±0.5%;Fo TC ±0.0075%/°C;Q 10 to 30
53	ACF7323C1700	76	07	Z711	CN34a	Touch Tone Filter;Vs ±12V; Freq 1700Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
54	ACF7323C2600	76	07	Z711	CN34a	Touch Tone Filter;Vs ±12V; Freq 2600Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
55	ACF7363C697	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 697Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
56	ACF7363C700	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 700Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
57	ACF7363C770	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 770Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
58	ACF7363C852	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 852Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
59	ACF7363C900	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 900Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
60	ACF7363C941	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 941Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
61	ACF7363C1100	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 1100Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
62	ACF7363C1209	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 1209Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
63	ACF7363C1300	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 1300Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
64	ACF7363C1336	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 1336Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
65	ACF7363C1477	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 1477Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
66	ACF7363C1500	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 1500Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
67	ACF7363C1633	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 1633Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
68	ACF7363C1700	76	07	Z711a	MP603	Touch Tone Filter;Vs ±12V; Freq 1700Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
69	ACF7383C697	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 697Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
70	ACF7383C700	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 700Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
71	ACF7383C770	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 770Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
72	ACF7383C852	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 852Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
73	ACF7383C900	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 900Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
74	ACF7383C941	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 941Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
75	ACF7383C1100	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 1100Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
76	ACF7383C1209	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 1209Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
77	ACF7383C1300	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 1300Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
78	ACF7383C1336	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 1336Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
79	ACF7383C1477	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 1477Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
80	ACF7383C1500	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 1500Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
81	ACF7383C1633	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 1633Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
82	ACF7383C1700	76	07	Z711b	MP567	Touch Tone Filter;Vs ±12V; Freq 1700Hz, Freq fo Tolerance ±0.5%;fo Tc ±75ppm/°C;Q 10 To 30
83#	AN101	76	17		MP681	FM Noise Cancellers;Vcc 10V;Pd 340mW;Gv 0dB
84	ATF431	76	06	Z465	TO100	Active Filter-Gyrator;Vs ±5.0V to ±18V;Is 2.8mAΔ;Vo 20Vpp*;Gain Accuracy 2 ±0.2%
85	CH1252	76	07	Z571	MP557	Dual Channel 30dB FSK Transmit Filter.
86	CH1257	76	07	Z572	MP557	Dual Channel 60dB FSK Receive Filter.
87	CH1262#1	76		Z850b	MP557	Dual Chan FSK Trans;Use with CH1224;Vs ±12Vdc;BW 3dB 525HzΔ;Center Freq 1170Hz or 2125Hz
88	CH1267#1	76		Z850c	MP664	Dual Chan FSK Recv;Use with CH1223;Vs ±12Vdc;Pd 600mWΔ;BW 3dB 525HzΔ;2125Hz or 1170Hz
89	CH1290	76	07	Z337	MP581	LP,HP,BP Filter;Freq 200kHz;fo Stability 10m%/°C;Io 25mA;VS ± 15V,IS ±9.0mA
90	CH1295	76	06	Z851	MP664	Low Pass Filter;Vs±18Vmax;Passband 686-955Hz;Gain-0±0.5dB at 697Hz⍁;Ring 10dBm
91	CH1296	76	06	Z851	MP664	High Pass Filter;Vs±18Vmax;Passband 1191-1657Hz;Gain-0±0.5dB at 1209Hz⍁;Ring 10dBm
92▼	FLT-BP4B20KQ10	76	07			BP Filter;Freq. 20-20kHz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 10
93▼	FLT-BP4B20KQ5	76	07			BP Filter;Freq. 20-20kHz;Vs ±15V at 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 5
94▼	FLT-BP4B50Q10	76	07			BP Filter;Freq. .05-50Hz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 10
95▼	FLT-BP4B50Q5	76	07			BP Filter;Freq. .05-50Hz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 5
96▼	FLT-BP4B500Q10	76	07			BP Filter;Freq. .05-500Hz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 10
97▼	FLT-BP4B500Q5	76	07			BP Filter;Freq. .05-500Hz;Vs ±15V;Is 16mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth;Q 5
98▼	FLT-LP4B5K	76	07			LP Filter;Freq. 100-5kHz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth
99♦	FLT-LP4B50	76	07			LP Filter;Freq 1-50Hz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth
100▼	FLT-LP4B50K	76	07			LP Filter;Freq. 1k-50kHz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth
101▼	FLT-LP4B500	76	07			LP Filter;Freq. 10-500Hz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bttrwrth
102▼	FLT-LP4L5K	76	07			LP Filter;Freq 100-5kHz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bessel
103▼	FLT-LP4L50	76	07			LP Filter;Freq 1-50Hz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bessel
104▼	FLT-LP4L50K	76	07			LP Filter;Freq 1k-50kHz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bessel
105▼	FLT-LP4L500	76	07			LP Filter;Freq 10-500Hz;Vs ±15V;Is 22mA;Vi and Vo ±10V;Io ±2.0mA;4 Pole;Bessel
106♦	FLT-LP6B5K	76	07			LP Filter;Freq 100-5kHz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bttrwrth
107♦	FLT-LP6B50	76	07			LP Filter;Freq 1-50Hz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bttrwrth
108♦	FLT-LP6B50K	76	07			LP Filter;Freq 1k-50kHz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bttrwrth
109♦	FLT-LP6B500	76	07			LP Filter;Freq 10-500Hz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bttrwrth
110♦	FLT-LP6L5K	76	07			LP Filter;Freq 100-5kHz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bessel

11. MISCELLANEOUS

IN ORDER OF (1) USE (2) TYPE No.

LINE No.	[2] TYPE No.	[1] USE	TEMP -+	CODE	DRAWINGS CKT.	DRAWINGS OUT-LINE Δ=MO	GENERAL DESCRIPTION
1♦	FLT-LP6L50	76	07				LP Filter;Freq 1-50Hz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bessel
2♦	FLT-LP6L50K	76	07				LP Filter;Freq 1k-50kHz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bessel
3♦	FLT-LP6L500	76	07				LP Filter;Freq 10-500Hz;Vs ±15V;Is 28mA;Vi and Vo ±10V;Io ±2.0mA;6 Pole;Bessel
4▼	FLT-U2	76	07		Z987	MP557	LP,HP orBP Filter;Freq. .001Hz to 200kHz;Vs ±15V;Is 10mA;Vi ±12V;Vo ±10V;2 Pole Response
5▼#	LA2100	76	17		Z1015	MP104	FM Noise Canceller. Operates Set between FM Det and Stereo Demodulator
6	MI42080	76			Z775	MP648	Active Filter;LP,Freq 941HzΔ,Insertion Loss 3dBΔ;Vos±.025V
7	MI42081	76			Z775	MP648	Active Filter;HP,Freq 1633HzΔ,Insertion Loss 3dBΔ;Vos±.025V
8▼	SSM2040	76	07		Z983	MP☐	Voltage Controlled Filter Circuit;BP,LP,HP,Music Synthesis,etc;THD .1%;Vs ±15V;Is 7.0mAΔ
9#	TCA580	76	27		Z328	MP337e	Gyrator-Switch for Reel Replacement in Telephone Low-pass filter;Vf 25mVΔ;If 9.0uAΔ.

SYMBOLS AND CODES EXPLAINED IN INTERPRETER

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M 38510/
M38510/10101AAA	none	101E
M38510/10101AAB	none	101E
M38510/10101AAC	none	101E
M38510/10101ABA	none	101E
M38510/10101ABB	none	101E
M38510/10101ABC	none	101E
M38510/10101ACA	none	101E
M38510/10101ACB	none	101E
M38510/10101ACC	none	101E
M38510/10101ADA	none	101E
M38510/10101ADB	none	101E
M38510/10101ADC	none	101E
M38510/10101AGA	none	101E
M38510/10101AGB	none	101E
M38510/10101AGC	none	101E
M38510/10101AHA	none	101E
M38510/10101AHB	none	101E
M38510/10101AHC	none	101E
M38510/10101APA	none	101E
M38510/10101APB	none	101E
M38510/10101APC	none	101E
M38510/10101BAA	none	101E
M38510/10101BAB	none	101E
M38510/10101BAC	none	101E
M38510/10101BBA	none	101E
M38510/10101BBB	none	101E
M38510/10101BBC	none	101E
M38510/10101BCA	FSC	101E
M38510/10101BCB	FSC	101E
M38510/10101BCC	RTN	101E ∅
M38510/10101BDA	none	101E
M38510/10101BDB	none	101E
M38510/10101BDC	none	101E
M38510/10101BGA	AMV FSC	101E
M38510/10101BGB	FSC	101E
M38510/10101BGC	AMV FSC INL NSC RTN	101E
M38510/10101BHA	FSC	101E
M38510/10101BHB	FSC	101E
M38510/10101BHC	FSC NSC	101E
M38510/10101BPA	none	101E
M38510/10101BPB	none	101E
M38510/10101BPC	RTN	101E ∅
M38510/10101CAA	none	101E
M38510/10101CAB	none	101E
M38510/10101CAC	none	101E
M38510/10101CBA	none	101E
M38510/10101CBB	none	101E
M38510/10101CBC	none	101E
M38510/10101CCA	FSC	101E
M38510/10101CCB	FSC	101E
M38510/10101CCC	RTN	101E ∅
M38510/10101CDA	none	101E
M38510/10101CDB	none	101E
M38510/10101CDC	none	101E
M38510/10101CGA	AMV FSC	101E
M38510/10101CGB	FSC	101E
M38510/10101CGC	AMV FSC INL NSC RTN	101E
M38510/10101CHA	FSC	101E
M38510/10101CHB	FSC	101E
M38510/10101CHC	FSC NSC	101E
M38510/10101CPA	none	101E
M38510/10101CPB	none	101E
M38510/10101CPC	RTN	101E ∅
M38510/10102AAA	none	101E ∅
M38510/10102AAB	none	101E
M38510/10102AAC	none	101E ∅
M38510/10102ABA	none	101E
M38510/10102ABB	none	101E
M38510/10102ABC	none	101E
M38510/10102ACA	none	101E
M38510/10102ACB	none	101E
M38510/10102ACC	none	101E ∅
M38510/10102ADA	none	101E
M38510/10102ADB	none	101E
M38510/10102ADC	none	101E
M38510/10102AIA	none	101E
M38510/10102AIB	none	101E
M38510/10102AIC	none	101E
M38510/10102BAA	FSC	101E
M38510/10102BAB	FSC	101E
M38510/10102BAC	FSC	101E
M38510/10102BBA	none	101E
M38510/10102BBB	none	101E
M38510/10102BBC	none	101E
M38510/10102BCA	FSC	101E
M38510/10102BCB	FSC	101E
M38510/10102BCC	none	101E
M38510/10102BDA	none	101E
M38510/10102BDB	none	101E
M38510/10102BDC	none	101E
M38510/10102BIA	FSC	101E
M38510/10102BIB	FSC	101E ∅
M38510/10102BIC	FSC	101E
M38510/10102CAA	FSC	101E
M38510/10102CAB	FSC	101E
M38510/10102CAC	FSC	101E
M38510/10102CBA	none	101E
M38510/10102CBB	none	101E
M38510/10102CBC	none	101E
M38510/10102CCA	FSC	101E
M38510/10102CCB	FSC	101E
M38510/10102CCC	none	101E
M38510/10102CDA	none	101E
M38510/10102CDB	none	101E
M38510/10102CDC	none	101E
M38510/10102CIA	FSC	101E
M38510/10102CIB	FSC	101E ∅
M38510/10102CIC	FSC	101E
M38510/10103ACA	NSC	101E ∅
M38510/10103ACB	NSC	101E ∅
M38510/10103ACC	NSC	101E ∅
M38510/10103AGA	NSC	101E ∅
M38510/10103AGB	none	101E
M38510/10103AGC	NSC	101E ∅
M38510/10103AHA	NSC	101E ∅
M38510/10103AHB	none	101E
M38510/10103AHC	NSC	101E ∅
M38510/10103APA	none	101E
M38510/10103APB	none	101E
M38510/10103APC	none	101E
M38510/10103BCA	FSC	101E
M38510/10103BCB	FSC	101E
M38510/10103BCC	NSC	101E ∅
M38510/10103BGA	AMV FSC	101E
M38510/10103BGB	FSC	101E
M38510/10103BGC	AMV FSC NSC	101E
M38510/10103BHA	FSC	101E
M38510/10103BHB	FSC	101E
M38510/10103BHC	FSC NSC	101E
M38510/10103BPA	none	101E
M38510/10103BPB	none	101E
M38510/10103BPC	none	101E
M38510/10103CCA	FSC	101E
M38510/10103CCB	FSC	101E
M38510/10103CCC	NSC	101E ∅
M38510/10103CGA	AMV FSC	101E
M38510/10103CGB	FSC	101E
M38510/10103CGC	AMV FSC NSC	101E
M38510/10103CHA	FSC	101E
M38510/10103CHB	FSC	101E
M38510/10103CHC	FSC NSC	101E
M38510/10103CPA	none	101E
M38510/10103CPB	none	101E
M38510/10103CPC	none	101E
M38510/10104ACA	NSC	101E ∅
M38510/10104ACB	NSC	101E ∅
M38510/10104ACC	NSC	101E ∅
M38510/10104AGA	NSC	101E ∅
M38510/10104AGB	none	101E
M38510/10104AGC	NSC	101E ∅
M38510/10104AHA	NSC	101E ∅
M38510/10104AHB	none	101E
M38510/10104AHC	NSC	101E ∅
M38510/10104APA	none	101E
M38510/10104APB	none	101E
M38510/10104APC	none	101E
M38510/10104BCA	FSC	101E
M38510/10104BCB	FSC	101E
M38510/10104BCC	none	101E
M38510/10104BGA	FSC	101E
M38510/10104BGB	FSC	101E
M38510/10104BGC	FSC NSC	101E
M38510/10104BHA	FSC	101E
M38510/10104BHB	FSC	101E
M38510/10104BHC	FSC NSC	101E
M38510/10104BPA	none	101E
M38510/10104BPB	none	101E
M38510/10104BPC	none	101E
M38510/10104CCA	FSC	101E
M38510/10104CCB	FSC	101E
M38510/10104CCC	none	101E
M38510/10104CGA	FSC	101E
M38510/10104CGB	FSC	101E
M38510/10104CGC	FSC NSC	101E
M38510/10104CHA	FSC	101E
M38510/10104CHB	FSC	101E
M38510/10104CHC	FSC NSC	101E
M38510/10104CPA	none	101E
M38510/10104CPB	none	101E
M38510/10104CPC	none	101E
M38510/10105AEA	none	101E
M38510/10105AEB	none	101E
M38510/10105AEC	none	101E
M38510/10105AFA	none	101E
M38510/10105AFB	none	101E
M38510/10105AFC	none	101E
M38510/10105BEA	none	101E
M38510/10105BEB	none	101E
M38510/10105BEC	none	101E
M38510/10105BFA	none	101E
M38510/10105BFB	none	101E
M38510/10105BFC	none	101E
M38510/10105CEA	none	101E
M38510/10105CEB	none	101E
M38510/10105CEC	none	101E
M38510/10105CFA	none	101E
M38510/10105CFB	none	101E
M38510/10105CFC	none	101E
M38510/10106AEA	none	101E
M38510/10106AEB	none	101E
M38510/10106AEC	none	101E
M38510/10106AFA	none	101E
M38510/10106AFB	none	101E
M38510/10106AFC	none	101E
M38510/10106BEA	none	101E
M38510/10106BEB	none	101E
M38510/10106BEC	none	101E
M38510/10106BFA	none	101E
M38510/10106BFB	none	101E
M38510/10106BFC	none	101E
M38510/10106CEA	none	101E
M38510/10106CEB	none	101E
M38510/10106CEC	none	101E
M38510/10106CFA	none	101E
M38510/10106CFB	none	101E
M38510/10106CFC	none	101E
M38510/10107ACA	none	101E
M38510/10107ACB	none	101E
M38510/10107ACC	none	101E
M38510/10107AGA	none	101E
M38510/10107AGB	none	101E
M38510/10107AGC	none	101E
M38510/10107AHA	none	101E
M38510/10107AHB	none	101E
M38510/10107AHC	none	101E
M38510/10107APA	none	101E
M38510/10107APB	none	101E
M38510/10107APC	none	101E
M38510/10107BCA	none	101E
M38510/10107BCB	none	101E
M38510/10107BCC	none	101E
M38510/10107BGA	NSC	101E ∅
M38510/10107BGB	none	101E
M38510/10107BGC	NSC	101E ∅
M38510/10107BHA	none	101E
M38510/10107BHB	none	101E
M38510/10107BHC	none	101E
M38510/10107BPA	none	101E
M38510/10107BPB	none	101E
M38510/10107BPC	none	101E
M38510/10107CCA	none	101E
M38510/10107CCB	none	101E
M38510/10107CCC	none	101E
M38510/10107CGA	NSC	101E ∅
M38510/10107CGB	none	101E
M38510/10107CGC	NSC	101E ∅
M38510/10107CHA	none	101E
M38510/10107CHB	none	101E
M38510/10107CHC	none	101E
M38510/10107CPA	none	101E
M38510/10107CPB	none	101E
M38510/10107CPC	none	101E
M38510/10201AAA	none	102A USAF
M38510/10201AAB	none	102A USAF
M38510/10201AAC	none	102A USAF
M38510/10201ABA	none	102A USAF
M38510/10201ABB	none	102A USAF
M38510/10201ABC	none	102A USAF
M38510/10201ACA	none	102A USAF
M38510/10201ACB	none	102A USAF
M38510/10201ACC	none	102A USAF
M38510/10201ADA	none	102A USAF
M38510/10201ADB	none	102A USAF
M38510/10201ADC	none	102A USAF
M38510/10201AHA	none	102A USAF
M38510/10201AHB	none	102A USAF
M38510/10201AHC	none	102A USAF
M38510/10201AIA	none	102A USAF

∅ — QPL-38510 Part II (See Military Documents)
All Others Listed in Part I

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/10201AIB	none	102A USAF
M38510/10201AIC	none	102A USAF
M38510/10201BAA	none	102A USAF
M38510/10201BAB	none	102A USAF
M38510/10201BAC	none	102A USAF
M38510/10201BBA	none	102A USAF
M38510/10201BBB	none	102A USAF
M38510/10201BBC	none	102A USAF
M38510/10201BCA	FSC	102A USAF
M38510/10201BCB	FSC	102A USAF
M38510/10201BCC	none	102A USAF
M38510/10201BDA	none	102A USAF
M38510/10201BDB	none	102A USAF
M38510/10201BDC	none	102A USAF
M38510/10201BHA	none	102A USAF
M38510/10201BHB	none	102A USAF
M38510/10201BHC	none	102A USAF
M38510/10201BIA	FSC	102A USAF
M38510/10201BIB	FSC	102A USAF
M38510/10201BIC	FSC	102A USAF
M38510/10201CAA	none	102A USAF
M38510/10201CAB	none	102A USAF
M38510/10201CAC	none	102A USAF
M38510/10201CBA	none	102A USAF
M38510/10201CBB	none	102A USAF
M38510/10201CBC	none	102A USAF
M38510/10201CCA	FSC	102A USAF
M38510/10201CCB	FSC	102A USAF
M38510/10201CCC	none	102A USAF
M38510/10201CDA	none	102A USAF
M38510/10201CDB	none	102A USAF
M38510/10201CDC	none	102A USAF
M38510/10201CHA	none	102A USAF
M38510/10201CHB	none	102A USAF
M38510/10201CHC	none	102A USAF
M38510/10201CIA	FSC	102A USAF
M38510/10201CIB	none	102A USAF
M38510/10201CIC	FSC	102A USAF
M38510/10301ACA	none	103B AMEND 1 USAF
M38510/10301ACB	none	103B AMEND 1 USAF
M38510/10301ACC	none	103B AMEND 1 USAF
M38510/10301AGA	none	103B AMEND 1 USAF
M38510/10301AGB	none	103B AMEND 1 USAF
M38510/10301AGC	none	103B AMEND 1 USAF
M38510/10301AHA	none	103B AMEND 1 USAF
M38510/10301AHB	none	103B AMEND 1 USAF
M38510/10301AHC	none	103B AMEND 1 USAF
M38510/10301BCA	FSC	103B AMEND 1 USAF
M38510/10301BCB	FSC	103B AMEND 1 USAF
M38510/10301BCC	none	103B AMEND 1 USAF
M38510/10301BGA	FSC	103B AMEND 1 USAF
M38510/10301BGB	FSC	103B AMEND 1 USAF
M38510/10301BGC	FSC	103B AMEND 1 USAF
M38510/10301BHA	FSC	103B AMEND 1 USAF
M38510/10301BHB	FSC	103B AMEND 1 USAF
M38510/10301BHC	FSC	103B AMEND 1 USAF
M38510/10301CCA	FSC	103B AMEND 1 USAF
M38510/10301CCB	FSC	103B AMEND 1 USAF
M38510/10301CCC	none	103B AMEND 1 USAF
M38510/10301CGA	FSC	103B AMEND 1 USAF
M38510/10301CGB	FSC	103B AMEND 1 USAF
M38510/10301CGC	FSC	103B AMEND 1 USAF
M38510/10301CHA	FSC	103B AMEND 1 USAF
M38510/10301CHB	FSC	103B AMEND 1 USAF
M38510/10301CHC	FSC	103B AMEND 1 USAF
M38510/10302ACA	none	103B AMEND 1 USAF
M38510/10302ACB	none	103B AMEND 1 USAF
M38510/10302ACC	none	103B AMEND 1 USAF
M38510/10302AHA	none	103B AMEND 1 USAF
M38510/10302AHB	none	103B AMEND 1 USAF
M38510/10302AHC	none	103B AMEND 1 USAF
M38510/10302AIA	none	103B AMEND 1 USAF
M38510/10302AIB	none	103B AMEND 1 USAF
M38510/10302AIC	none	103B AMEND 1 USAF
M38510/10302BCA	FSC	103B AMEND 1 USAF
M38510/10302BCB	FSC	103B AMEND 1 USAF
M38510/10302BCC	none	103B AMEND 1 USAF
M38510/10302BHA	FSC	103B AMEND 1 USAF
M38510/10302BHB	FSC	103B AMEND 1 USAF
M38510/10302BHC	FSC	103B AMEND 1 USAF
M38510/10302BIA	FSC	103B AMEND 1 USAF
M38510/10302BIB	FSC	103B AMEND 1 USAF
M38510/10302BIC	FSC	103B AMEND 1 USAF
M38510/10302CCA	FSC	103B AMEND 1 USAF
M38510/10302CCB	FSC	103B AMEND 1 USAF
M38510/10302CCC	none	103B AMEND 1 USAF
M38510/10302CHA	FSC	103B AMEND 1 USAF
M38510/10302CHB	FSC	103B AMEND 1 USAF
M38510/10302CHC	FSC	103B AMEND 1 USAF
M38510/10302CIA	FSC	103B AMEND 1 USAF
M38510/10302CIB	FSC	103B AMEND 1 USAF
M38510/10302CIC	FSC	103B AMEND 1 USAF
M38510/10303AAA	none	103B AMEND 1 USAF
M38510/10303AAB	none	103B AMEND 1 USAF
M38510/10303AAC	none	103B AMEND 1 USAF
M38510/10303AGA	none	103B AMEND 1 USAF
M38510/10303AGB	none	103B AMEND 1 USAF
M38510/10303AGC	none	103B AMEND 1 USAF
M38510/10303BAA	none	103B AMEND 1 USAF
M38510/10303BAB	none	103B AMEND 1 USAF
M38510/10303BAC	none	103B AMEND 1 USAF
M38510/10303BGA	none	103B AMEND 1 USAF
M38510/10303BGB	none	103B AMEND 1 USAF
M38510/10303BGC	none	103B AMEND 1 USAF
M38510/10303CAA	none	103B AMEND 1 USAF
M38510/10303CAB	none	103B AMEND 1 USAF
M38510/10303CAC	none	103B AMEND 1 USAF
M38510/10303CGA	none	103B AMEND 1 USAF
M38510/10303CGB	none	103B AMEND 1 USAF
M38510/10303CGC	none	103B AMEND 1 USAF
M38510/10304ACA	none	103B AMEND 1 USAF
M38510/10304ACB	none	103B AMEND 1 USAF
M38510/10304ACC	none	103B AMEND 1 USAF
M38510/10304AGA	none	103B AMEND 1 USAF
M38510/10304AGB	none	103B AMEND 1 USAF
M38510/10304AGC	none	103B AMEND 1 USAF
M38510/10304AHA	none	103B AMEND 1 USAF
M38510/10304AHB	none	103B AMEND 1 USAF
M38510/10304AHC	none	103B AMEND 1 USAF
M38510/10304APA	none	103B AMEND 1 USAF
M38510/10304APB	none	103B AMEND 1 USAF
M38510/10304APC	none	103B AMEND 1 USAF
M38510/10304BCA	FSC NSC	103B Ø AMEND 1 USAF
M38510/10304BCB	AMV FSC	103B Ø AMEND 1 USAF
M38510/10304BCC	NSC	103B Ø AMEND 1 USAF
M38510/10304BGA	FSC NSC	103B Ø AMEND 1 USAF
M38510/10304BGB	FSC	103B Ø AMEND 1 USAF
M38510/10304BGC	AMV FSC NSC	103B Ø AMEND 1 USAF
M38510/10304BHA	FSC NSC	103B Ø AMEND 1 USAF
M38510/10304BHB	FSC	103B Ø AMEND 1 USAF
M38510/10304BHC	FSC NSC	103B Ø AMEND 1 USAF
M38510/10304BPA	none	103B AMEND 1 USAF
M38510/10304BPB	none	103B AMEND 1 USAF
M38510/10304BPC	none	103B AMEND 1 USAF
M38510/10304CCA	FSC NSC	103B Ø AMEND 1 USAF
M38510/10304CCB	AMV FSC	103B Ø AMEND 1 USAF
M38510/10304CCC	NSC	103B Ø AMEND 1 USAF
M38510/10304CGA	FSC NSC	103B Ø AMEND 1 USAF
M38510/10304CGB	FSC	103B Ø AMEND 1 USAF
M38510/10304CGC	AMV FSC NSC	103B Ø AMEND 1 USAF
M38510/10304CHA	FSC NSC	103B Ø AMEND 1 USAF
M38510/10304CHB	FSC	103B Ø AMEND 1 USAF
M38510/10304CHC	FSC NSC	103B Ø AMEND 1 USAF
M38510/10304CPA	none	103B AMEND 1 USAF
M38510/10304CPB	none	103B AMEND 1 USAF
M38510/10304CPC	none	103B AMEND 1 USAF
M38510/10305AEA	none	103B AMEND 1 USAF
M38510/10305AEB	none	103B AMEND 1 USAF
M38510/10305AEC	none	103B AMEND 1 USAF
M38510/10305AFA	none	103B AMEND 1 USAF
M38510/10305AFB	none	103B AMEND 1 USAF
M38510/10305AFC	none	103B AMEND 1 USAF
M38510/10305BEA	none	103B USAF
M38510/10305BEB	none	103B AMEND 1 USAF

Ø — QPL-38510 Part II (See Military Documents)
All Others Listed in Part I

12. TYPES WITH U.S. MILITARY SPECIFICATIONS

IN TYPE NUMBER SEQUENCE

TYPE No.	MFRS	MIL-M-38510/
M38510/10305BEC	none	103B AMEND 1 USAF
M38510/10305BFA	none	103B AMEND 1 USAF
M38510/10305BFB	none	103B AMEND 1 USAF
M38510/10305BFC	none	103B AMEND 1 USAF
M38510/10305CEA	none	103B AMEND 1 USAF
M38510/10305CEB	none	103B AMEND 1 USAF
M38510/10305CEC	none	103B AMEND 1 USAF
M38510/10305CFA	none	103B AMEND 1 USAF
M38510/10305CFB	none	103B AMEND 1 USAF
M38510/10305CFC	none	103B AMEND 1 USAF
M38510/10601ACA	none	106A
M38510/10601ACB	none	106A
M38510/10601ACC	none	106A
M38510/10601AGA	none	106A
M38510/10601AGB	none	106A
M38510/10601AGC	none	106A
M38510/10601AHA	none	106A
M38510/10601AHB	none	106A
M38510/10601AHC	none	106A
M38510/10601BCA	none	106A
M38510/10601BCB	none	106A
M38510/10601BCC	none	106A
M38510/10601BGA	none	106A
M38510/10601BGB	none	106A
M38510/10601BGC	none	106A
M38510/10601BHA	none	106A
M38510/10601BHB	none	106A
M38510/10601BHC	none	106A
M38510/10601CCA	none	106A
M38510/10601CCB	none	106A
M38510/10601CCC	none	106A
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M38510/10602BCB	none	106A
M38510/10602BCC	none	106A
M38510/10602BGA	none	106A
M38510/10602BGB	none	106A
M38510/10602BGC	none	106A
M38510/10602BHA	none	106A
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M38510/10602CCC	none	106A
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M38510/10602CGB	none	106A
M38510/10602CGC	none	106A
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M38510/10602CHC	none	106A
M38510/10603AEA	none	106A
M38510/10603AEB	none	106A
M38510/10603AEC	none	106A
M38510/10603AFA	none	106A
M38510/10603AFB	none	106A
M38510/10603AFC	none	106A
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M38510/10603BEB	none	106A
M38510/10603BEC	none	106A
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M38510/10603CEC	none	106A
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M38510/10701AXC	none	107A
M38510/10701AYA	none	107A
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M38510/10701AYC	none	107A
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M38510/10701BXB	none	107A
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M38510/10701BYC	none	107A
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M38510/10701CXC	none	107A
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M38510/10701CYB	none	107A
M38510/10701CYC	none	107A
M38510/10702AXA	none	107A
M38510/10702AXB	none	107A
M38510/10702AXC	none	107A
M38510/10702BXA	none	107A
M38510/10702BXB	none	107A
M38510/10702BXC	none	107A
M38510/10702CXA	none	107A
M38510/10702CXB	none	107A
M38510/10702CXC	none	107A
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M38510/10703AXB	none	107A
M38510/10703AXC	none	107A
M38510/10703BXA	none	107A
M38510/10703BXB	none	107A
M38510/10703BXC	none	107A
M38510/10703CXA	none	107A
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M38510/10703CXC	none	107A
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M38510/10704AXB	none	107A
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M38510/10704BXA	none	107A
M38510/10704BXB	none	107A
M38510/10704BXC	none	107A
M38510/10704CXA	none	107A
M38510/10704CXB	none	107A
M38510/10704CXC	none	107A
M38510/10705AXA	none	107A
M38510/10705AXB	none	107A
M38510/10705AXC	none	107A
M38510/10705BXA	none	107A
M38510/10705BXB	none	107A
M38510/10705BXC	none	107A
M38510/10705CXA	none	107A
M38510/10705CXB	none	107A
M38510/10705CXC	none	107A
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M38510/10708AYA	none	107A
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M38510/10708AYC	none	107A
M38510/10708BYA	FSC	107A
M38510/10708BYB	none	107A
M38510/10708BYC	FSC	107A
M38510/10708CYA	FSC	107A
M38510/10708CYB	none	107A
M38510/10708CYC	FSC	107A
M38510/10709AYA	none	107A
M38510/10709AYB	none	107A
M38510/10709AYC	none	107A
M38510/10709BYA	FSC	107A
M38510/10709BYB	none	107A
M38510/10709BYC	FSC	107A
M38510/10709CYA	FSC	107A
M38510/10709CYB	none	107A
M38510/10709CYC	FSC	107A
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M38510/10801AAC	none	108 USAF
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M38510/10801ACC	none	108 USAF
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M38510/10801ADC	none	108 USAF
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M38510/10801AMB	none	108 USAF
M38510/10801AMC	none	108 USAF
M38510/10801BAA	none	108 USAF
M38510/10801BAB	none	108 USAF
M38510/10801BAC	none	108 USAF
M38510/10801BCA	none	108 USAF
M38510/10801BCB	none	108 USAF
M38510/10801BCC	none	108 USAF
M38510/10801BDA	none	108 USAF
M38510/10801BDB	none	108 USAF
M38510/10801BDC	none	108 USAF
M38510/10801BMA	none	108 USAF
M38510/10801BMB	none	108 USAF
M38510/10801BMC	none	108 USAF
M38510/10801CAA	none	108 USAF
M38510/10801CAB	none	108 USAF
M38510/10801CAC	none	108 USAF
M38510/10801CCA	none	108 USAF
M38510/10801CCB	none	108 USAF
M38510/10801CCC	none	108 USAF
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M38510/10801CDB	none	108 USAF
M38510/10801CDC	none	108 USAF
M38510/10801CMA	none	108 USAF
M38510/10801CMB	none	108 USAF
M38510/10801CMC	none	108 USAF
M38510/10802AAA	none	108 USAF
M38510/10802AAB	none	108 USAF
M38510/10802AAC	none	108 USAF
M38510/10802ACA	none	108 USAF
M38510/10802ACB	none	108 USAF
M38510/10802ACC	none	108 USAF
M38510/10802ADA	none	108 USAF
M38510/10802ADB	none	108 USAF
M38510/10802ADC	none	108 USAF
M38510/10802BAA	none	108 USAF
M38510/10802BAB	none	108 USAF
M38510/10802BAC	none	108 USAF
M38510/10802BCA	FSC RCA	108 Ø USAF
M38510/10802BCB	FSC	108 Ø USAF
M38510/10802BCC	none	108 USAF
M38510/10802BDA	none	108 USAF
M38510/10802BDB	none	108 USAF
M38510/10802BDC	none	108 USAF
M38510/10802CAA	none	108 USAF
M38510/10802CAB	none	108 USAF
M38510/10802CAC	none	108 USAF
M38510/10802CCA	FSC RCA	108 Ø USAF
M38510/10802CCB	FSC	108 Ø USAF
M38510/10802CCC	none	108 USAF
M38510/10802CDA	none	108 USAF
M38510/10802CDB	none	108 USAF
M38510/10802CDC	none	108 USAF

Ø — QPL-38510 Part II (See Military Documents)
All Others Listed in Part I

MILITARY DOCUMENTS

Department of Defense Index of Specifications and Standards dated 1 July 1976. Supplement dated 1 November 1976.

Device Manufacturers Qualifications on Test Reference Letter.

MIL–M–0038510B (USAF) Military Specification General Specification for Microcircuits, dated 1 October 1973, Supplement 1B, dated 3 May 1976. Used in lieu of MIL–M–38510C, dated 1 March 1976, Supplement 1E, dated 9 August 1977.

QPL–38510–33 Qualified Products List (Part I) of Products Qualified Under Military Specification MIL–M–38510, dated 13 February 1978.
Qualified Products List (Part II) of Products Qualified Under Military Specification MIL–M–38510, dated 13 February 1978. These products are considered qualified Products. Therefore, manufacturers listed on QPL–38510 shall "JAN" mark and ship the specific part numbered devices for which they are listed, providing all required quality conformance inspections have been successfully completed. They have not been subjected to all the tests required for qualification under the latest effective issue of MIL–M–38510; however, the manufacturers have performed sufficient similar tests to indicate that the products have the potential of complying with the MIL–M–38510 requirements.

MIL–STD–883B Military Standard; Test Methods and Procedures for Microelectronics, dated 31 August 1977.

MIL–STD–1562; List of Standard Microcircuits dated 15 April 1977, Notice 2, dated 11 January 1978.

NOTE: The 3-letter suffix at the end of the type number represents device class (degree of quality assurance testing), case outline and lead material finish as shown below:

EXAMPLE: M38510/1010XXX

device class — case outline — lead material and finish

COMMERCIAL TYPE No.	MILITARY TYPE No.
710	M38510/10301.....
711	M38510/10302.....
723	M38510/10201.....
741	M38510/10101.....
747	M38510/10102.....
3018A	M38510/10801.....
3045	M38510/10802.....
LH2101A	M38510/10105.....
LH2108A	M38510/10106.....
LH2110	M38510/10603.....
LH2111	M38510/10305.....
LM101A	M38510/10103.....
LM102	M38510/10601.....
LM106	M38510/10303.....
LM108A	M38510/10104.....
LM109	M38510/10701.....
LM110	M38510/10602.....
LM111	M38510/10304.....
LM118	M38510/10107.....
LM140K-05	M38510/10706.....
LM140K-12	M38510/10707.....
LM140K-15	M38510/10708.....
LM140K-24	M38510/10709.....
LM141H-05	M38510/10702.....
LM141H-12	M38510/10703.....
LM141H-15	M38510/10704.....
LM141H-24	M38510/10705.....
LM723	M38510/10201.....

CIRCUIT DRAWING NUMBERING SIGNIFICANCE

Example: A 001 a

Prefix shows section in which technical data appears. — A

Serial assignment within section. — 001

Tabulated drawing — see suffix "a" on chart with drawing. — a

LETTER PREFIX	APPLIES TO TECHNICAL SECTION No.
A — OPERATIONAL AMPLIFIERS	— 3
B — DIFFERENTIAL AMPLIFIERS	— 4
C — AUDIO AMPLIFIERS	— 5
D — RF/IF AMPLIFIERS	— 6
E — WIDEBAND AMPLIFIERS	— 7
F — VOLTAGE REGULATORS	— 8
G — VOLTAGE COMPARATORS	— 9
Z — MISCELLANEOUS	— 10 & 11

NOTES

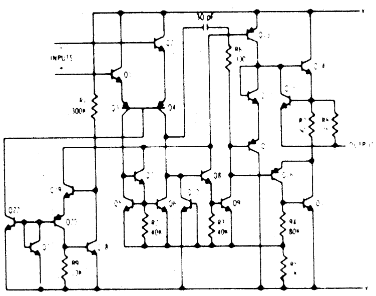
These outline drawings are intended as a guide for the user. They should not be used for construction purposes without first checking with the appropriate manufacturer.

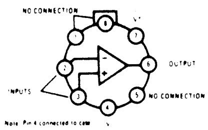
These drawings are referenced in the Technical Sections of this D.A.T.A.BOOK in accordance with information supplied by the manufacturers.

The DO and TO drawings have been reproduced from JEDEC Registration Data Files with the permission of the National Electrical Manufacturer's Association — Electronic Industries Association. JEDEC designations are assigned only to outlines submitted by the JC-11 Committee on Mechanical Standardization. The procedure of assigning and announcing the JEDEC designation constitutes registration.

All drawings have circular symmetry unless otherwise indicated.

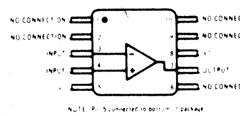
A001

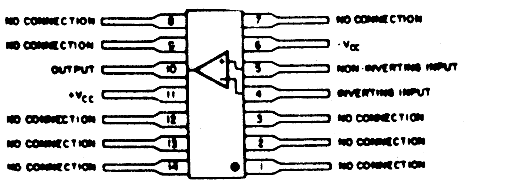




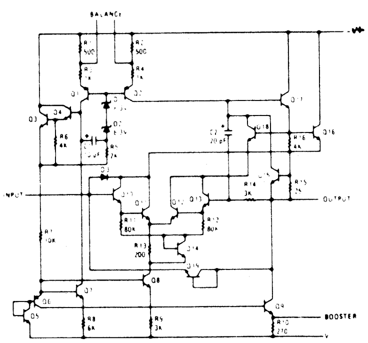
	I_{N-}	I_N	V	OUT	V-
TO91 & CN	2	3	7	6	4
TO99 & FP	3	4	8	7	5
MP	CONSULT MFR-NO INFO				

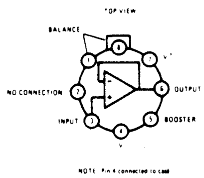
Flat Pack



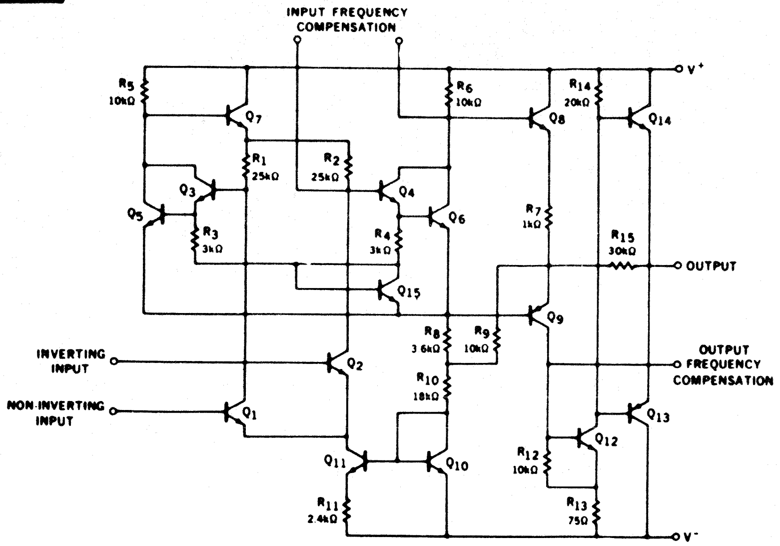


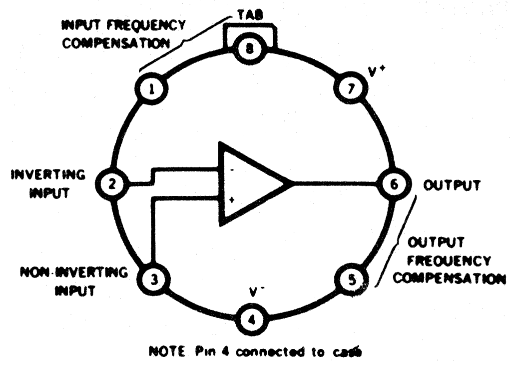
A002





A003

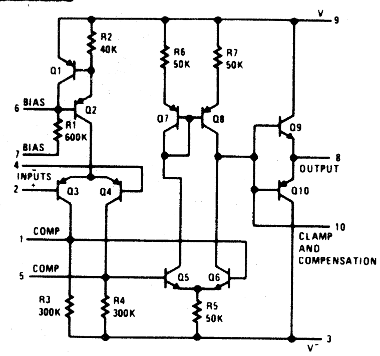




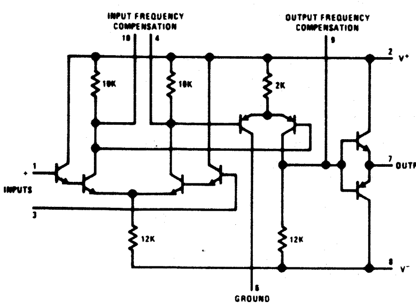
NOTE Pin 4 connected to case

	CKT NO.	IN FREQ COMP 1	IN FREQ COMP 2	IN-	IN+	V+	OUT	OUT FREQ COMP	V-
TO99 CN and TO76	1	1	8	2	3	7	6	5	4
TO91 and FP	1	2	9	3	4	8	7	6	5
MP	1	3	12	4	5	11	10	9	6
CN	1	4	3	5	6	14	2	1	7
	2	10	11	8	9	14	12	13	7
FC		4	14	5	6	13	12	11	7

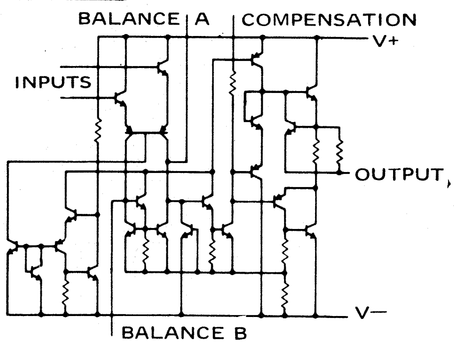
A004



A005

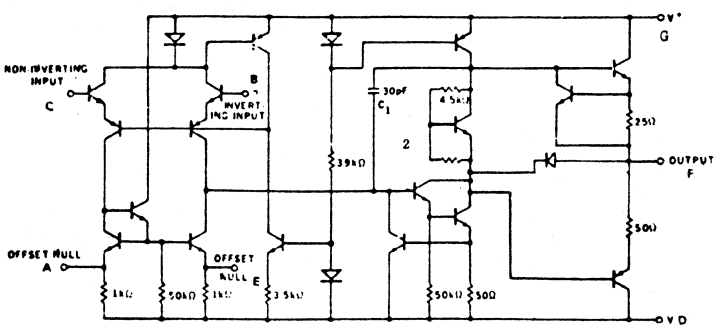


A012



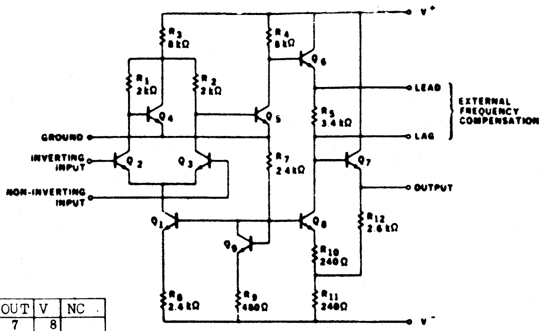
	PKG	BAL A	BAL B	COMP	INPUTS −	INPUTS +	V +	V −	OUTPUT
A012	MP48 TO99	1	5	8	2	3	7	4	6
	TO91	2	6	9	3	4	8	5	7
	CN	1	5		2	3	7	4	6
	FP TO116	3	9	12	4	5	11	6	10

A014



	CKT NO	PKG	A	B	C	D	E	F	G
A014	1	CN	1	2	3	4	5	6	7
	1	FP	2	3	4	5	6	7	8
	1	MP	3	4	5	6	9	10	11
A014a	1	CN		2	3	4		1	8
	2	CN		6	5			7	
A014b	1	MP	3	5	6	7	4	2	14
	2		11	9	8		10	12	
A014c	1	MP		2	3	4		1	8
	2			6	5			7	
A014d	1			5	6	7		2	14
	2			9	8			12	

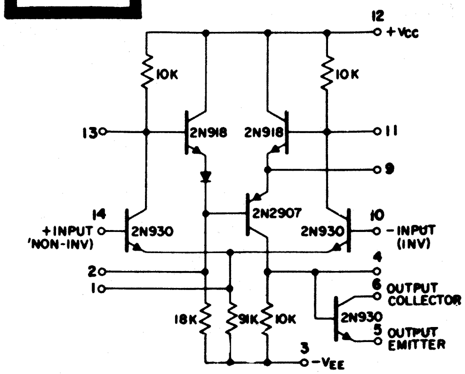
A015



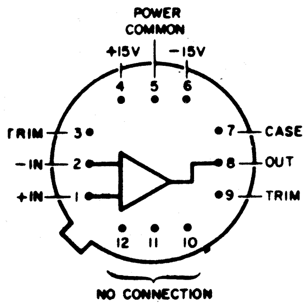
	COM	INV IN	NON INV IN	V-	LAG	LEAD	OUT	V	NC
TO77 and TO99	1	2	3	4*	6	5	7	8	
FP	2	3	4	5	7	6	8	10	1,9
TO116	3	4	5	6	10	9	11	13	

* CONNECTED TO CASE

A028

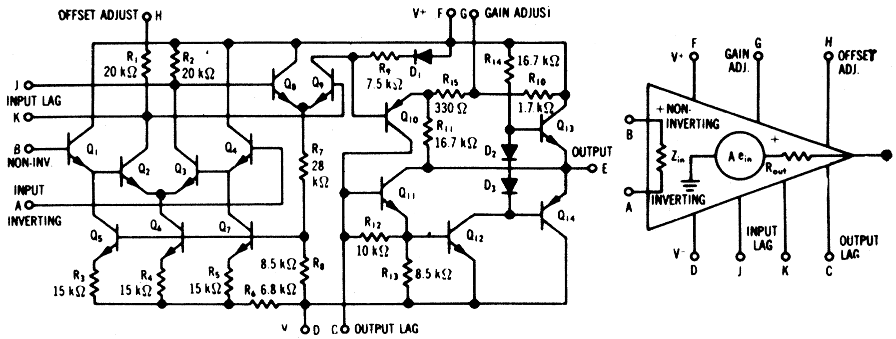


A031

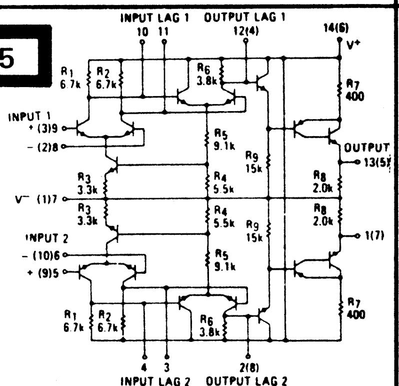


A033

PACKAGE	A	B	C	D	E	F	G	H	J	K
CN	1	2	3	4	5	6	7	8	9	10
TO91	10	1	2	3	4	5	6	7	8	9
TO116	4	5	6	7	11	12	13	14	2	3

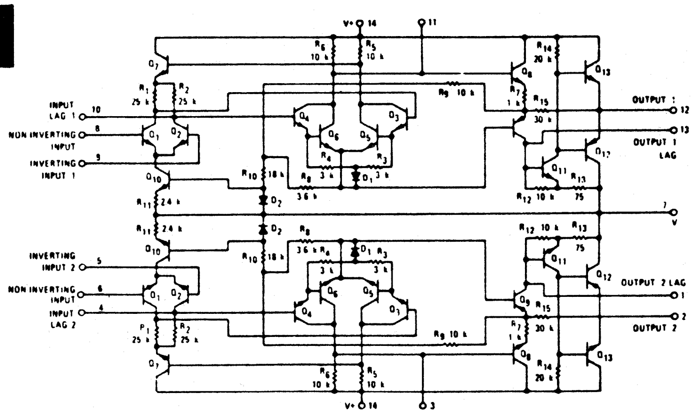


A035

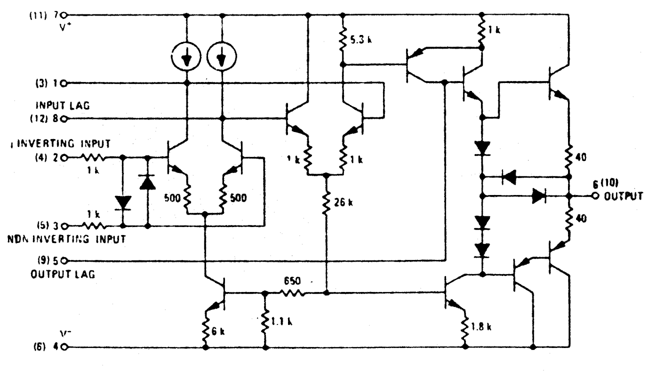


Number at end of terminal is pin number for both flat and plastic packages. Number in parenthesis is pin number for metal can package. Input lag available in flat and plastic packages.

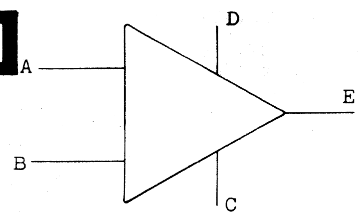
A036



A037

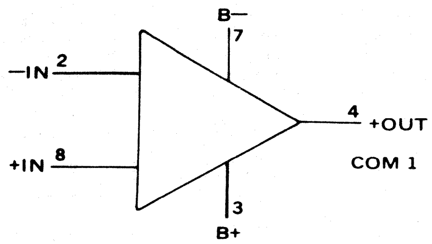


A039

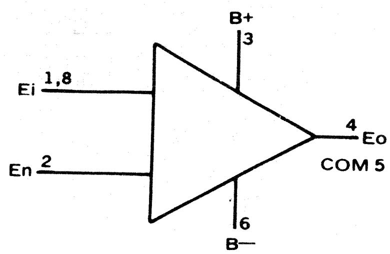


	A	B	C	D	E	COM
A039	-Ei 1	+Eb 8	B+ 3	B- 6	+Eo 4	5
A039a	-In 2	+In 3	-Vcc 4	+Vcc 7	OUT 6	

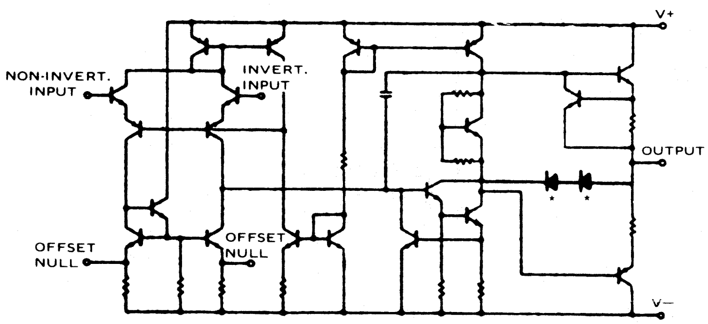
A040



A041

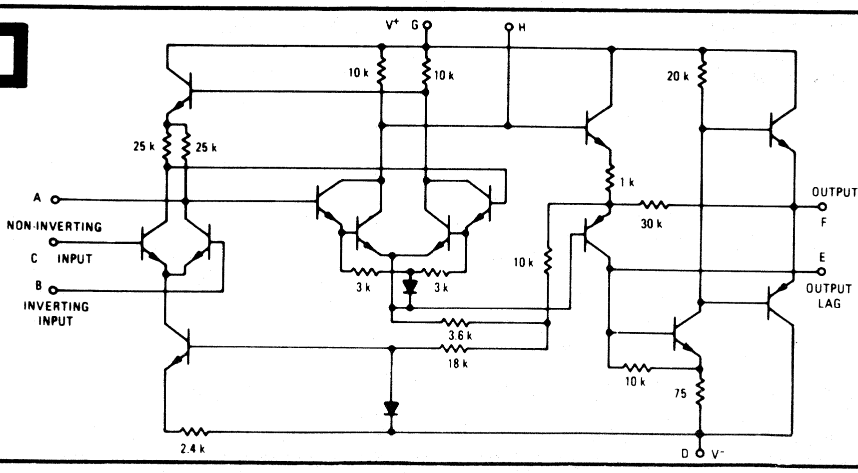


A042



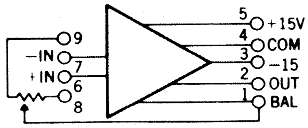
	PKG	CKT	V+	V-	INPUT INV	INPUT NON INV	OFFSET 1	NULL 2	OUTPUT	DIODES*
A042	TO99,TO116 and CH	1	7	4	2	3	1	5	6	NONE
	FP or MP	1	11	6	4	5	3	9	10	
A042a	MP,TO100 and TO116	1	13	4	1	2	3	5	12	NONE
		2	9		7	6	8	14	10	
A042d	TO99	1	2	5	3	4			1	NONE
		2	8	5	7	6			9	
A042f	TO99	1	7	4	2	3	1	5	6	NONE
A042g	TO91	1	8	5	3	4	2	6	7	NONE
A042h	MP or CN	1	8	4	2	3			1	NONE
		2	8	4	6	5			7	
A042k	CN or MP	1	7	4	2	3	1	5	6	NONE
	TO91	1	8	5	3	4	2	6	7	
	TO116 or MP	1	11	6	4	5	3	9	10	
A042m	TO99 or CN	1	7	4	2	3	1	5	6	NONE
	FP or MP	1	11	6	4	5	3	9	10	
A042n	CN or FP	1	2	5	3	4			1	NONE
		2	8		7	6			9	
	MP	1	13	4	1	2	3	14	12	
		2	9	7	6	5	5	8	10	
A042p	CN or MP	1	8	4	2	3			1	2
		2	8	4	6	5			7	
A042q	FP or MP	1	13	4	1	2	3	14	12	NONE
		2	9		7	6	5	8	10	
A042r	TO79	1	7	4	2	3	1	5	6	NONE
A042s	CN or FP	1	2	5	3	4			1	1
		2	8		7	6			9	
	MP	1	13	4	1	2	3	14	12	
		2	9		7	6	5	8	10	
A042t	TO99 or CN	1	2	5	3	4			1	2
		2	8	5	7	6			9	
A042u	MP	1	13	4	1	2	3	5	12	2
		2	9		7	6	8	14	10	

A043



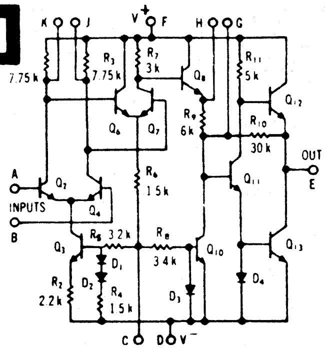
	A	B	C	D	E	F	G	H
TO99 and FC	1	2	3	4	5	6	7	8
TO91	2	3	4	5	6	7	8	9
MP	3	4	5	6	9	10	11	12

A044



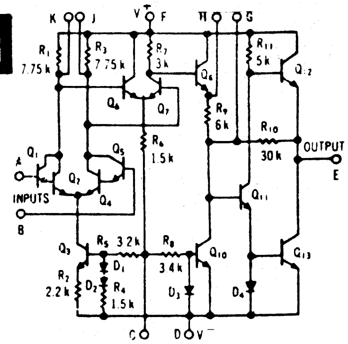
*If offset voltage adjustment is not needed, the potentiometer can be deleted and pins 1, 8 and 9 connected together.

A045



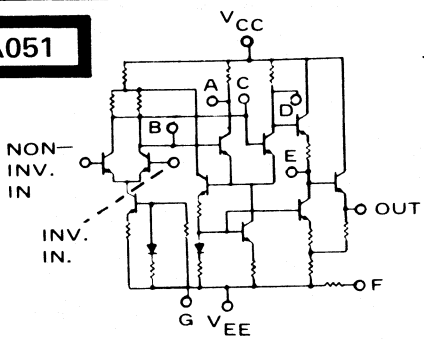
PACKAGE	A	B	C	D	E	F	G	H	J	K
CN	1	2	3	4	5	6	7	8	9	10
TO91	1	2	3	4	5	6	7	8	9	10
TO116	4	6	8	7	11	12	13	14	1	2

A046



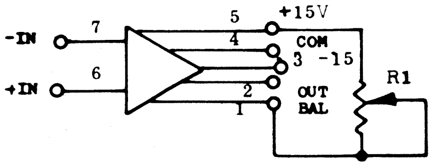
PACKAGE	A	B	C	D	E	F	G	H	J	K
CN	1	2	3	4	5	6	7	8	9	10
TO91	1	2	3	4	5	6	7	8	9	10
TO116	4	6	8	7	11	12	13	14	1	2

A051



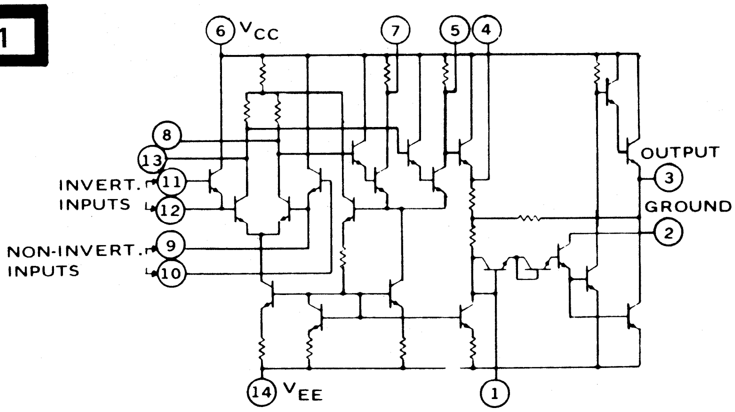
	PACKAGE	NON INV IN	INV IN	VEE	VCC	OUT	A	B	C	D	E	F	G
A051	FP, MP, TO116	4	3	6	13	12	14	1	9	10	11	8	2
	CN	3	2	4	10	9	11	12	6	7	8	5	1

A053

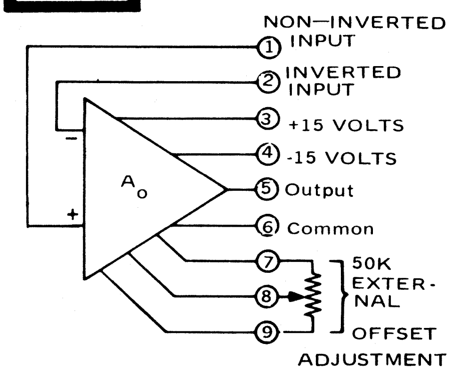


	R1
A053	ADJUSTABLE
A053a	FIXED
A053b	CONNECTED TO 3 INSTEAD OF 1

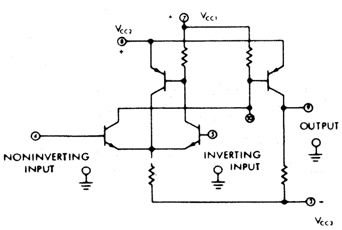
A061



A062

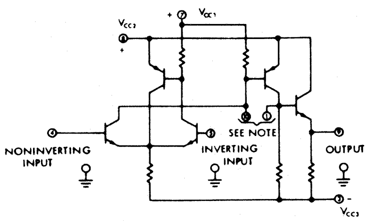


A065



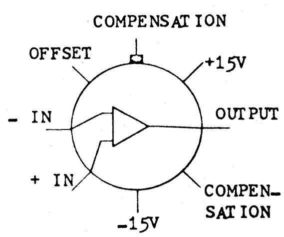
NOTES: PIN ⑩ IS FOR FREQUENCY SHAPING
PINS ①, ②, AND ⑥ — NO INTERNAL CONNECTION

A066

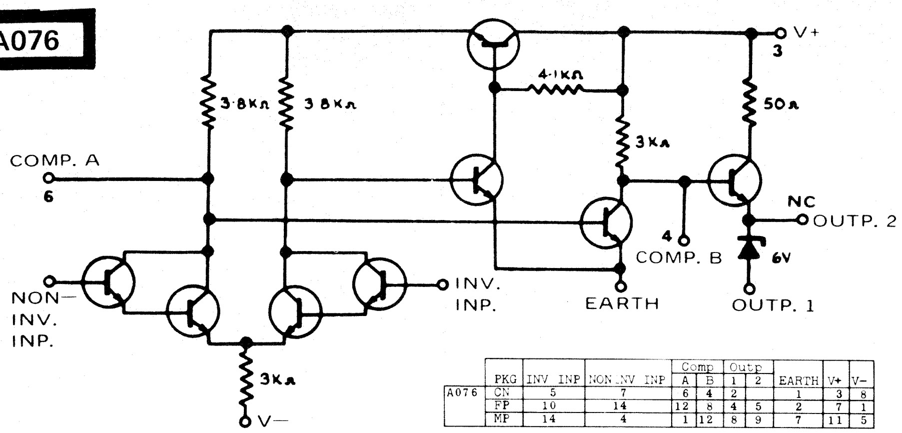


NOTES: PINS ⑩ AND ① ARE FOR FREQUENCY SHAPING
PINS ② AND ⑥ — NO INTERNAL CONNECTION

A071

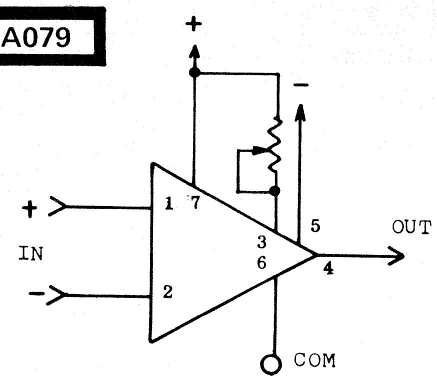


A076

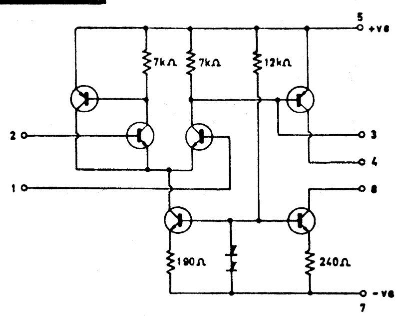


	PKG	INV INP	NON INV INP	Comp A	Comp B	Outp 1	Outp 2	EARTH	V+	V–
A076	CN	5	7	6	4	2		1	3	8
	FP	10	14	12	8	4	5	2	7	1
	MP	14	4	1	12	8	9	7	11	5

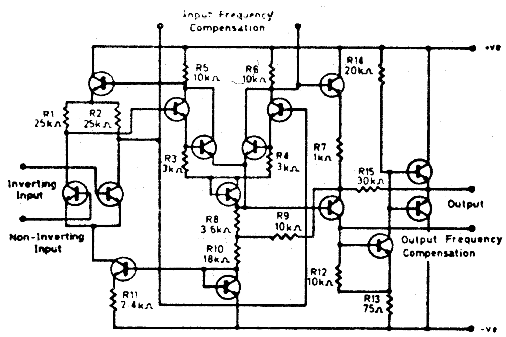
A079



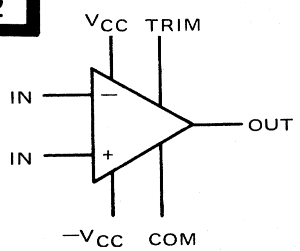
A080



A081

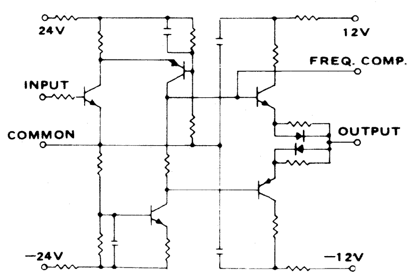


A082

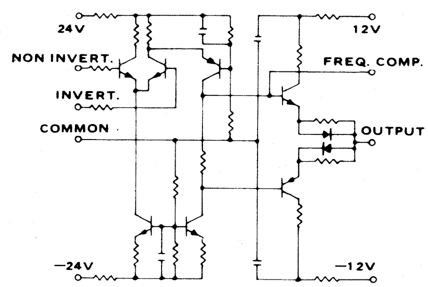


	-IN	+IN	-VCC	+VCC	COM	TRIM	OUT
A082	2	3	7	5	6	9	8
A082a	3	2	5	6	1	4	7

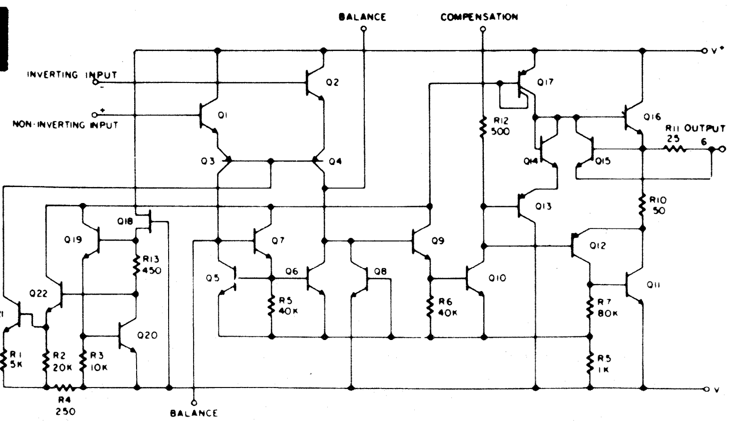
A085



A086



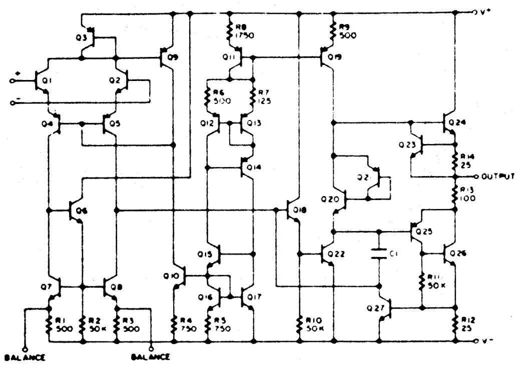
A090



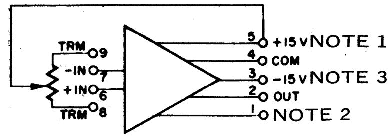
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

A092



A097

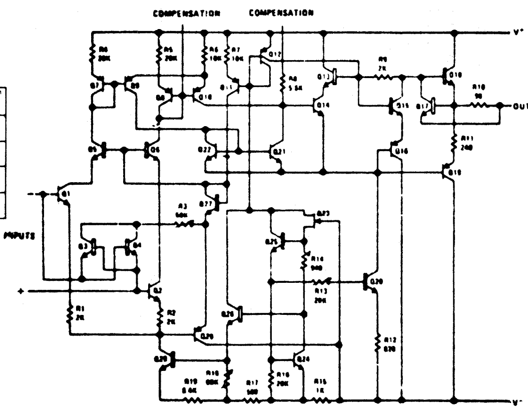


Balance potentiometer optional. If desired use 2 kΩ or any value between 500 Ω and 5 kΩ.

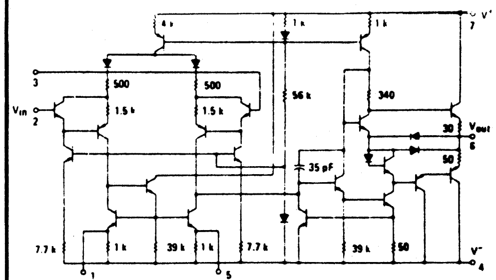
NOTES: 1. TRIM CONNECTION FOR A097
2. TRIM CONNECTION FOR A097b
3. TRIM CONNECTION FOR A097a

A098

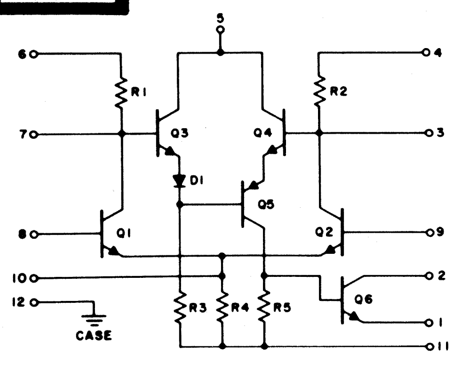
	PKG	COMP	GUARD	INPUT NON-INV	INPUT INV	V+	V-	OUTPUT
A098	TO99	1 8		3	2	7	4	6
	FP	9 10	2 5	4	3	8	6	7
	DIP	2 12	3 6	5	4	11	7	10
	TO116	2 12	3 6	5	4	11 13	7	10



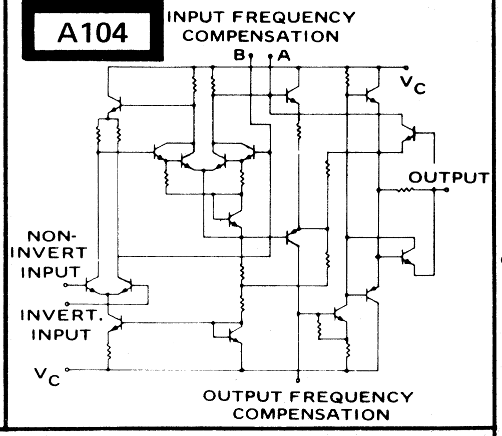
A100



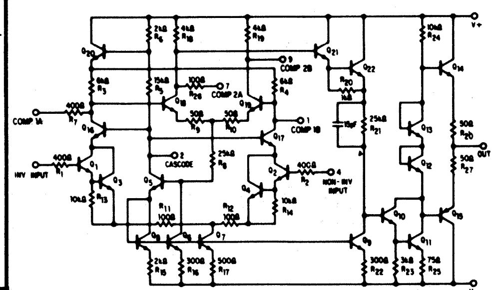
A103



A104

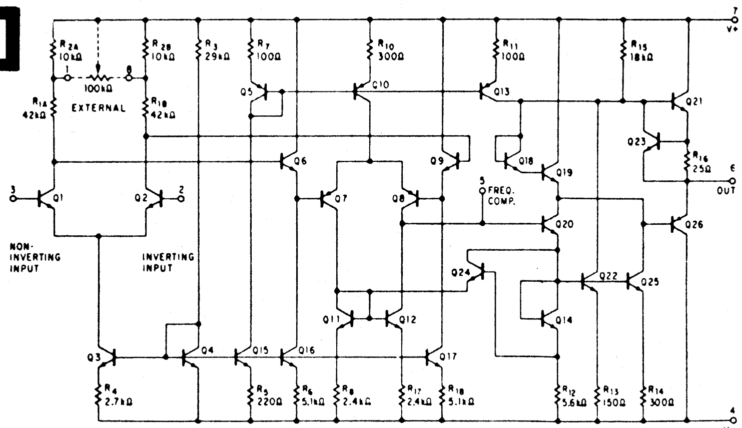


A106

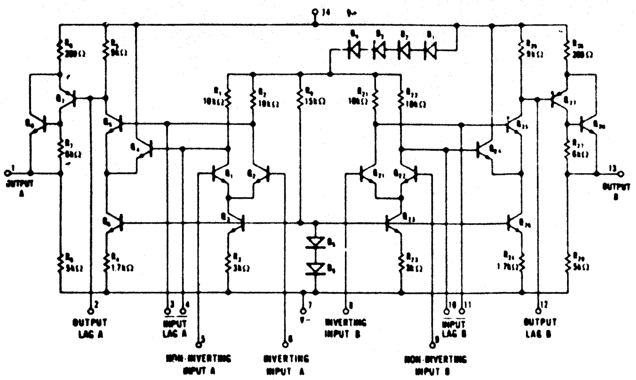


PACKAGE	COMP 1A	INV INP	V+	V-	OUT
TO100	10	3	8	5	6
MP151	1	4	13	10	11

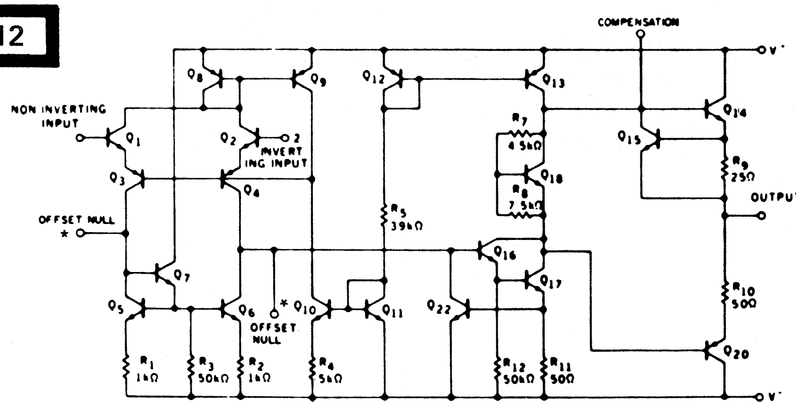
A107



A109



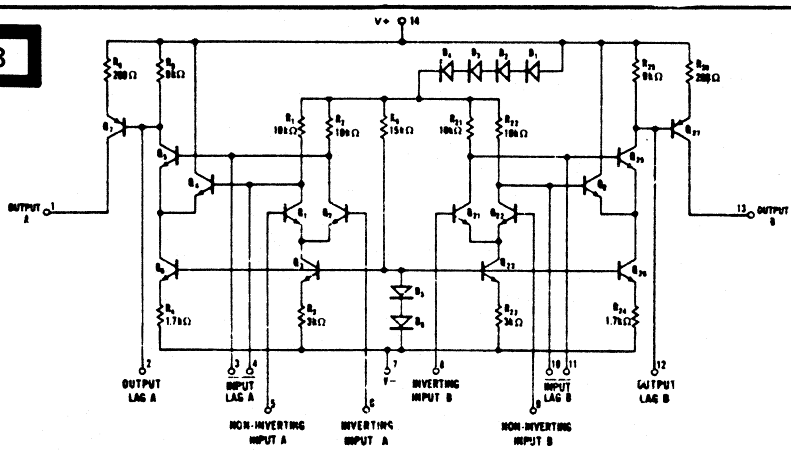
A112



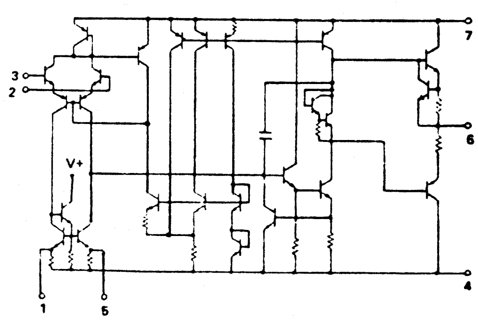
*A112a - OMIT OFFSET NULL.

					INPUT		OFFSET NULL			
		CKT	V+	V-	INV	NON INV	1	2	OUT	COMP
A112,a		1	7	4	2	3	5	1	6	8
A112b	CN or MP	1	7	4	2	3	1	5	6	8
	MP or TO116	1	11	6	4	5	3	9	10	12

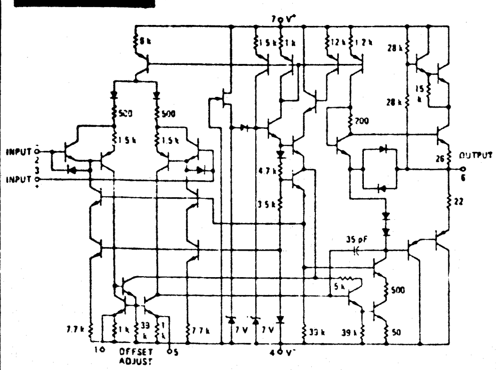
A113



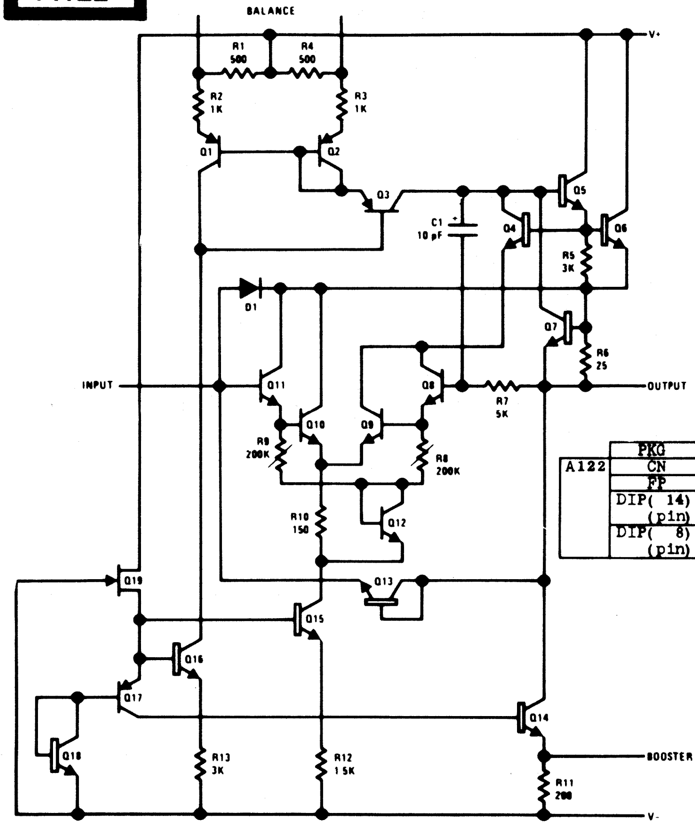
A117



A118

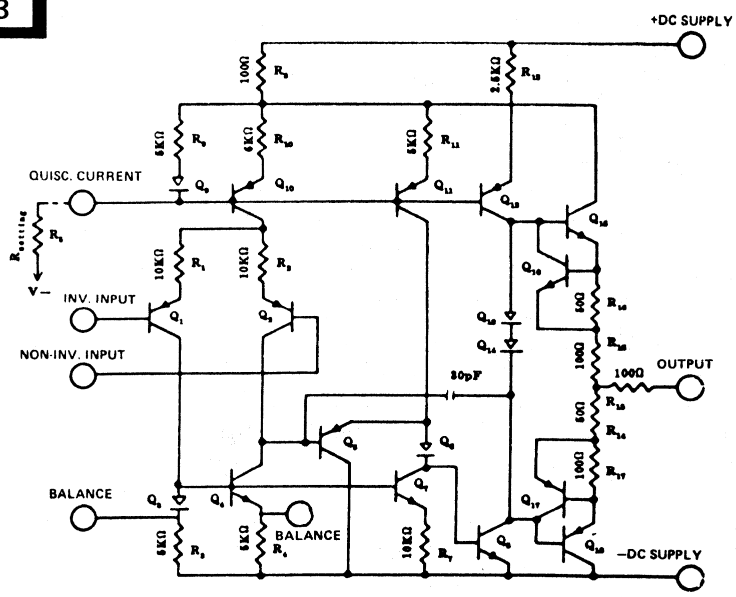


A122



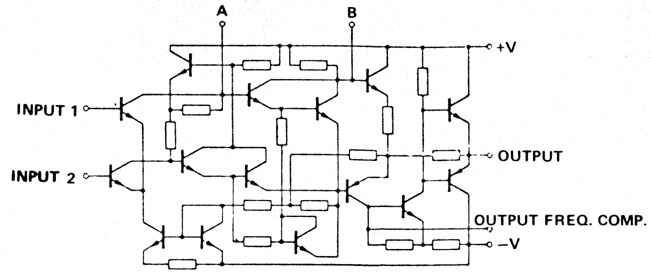
	PKG	IN	V-	V+	BIAS	OUT	BALANCE
A122	CN	3	4	7	5	6	1,8
	FP	4	5	8	6	7	2,9
	DIP(14) (pin)	5	6	11	9	10	3,12
	DIP(8) (pin)	3	4	7	5	6	1,8

A123



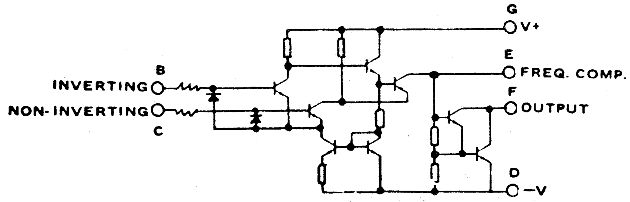
	PKG.	CKT	BAL 1	INV. IN	NON INV. IN	NEG SUP	BAL 2	OUT	POS SUP	QUIESC. CURRENT
A123	TO99	1	1	2	3	4	5	6	7	8
	MP	1		1	2	8		3	4	14
		2		6	7	8		9	4	5
		3		11	12	8		13	4	10
A123a	TO99	1	5	2	3	4	1	6	7	8
A123b	CN, MP	1	1	2	3	4	5	6	7	8

A124



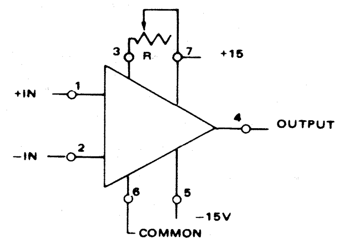
	IN 1	IN 2	A	B	+V	OUT	OUT FREQ. COMP.	−V
A124	2	3	1	8	7	6	5	4
A124a	3	4	2	9	8	7	6	5

A125

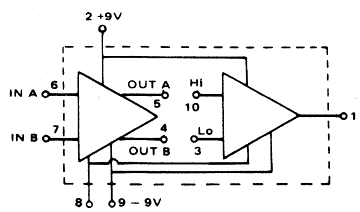


	PKG	B	C	D	E	F	G
A125		4	3	6	8	7	2
A125a	FP	5	3	6	10	8	1
	MP	3	2	4	6	5	1
	CN	4	3	6	8	7	2
A125b	FP	2	1	3	5	4	6

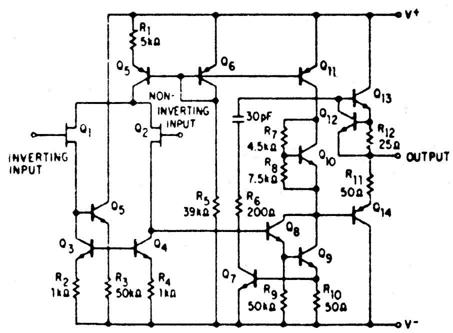
A129



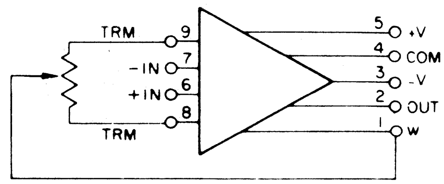
A130



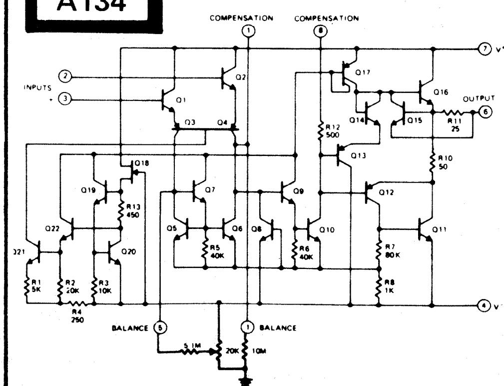
A131



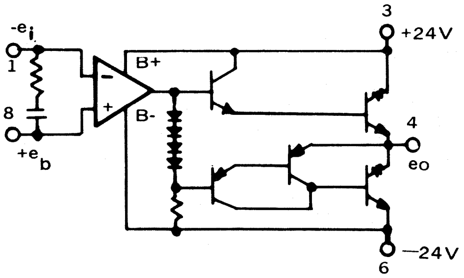
A132



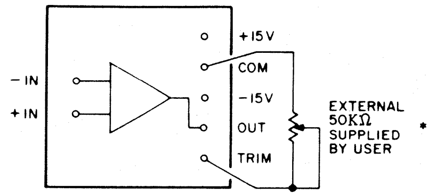
A134



A135

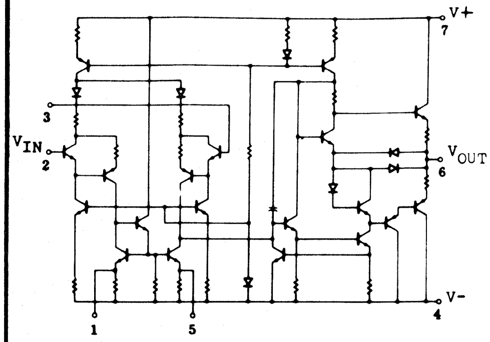


A136

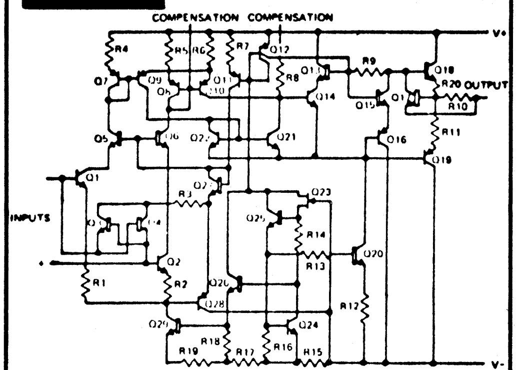


*- A136a HAS 1k^ SUPPLIED

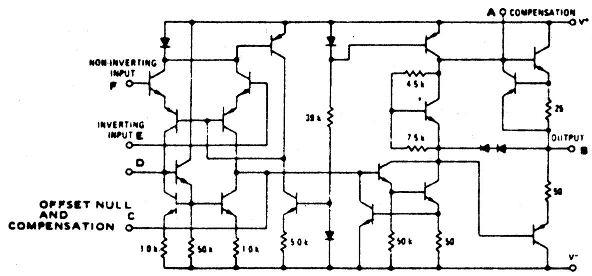
A139



A146



A148



	PKG	A	B	C	D	E	F	V+	V-
A148	CN	8	6	1	5	2	3	7	4
A148a	FC	H	F	A	E	B	C	G	D
	FP	9	7	2	6	3	4	8	5

A150

	PKG	COMP	INV IN	NON-INV IN	OFFSET NULL COMP N1	N2	OUT	V+	V-
A150	MP/FP	12	4	5	3	9	10	11	6
	TO99/MP	8	2	3	1	5	6	7	4

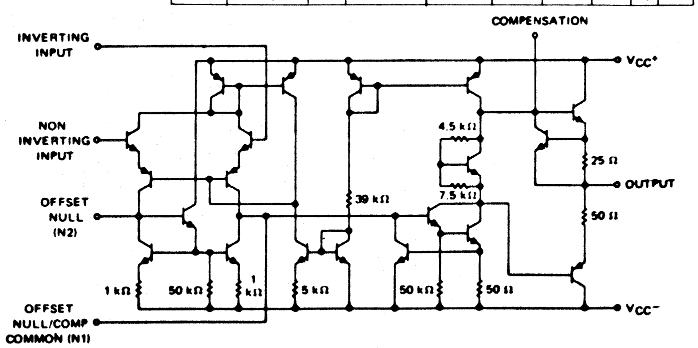
A151

	PKG	VCC+	OUT	N2	N1	INV IN	NON-INV IN	VCC-
A151	MP48	7	6	5	1	2	3	4

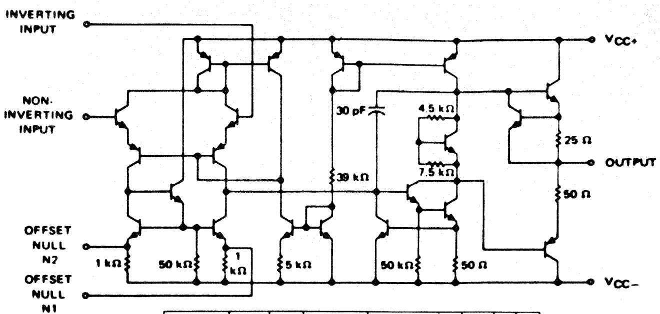
NOTE: N1 and N2 ARE OFFSET NULL.

A153

	PKG	INV IN	NON-INV IN	OFFSET NULL COMP N1	N2	COMP	OUT	V+	V-
A153	MP/FP	4	5	3	9	12	10	11	6
	TO99/MP	2	3	1	5	8	6	7	4

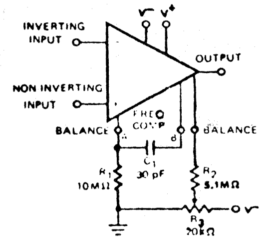


A154

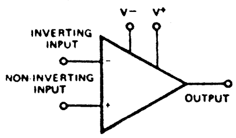


	PKG	CKT	INV IN	NON-INV IN	OFFSET NULL N1	OFFSET NULL N2	OUT	V+	V-
A154	MP/FP	1	4	5	3	9	10	11	6
	TO99/MP	1	2	3	1	5	6	7	4
A154a	MP	1	1	2	14	3	12	13	4
		2	7	6	8	5	10	9	4
A154b	CN	1	3	4			1	2	5
		2	7	8			9	2	5

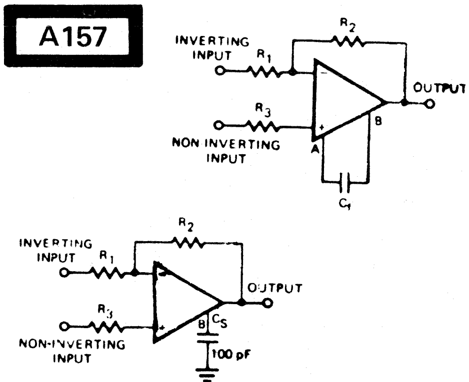
A155



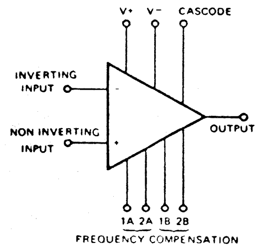
A156



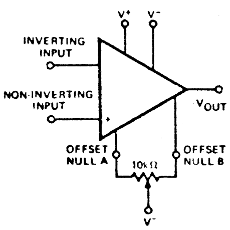
A157



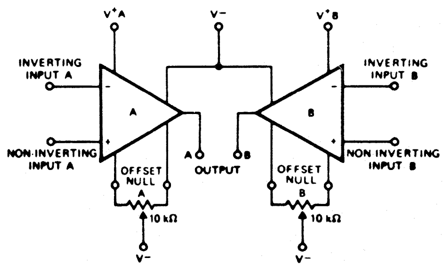
A158



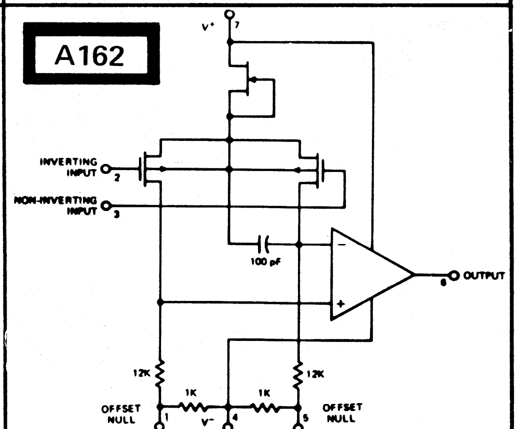
A159



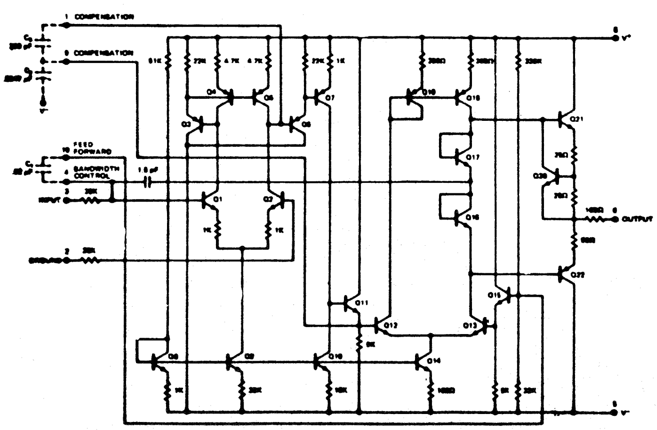
A160



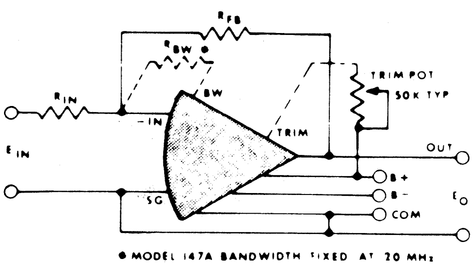
A162



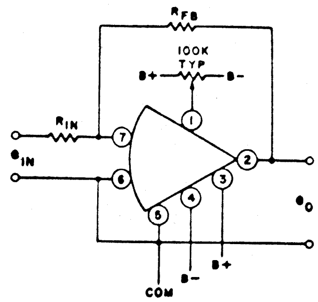
A163



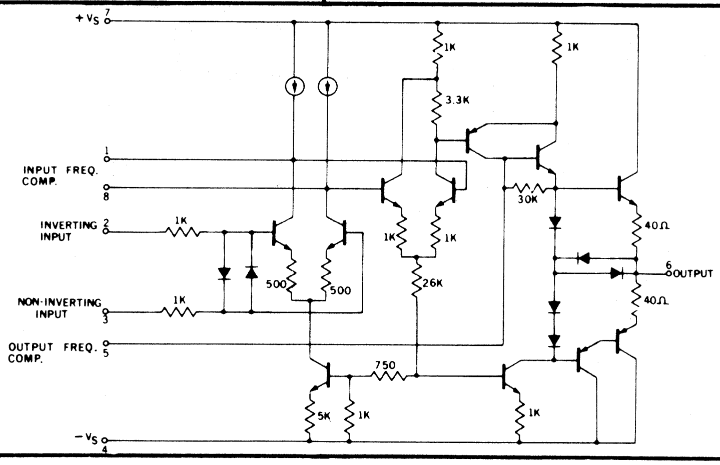
A164



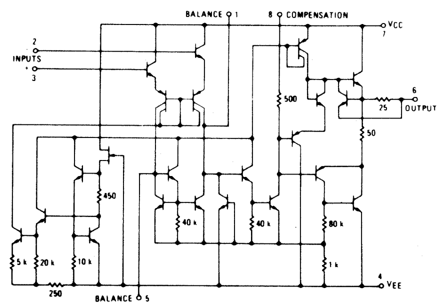
A165



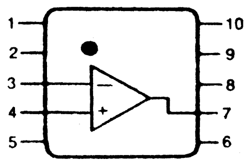
A169



A171

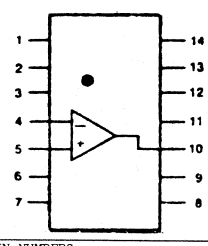


A172



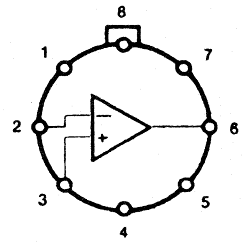
	PIN NUMBERS									
	1	2	3	4	5	6	7	8	9	10
A172	N.C.	BALANCE	INV.INP	NON INV.INP	V−	BALANCE	OUTP	V	N.C.	N.C.
A172a	N.C.	BALANCE/ COMP	INV.INP	NON INV.INP	V−	BALANCE	OUTP	V	COMP.	N.C.
A172b	N.C.	N.C.	INV.INP	NON INV.INP	V−	N.C.	OUTP	V	N.C.	N.C.
A172c	N.C.	VOS TRIM	INV.INP	NON INV.INP	V−	COMP.	OUTP	V	VOS TRIM	N.C.
A172d	N.C.	INP.LAG	INV.INP	NON INV.INP	−VS	OUT LAG	OUT	+VS	INP.LAG	N.C.
A172e	N.C.	GUARD	INV.INP	NON INV.INP	GUARD	V−	OUTP	V	OUTP COMP	INP COMP

A173



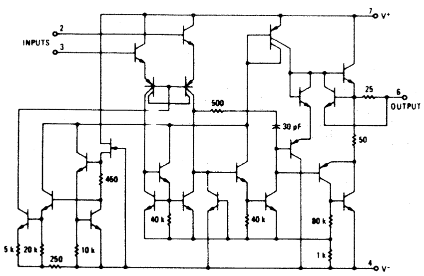
	PIN NUMBERS													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A173	N.C.	N.C.	BALANCE	INV.INP	NON INV.INP	V−	N.C.	N.C.	BALANCE	OUTP	V+	N.C.	N.C.	N.C.
A173a	N.C.	N.C.	BALANCE/ COMP.	INV.INP	NON INV.INP	V−	N.C.	N.C.	BALANCE	OUTP	V+	COMP.	N.C.	N.C.
A173b	N.C.	N.C.	N.C.	INV.INP	NON INV.INP	V−	N.C.	N.C.	N.C.	OUTP	V+	N.C.	N.C.	N.C.
A173c	N.C.	N.C.	VOS TRIM	INV.INP	NON INV.INP	V−	N.C.	N.C.	COMP.	OUTP	V+	VOS TRIM	N.C.	N.C.
A173d	N.C.	OFF. ADJ.A	INV.INP	NON INV INP	−VS	N.C.	N.C.	N.C.	N.C.	OFF ADJ.B	OUT	+VS	INP COMP	N.C.
A173e	N.C.	OFF. ADJ.A	INV.INP	NON INV INP	−VS	N.C.	N.C.	N.C.	N.C.	OFF ADJ.B	OUT	+VS	N.C.	N.C.
A173f	N.C.	INP LAG	INV.INP	NON INV INP	−VS	N.C.	N.C.	N.C.	N.C.	OUT LAG	OUT	+VS	INP LAG	N.C.
A173g	N.C.	OFF. ADJ	GUARD	IN−	IN+	GUARD	V−	N.C.	N.C.	OUT	V+	OFF. ADJ	N.C.	N.C.

A174

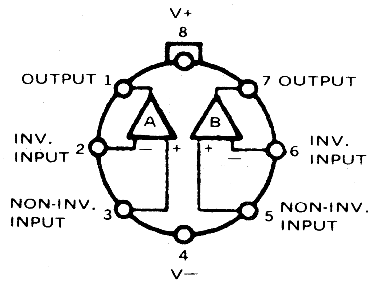


	PIN NUMBERS 1	2	3	4	5	6	7	8
A174	BALANCE	INV.INP	NON INV.INP	V-	BALANCE	OUTP.	V +	N.C.
A174a	VOS TRIM	INV.INP	NON INV.INP	V-	COMP.	OUTP.	V +	VOS TRIM
A174b	BALANCE/ COMP.	INV.INP	NON INV.INP	V-	BALANCE	OUTP.	V +	COMP.
A174c	N.C.	INV.INP	NON INV.INP	V-	N.C.	OUTP.	V+	N.C.
A174d	COMP.	INV.INP	NON INV INP	V-	BIAS SET	OUT	V+	COMP.
A174e	INP.LAG	INV.INP	NON INV INP	-VS	OUTP LAG	OUTP	+VS	INP LAG
A174f	OFF.ADJ.	IN-	IN	V- CASE	OUT		V+	OFF.ADJ.
A174g	OFFSET ADJ	IN-	IN-	V-	OFFSET ADJ	OUT	V+	BANDWIDTH CONTROL
A174h	OFF.ADJ.	IN-	IN	CASE	OFF.ADJ.	OUT	V+	N.C.
A174j	INP.COMP.	IN-	IN	V-	N.C.	OUTP	V+	OUTP COMP
A174k	CF	INV.INP	NON.INV	VCC-	CSH	OUTP	VCC	CT
A174m	OFF.ADJ.	INV.INP	NON-INV IMP	V-	OFF.ADJ	OUTP.	V	CASE(GUARD)
A174n	OFF.ADJ.	INV.INP	NON-INV IMP	V-	OFF.ADJ	OUTP.	V	QUISC.CURR SET
A174p	NULL	IN-	IN+	V-	NULL	OUTP	V +	CASE
A174q	OFF.NULL	INV:INP	NON INV INP	V-	N.C.	OUTP	V +	OFF NULL

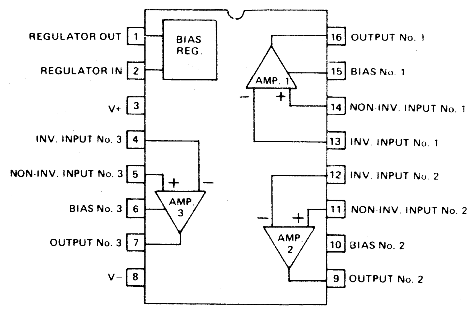
A175



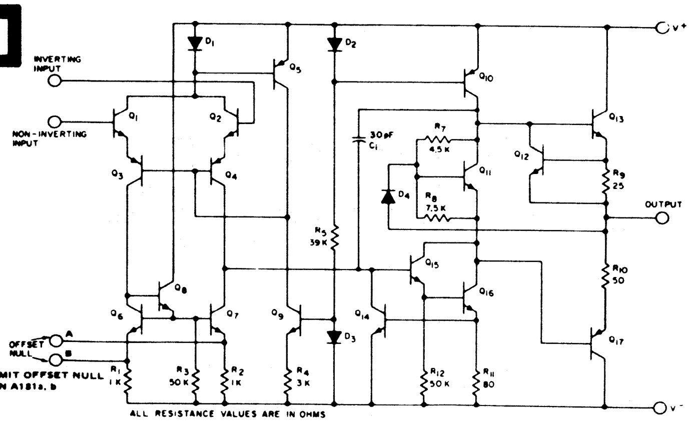
A179



A180

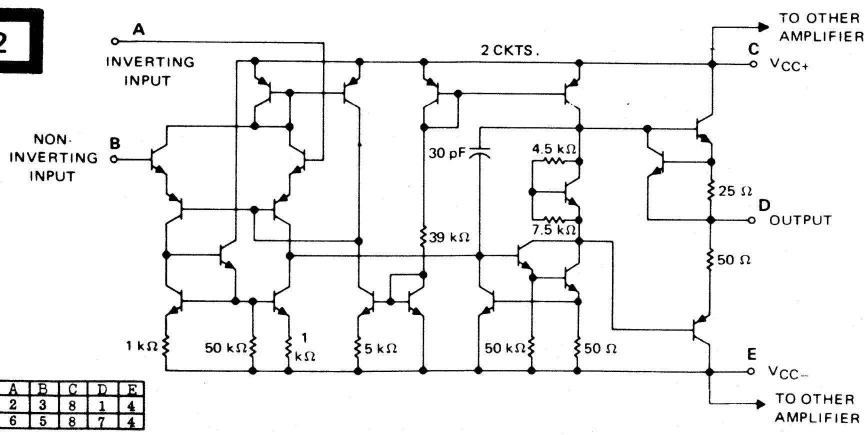


A181



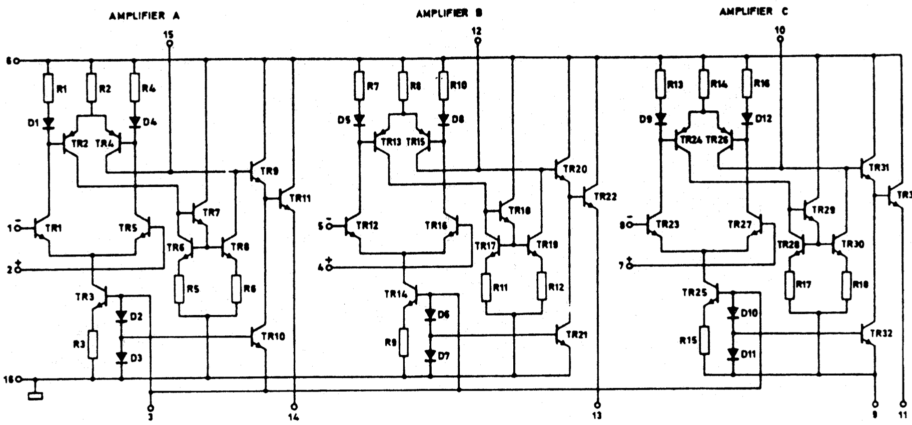
	CKT NO.	INVERT INP.	NON INV. INP.	OFFSET NULL A	OFFSET NULL B	OUTPUT	V+	V-
A181	1	2	3	1	5	6	7	4
A181a	1	2	3			1	8	4
	2	6	5			7	8	4
A181b	1	3	4			1	8	5
	2	7	6			9	8	5
A181c	1	1	2	3	5	12	13	4
	2	7	6	14	8	10	9	4

A182

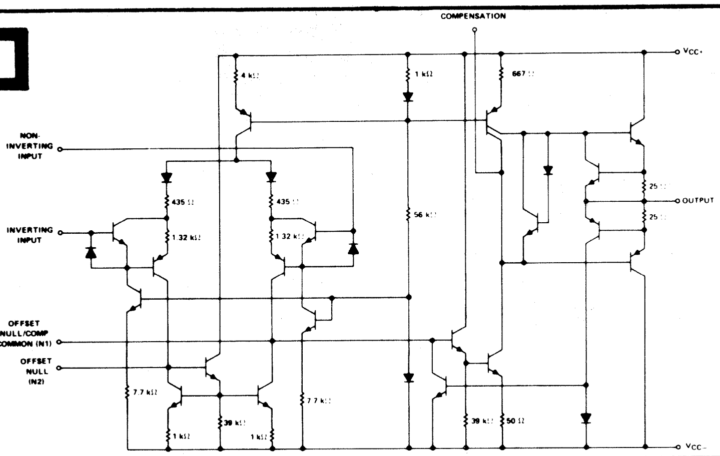


	CKT	A	B	C	D	E
A182	1	2	3	8	1	4
	2	6	5	8	7	4

A183

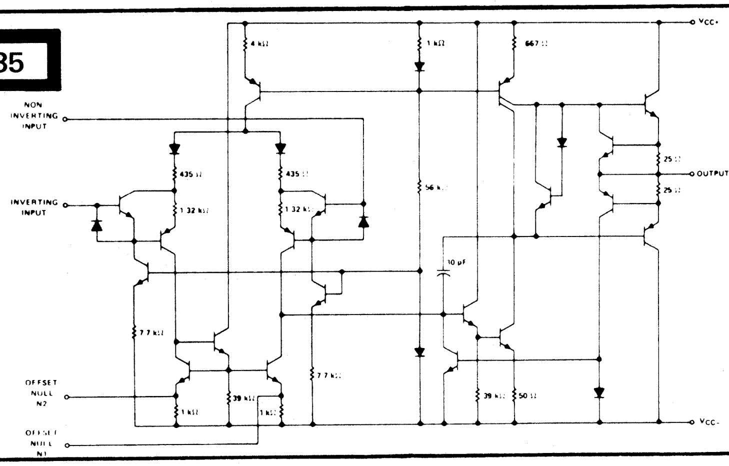


A184



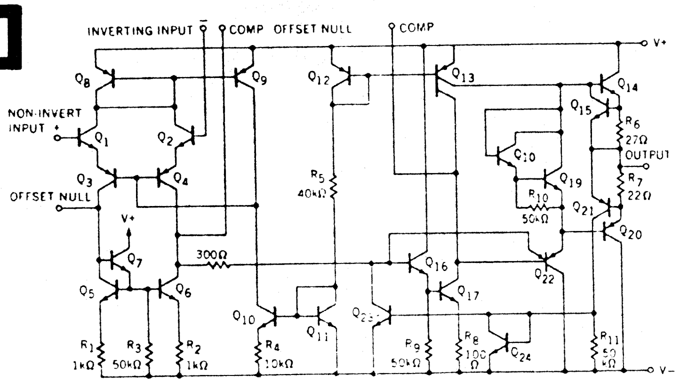
	PKG	INV IN	NON INV IN	N1	N2	COMP	OUT	V+	V-
A184	CN,MP	2	3	1	5	8	6	7	4
	FP,MP	4	5	2	9	12	10	11	7

A185



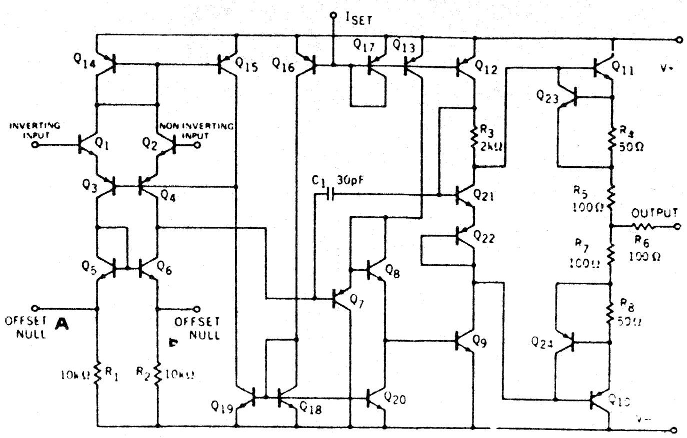
	PKG	NON INV IN	INV IN	N2	N1	OUT	V+	V-
A185	CN,MP	3	2	5	1	6	7	4
	FP,MP	5	4	9	2	10	11	7

A186



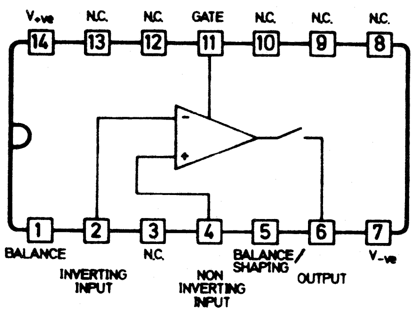
	PKG	INV.INP	NON INV.INP	OFFSET NULL	COMP.OFFSET NULL	COM	OUTPUT	V-	V+
A186	FP	3	4	6	2	9	7	5	8
A186a	FP, CN	2	3	5	1	8	6	4	7
A186b	MP	4	5	9	3	12	10	6	11
A186c	MP	2	3	5	1	8	6	4	7

A187

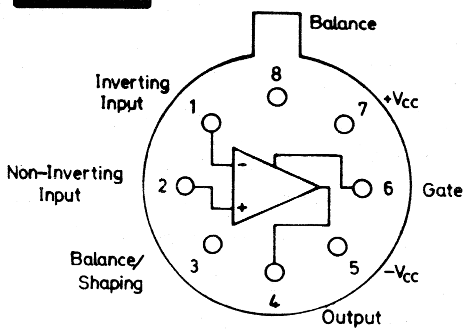


	PKG	ISET	INV.INP	NON INV.INP	OFFSET NULL		OUTP.	V+	V-
					A	B			
A187	CN,FP	8	2	3	1	5	6	7	4
A187a	MP	12	4	5	3	9	10	11	6

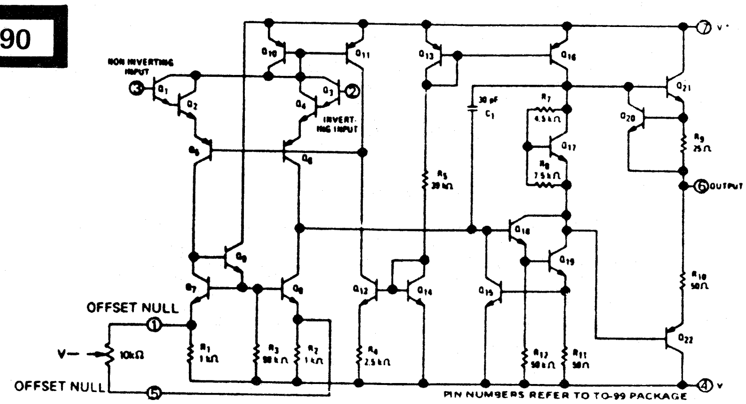
A188



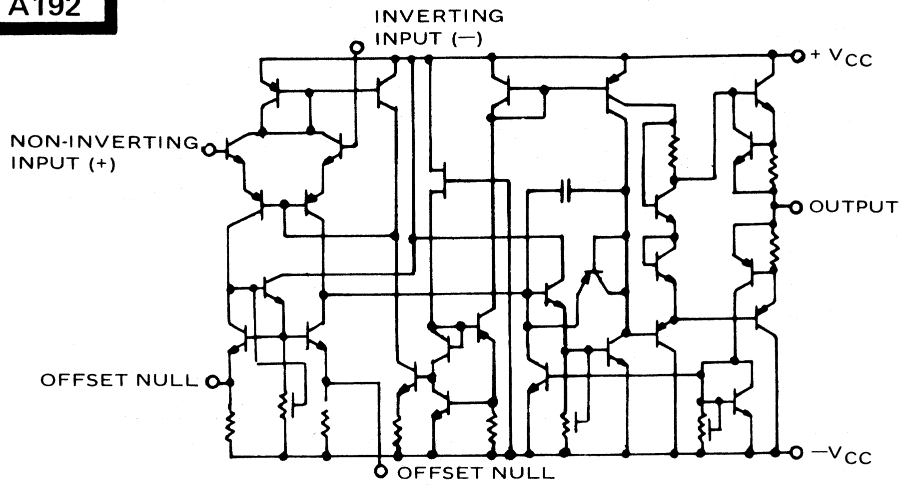
A189



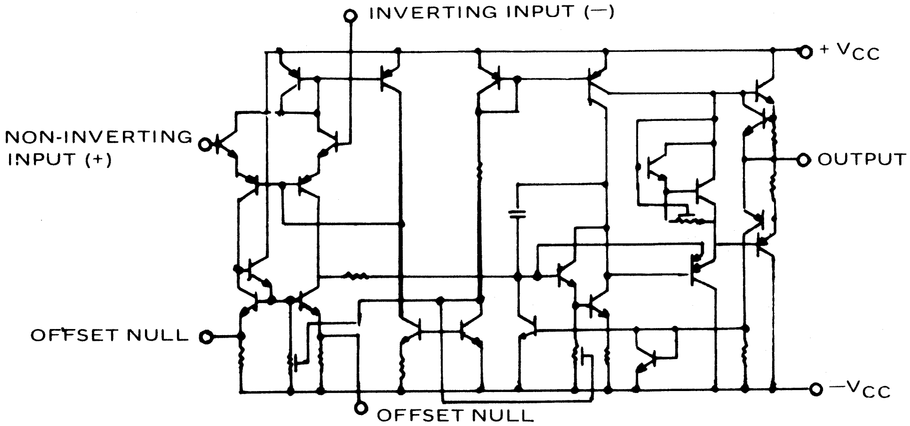
A190



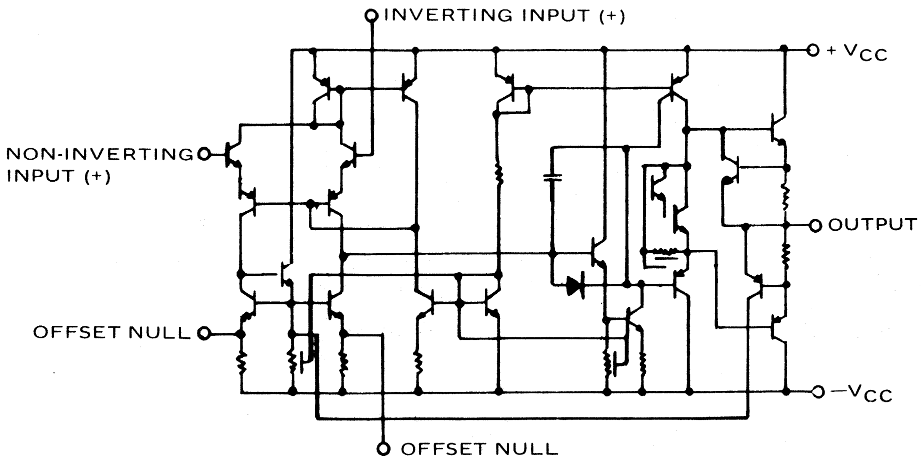
A192



VARIATION I



VARIATION II

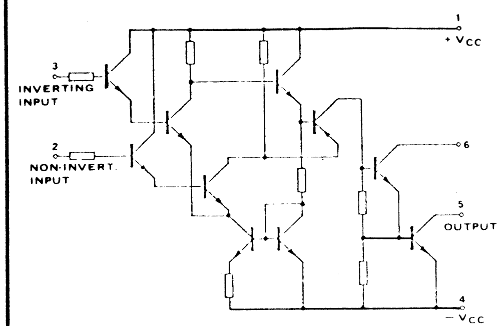


VARIATION III

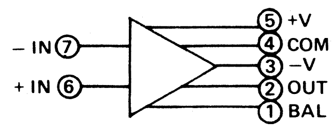
NOTES:
1. ALL RESISTANCE AND CAPACITANCE VALUES ARE NOMINAL.
2. THE CIRCUITS SHOWN ARE FOR EACH AMPLIFIER.

	PKG	CKT NO.	NON INV. INPUT	INV. INPUT	OFFSET NULL A	OFFSET NULL B	VCC −	VCC +	OUTPUT
A192	FP OR MP	1	2	1	3	5	4	9,13	12
		2	6	7	14	8			10
	CN	1	4	3			2,5	8	1
		2	6	7					9

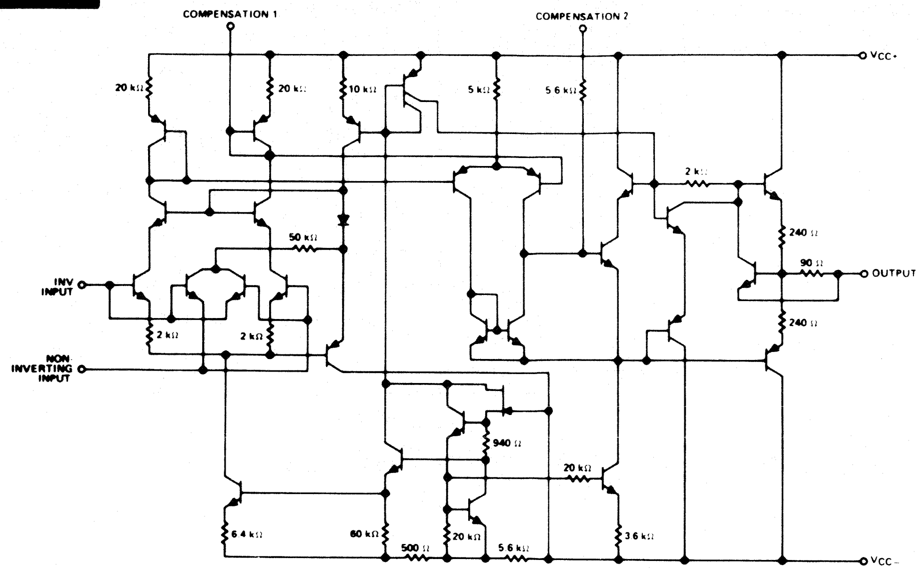
A195



A197

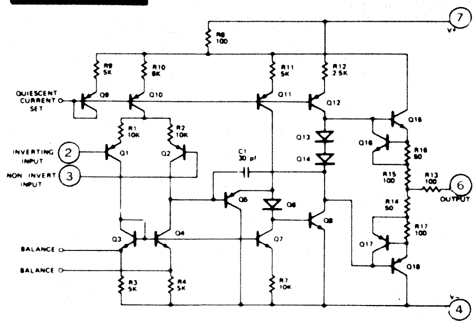


A198

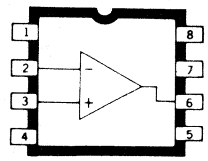


	PKG	INV INPUT	NON INV INPUT	COMP 1	COMP 2	OUTPUT	VCC+	VCC-
A198	MP	4	5	2	12	10	11	7
	CN, MP	2	3	1	8	6	7	4
	FP	3	4	10	9	7	8	6

A199

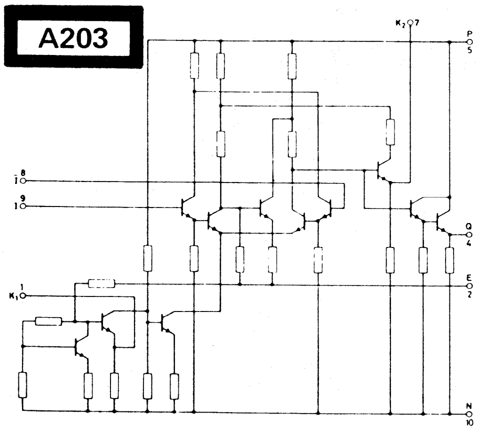


A200

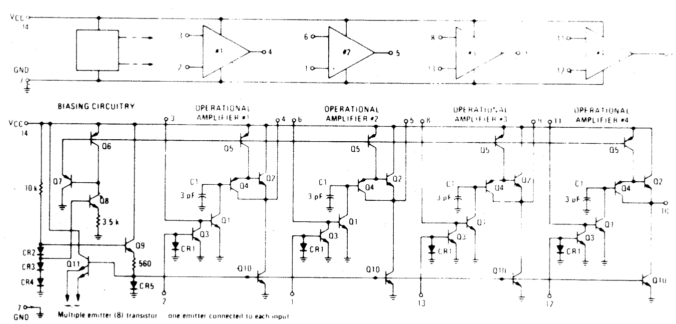


	PIN NUMBERS 1	2	3	4	5	6	7	8
A200	OFF ADJ.A	INV INP	NON INV INP	-VS	OFF ADJ.B	OUT	+VS	EXT COMP
A200a	OFF ADJ.A	INV INP	NON INV INP	-VS	OFF ADJ.B	OUT	+VS	N.C.
A200b	INP LAG	INV INP	NON INV INP	-VS	OFF ADJ.B	OUTP LAG	+VS	INP LAG

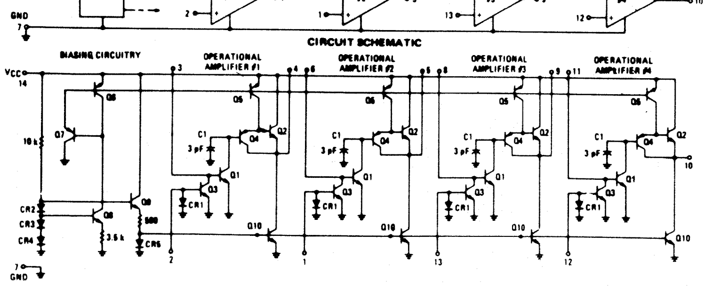
A203



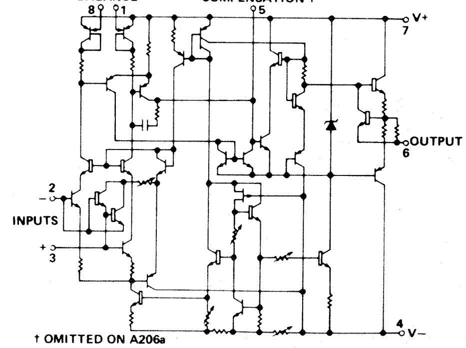
A204



A205



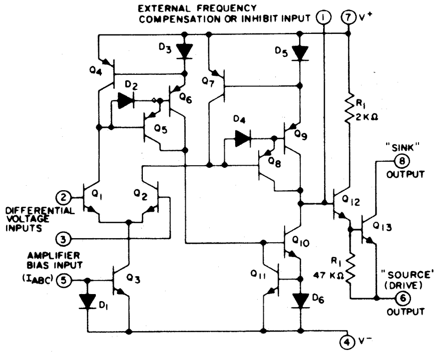
A206



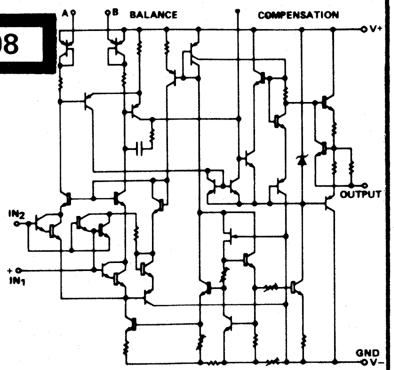
† OMITTED ON A206a

A207

OUTPUT MODE	OUTPUT TERM	INPUTS INV	INPUTS NON-INV
"SOURCE"	6	2	3
"SINK"	8	3	2



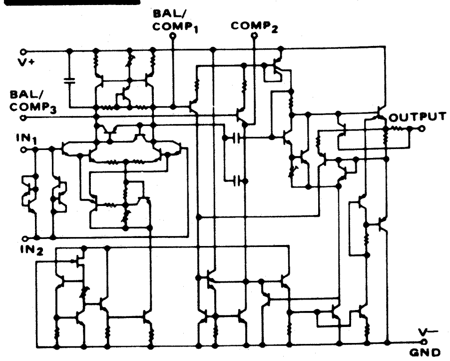
A208



	PKG	IN1	IN2	BALANCE A	BALANCE B	COMP	V+	V−	OUT	GUARD1	GUARD2
A208	CN	3	2	8	1	5	7	4	6	NA	NA
	FP	4	3	10	9	NA	8	6	7	2	5
	MP	5	4	2	12	9	11	7	10	3	6

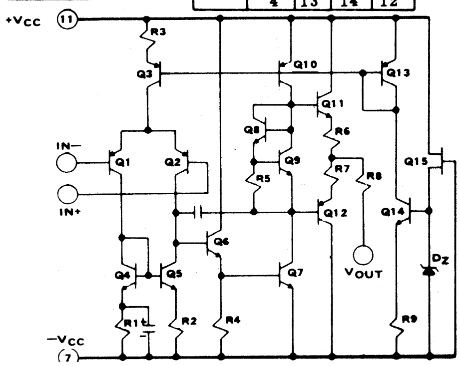
A209

	PKG	BAL/ COMP1	COMP2	BAL/ COMP3	IN1	IN2	V+	V−	OUT
A209	CN	1	8	5	2	3	7	4	6
	FP	2	9	6	3	4	8	5	7
	MP	3	12	9	4	5	11	6	10



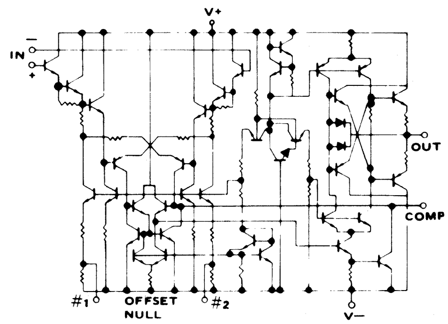
A210

	CKT	IN	IN	OUT
A210	1	2	1	3
	2	5	6	4
	3	9	8	10
	4	13	14	12



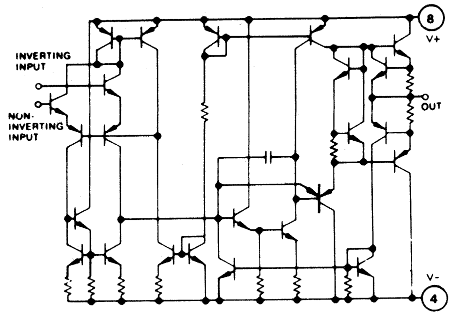
A211

	PKG	OFFSET NULL #1	OFFSET NULL #2	IN−	IN+	OUT	V−	V+	COMP
A211	CN	1	5	2	3	6	4	7	8
	MP 8-LEAD	1	5	2	3	6	4	7	8
	MP 14-LEAD	3	9	4	5	10	6	11	12

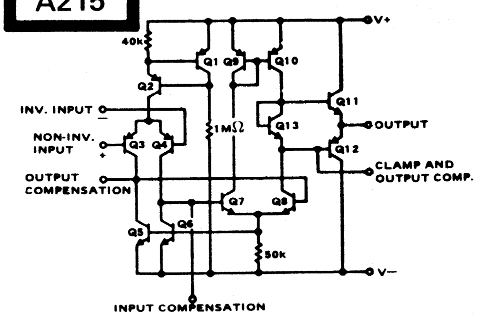


A212

	CKT	INV IN	NON INV IN	OUT
A212	1	2	3	1
	2	6	5	7



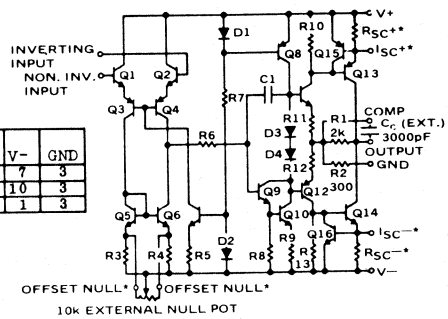
A215



	PKG	INP	NON INV INP	INP COMP	OUTP COMP	CLAMP and OUTP COMP	OUTP	V+	V−
A215	CN	4	2	5	1	10	8	9	3
	FP	3	1	4	2	5	7	8	6
	MP	1	14	2	11	5	7	9	3

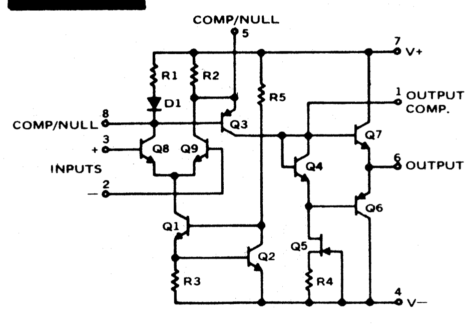
A216

	PKG	INV INP	NON · INV INP	OFFSET NULL 1	OFFSET NULL 2	ISC +	ISC −	COMP	OUTP	V+	V−	GND
A216	TO3	5	6			1	8	4	CASE	2	7	3
	TO8	5	6	7	8	1	9	2	11	12	10	3
	MP	7	8					5	6	4	1	3



*RSC EXTERNAL ON TO-8 AND TO-3 PACKAGES.
RSC INTERNAL ON "J" PACKAGE.
OFFSET NULL CONNECTIONS AVAILABLE ONLY ON TO-8 "G" PACKAGE.

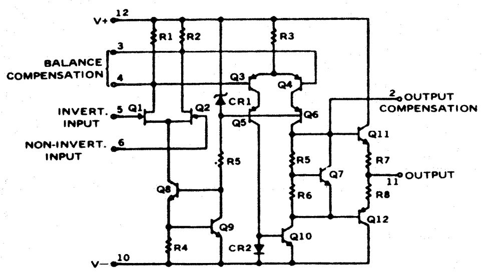
A217



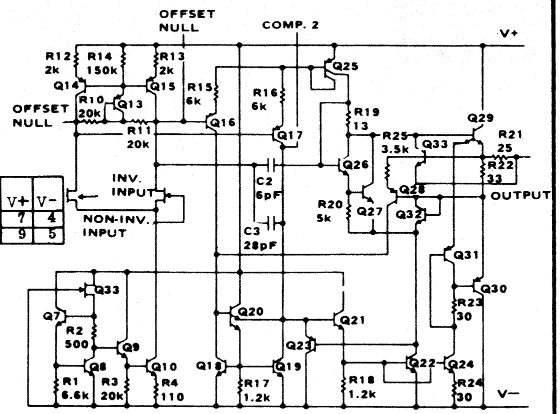
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

A218

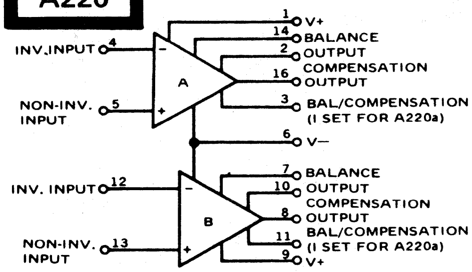


A219



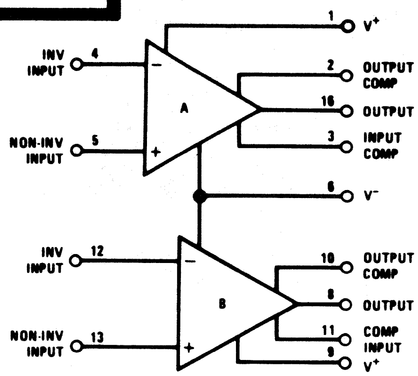
	PKG	INV INP	NON INV INP	OFFSET NULL 1	2	COMP	OUTP	V+	V-
A219	CN	2	3	1	5	8	6	7	4
	FP	3	12	6	10		8	9	5

A220

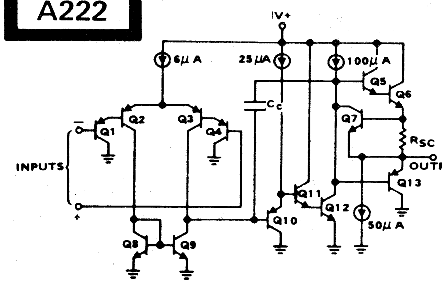


	CKT	INV INP	NON INV INP	BALANCE	OUTP COMP	OUTP	BAL/COMP	V+	V-
A220	1	4	5	14	2	16	3	1	6
	2	12	13	7	10	8	11	9	
A220a	1	4	5	14	3	16	2		6
	2	12	13	7	11	8	10	9	

A221

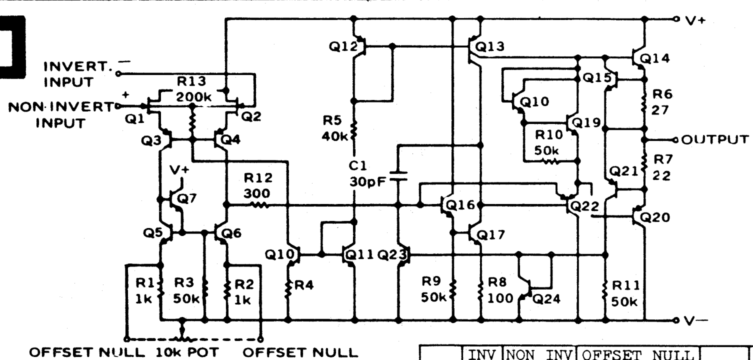


A222



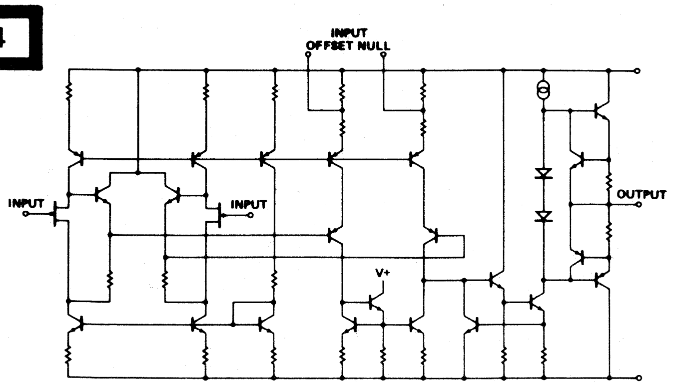
	CKT	INPUTS +	−	OUTP	V+	GND
A222	1	3	2	1	4	11
	2	5	6	7		
	3	10	9	8		
	4	12	13	14		

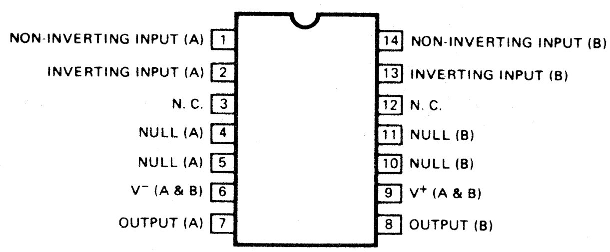
A223



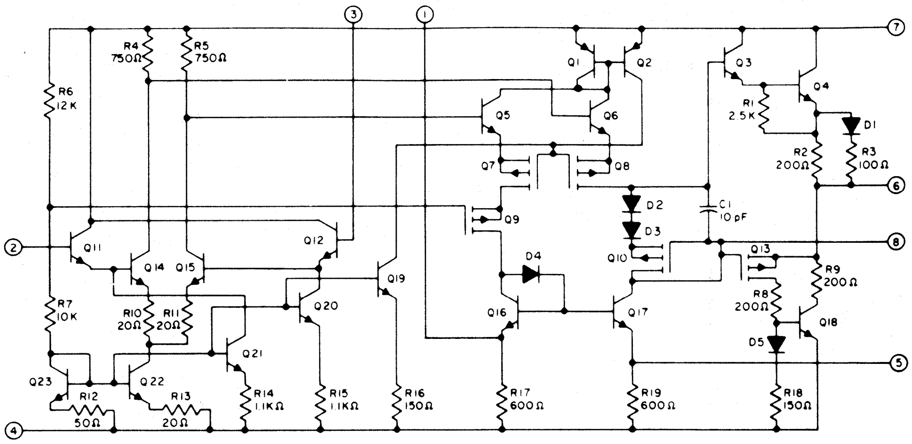
	PKG	INV INP	NON INV INP	OFFSET NULL 1	2	OUTP	V+	V-
A223	CN	2	3	1	5	6	7	4
	FP	10	1	4	7	5	6	3
	MP	3	12	6	10	8	9	5

A224

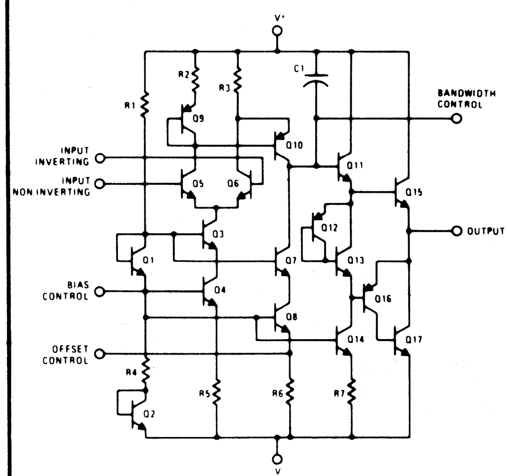


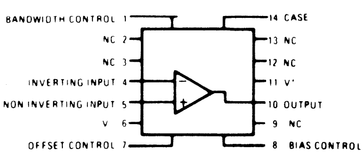


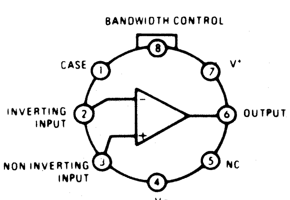
A225



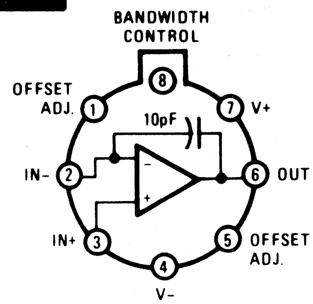
A226



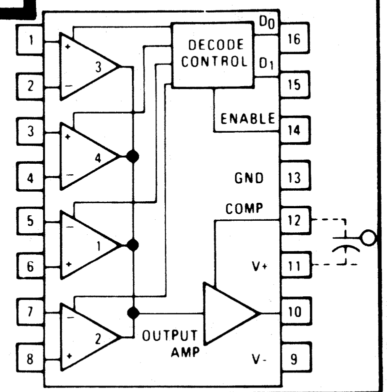




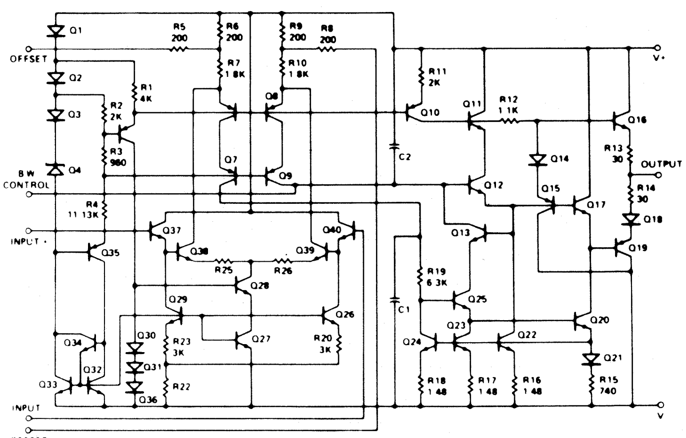
A228

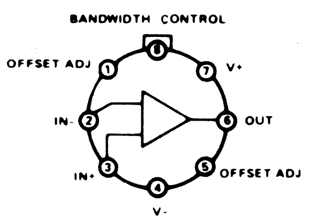


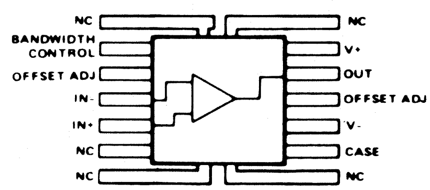
A230



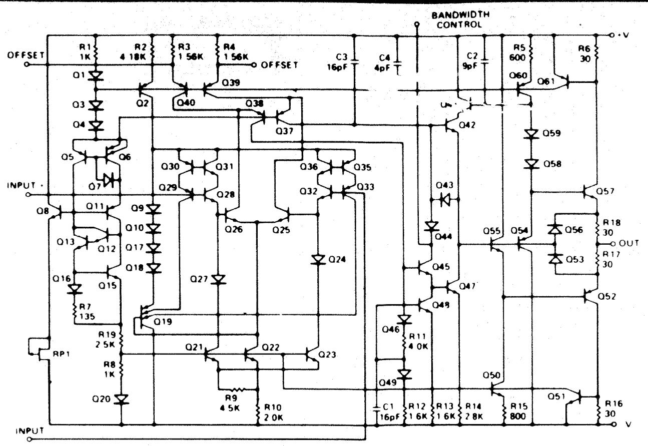
A231

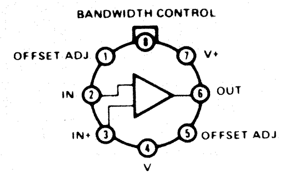


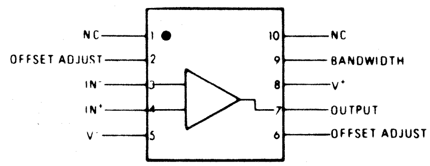




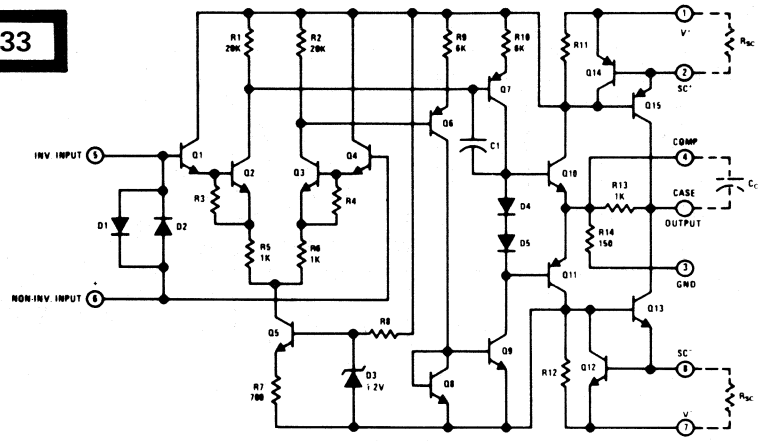
A232



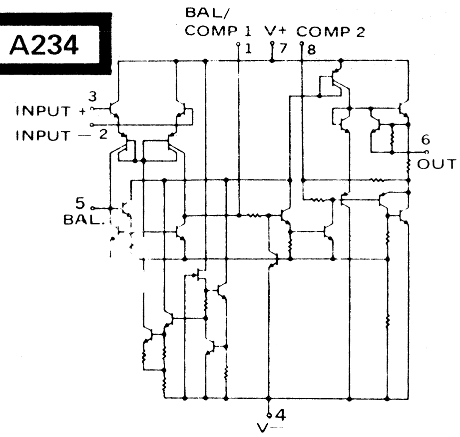




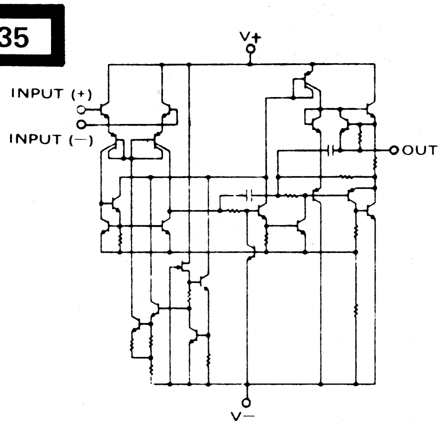
A233



A234

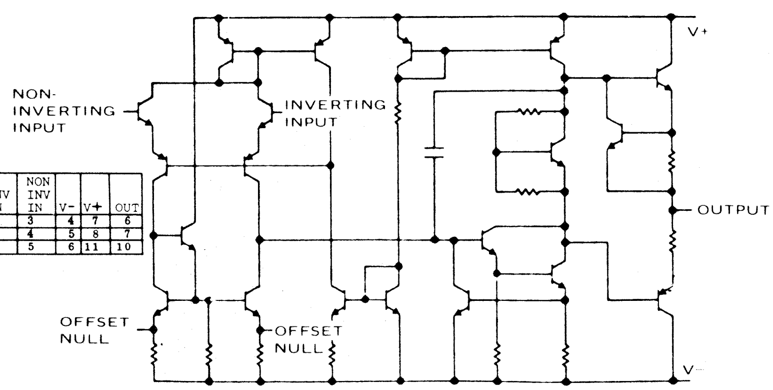


A235



	PKG	INPUTS −	INPUTS +	V−	V+	OUT
A235	CN, TO99	2	3	4	7	6
	FP	3	4	5	8	7
	MP(14) (pin)	4	5	6	11	10
	MP(8) (pin)	2	3	4	7	6

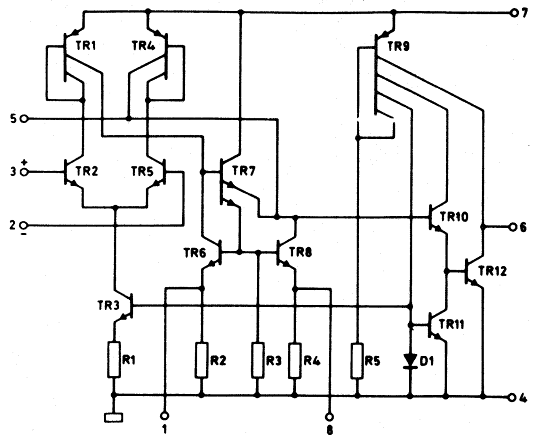
A236



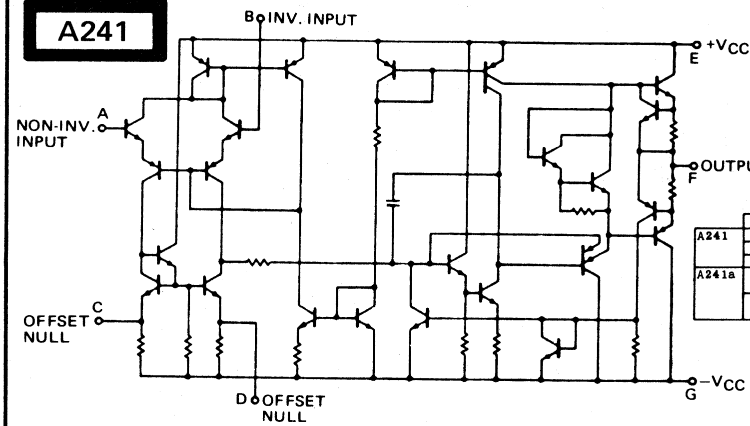
	PKG	OFF. NULL 1	NULL 2	INV IN	NON INV IN	V−	V+	OUT
A236	CN/MP	1	5	2	3	4	7	6
	FP	2	6	3	4	5	8	7
	MP	3	9	4	5	6	11	10

A237

1. Balance
2. Inverting input
3. Non -inverting input
4. Negative supply (V_N)
5. Frequency compensation
6. Output
7. Positive supply (Vp)
8. Balance

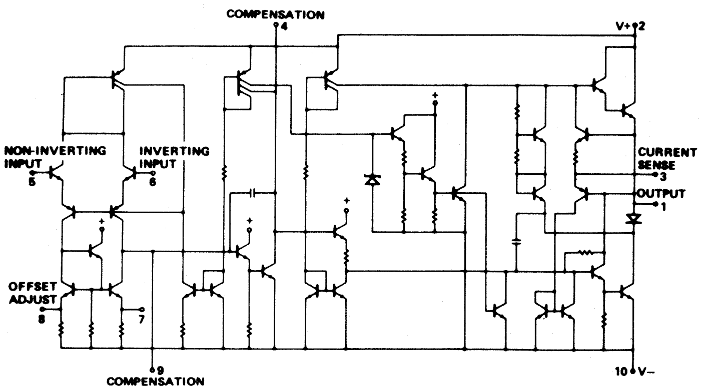


A241

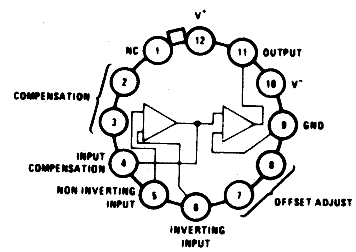


	PKG	CKT	A	B	C	D	E	F	G
A241	CN	1	3	2	1	5	7	6	4
	MP	1	5	4	3	9	11	10	6
	FP	1	4	3	2	6	8	7	5
A241a	MP	1	2	1	3	14	13	12	4
		2	6	7	5	8	9	10	4
	CN	1	4	3	NA	NA	2	1	5
		2	6	7	NA	NA	8	9	5

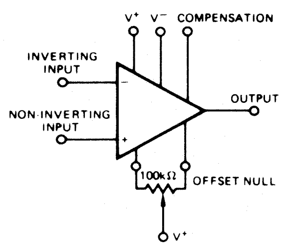
A242



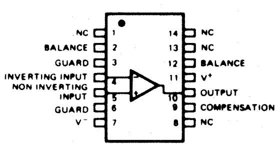
A243



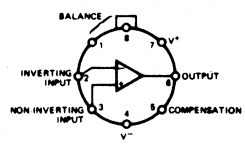
A244



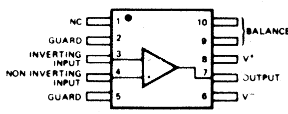
Dual-In-Line



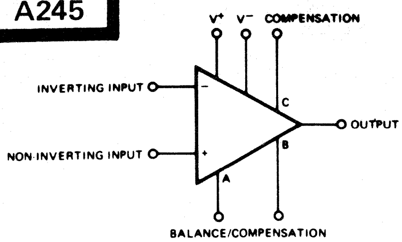
Metal Can



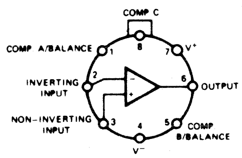
Flat Package



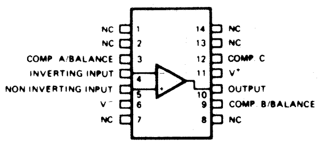
A245



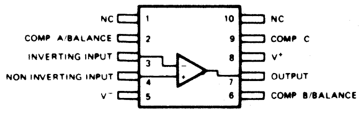
Metal Can



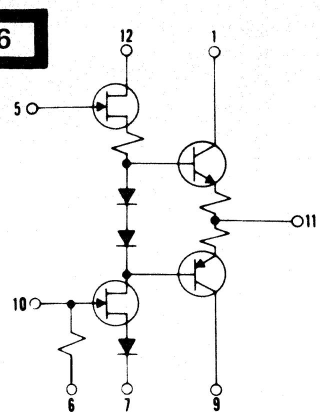
Dual-In-Line



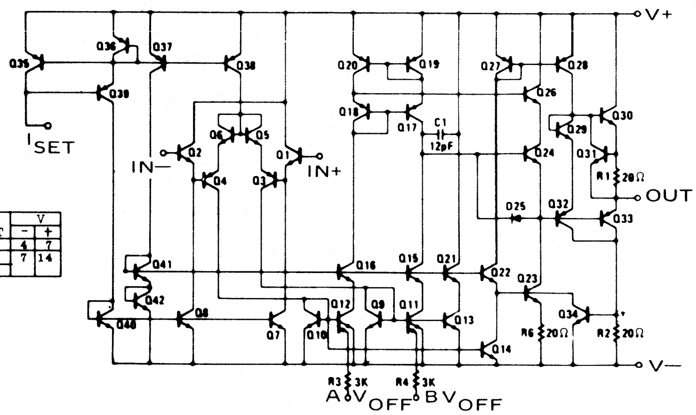
Flat Package



A246

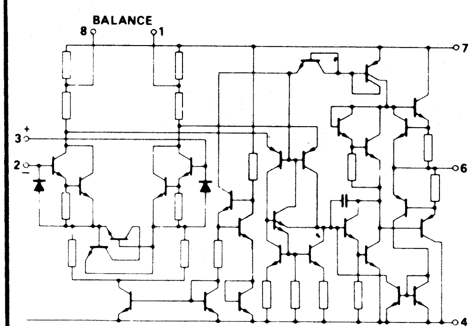


A249

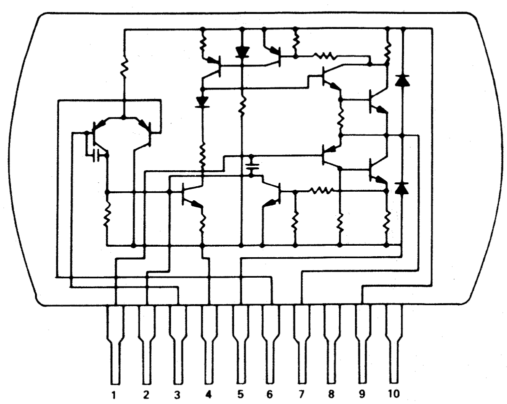


	CKT	ISET	IN		VOFF		OUT	V	
			−	+	A	B		−	+
A249	1	8	2	3	1	5	6	4	7
A249a	1	1	5	6	3	4	2	7	14
	2	13	8	9	10	11	12		

A250

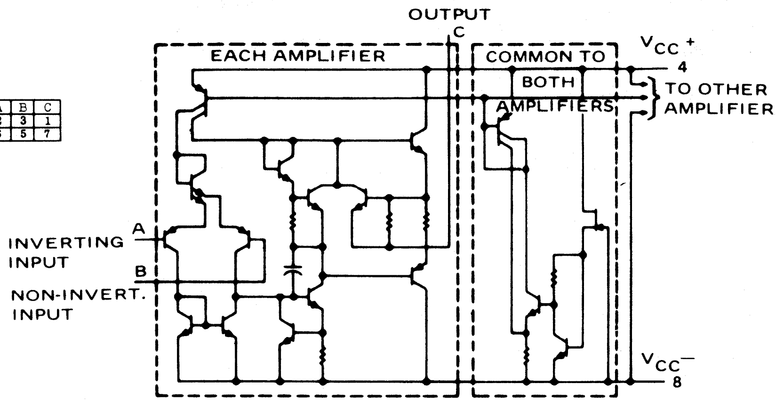


A251

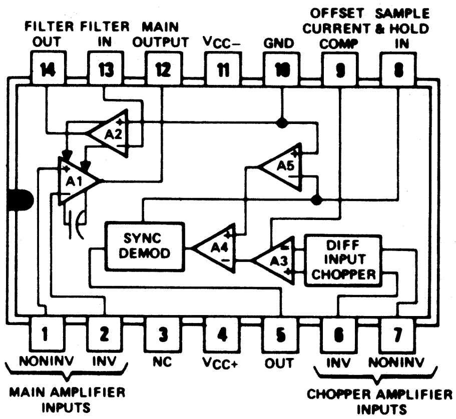


A252

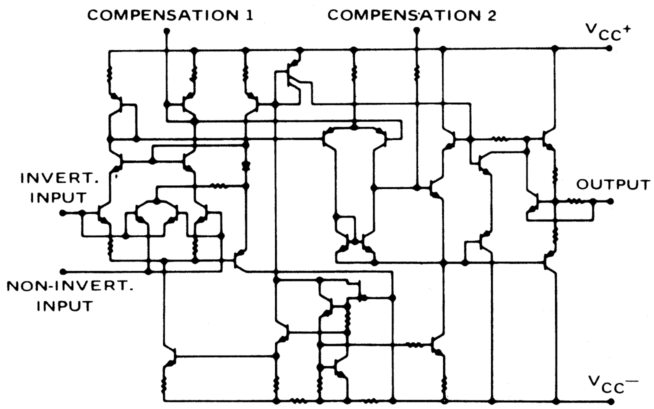
	CKT	A	B	C
A252	1	2	3	1
	2	6	5	7



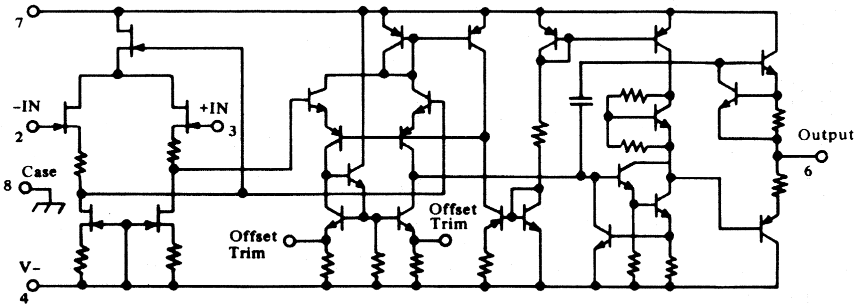
A253



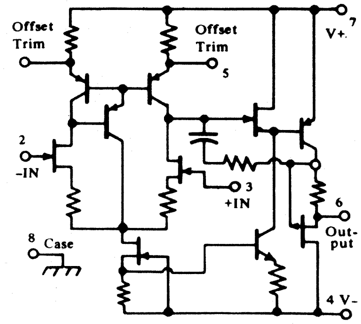
A254



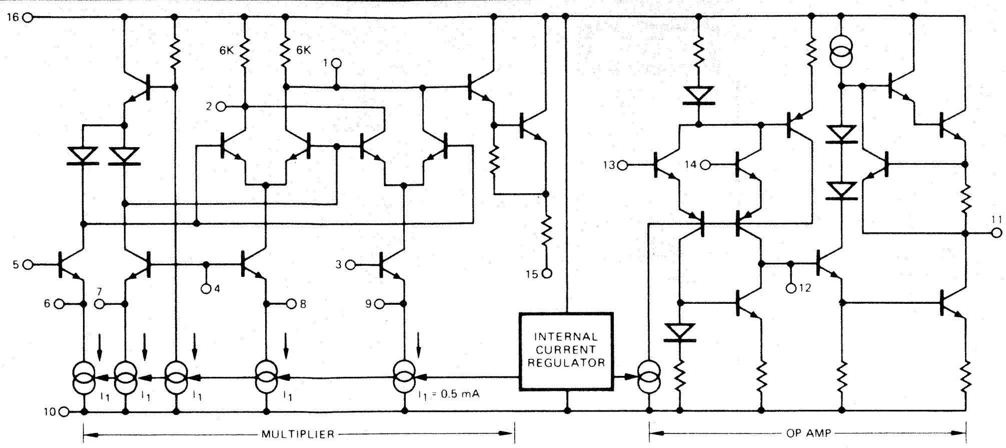
A255



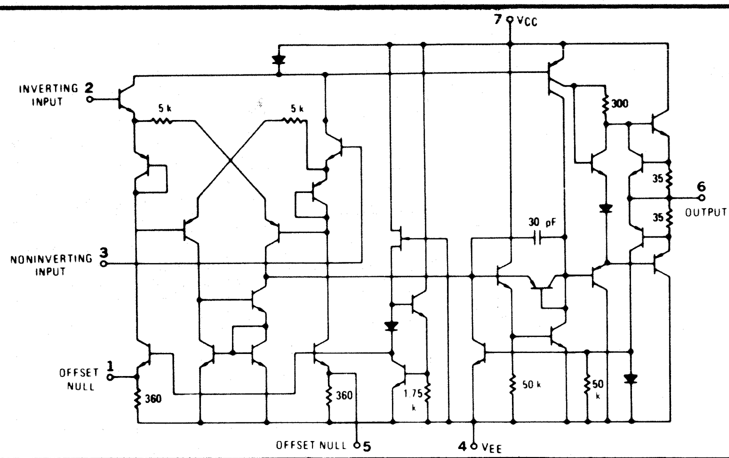
A256



A257

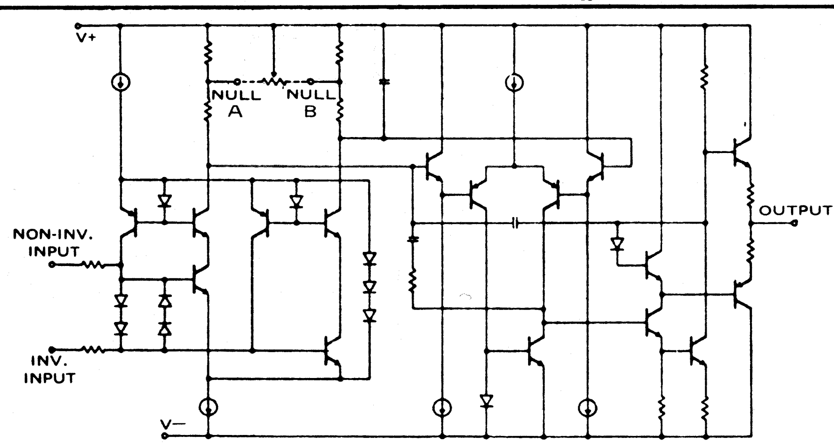


A259

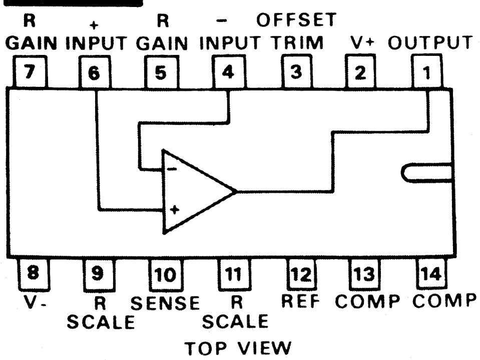


A261

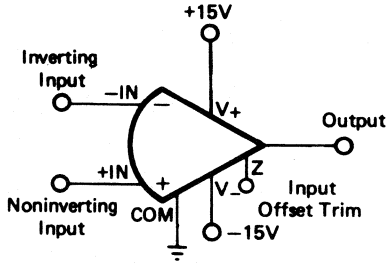
	CKT	PKG	INP		NULL		OUTP	V+	V-
			+	-	A	B			
A261	1	MP	4	3	1	2	13	14	12
	2		11	10	8	9	6	7	5
A261a	1	CN	3	2	8	1	6	7	4
		MP	5	4	3	12	10	11	6
		FP	4	3	2	9	7	8	5
A261b	1	MP	3	2	1	8	6	7	4



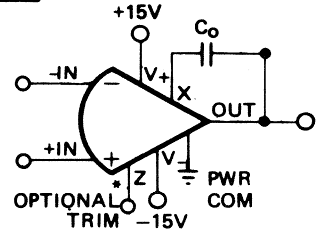
A264



A265

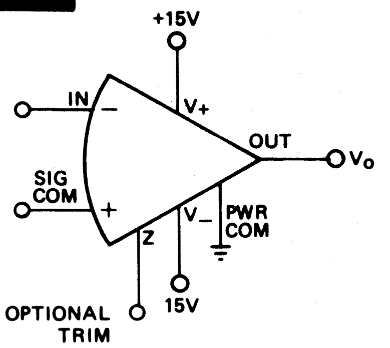


A266



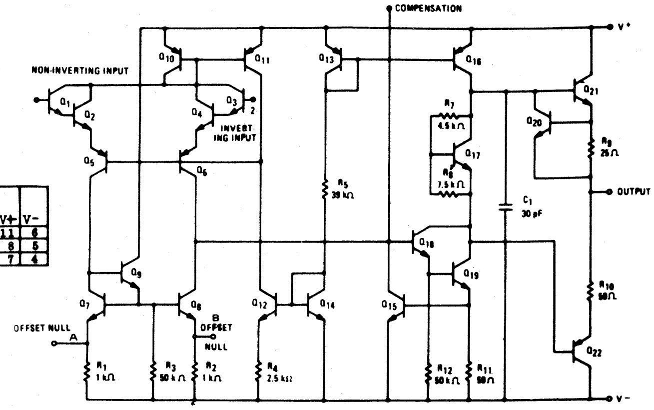
*Ground pin Z if external trim is not used.

A268

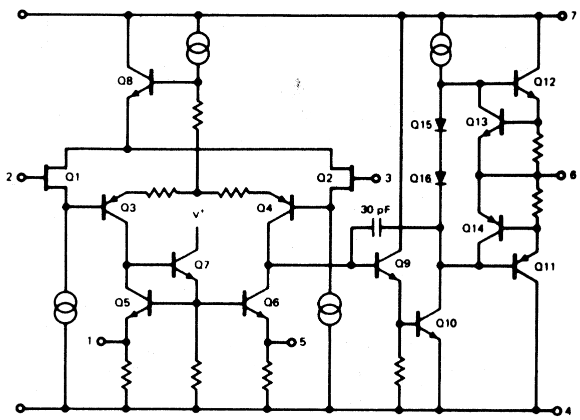


A269

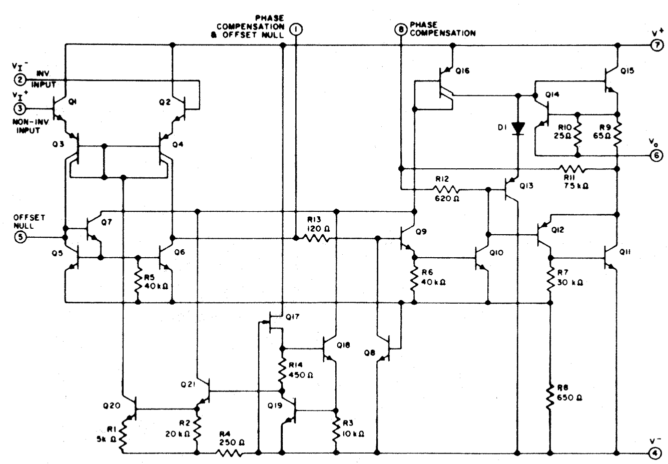
	PKG	INV INP	NON INV INP	OFFSET NULL A	OFFSET NULL B	COMP	OUTP	V+	V-
A269	MP	4	5	3	9	12	10	11	6
	FP	3	4	2	6	9	7	8	5
	CN	2	3	1	5	8	6	7	4



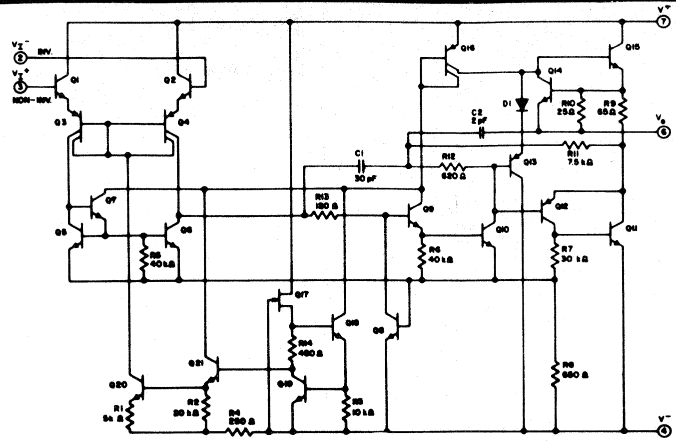
A270



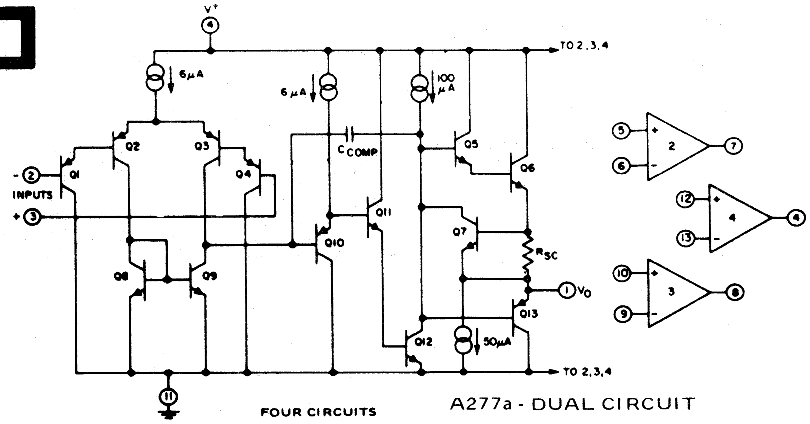
A275



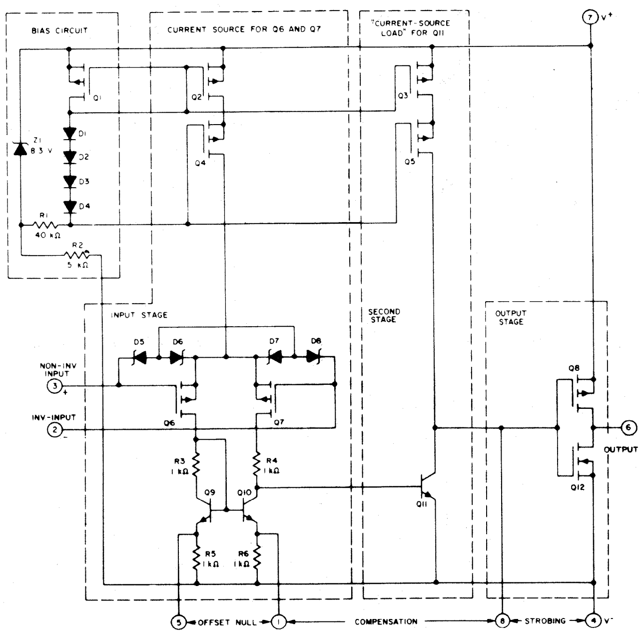
A276



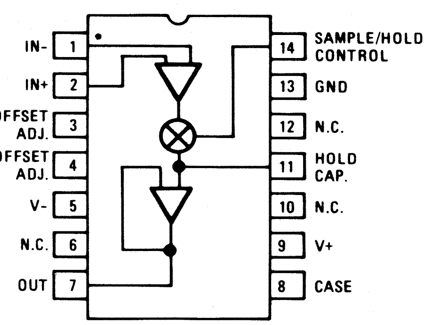
A277



A278



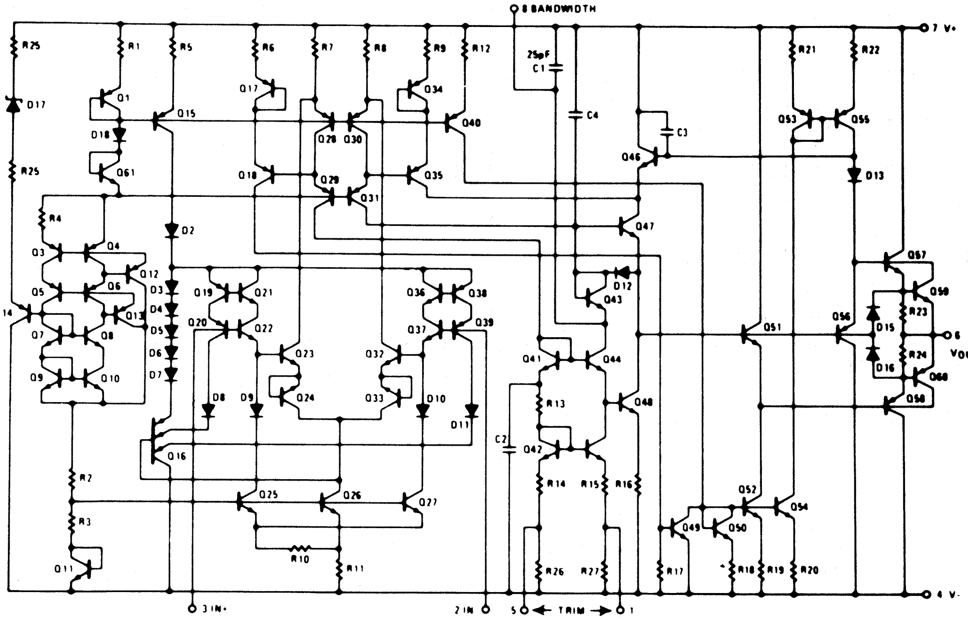
A279



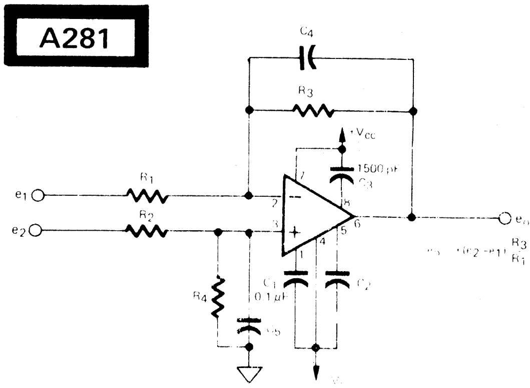
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

A280

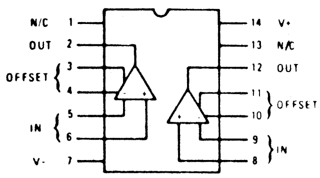


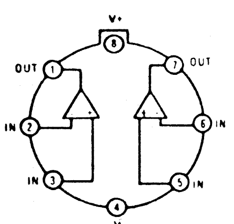
A281



PIN 1 Hold Capacitor
PIN 2 -In
PIN 3 +In
PIN 4 $-V_{CC}$
PIN 5 Hold Capacitor
PIN 6 Out
PIN 7 $+V_{CC}$
PIN 8 Timing Capacitor

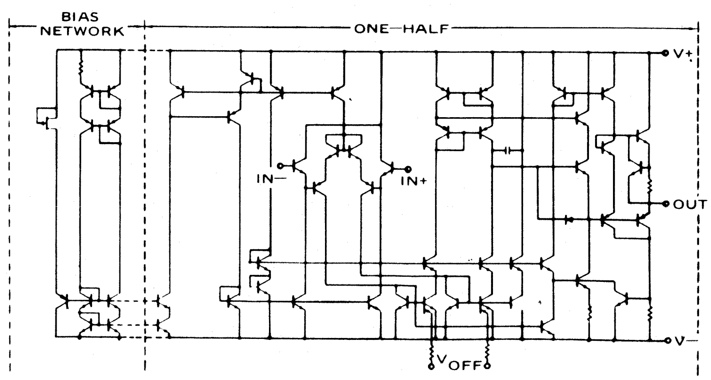
A283





NOTE: CASE CONNECTED TO V−.

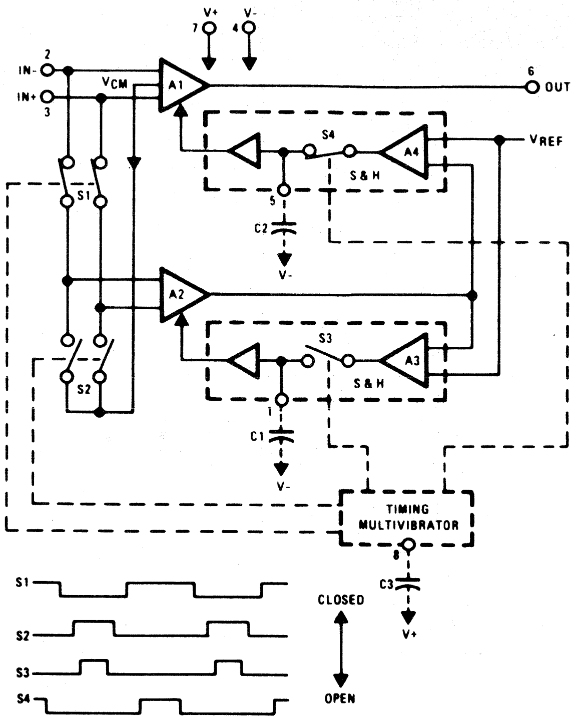
NOTE: BOTTOM OF PACKAGE IS CONNECTED TO V−.



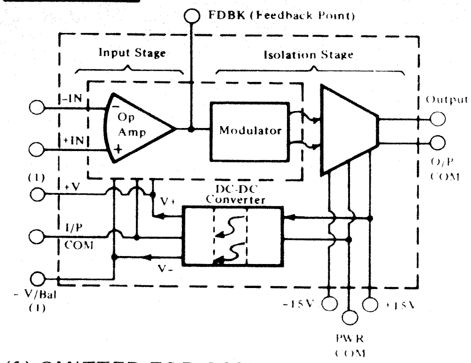
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

A284

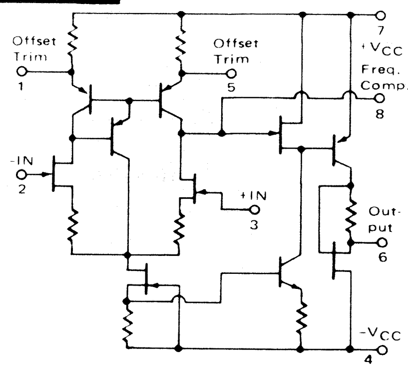


A285

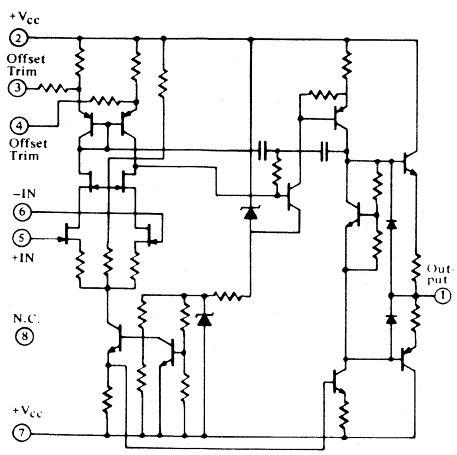


(1) OMITTED FOR A285a

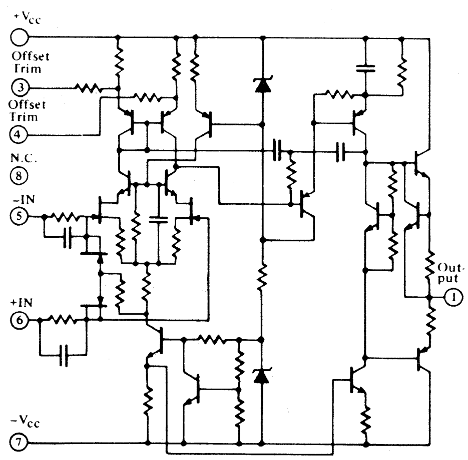
A286



A287

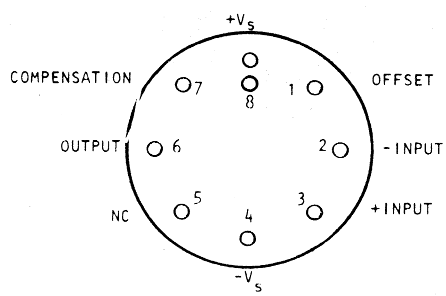


A288



A290

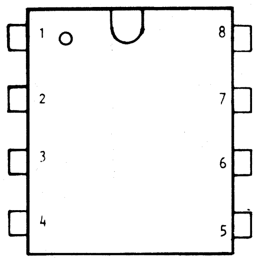
BOTTOM VIEW:



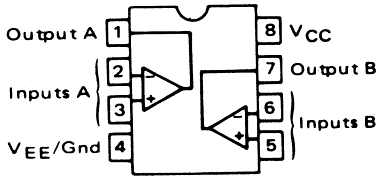
A291

	1	2	3	4	5	6	7	8
A291	NC	INV INPUT	NON-INV INP	-Vcc	BALANCE	OUT	+Vcc	NC
A291a	BALANCE	INV INPUT	NON-INV INP	-Vcc	BALANCE	OUT	+Vcc	NC
A291b	BAL/COMP	INV INPUT	NON-INV INP	-Vcc	BALANCE	OUT	+Vcc	COMP
A291c	INPUT COMP	INV INPUT	NON-INV INP	-Vcc	NC	OUT	+Vcc	OUT COMP
A291d	BAL/COMPA	INV INPUT	NON-INV INP	-Vcc	BAL/COMPB	OUT	+Vcc	COMP C

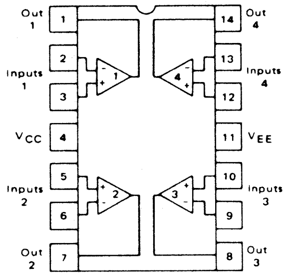
TOP VIEW

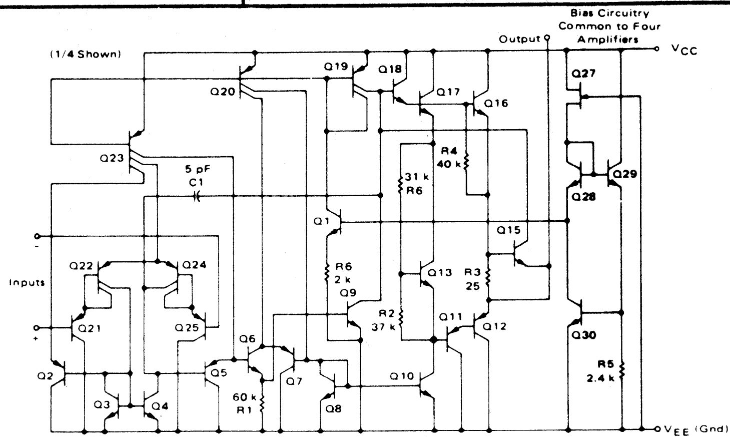


A292

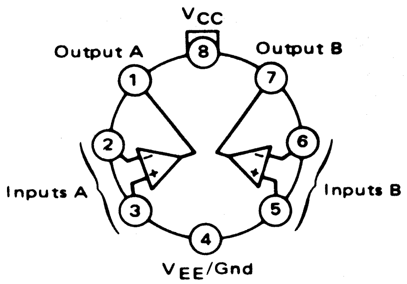


A292a

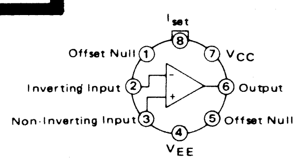


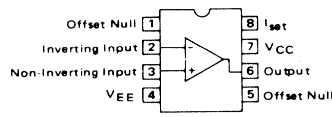


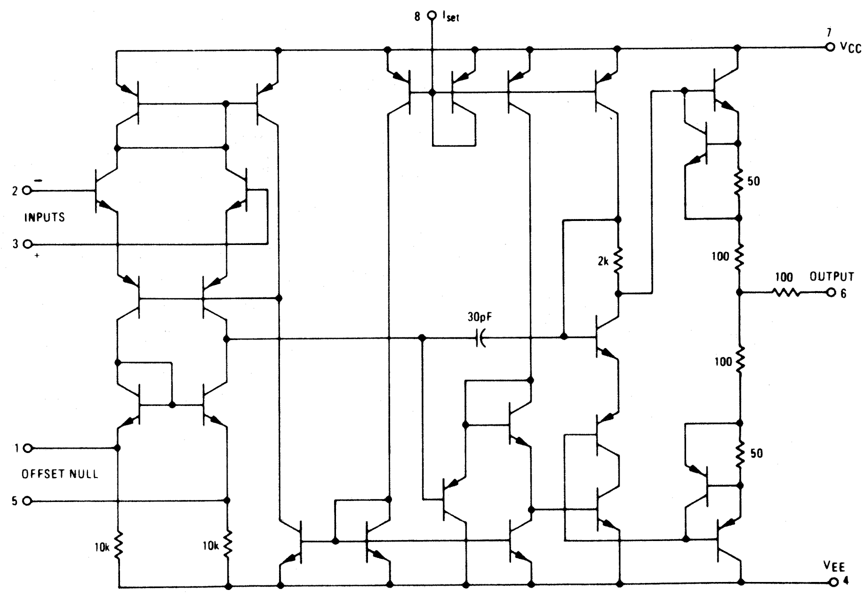
A292



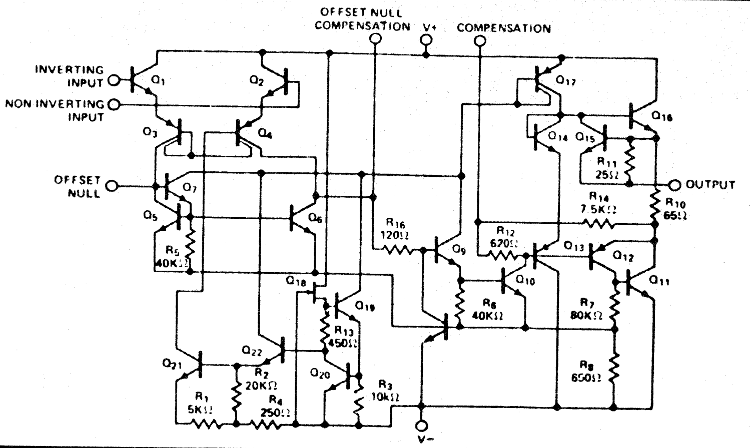
A293



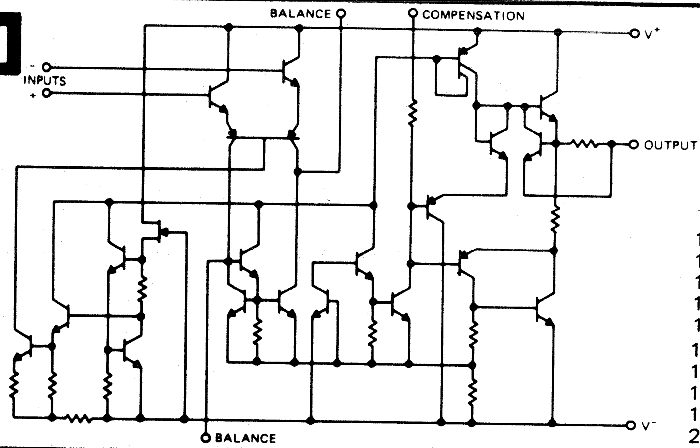




A297

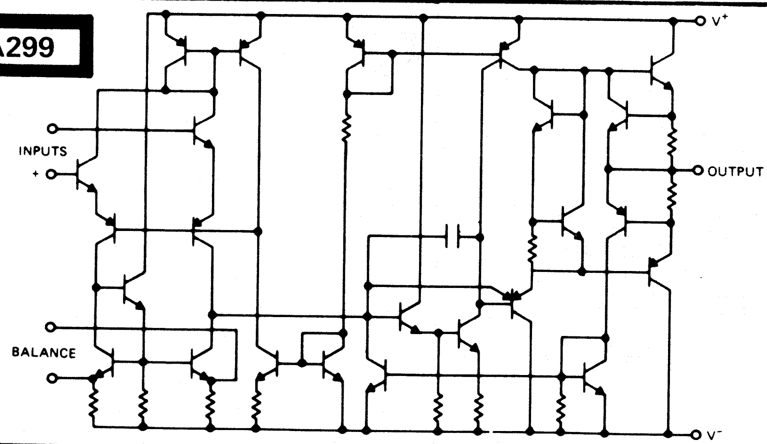


A298



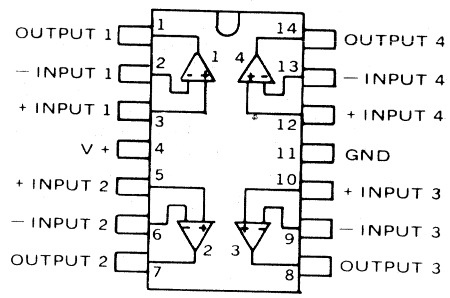
1. BAL
2. NC
3. OUTPUT
4. NC
5. NC
6. $+V_{CC}$
7. NC
8. NC
9. COMP
10. NC
11. COMP/BAL
12. NC
13. −INPUT
14. NC
15. NC
16. +INPUT
17. NC
18. NC
19. $-V_{CC}$
20. NC

A299



1. OFFSET NULL
2. NC
3. OUTPUT
4. NC
5. NC
6. $+V_{CC}$
7. NC
8. NC
9. NC
10. NC
11. OFFSET NULL
12. NC
13. −INPUT
14. NC
15. NC
16. +INPUT
17. NC
18. NC
19. $-V_{CC}$
20. NC

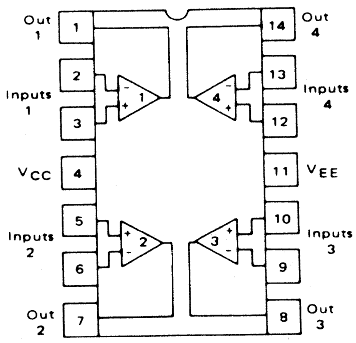
A300



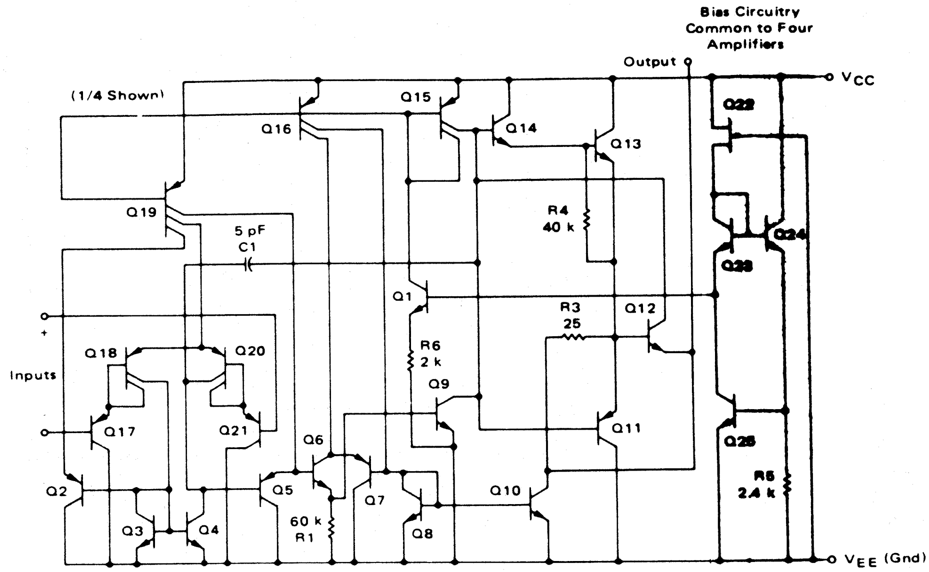
A307

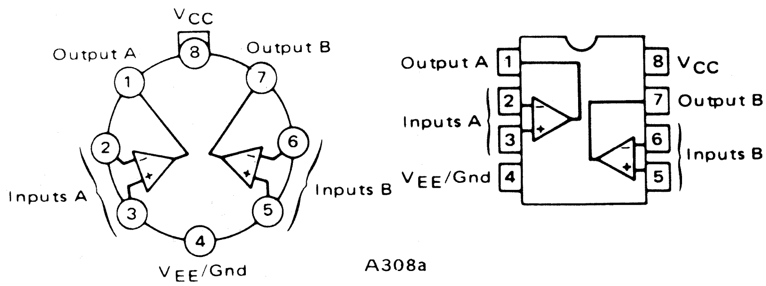
Pin	A307	A307 a	A307 b
1	Offset Adj.	NC	Comp.
2	IN −	IN −	IN −
3	IN +	IN +	IN +
4	−15V	−15V	−15V
5	Offset Adj.	Comp.	Comp.
6	OUT	OUT	OUT
7	+15V	+15V	+15V
8	Bandw. Cont.	GND	Comp.

A308



A308



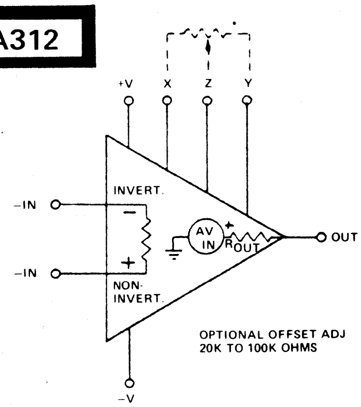


A308a

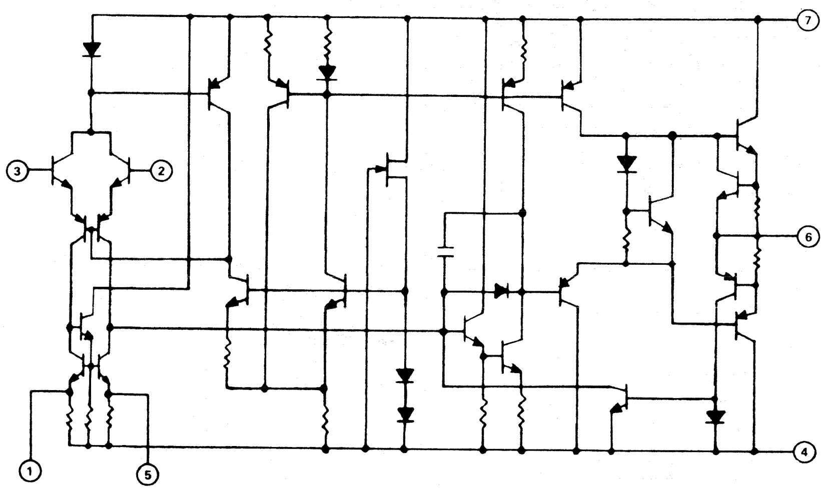
A309

LAND No.	FUNCTION
1	INV. INPUT A
2	NON-INV. INPUT A
3	OFFSET NULL A
4	V—
5	OFFSET NULL B
6	NON-INV. INPUT B
7	INV. INPUT B
8	OFFSET NULL B
9	V + B
10	OUTPUT B
11	NO CONNECTION
12	OUTPUT A
13	V + A
14	OFFSET NULL A

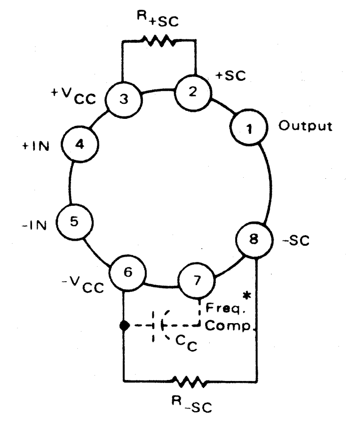
A312



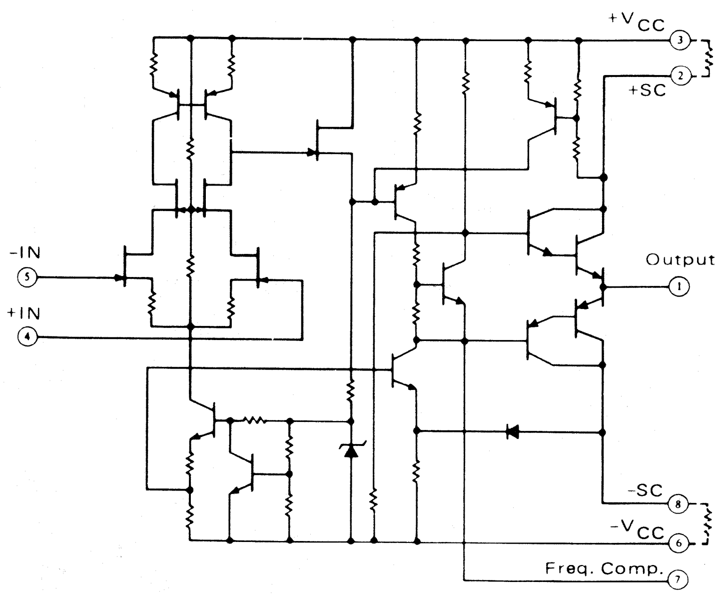
A313



A314

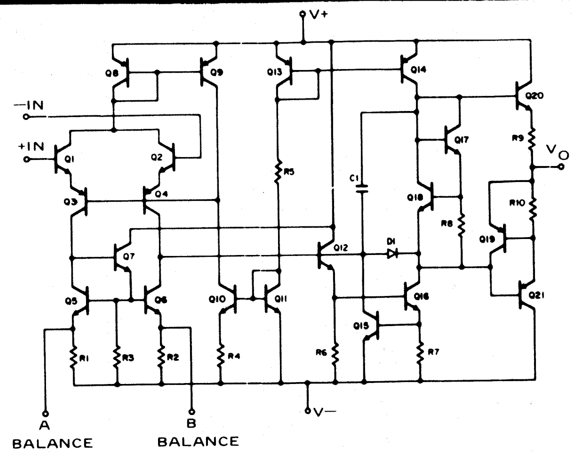


*C_C 1000 pF recommended.
Not required for gains above 10 V/V.

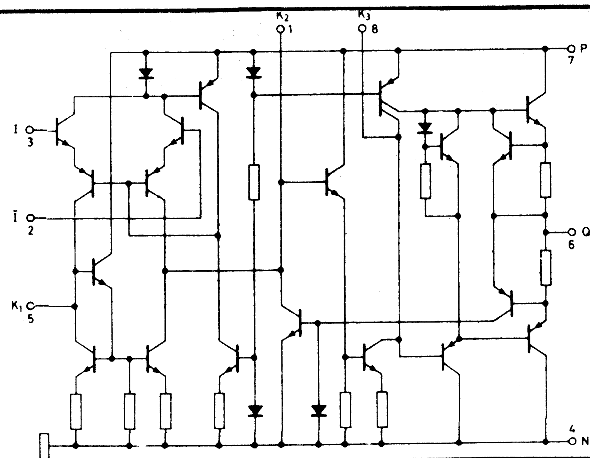


A315

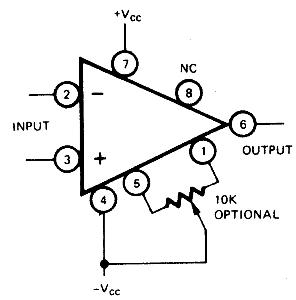
	CKT	PKG	INP +	INP -	BALANCE A	BALANCE B	OUTPUT	V+	V-
A315	1	CN	3	2	1	5	6	7	4
		MP	5	4	3	9	10	11	6
A315a	1	MP, FP	2	1	3	14	12	13	4
	2		6	7	5	8	10	9	
	1	CN	4	3	NA	NA	1	2	5
	2		6	7	NA	NA	9	8	
A315b	1	CN	3	2	NA	NA	1	8	4
	2		.5	6	NA	NA	7		



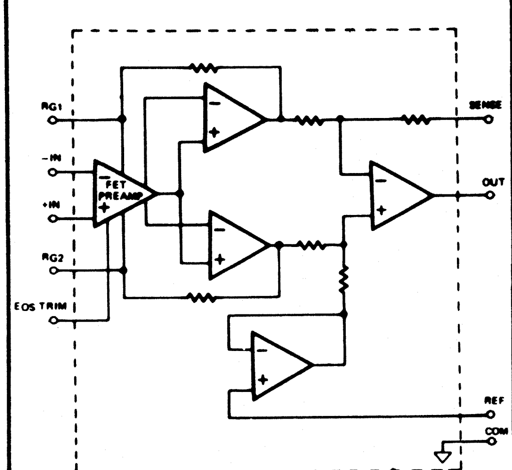
A316



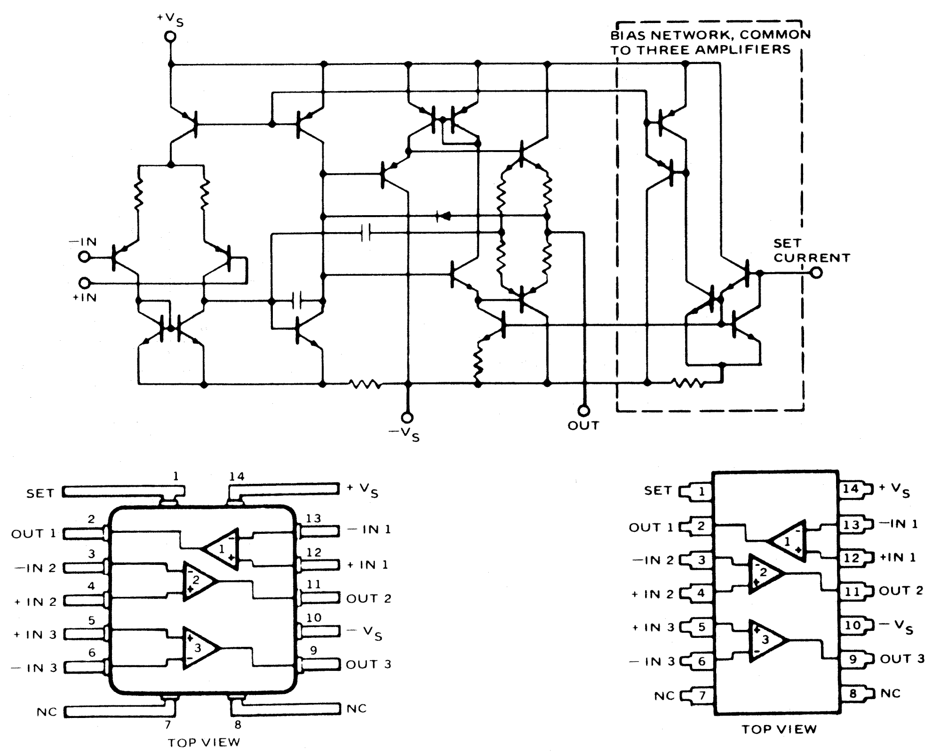
A317



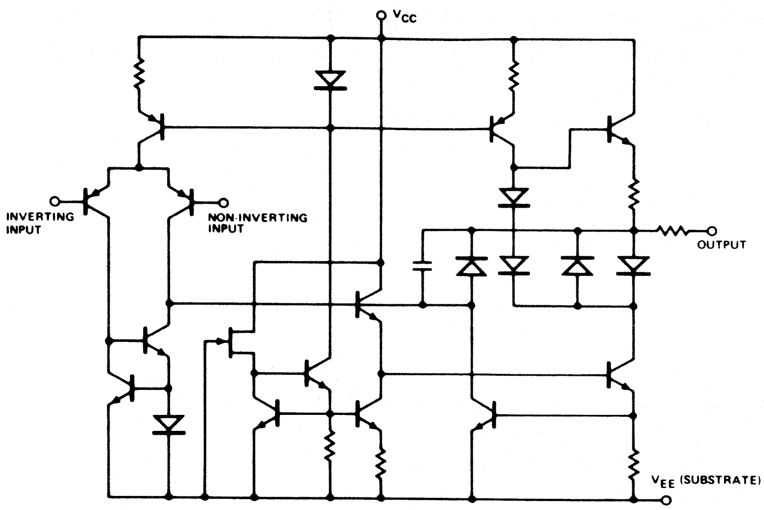
A318



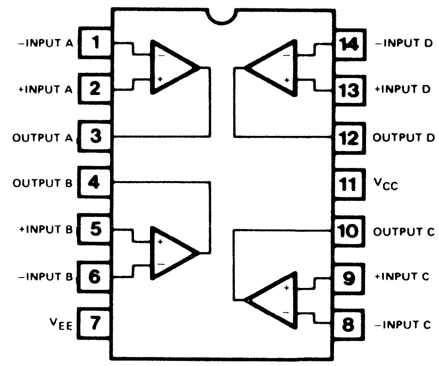
A321



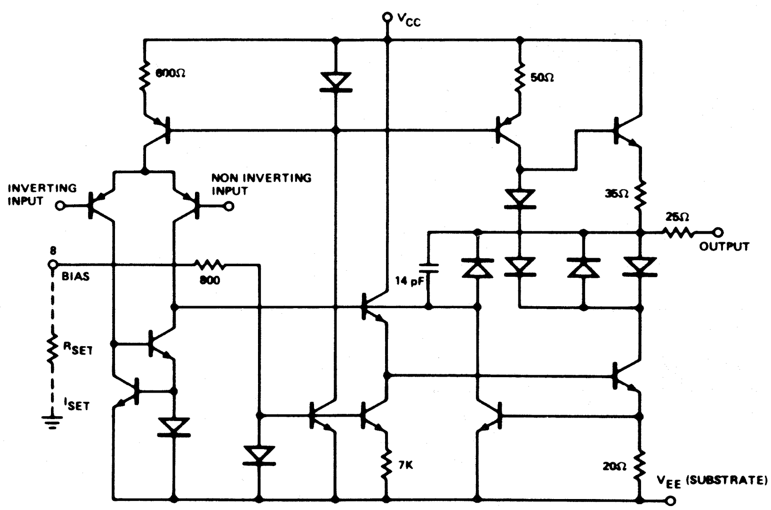
A322



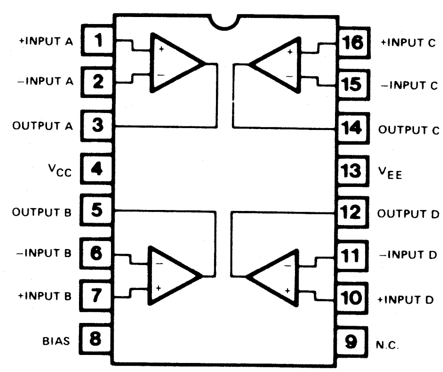
1/4 CIRCUIT



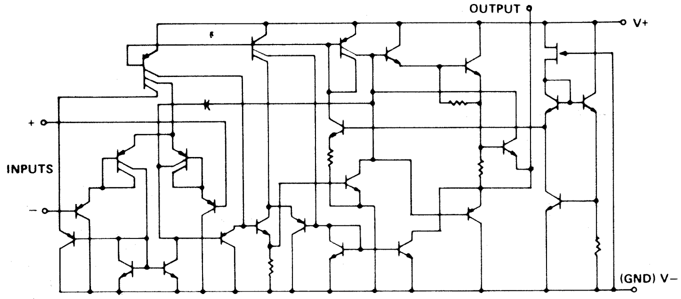
A323



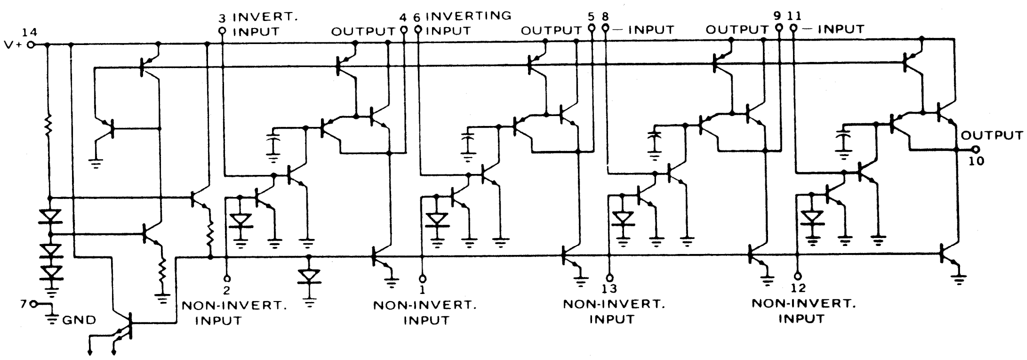
1/4 CIRCUIT



A324

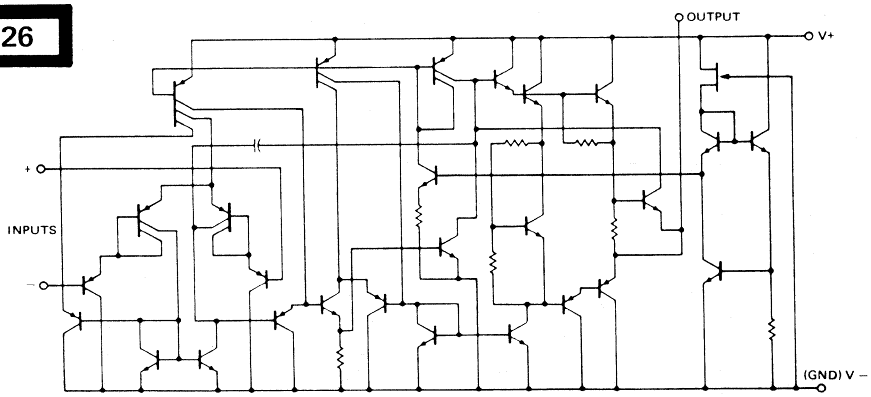


A325

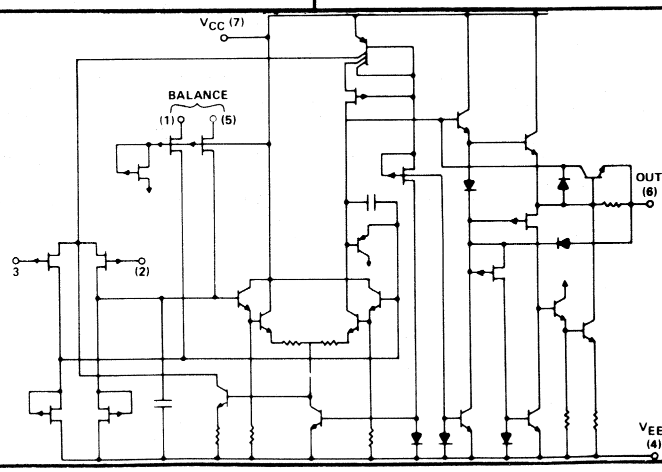


MULTIPLE EMITTER (8) TRANSISTOR — ONE EMITTER CONNECTED TO EACH INPUT.

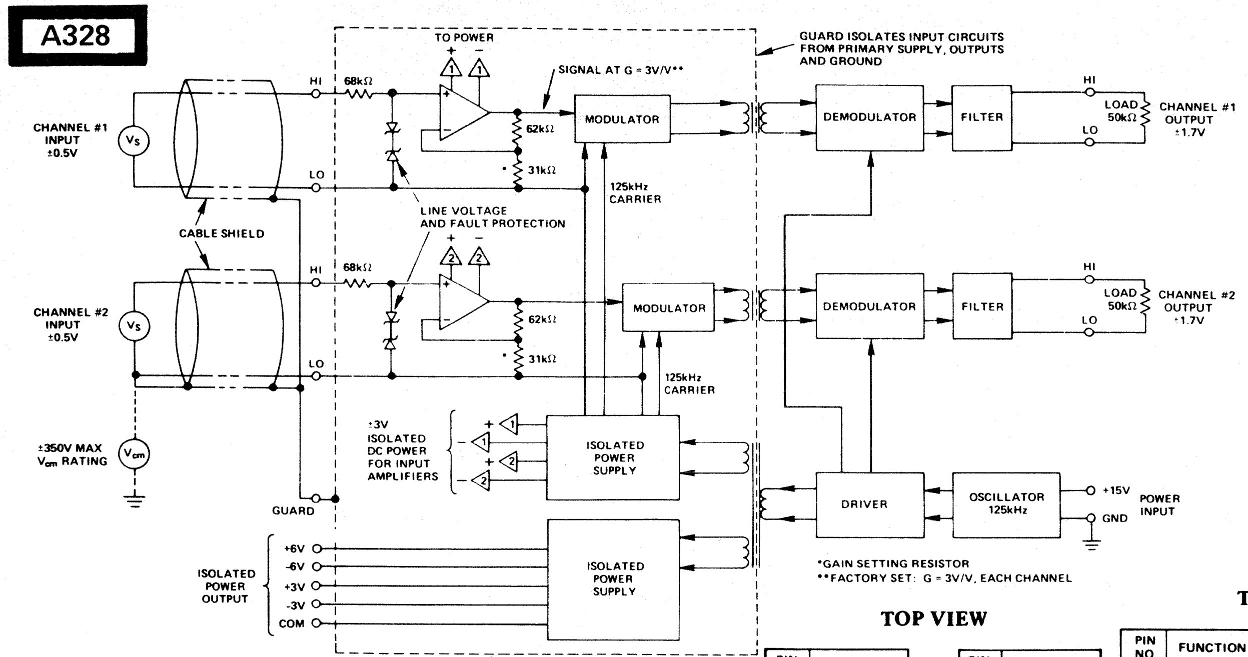
A326



A327



A328



TOP VIEW

PIN NO.	FUNCTION	
1	CH 1	LO
2	IN	HI
3	CH 2	LO
4	IN	HI
5	AUX COM	
6	-3V OUT	
7	+3V OUT	
8	+6V OUT	
9	-6V OUT	

PIN NO.	FUNCTION	
10	GUARD	
11	PWR COM	
12	+15V PWR	
13	EXT	ϕ
14	OSC	$\bar{\phi}$
15	CH 2	HI
16	OUT	LO
17	CH 1	HI
18	OUT	LO

A328: 2 CHANNELS

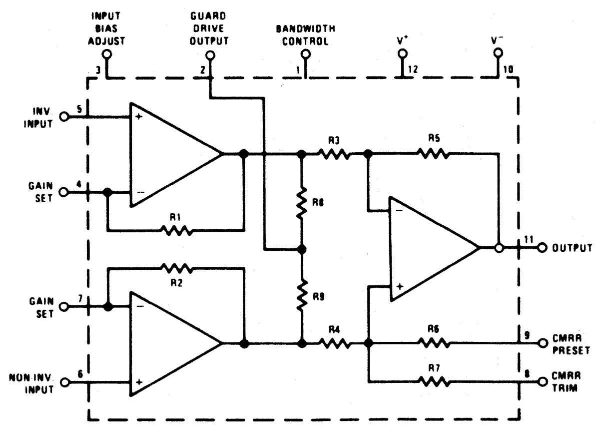
TOP VIEW

PIN NO.	FUNCTION	
1	CH 1	LO
2	IN	HI
3	CH 2	LO
4	IN	HI
5	CH 3	LO
6	IN	HI
7	AUX COM	
8	-3V OUT	
9	+3V OUT	
10	+6V OUT	
11	-6V OUT	

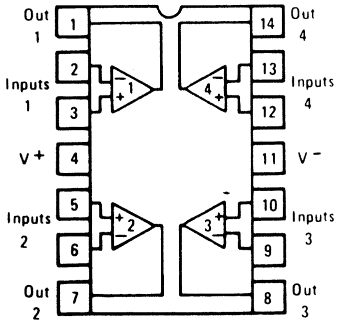
PIN NO.	FUNCTION	
12	GUARD	
13	PWR COM	
14	+15V PWR	
15	EXT	ϕ
16	OSC	$\bar{\phi}$
17	CH 3	HI
18	OUT	LO
19	CH 2	HI
20	OUT	LO
21	CH 1	HI
22	OUT	LO

A328a: 3 CHANNELS

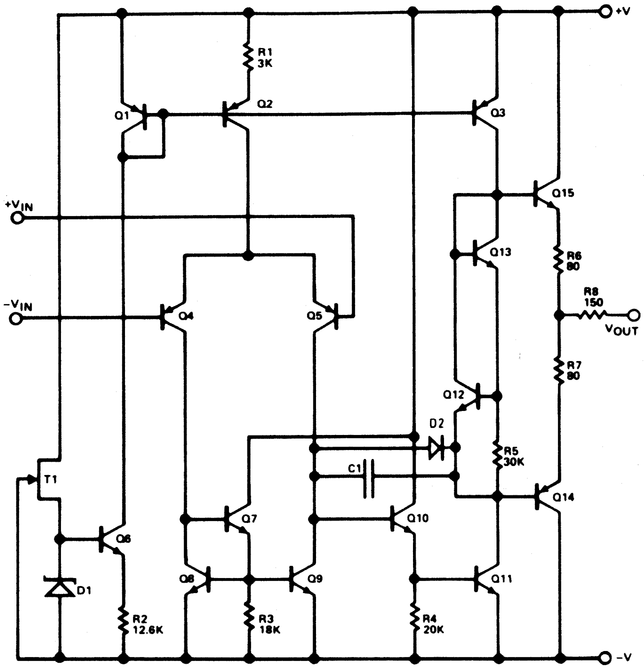
A329



A330

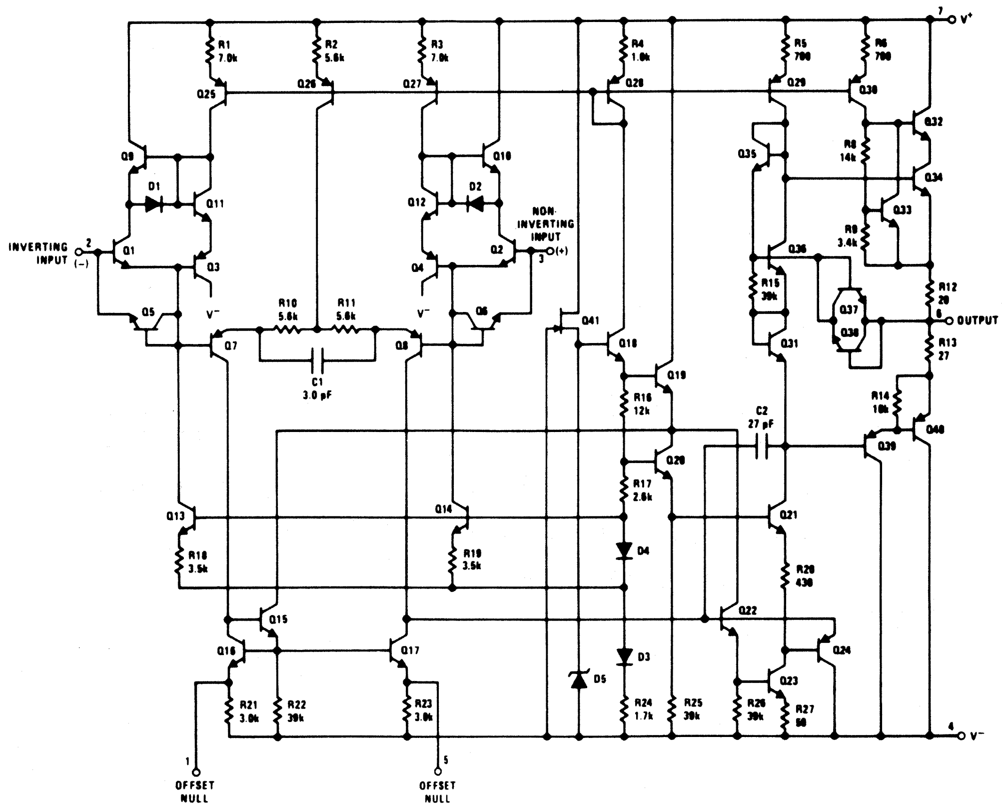


Out 1
Inputs 1
V+
Inputs 2
Out 2
Out 4
Inputs 4
V−
Inputs 3
Out 3
1
2
3
4
5
6
7
8
9
10
11
12
13
14



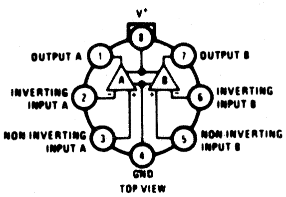
+V
−V
+VIN
−VIN
VOUT
R1 3K
R2 12.6K
R3 18K
R4 20K
R5 30K
R6 80
R7 80
R8 150
C1
D1
D2
T1
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15

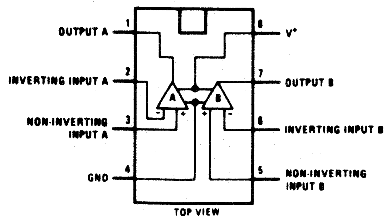
A331

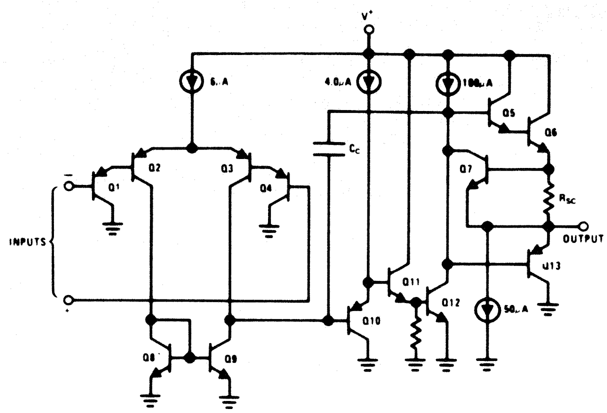


V+
V−
INVERTING INPUT (−)
NON-INVERTING INPUT (+)
OUTPUT
OFFSET NULL
OFFSET NULL
R1 7.0k
R2 5.6k
R3 7.0k
R4 1.0k
R10 5.6k
R11 5.6k
R16 12k
R17 2.6k
R20 430
R21 3.0k
R22 39k
R23 3.0k
R24 1.7k
R25 39k
R26 39k
R27 50
R12 20
R13 27
C1 3.0 pF
C2 27 pF
D1
D2
D3
D4
D5

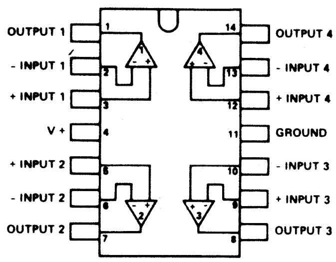
A332

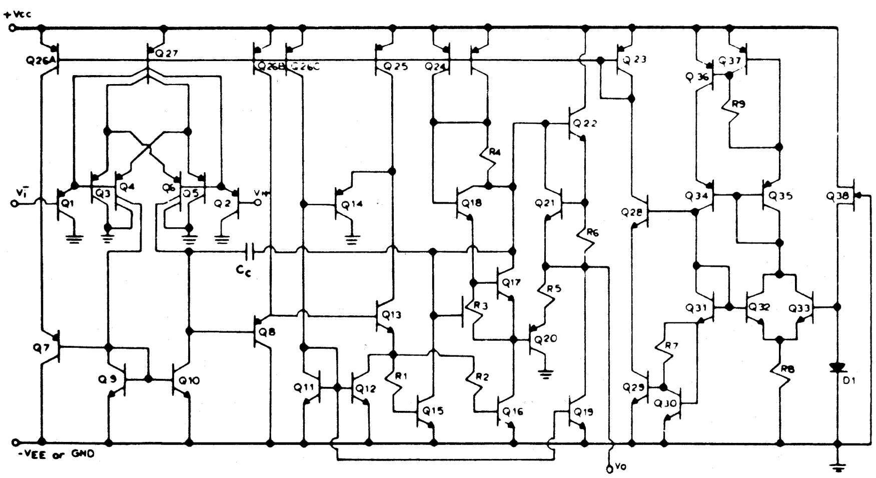




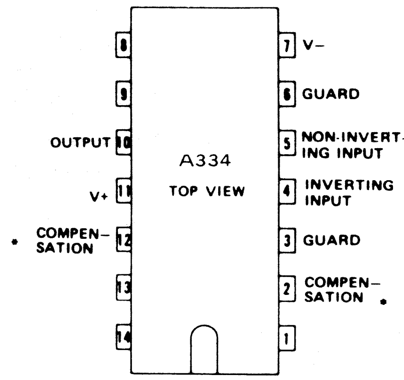


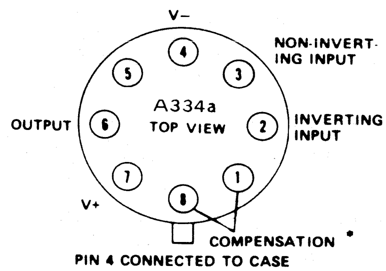
A333



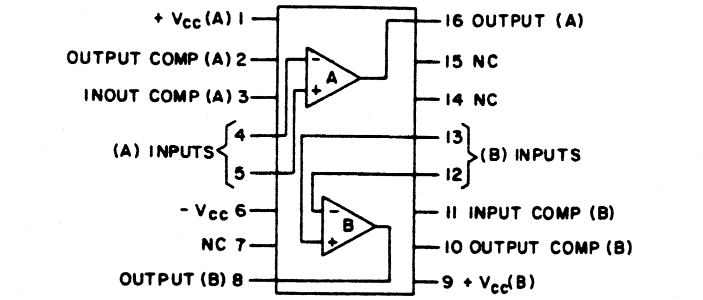


A334



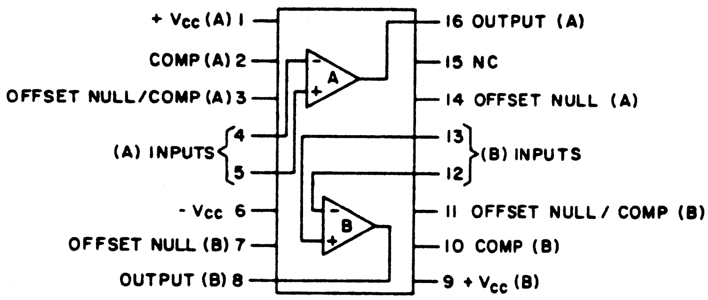


A335



16 LEAD FLAT-PACK AND DUAL-IN-LINE
(TOP VIEW)

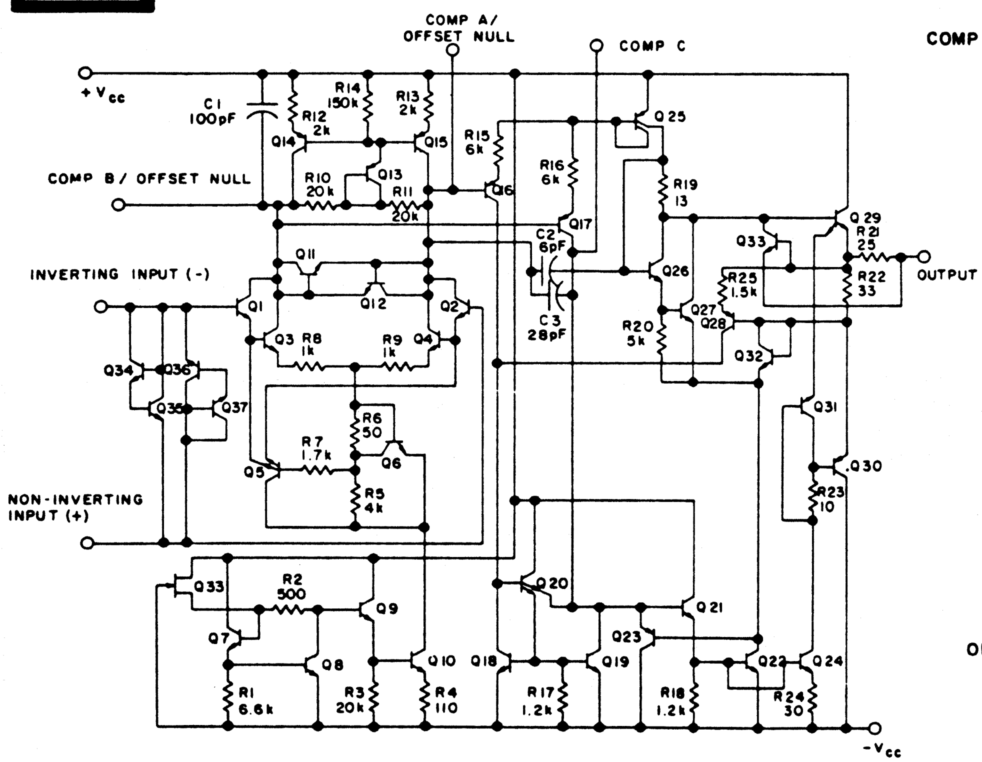
A335

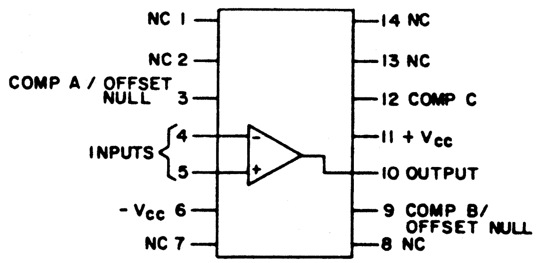


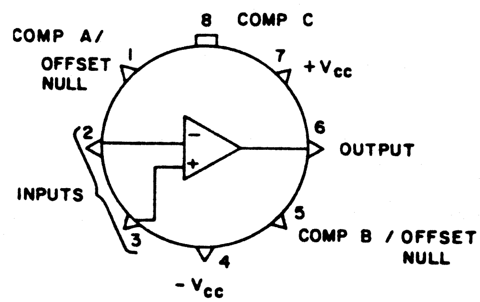
16 LEAD FLAT-PACK OR DUAL-IN-LINE
(TOP VIEW)

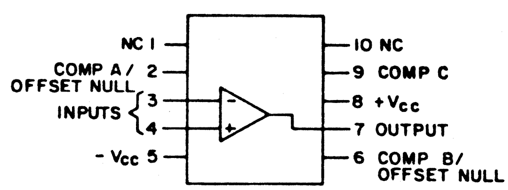
A335a

A336

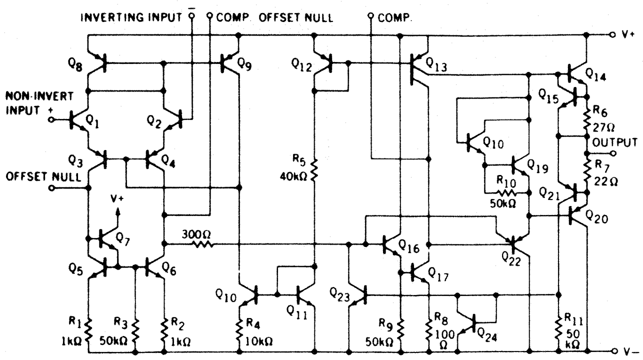




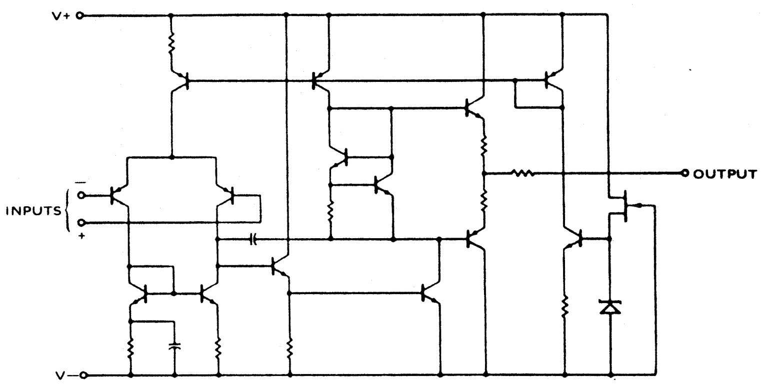




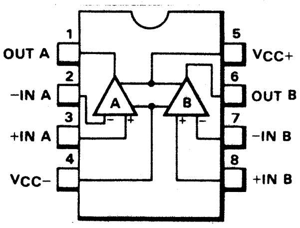
A337



A338

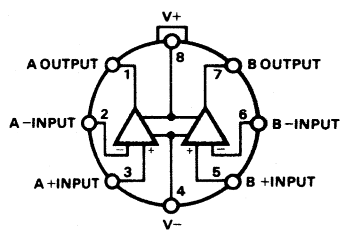


TOP VIEW



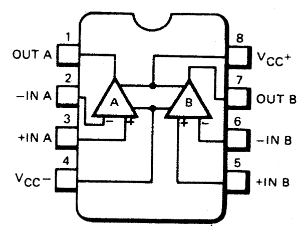
A338c

TOP VIEW



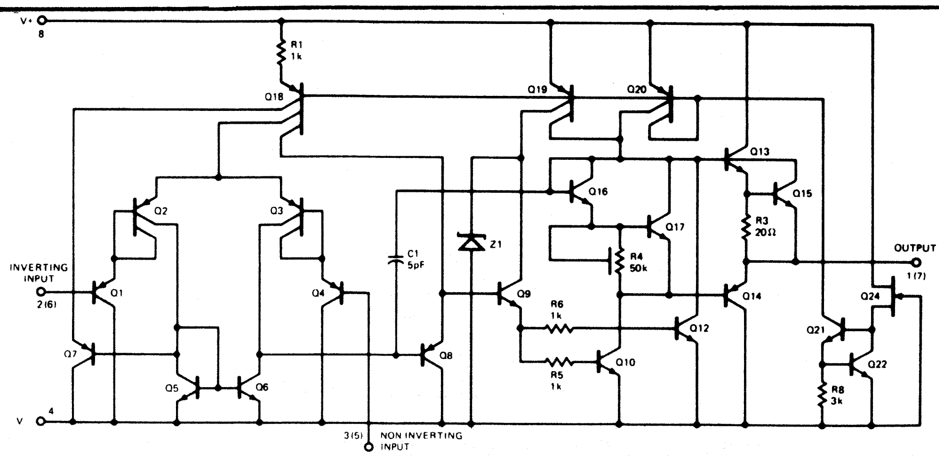
A338a

TOP VIEW

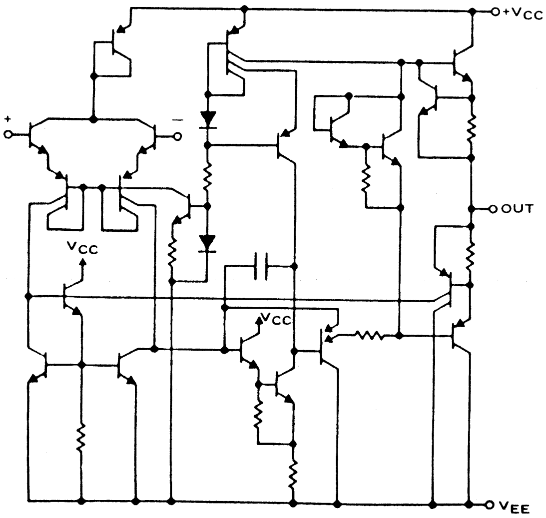


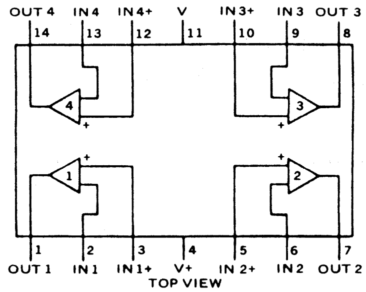
A338b

A339

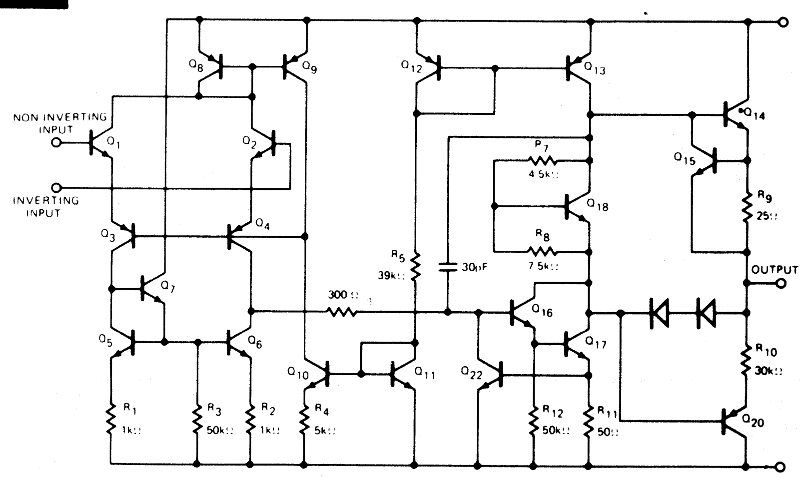


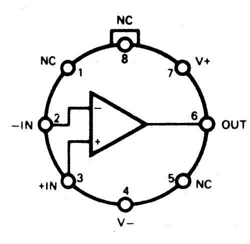
A341

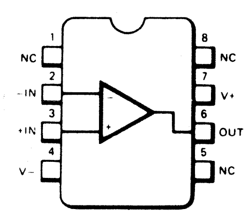




A342

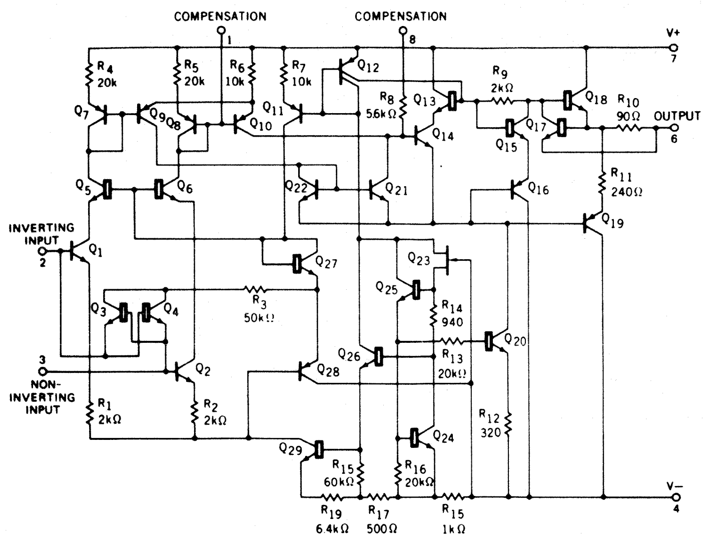




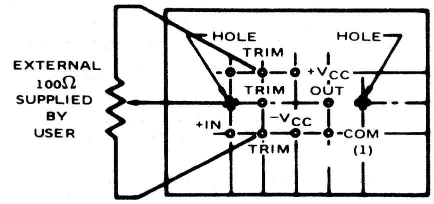


Note: Pin 4 connected to case.

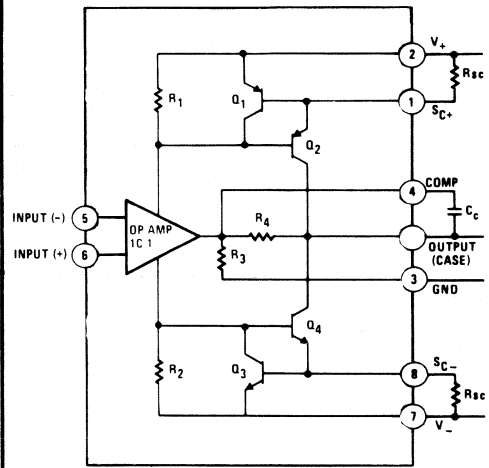
A343



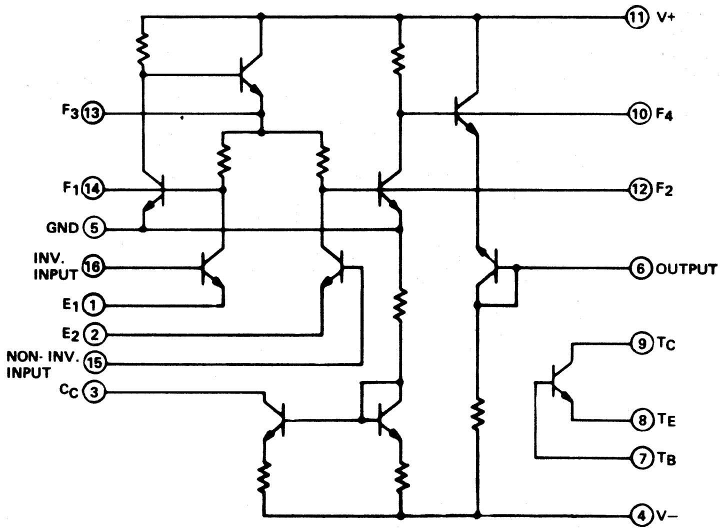
A344



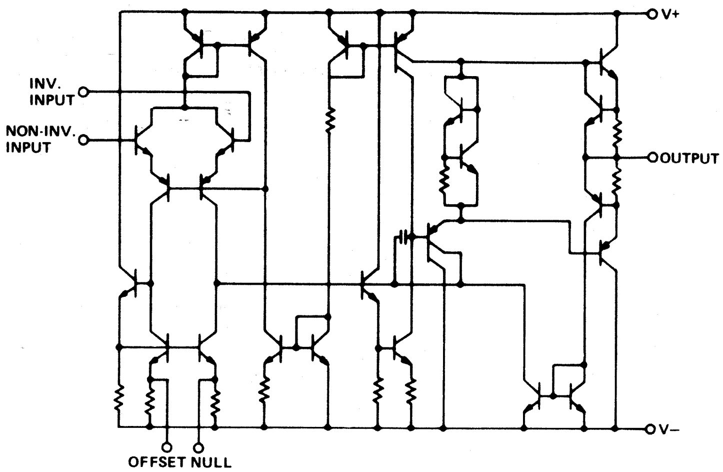
A345



A346

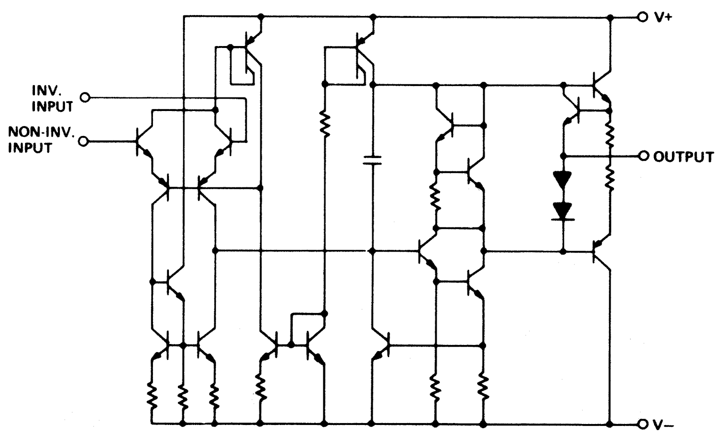


A347



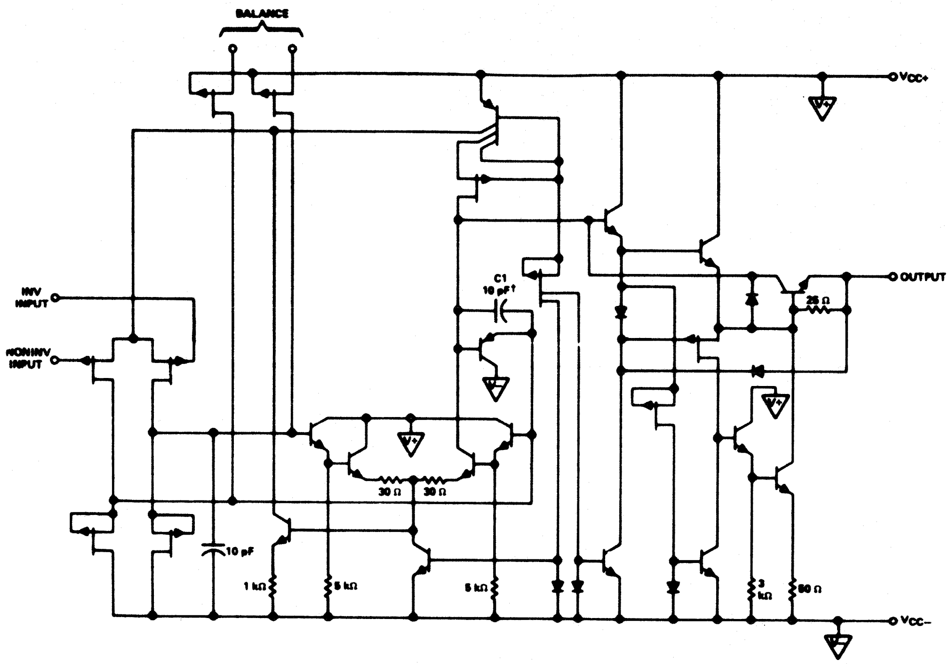
	PKG	CKT	V+	V-	INPUT INV.	INPUT NON INV.	OFFSET NULL 1	OFFSET NULL 2	OUTPUT
A347	MP	1	11	6	4	5	3	9	10
	TO78	1	7	4	2	3	1	5	6
A347a	MP	1	7	4	2	3	1	5	6

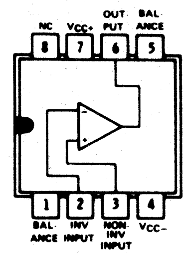
A348



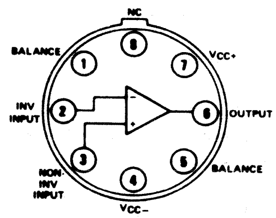
	PKG	CKT	V+	V-	INPUT INV.	INPUT NON INV.	OFFSET NULL 1	OFFSET NULL 2	OUTPUT
A348	MP or TO78	1	8	4	2	3			1
		2	8	4	6	5			7
A348a	MP	1	13	4	1	2	3	14	12
		2	9		7	6	5	8	10
	CN	1	2	5	3	4			1
		2	8		7	6			9

A349





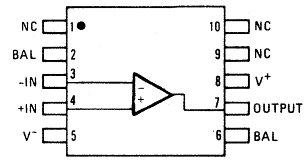
A349



PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE

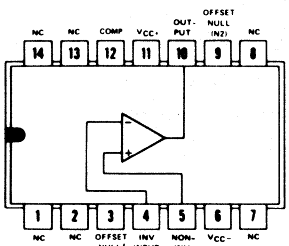
A349a

(Top View)

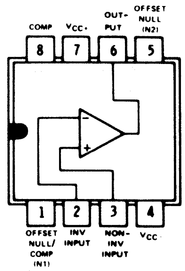


A349b

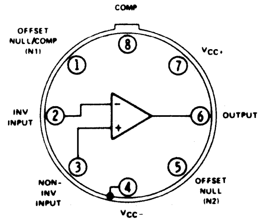
A351



A351

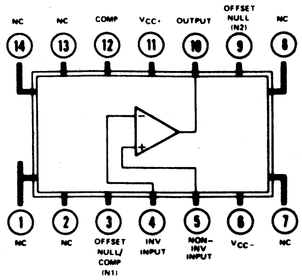


A351a



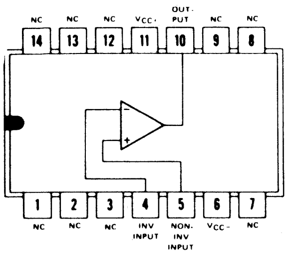
PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE

A351b



A351c

A352



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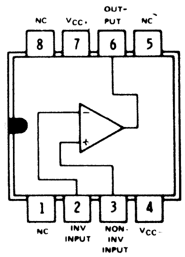
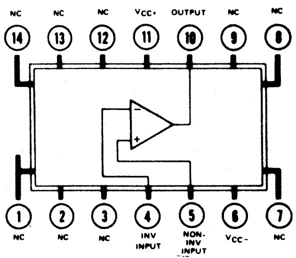
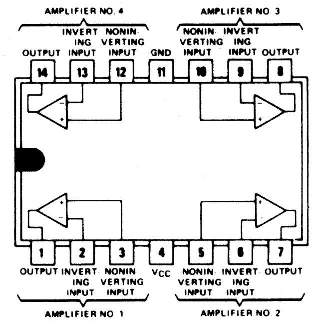


A352a

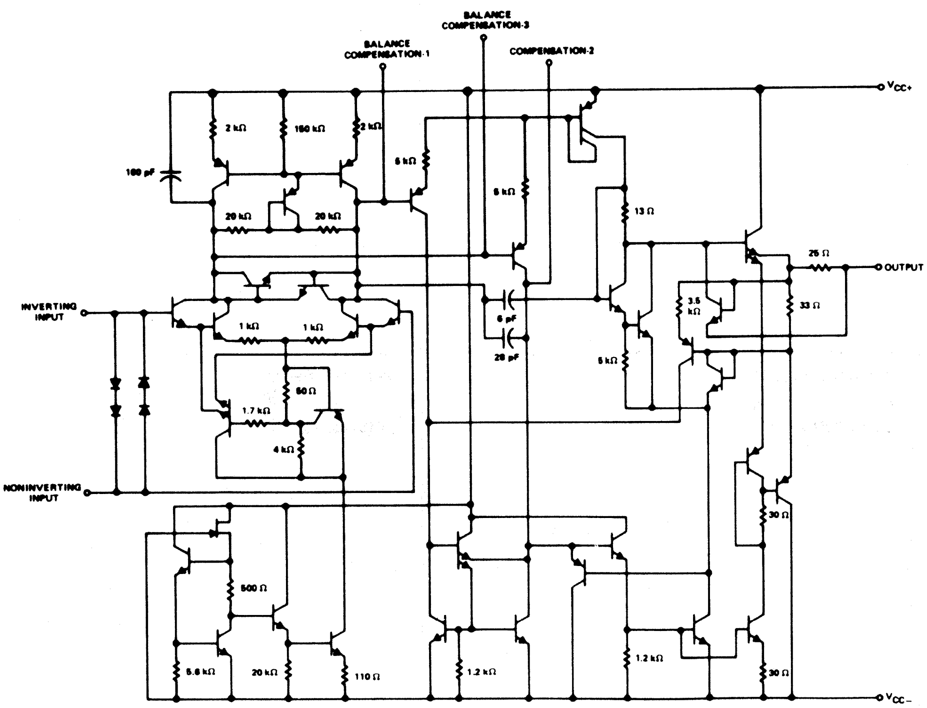


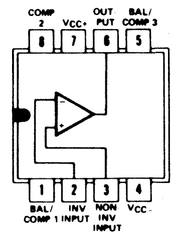
A352b

A353

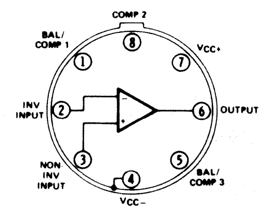


A354

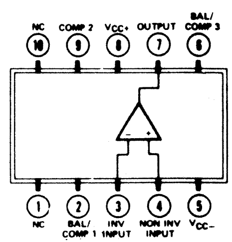




A354

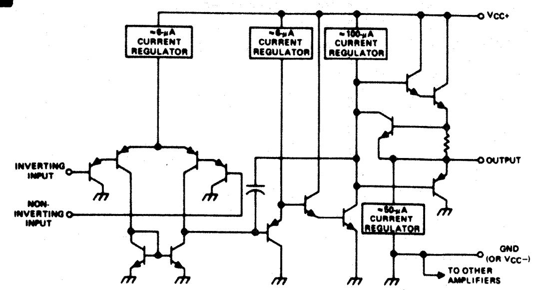


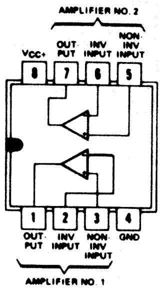
A354a



A354b

A355





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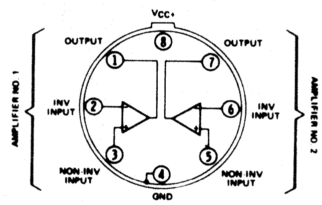
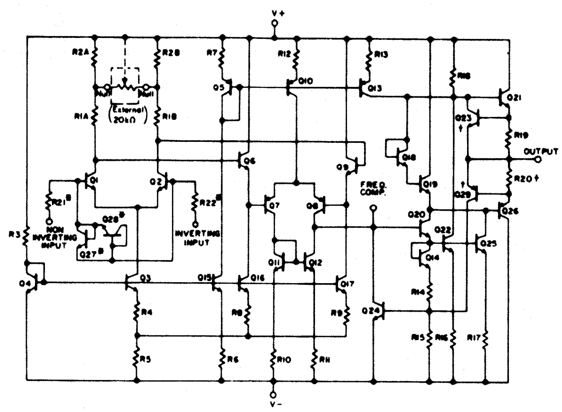
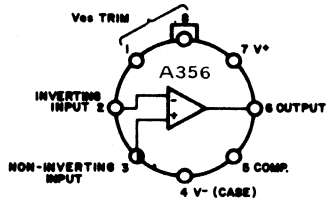


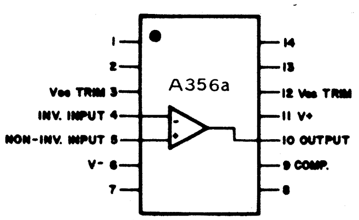
PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE.

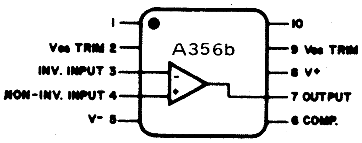
A355a

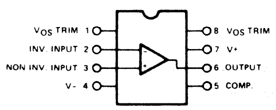
A356





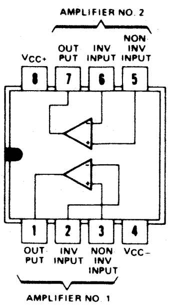


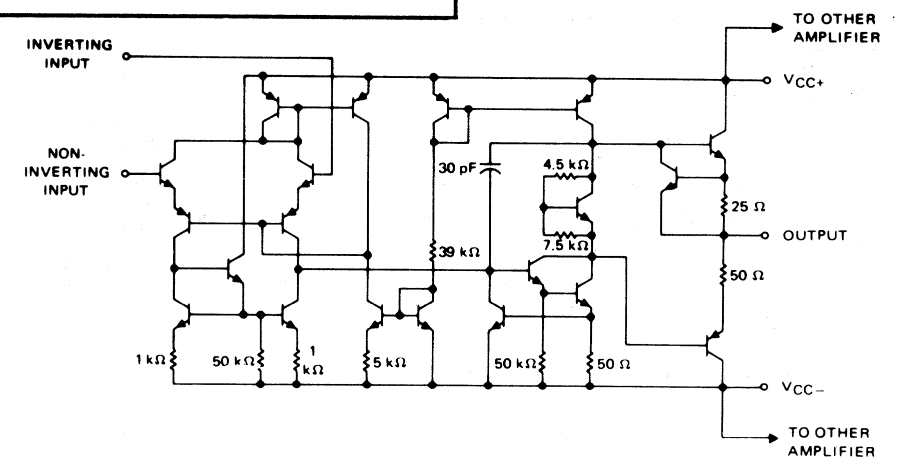




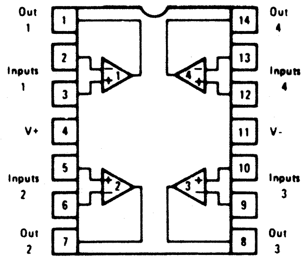
A356c

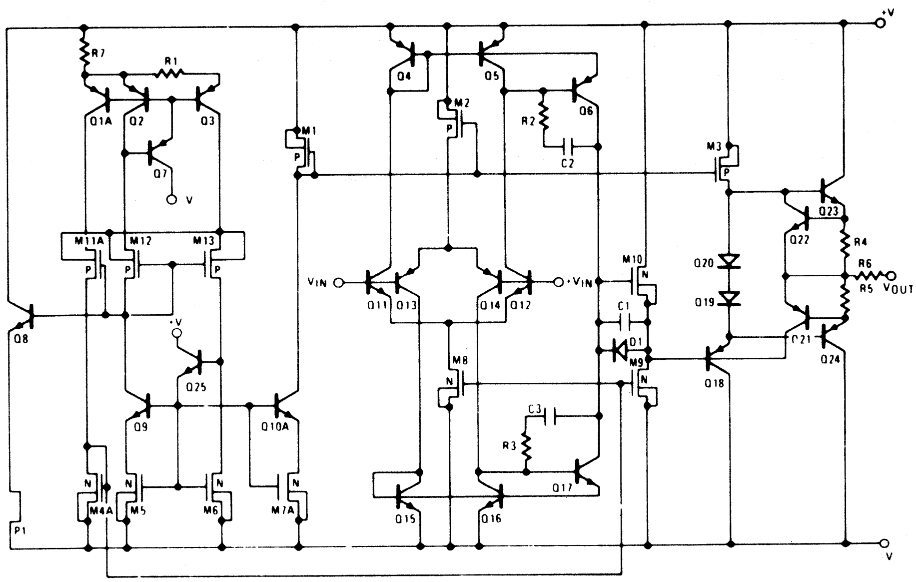
A357



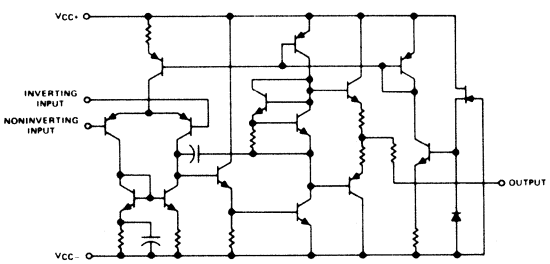


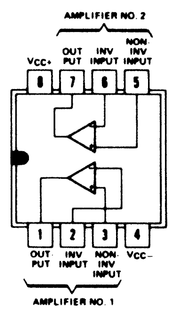
A358



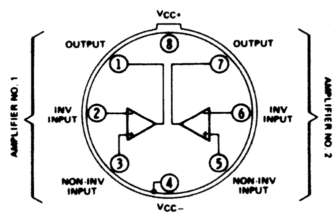


A359



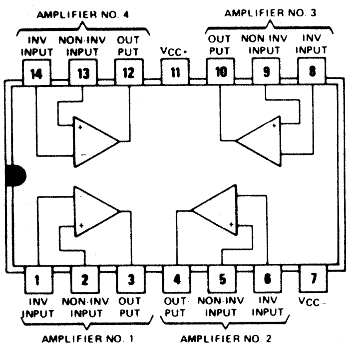


A359



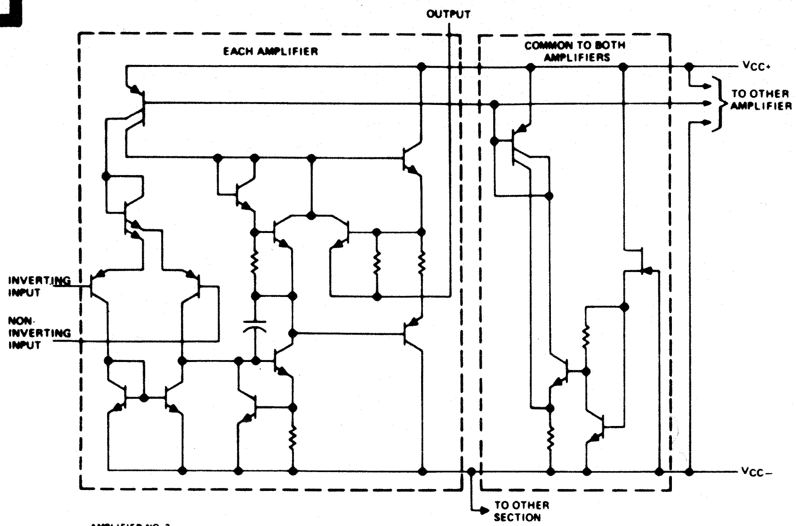
PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE.

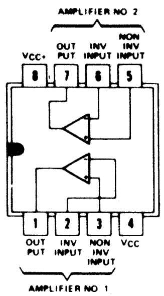
A359a



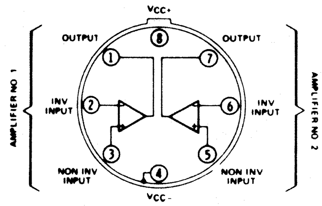
A359b

A360





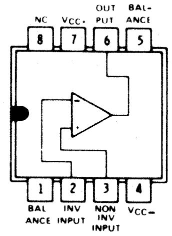
A360



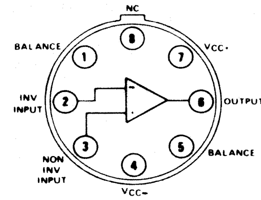
PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE

A360a

A361



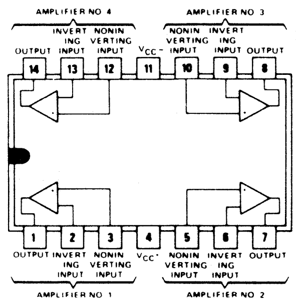
A361



PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE

A361a

A362



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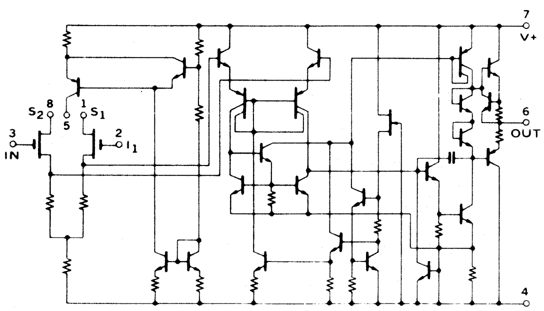

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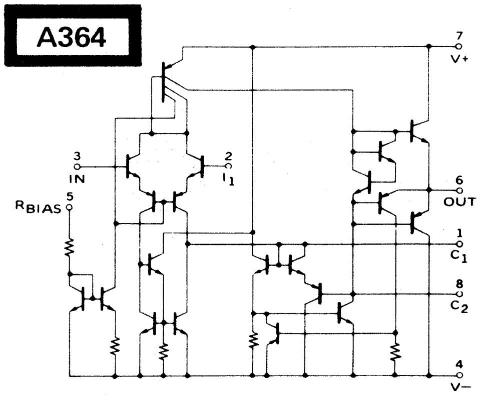

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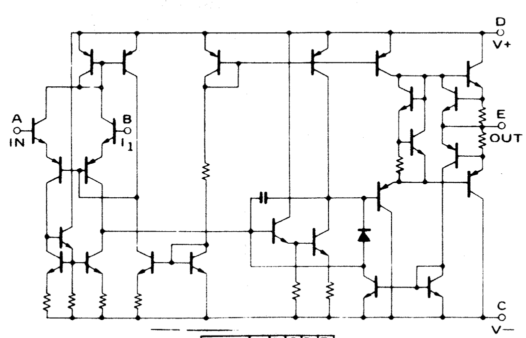
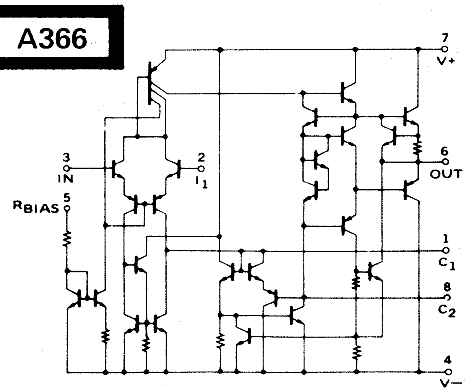
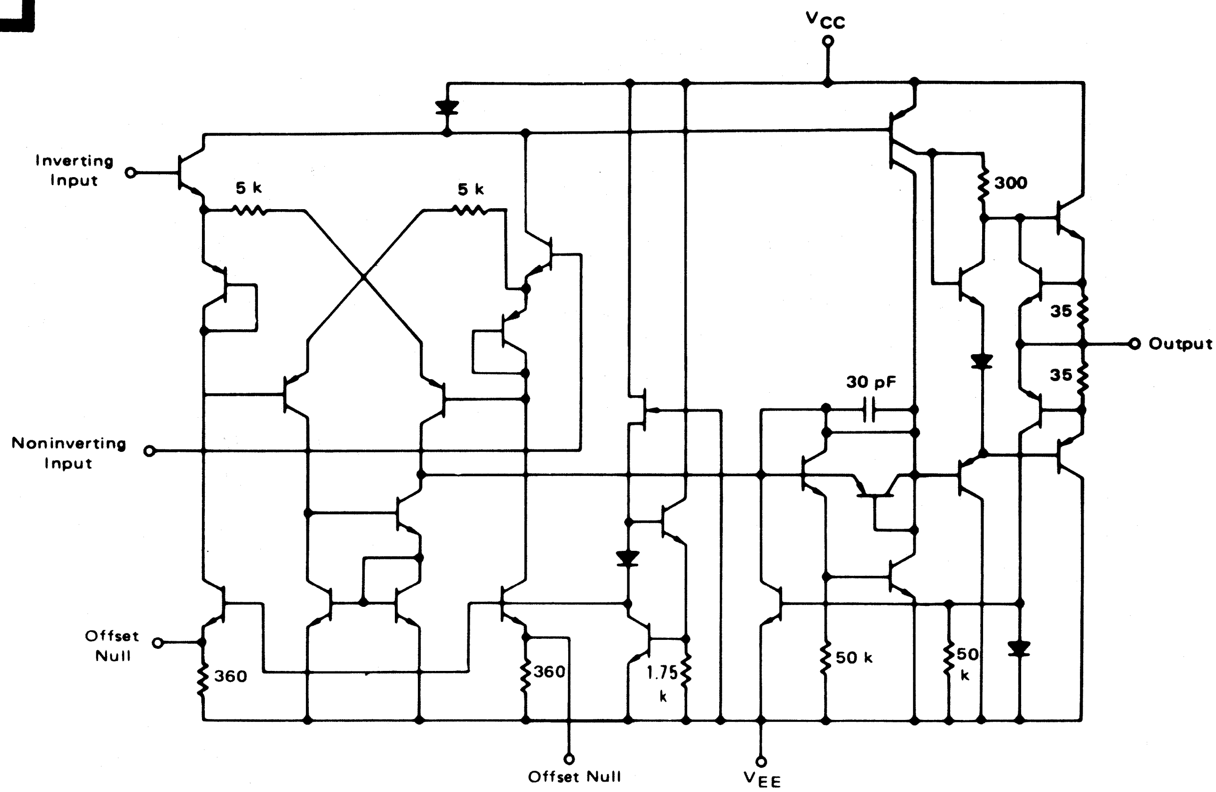


	CKT	A	B	C	D	E
A365	CKT1	4	3	5	2	1
	CKT2	6	7	5	8	9
A365a	CKT1	3	2	4	8	1
	CKT2	5	6	4	8	7

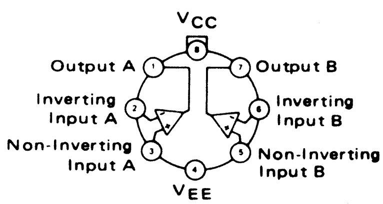
A366



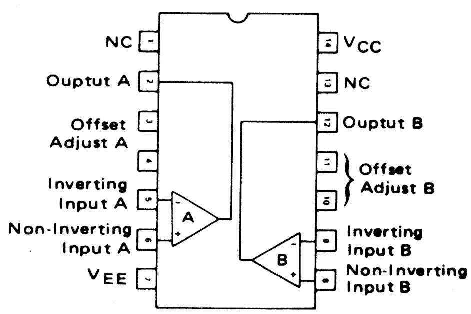
A367



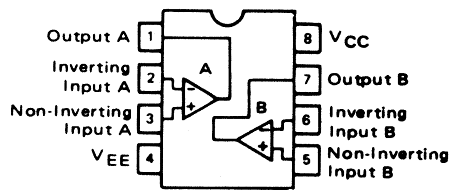
VCC
Inverting Input
5 k
5 k
300
35
Output
35
30 pF
Noninverting Input
Offset Null
360
360
1.75 k
50 k
50 k
Offset Null
VEE



VCC
Output A
Output B
Inverting Input A
Inverting Input B
Non-Inverting Input A
Non-Inverting Input B
VEE

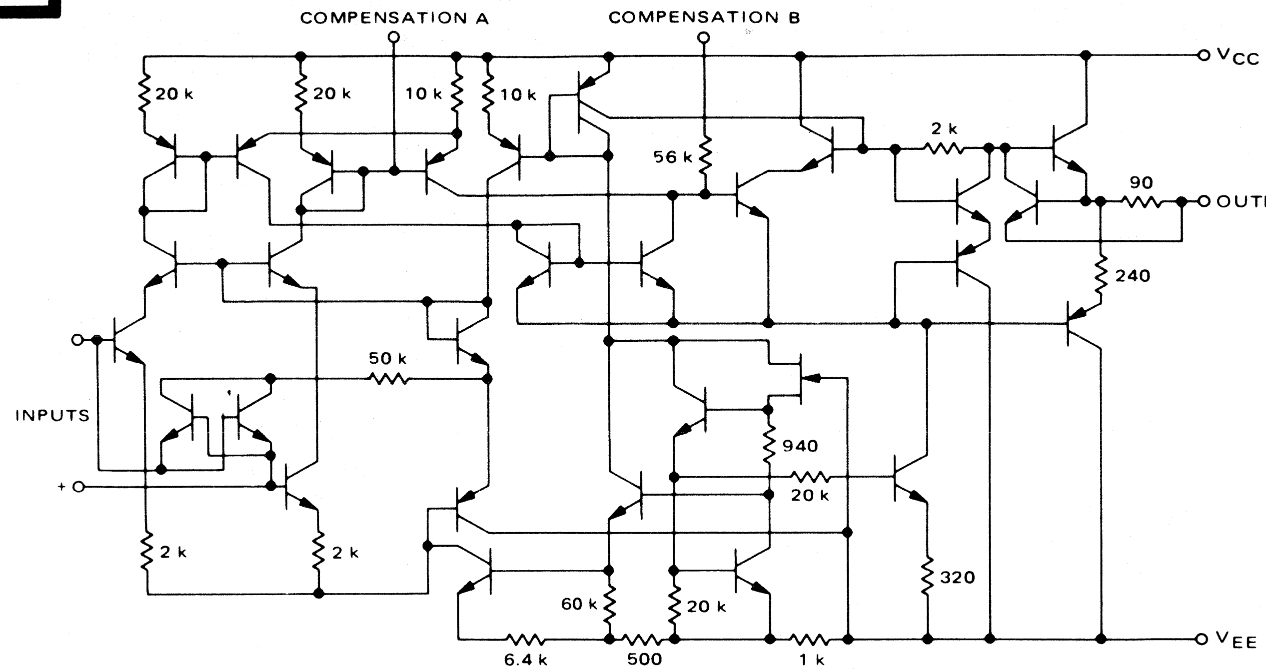


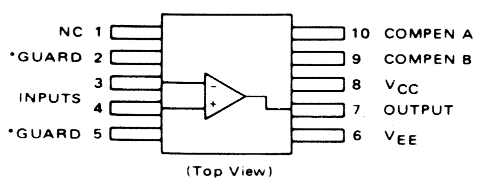
NC
Ouptut A
Offset Adjust A
Inverting Input A
Non-Inverting Input A
VEE
A
B
VCC
NC
Ouptut B
Offset Adjust B
Inverting Input B
Non-Inverting Input B

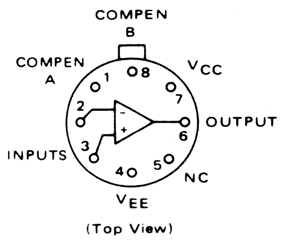


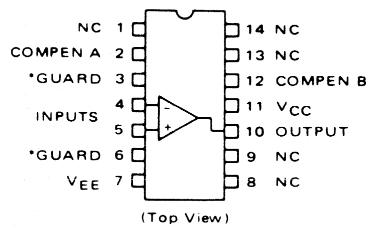
Output A
Inverting Input A
Non-Inverting Input A
VEE
A
B
VCC
Output B
Inverting Input B
Non-Inverting Input B

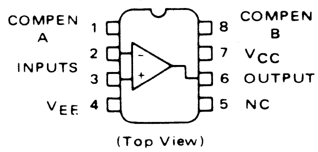
A368



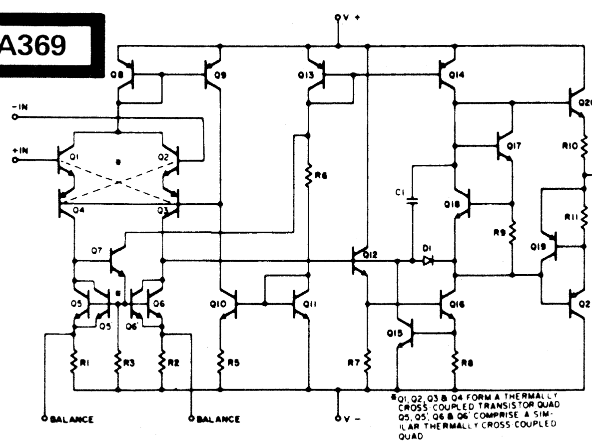


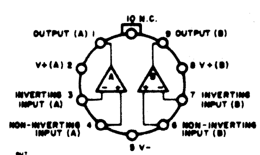




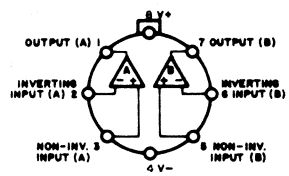


A369

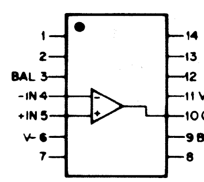




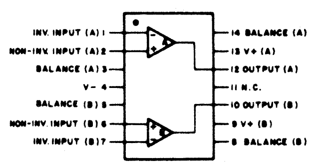
A369



A369b

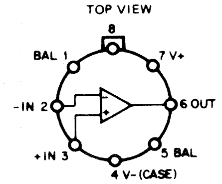


A369d



A369a

TOP VIEW



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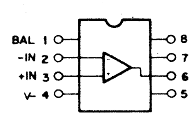
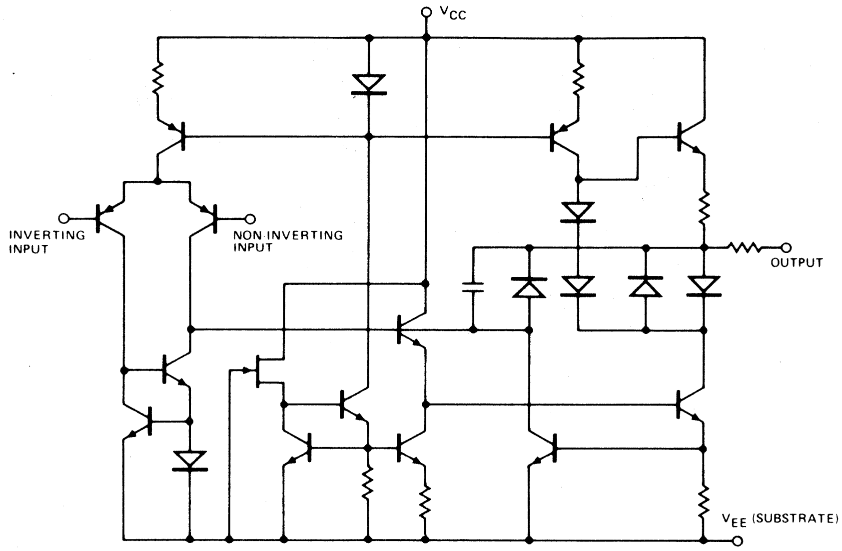
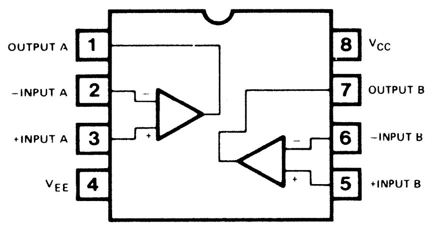


A369e

A370





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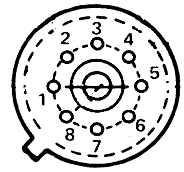
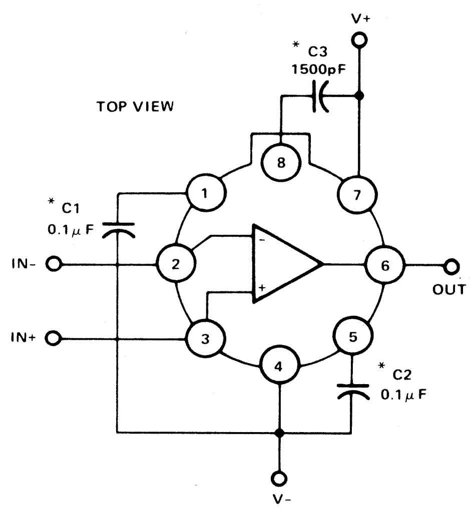


VIEW TOWARD PINS

1. Offset Adj.
2. -In
3. +In
4. $-V_{CC}$
5. Offset Adj.
6. Output
7. $+V_{CC}$
8. Bandwidth Control

A372



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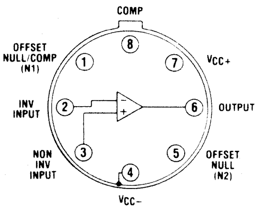

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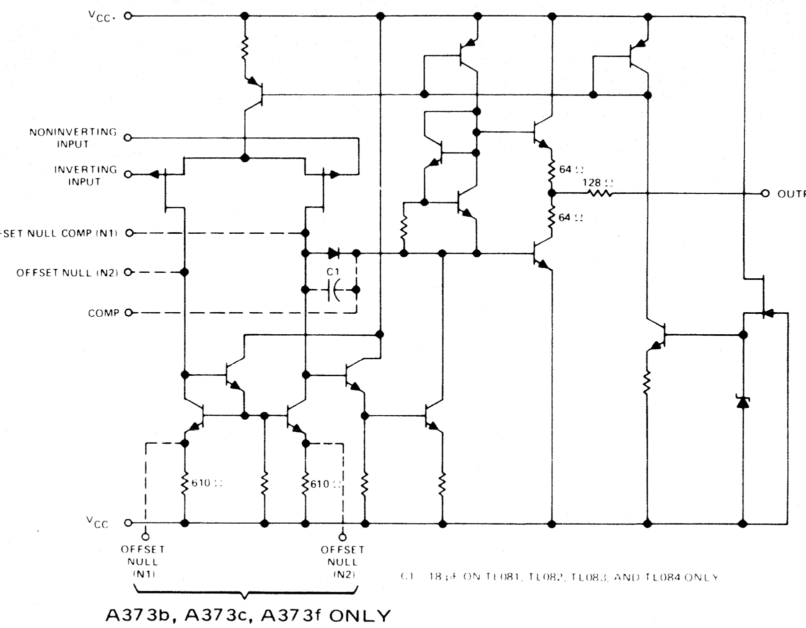

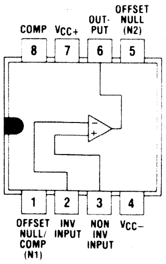

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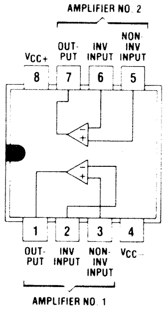

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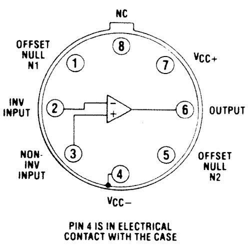

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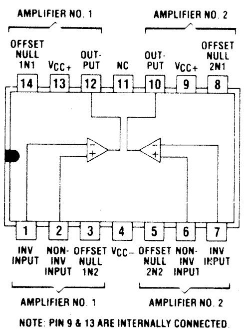

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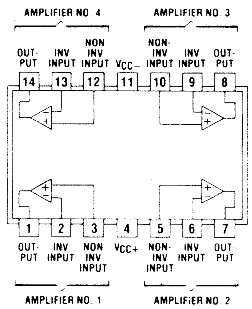
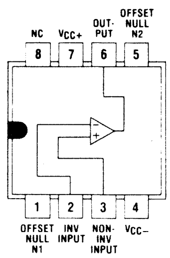
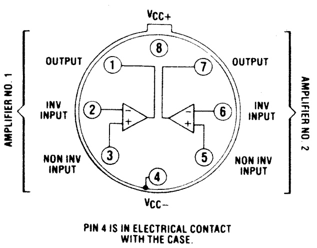


A373g



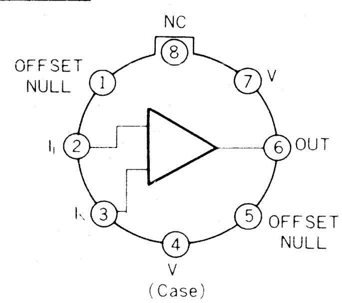
A373c

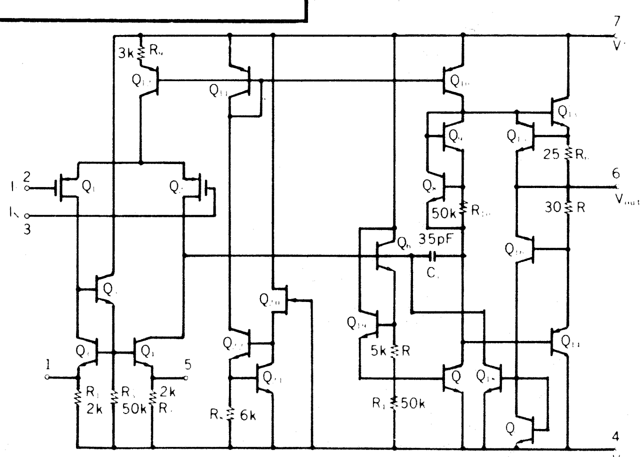


A373d

A374

(TOP VIEW)





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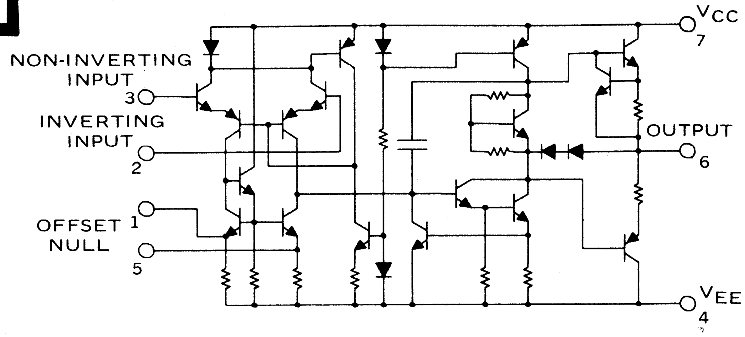
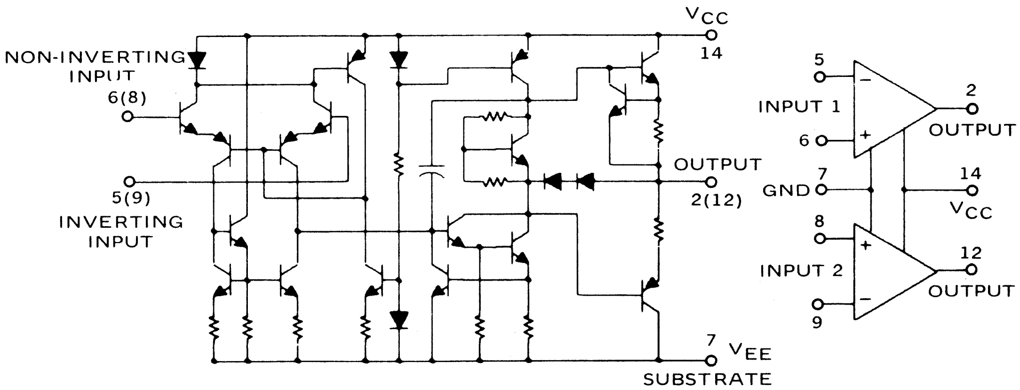
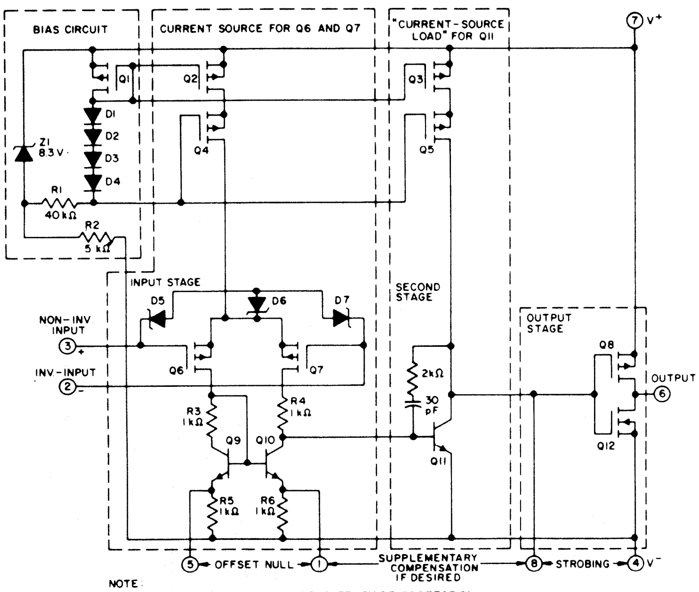


A376

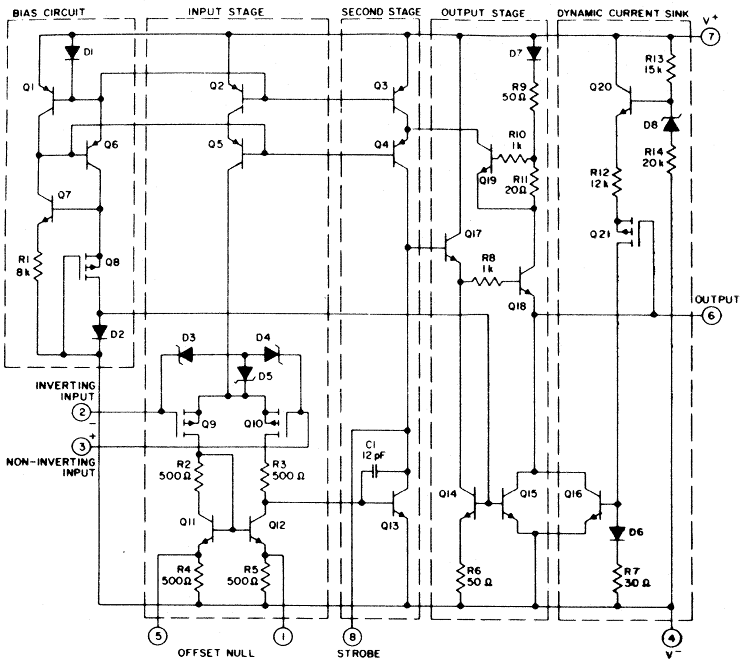


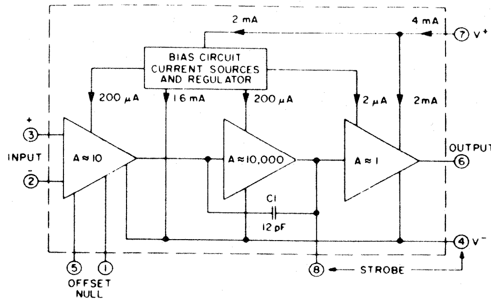
A377



NOTE:
DIODES D5 THROUGH D8 PROVIDE GATE-OXIDE PROTECTION FOR MOS/FET INPUT STAGE

A378





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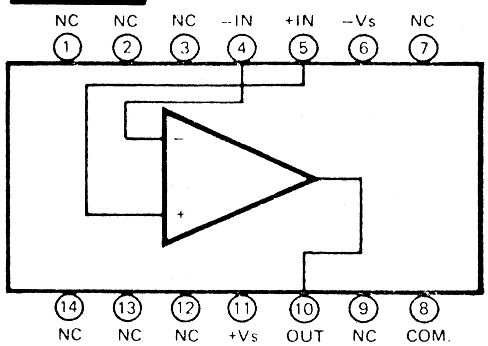

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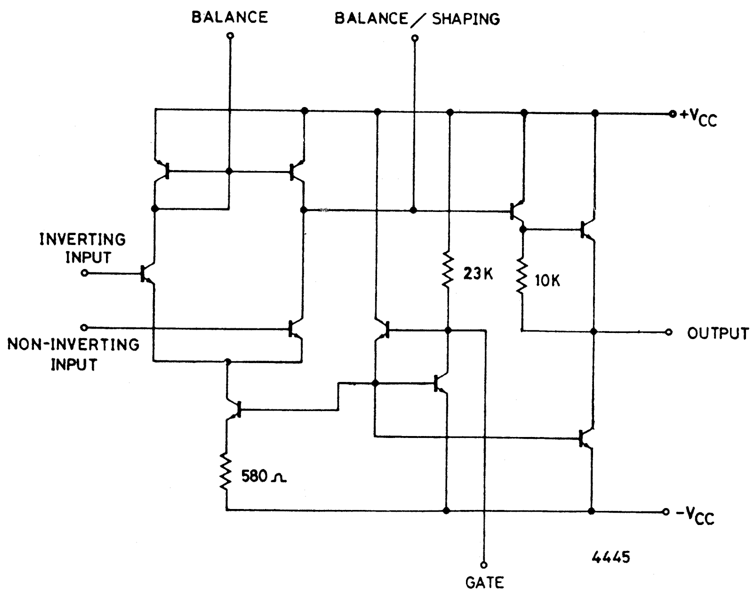

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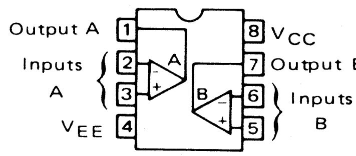
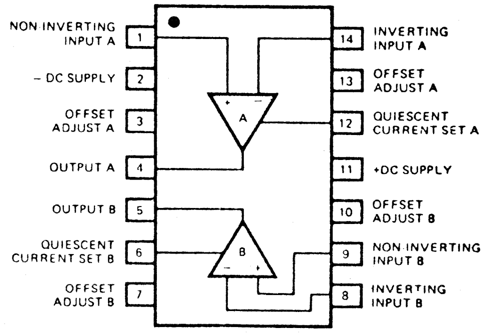


A382

TOP VIEW



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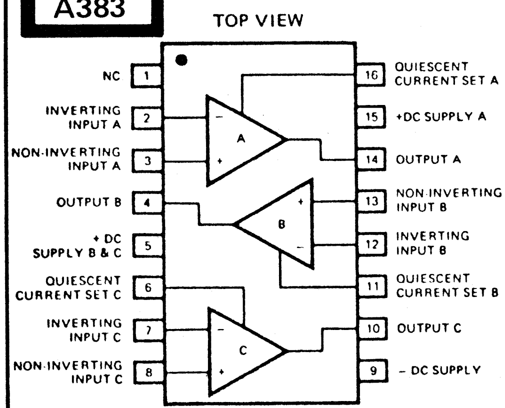

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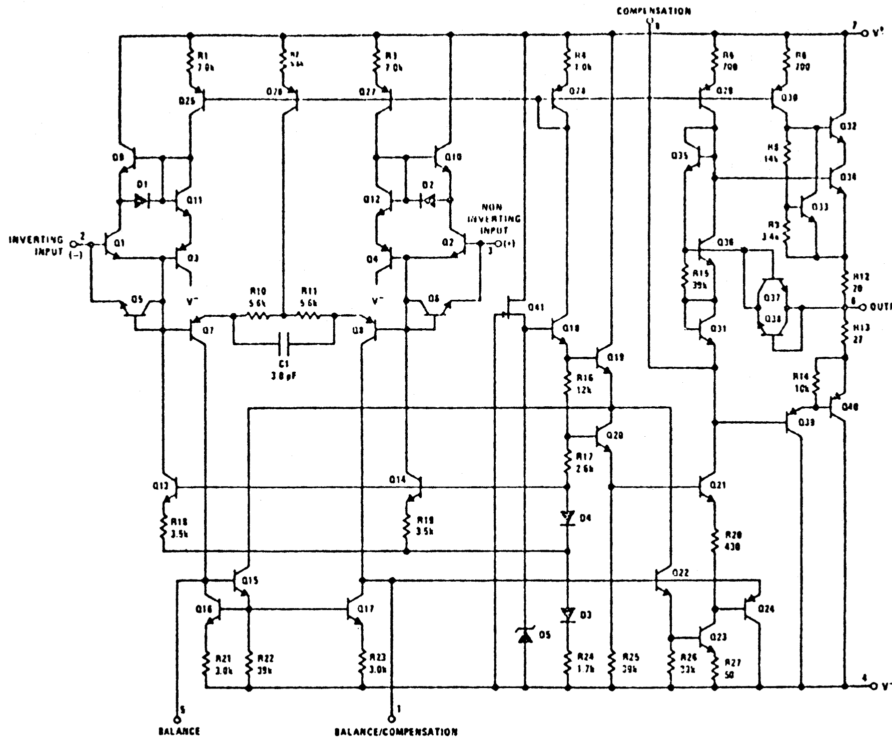
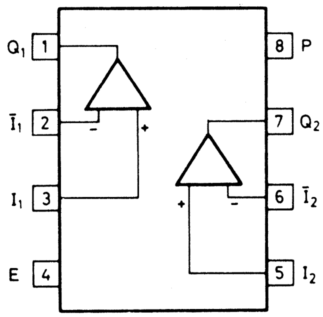


A385



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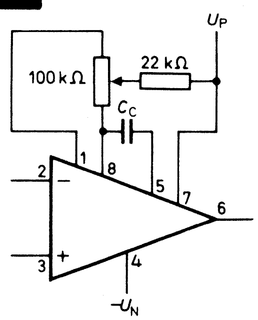

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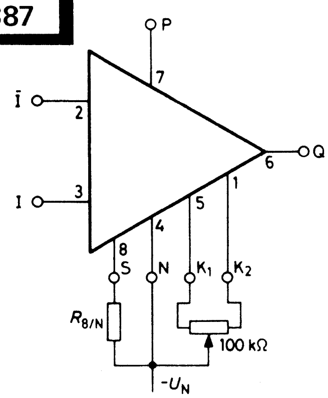

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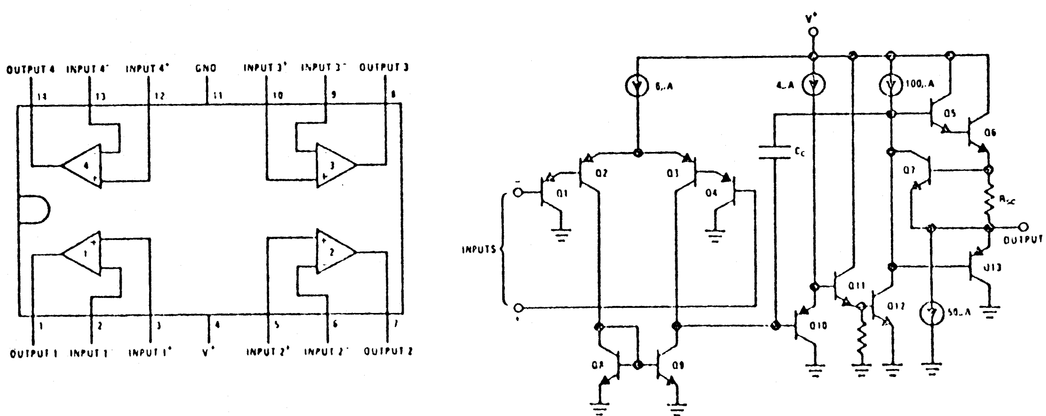

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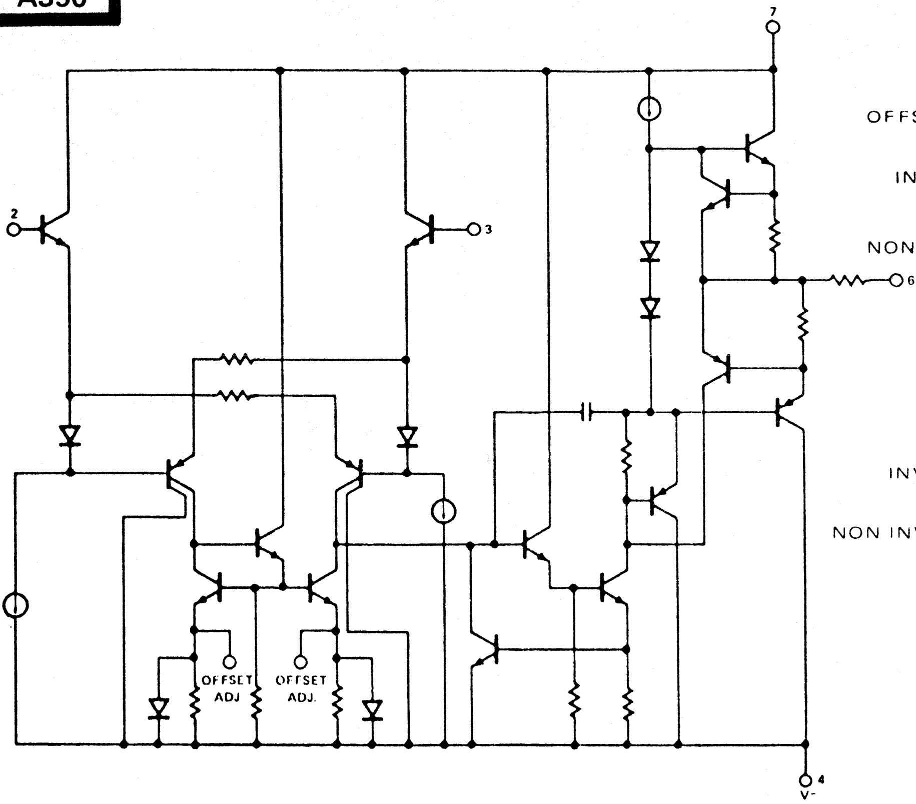
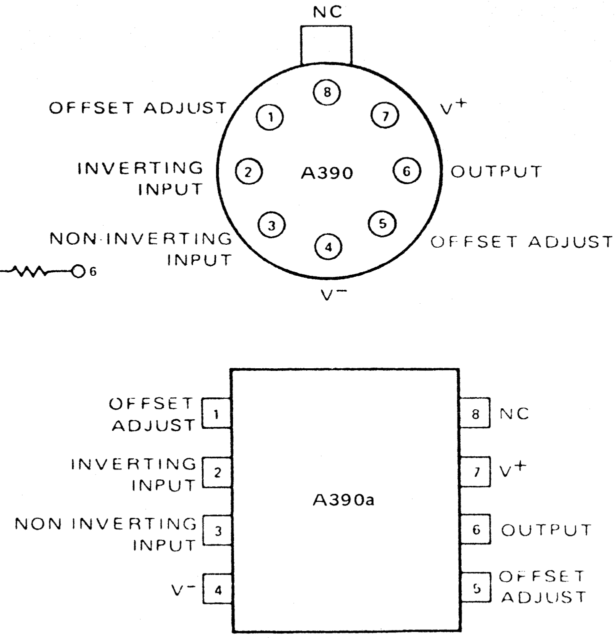
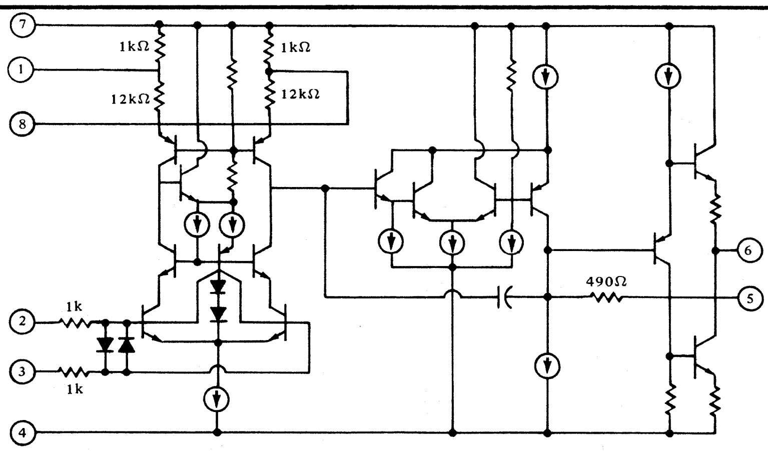
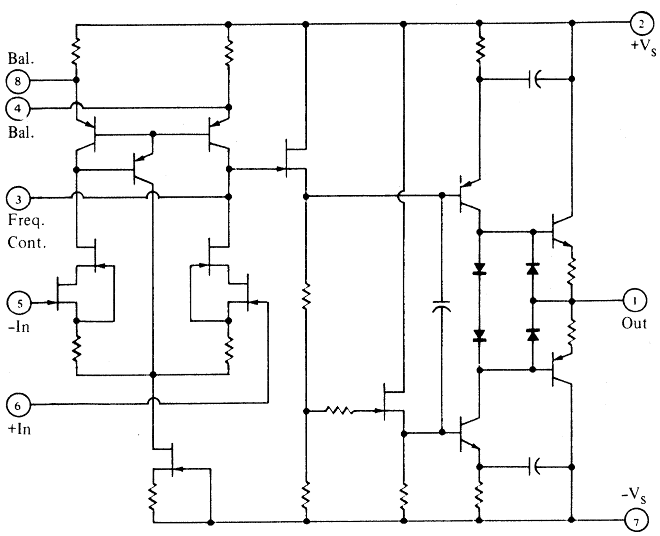

7
2
3
6
OFFSET ADJ
OFFSET ADJ.
4
V-


NC
OFFSET ADJUST
V+
INVERTING INPUT
A390
OUTPUT
NON-INVERTING INPUT
OFFSET ADJUST
V−
OFFSET ADJUST
INVERTING INPUT
NON INVERTING INPUT
V−
A390a
NC
V+
OUTPUT
OFFSET ADJUST

A391


1kΩ
1kΩ
12kΩ
12kΩ
1k
1k
490Ω

A392



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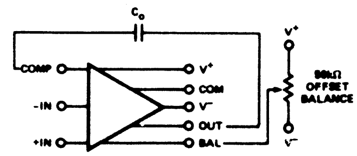

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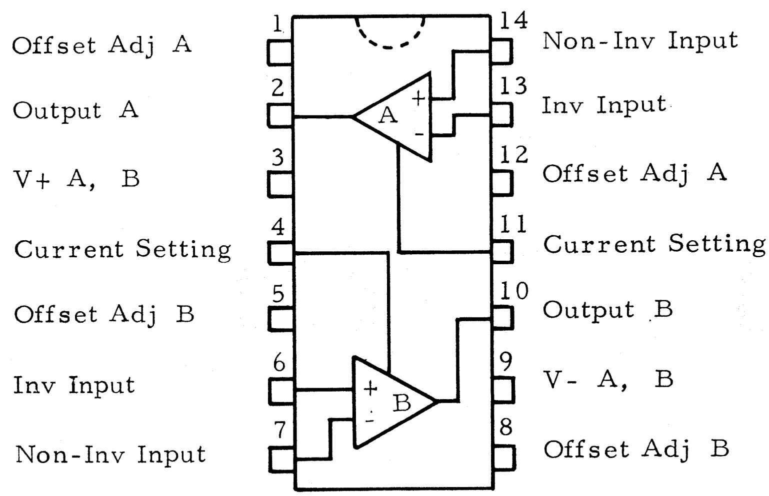

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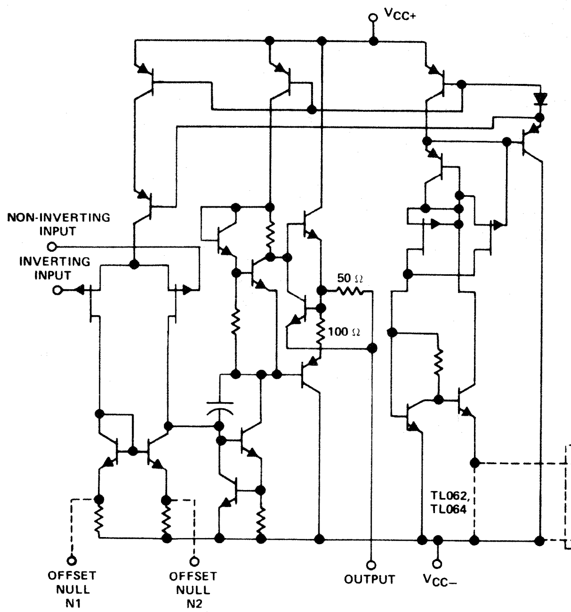
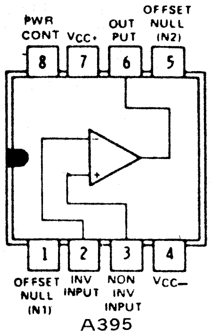
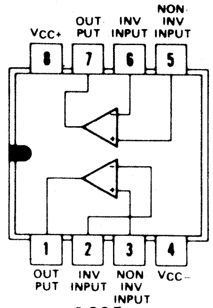


A395 ONLY

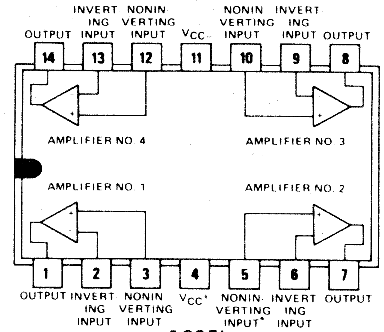
COMPONENT VALUES SHOWN ARE NOMINAL



A395

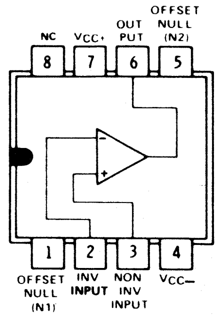


A395a



A395b

A396



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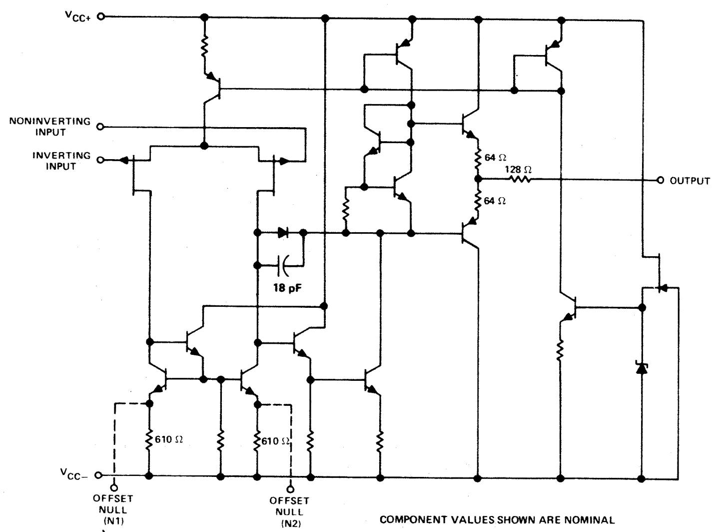
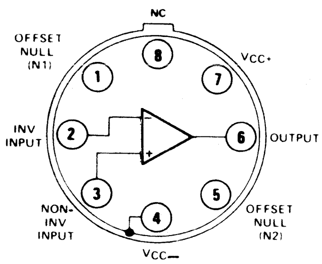


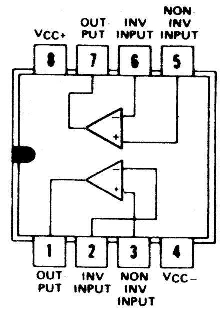
COMPONENT VALUES SHOWN ARE NOMINAL

A396 AND A396a ONLY

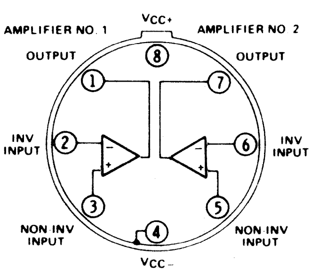


PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE

A396a

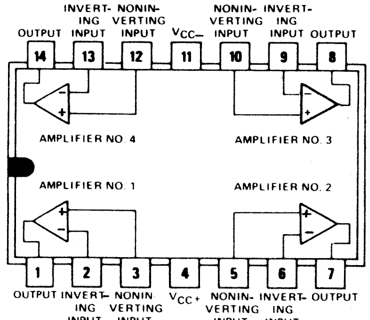


A396b

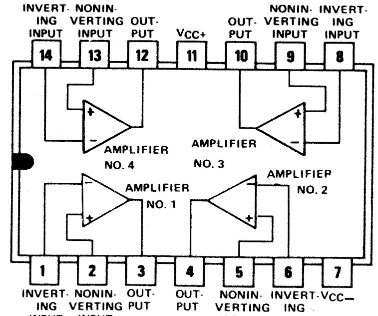


PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE

A396c

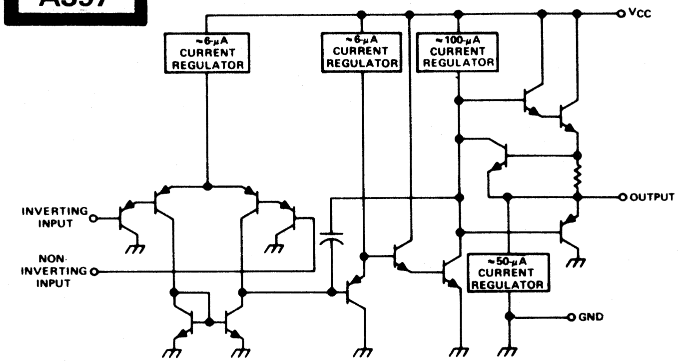


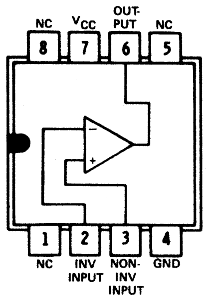
A396d



A396e

A397





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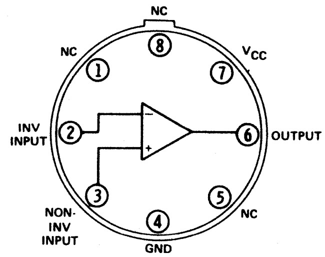
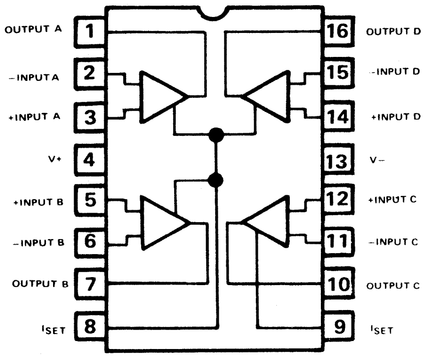


PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE

A397a

A398



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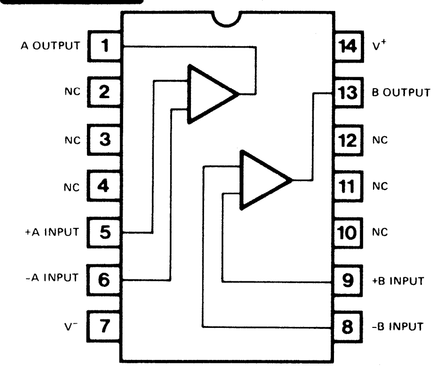
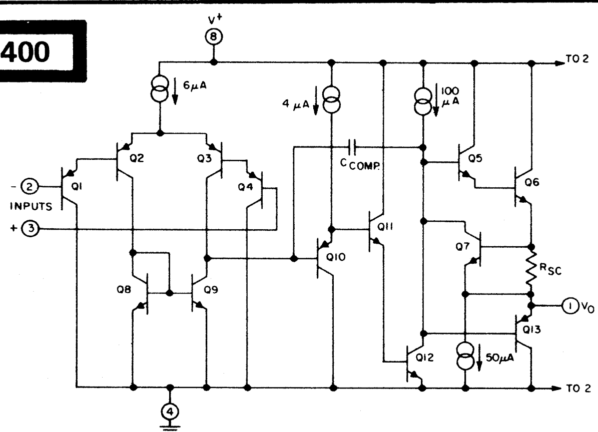
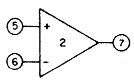


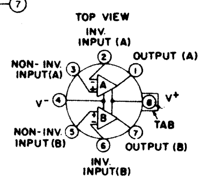
A400





A400

TOP VIEW



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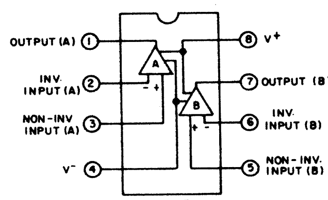
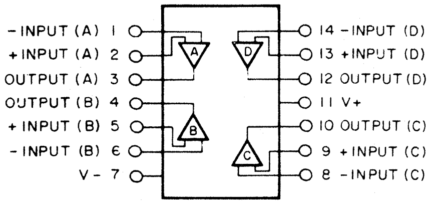


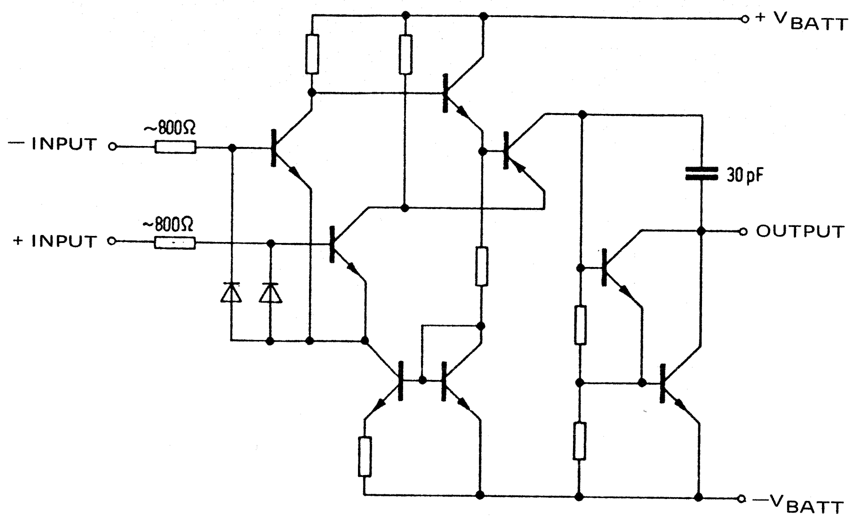
TOP VIEW

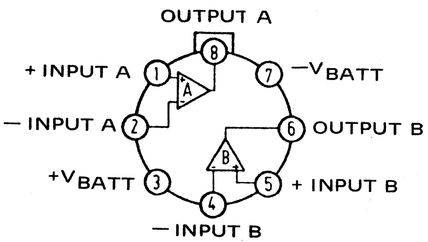
A401



TOP VIEW

A402





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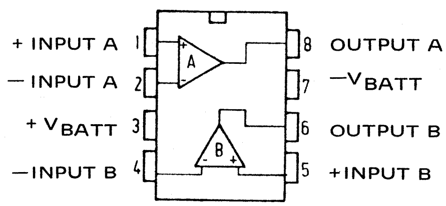

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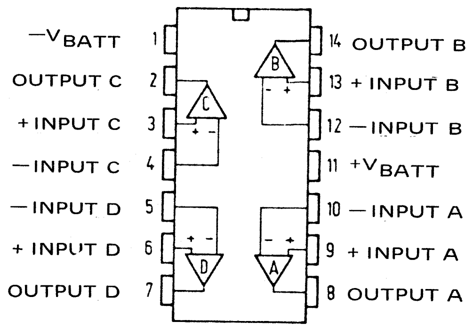
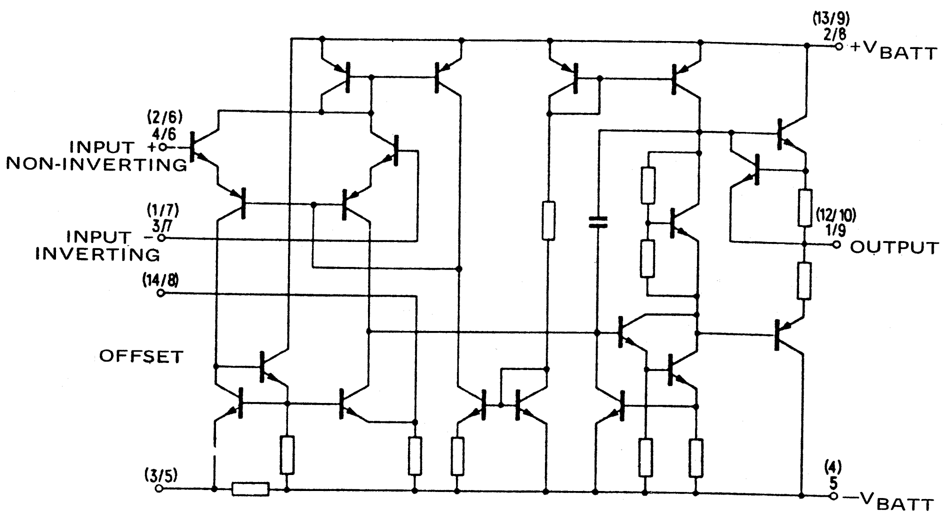
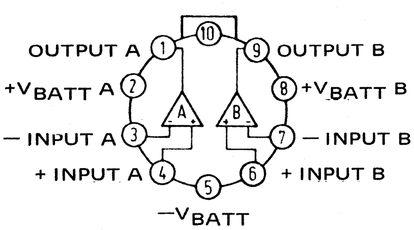


A402b

A403





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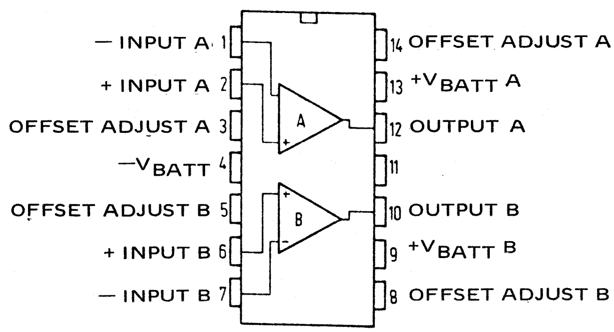

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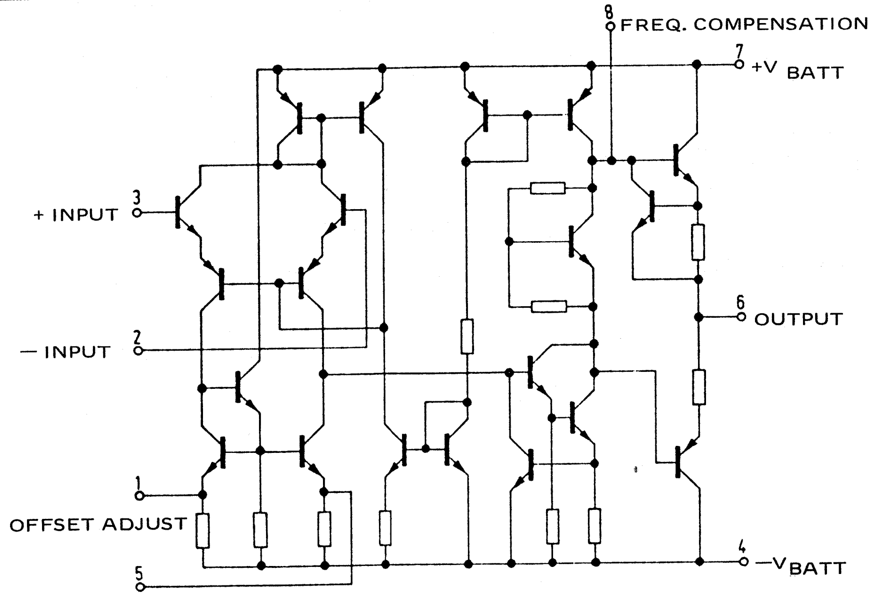
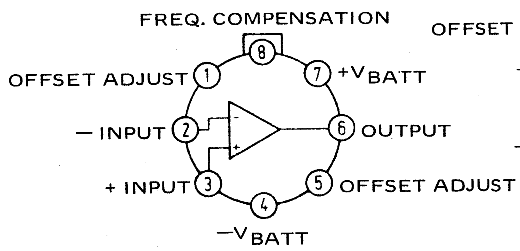
A404





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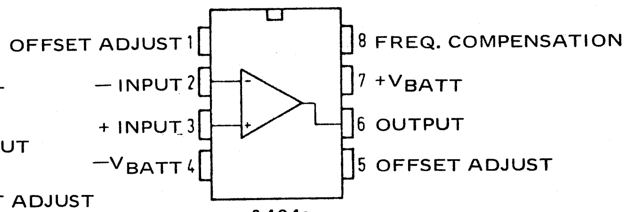
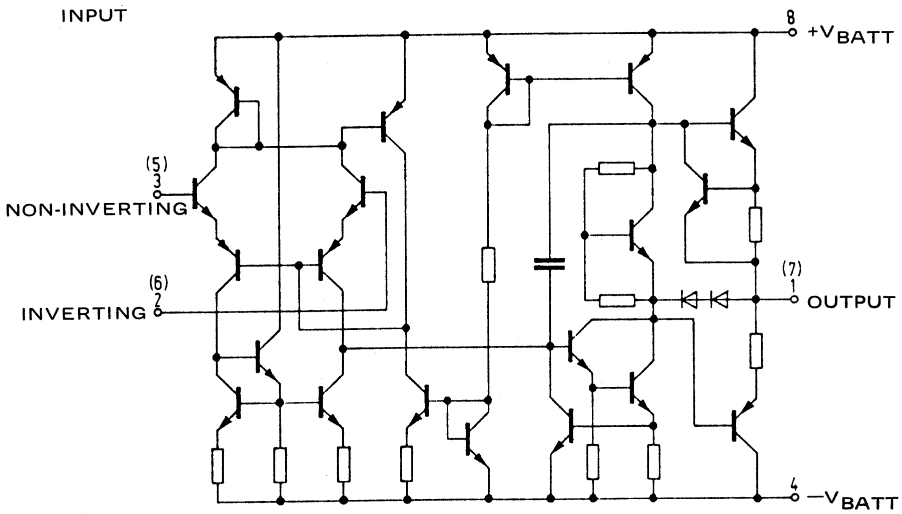
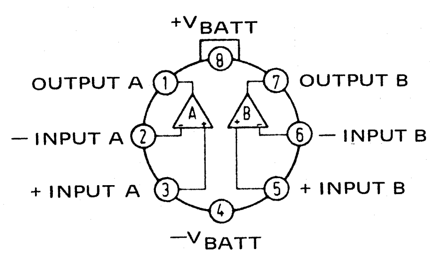


A404a

A405





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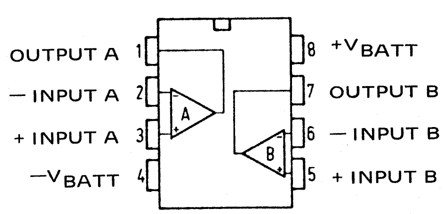
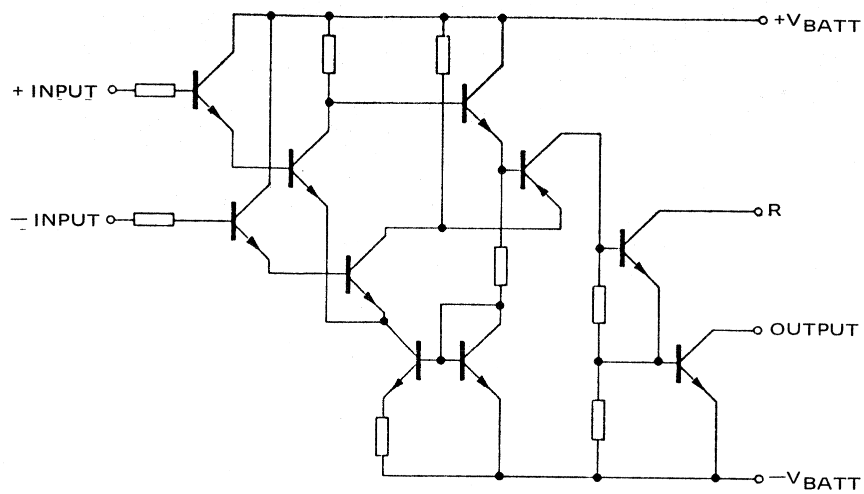
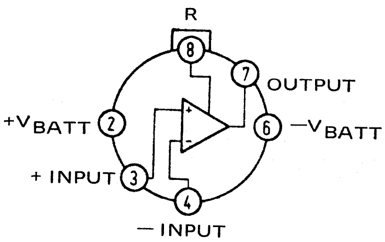


A405a

A406





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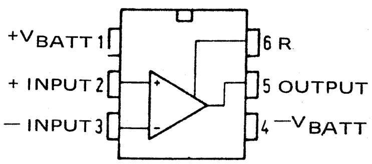

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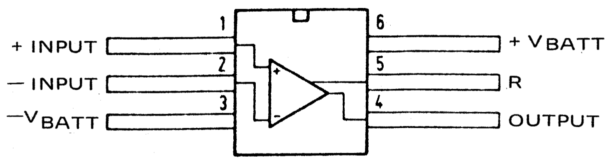
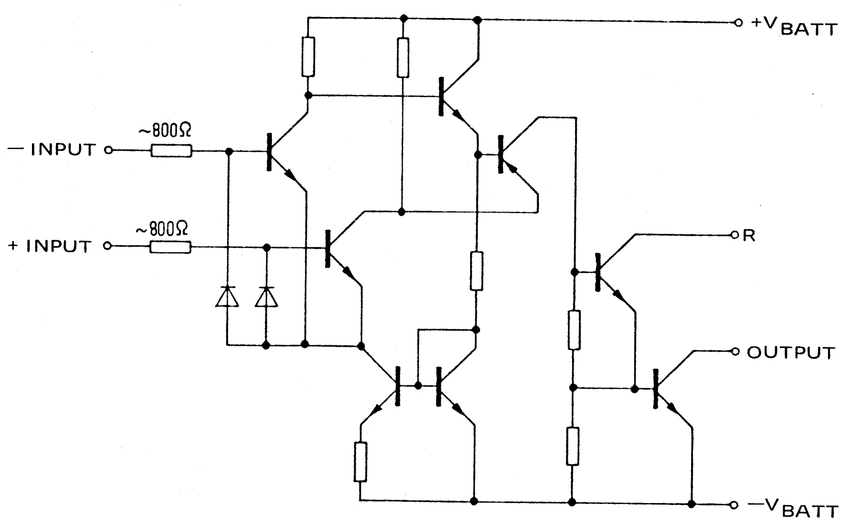
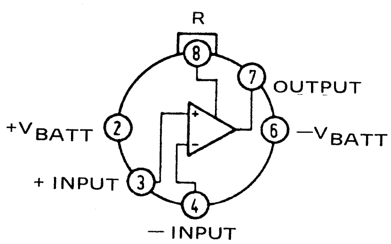


A406b

A407





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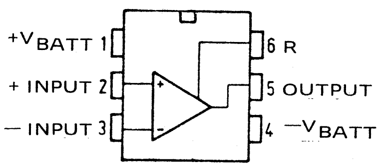

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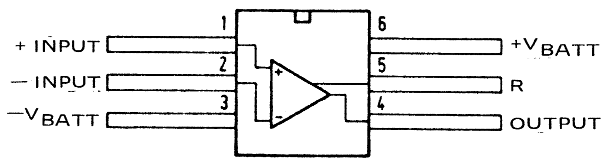
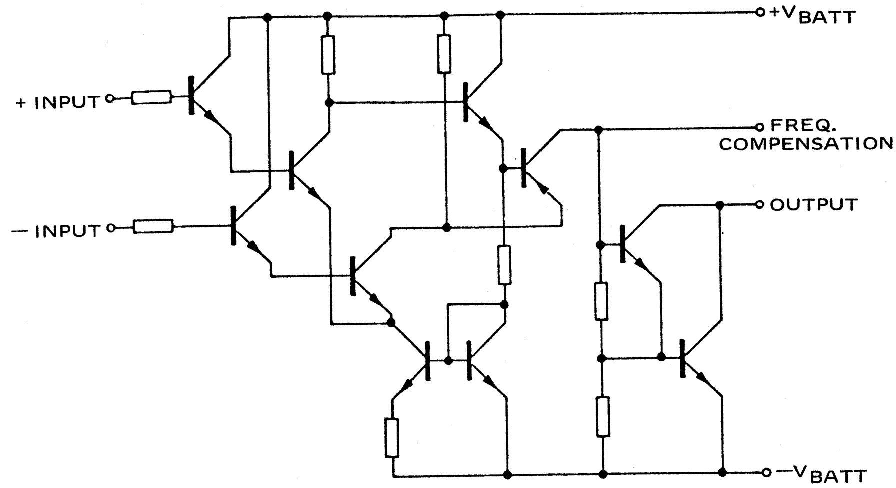
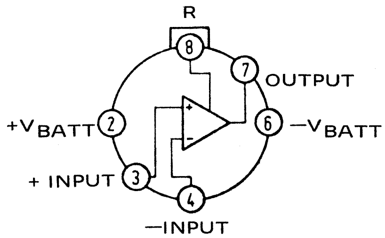


A407b

A408





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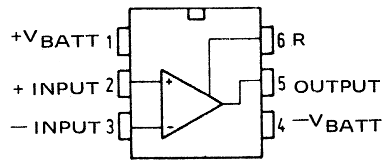

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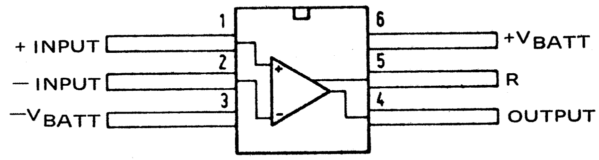
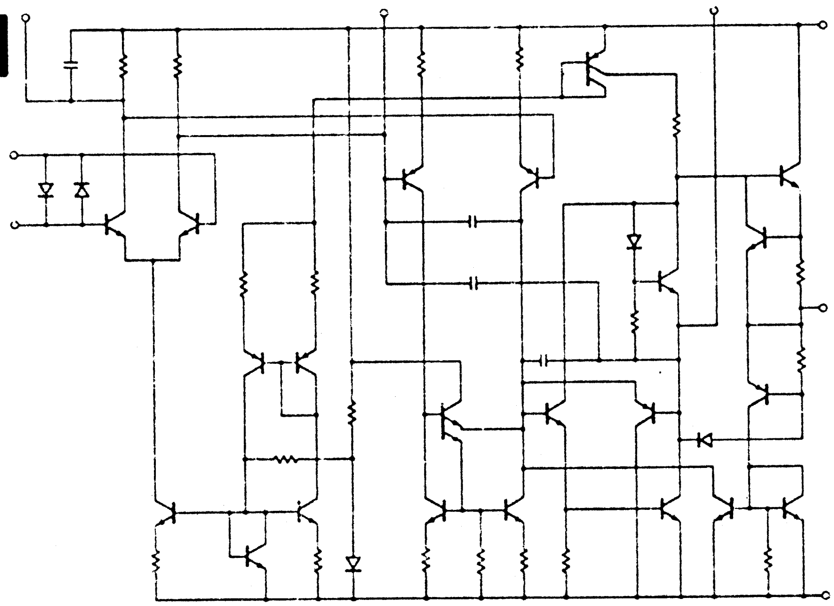
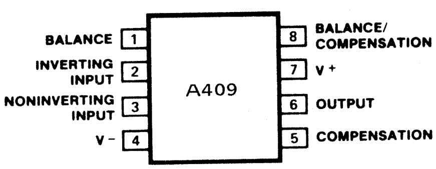
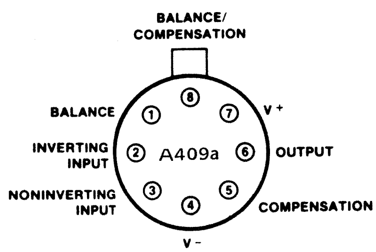


A408b

A409







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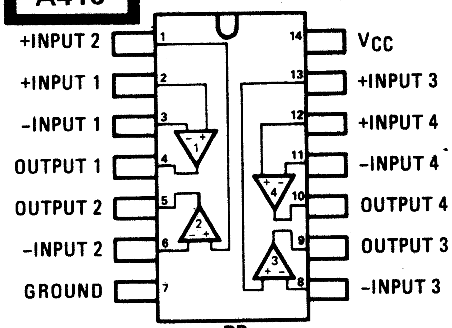
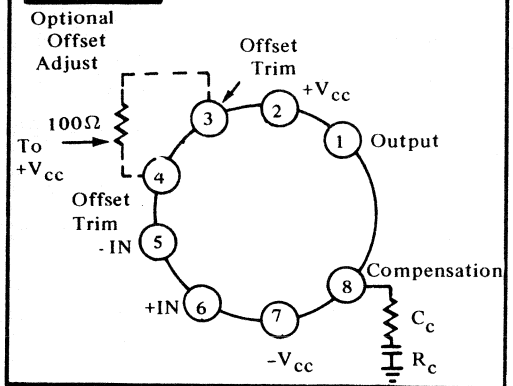


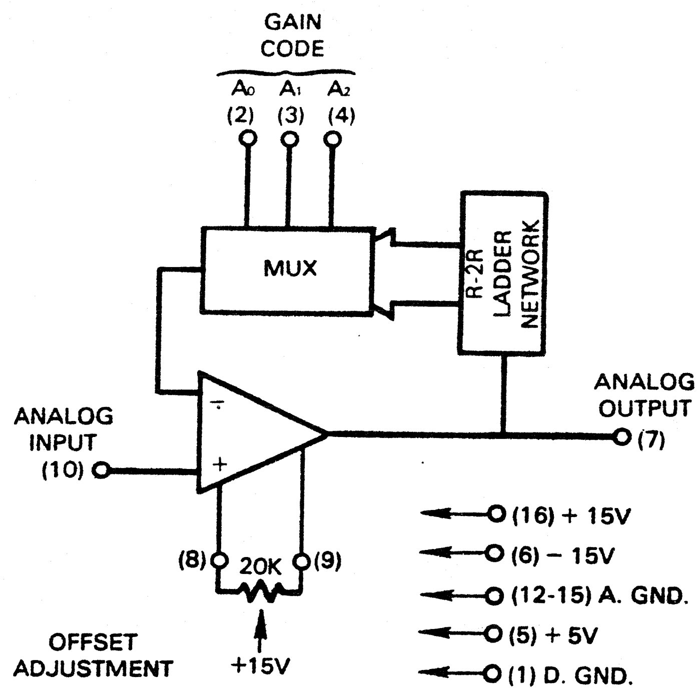
DB
Dual In-line Package
(Top View)

A411

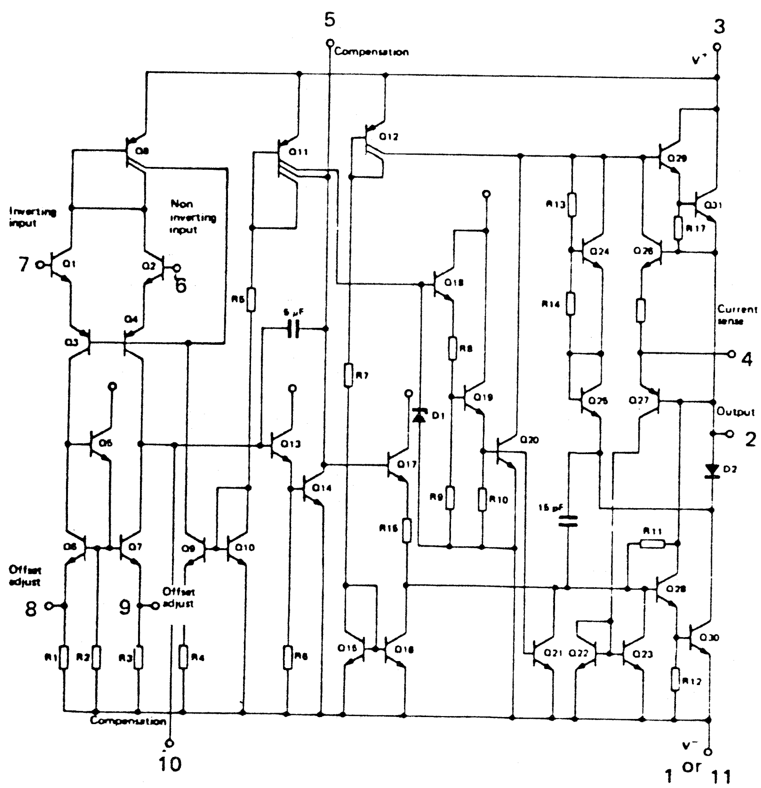
(TOP VIEW)



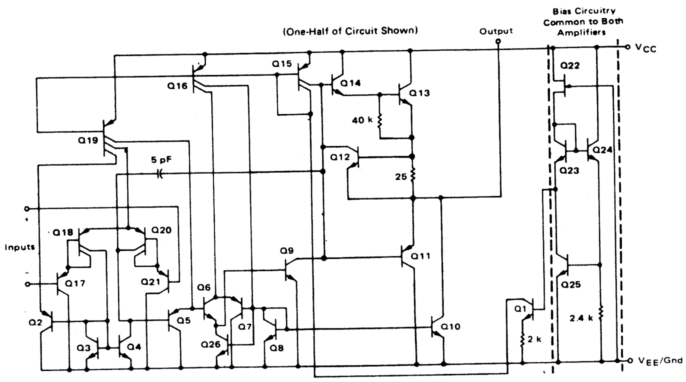
A412

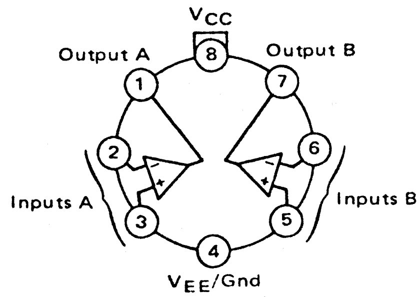


A413



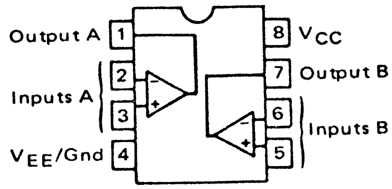
A414





(Top View)

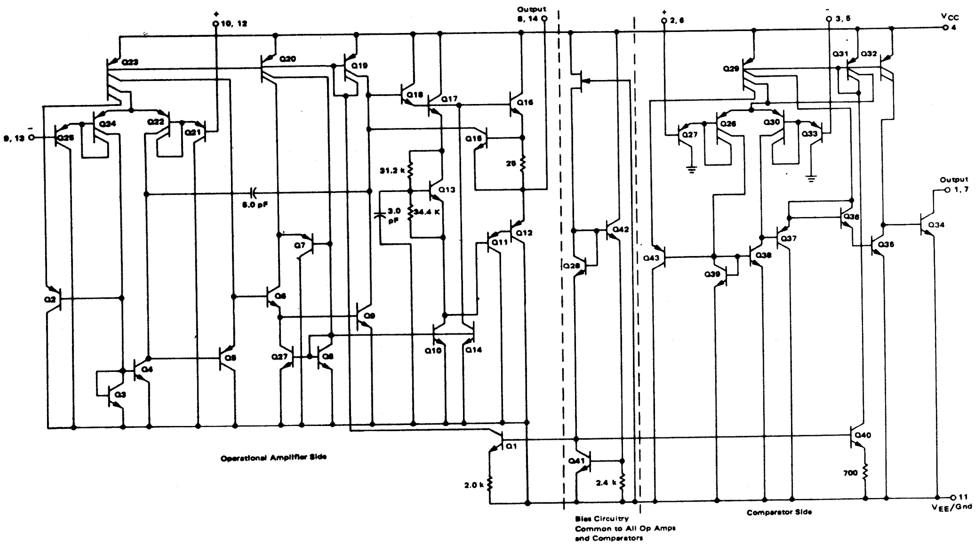
A414

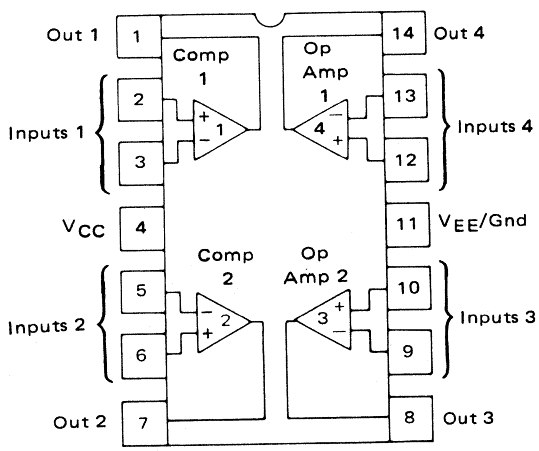


(Top View)

A414a

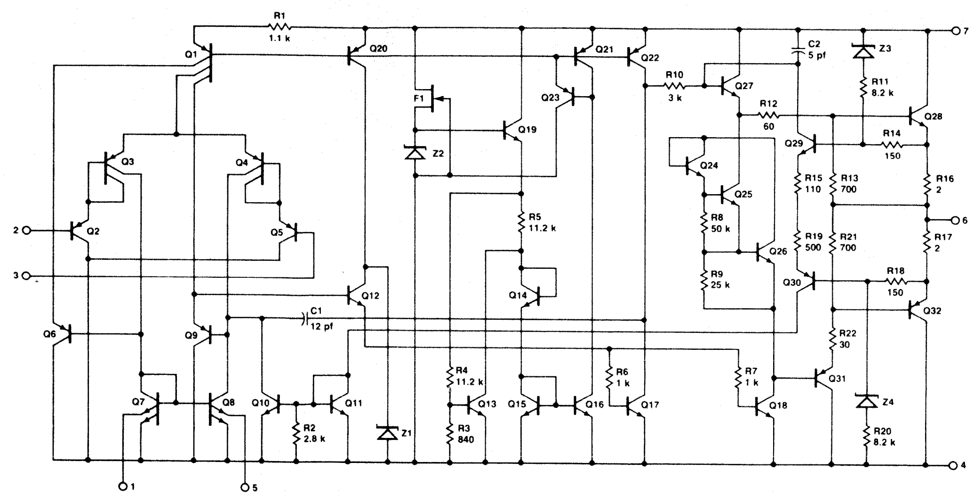
A415

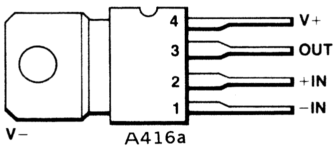




(Top View)

A416





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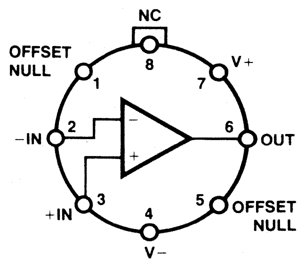

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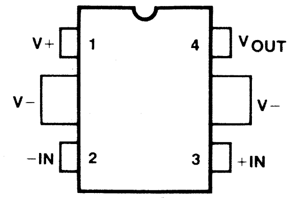
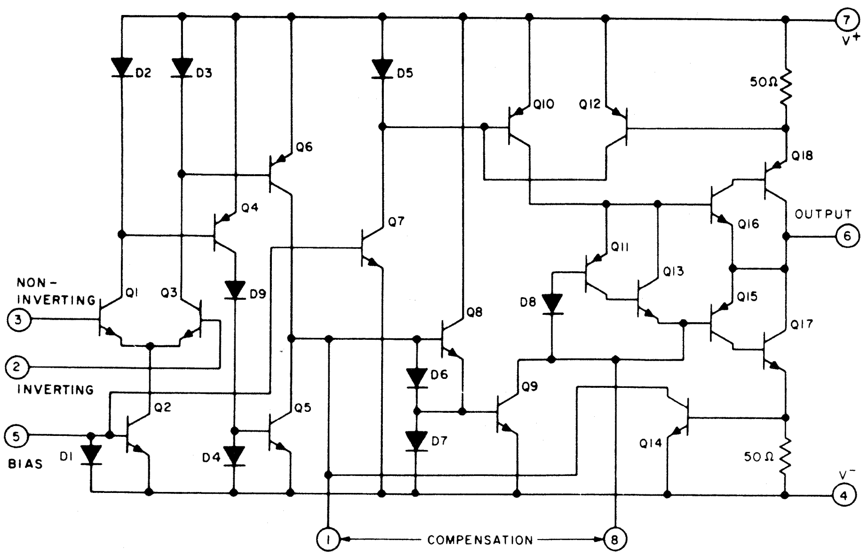


A416c

A417



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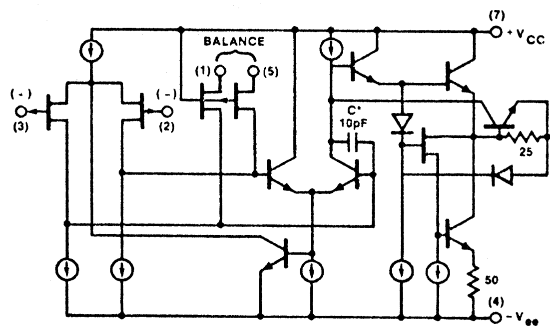

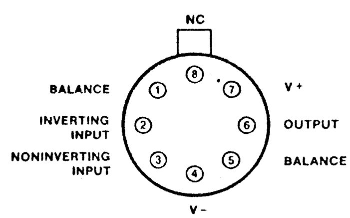

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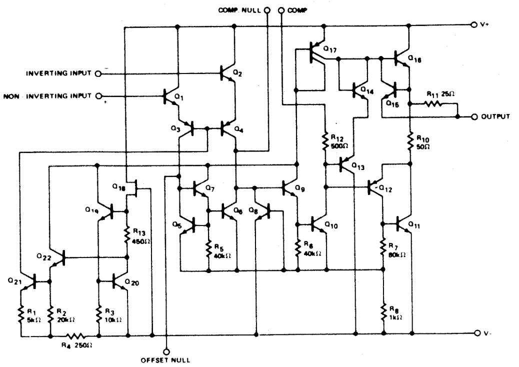

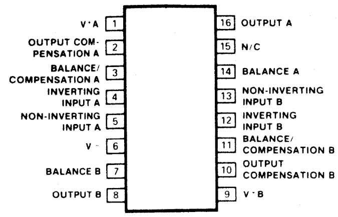

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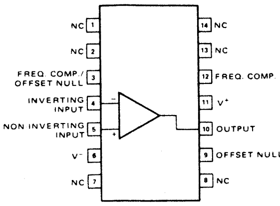

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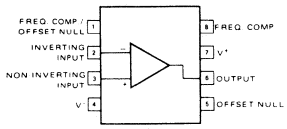
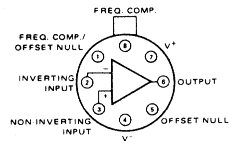
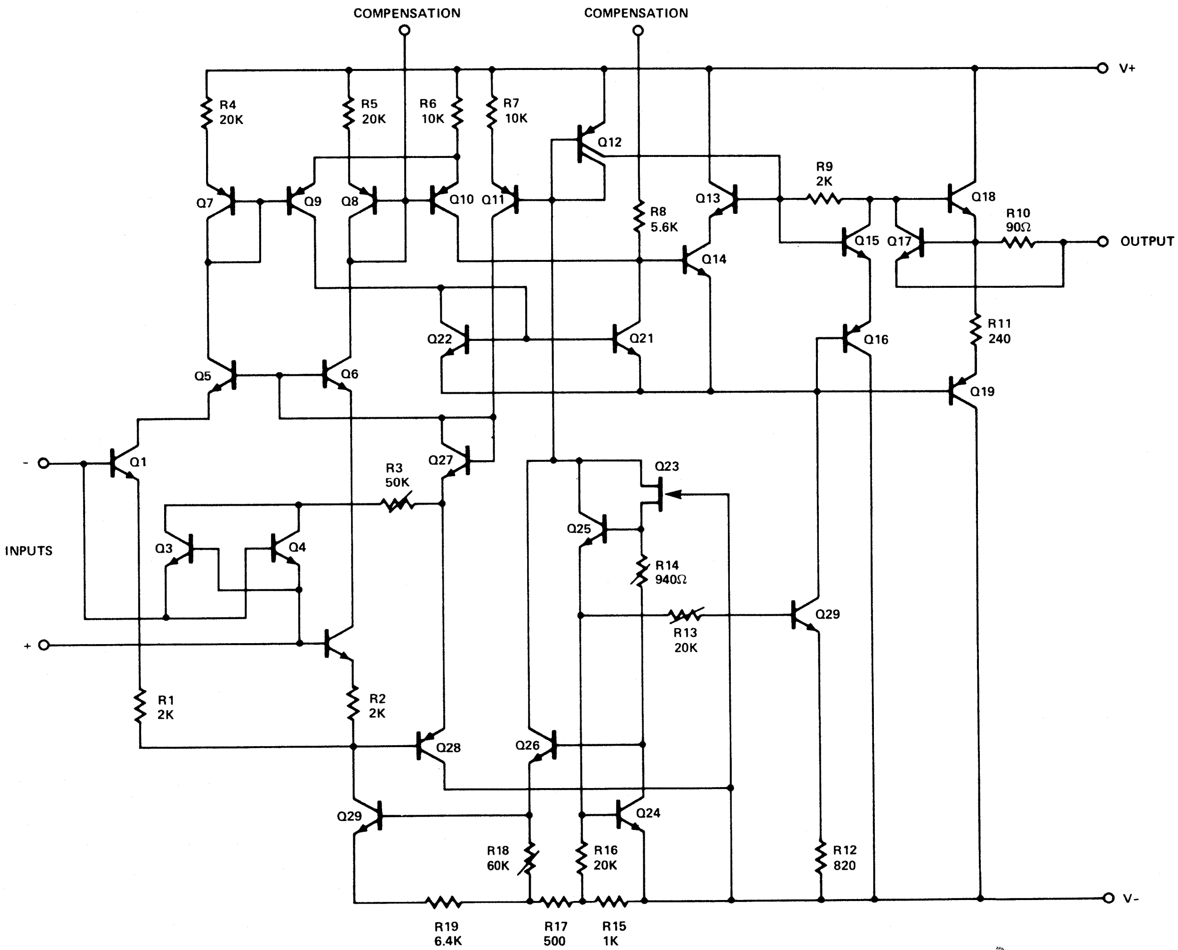


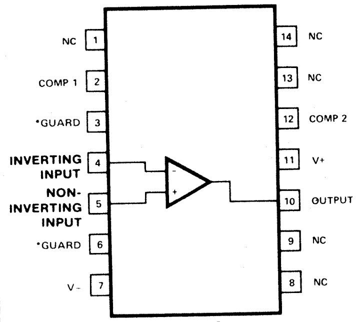
A419b



A419c

A420





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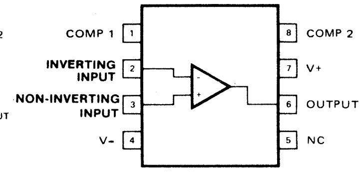

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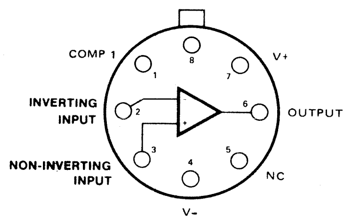
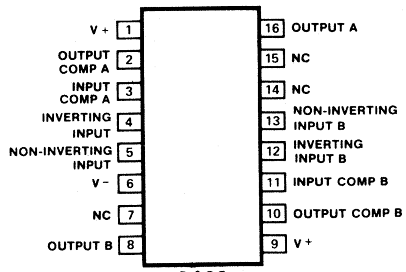
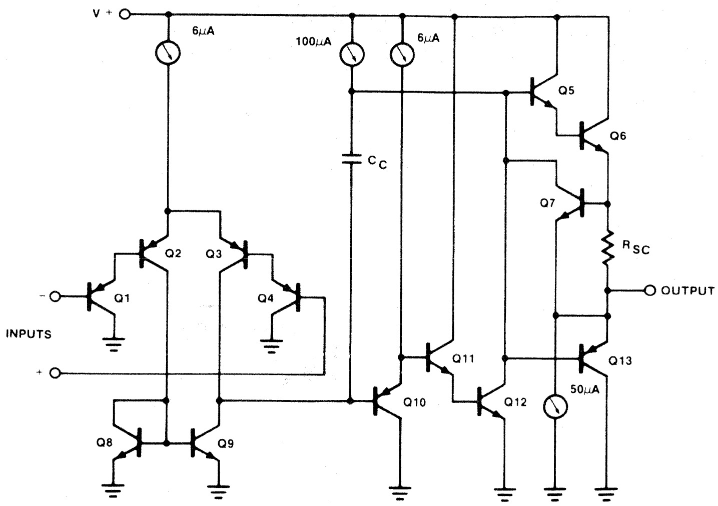


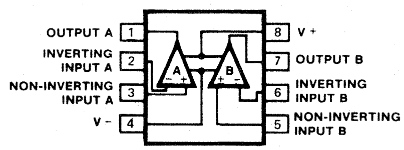
A420b



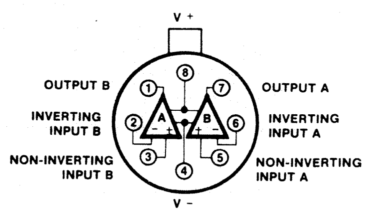
A420c

A421



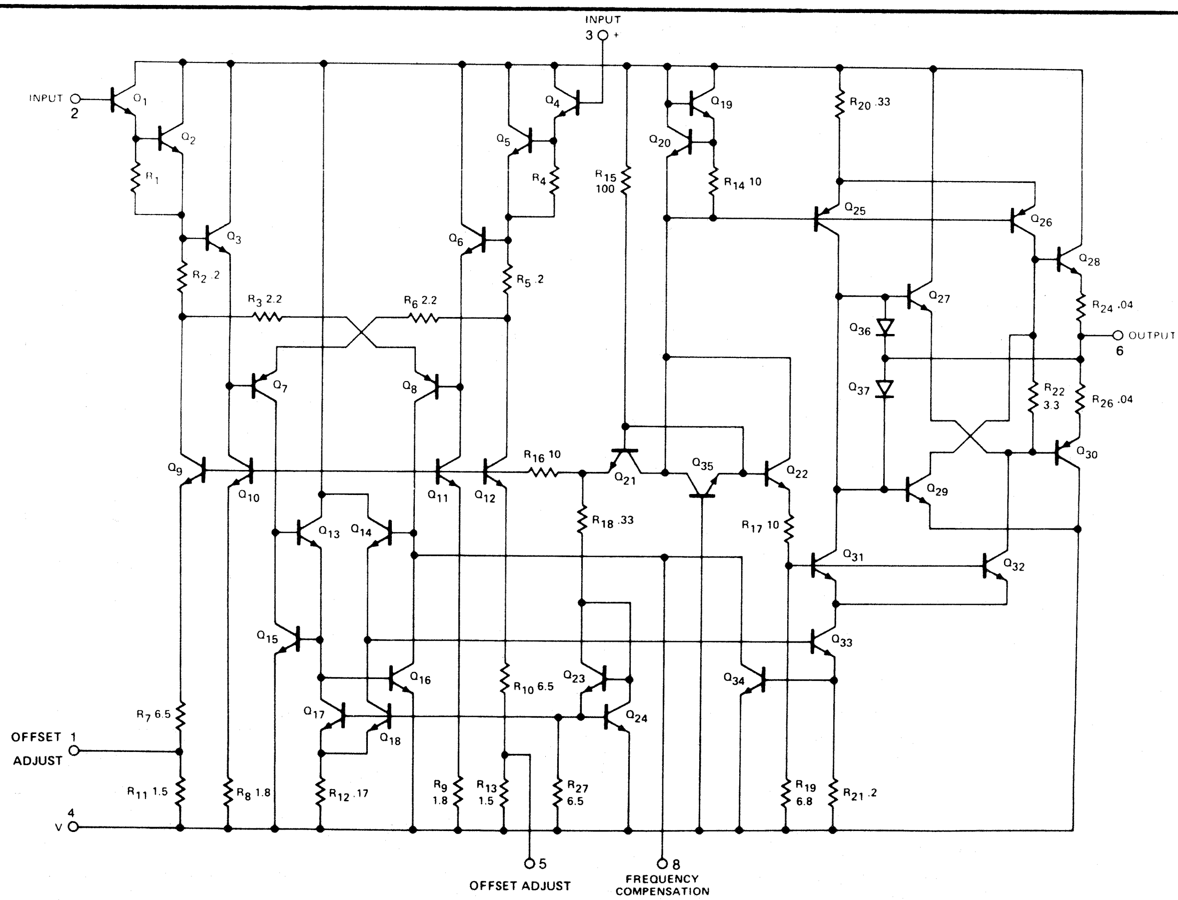


A421



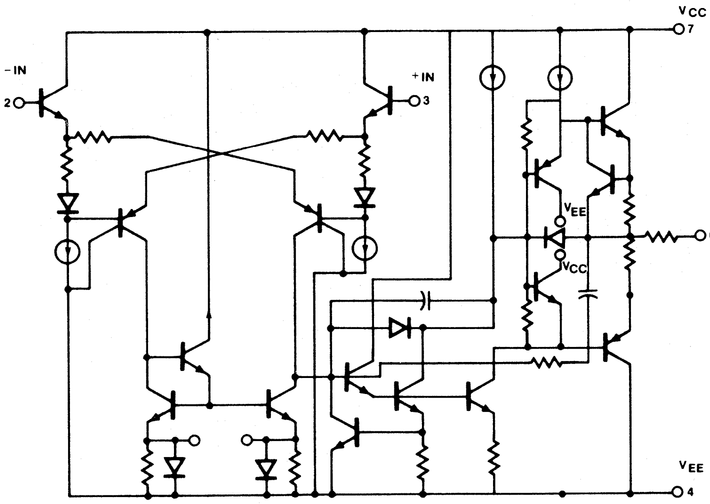
A421a

A422



A423

(EACH AMPLIFIER)



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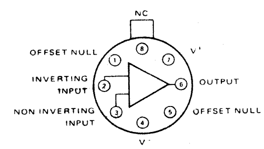
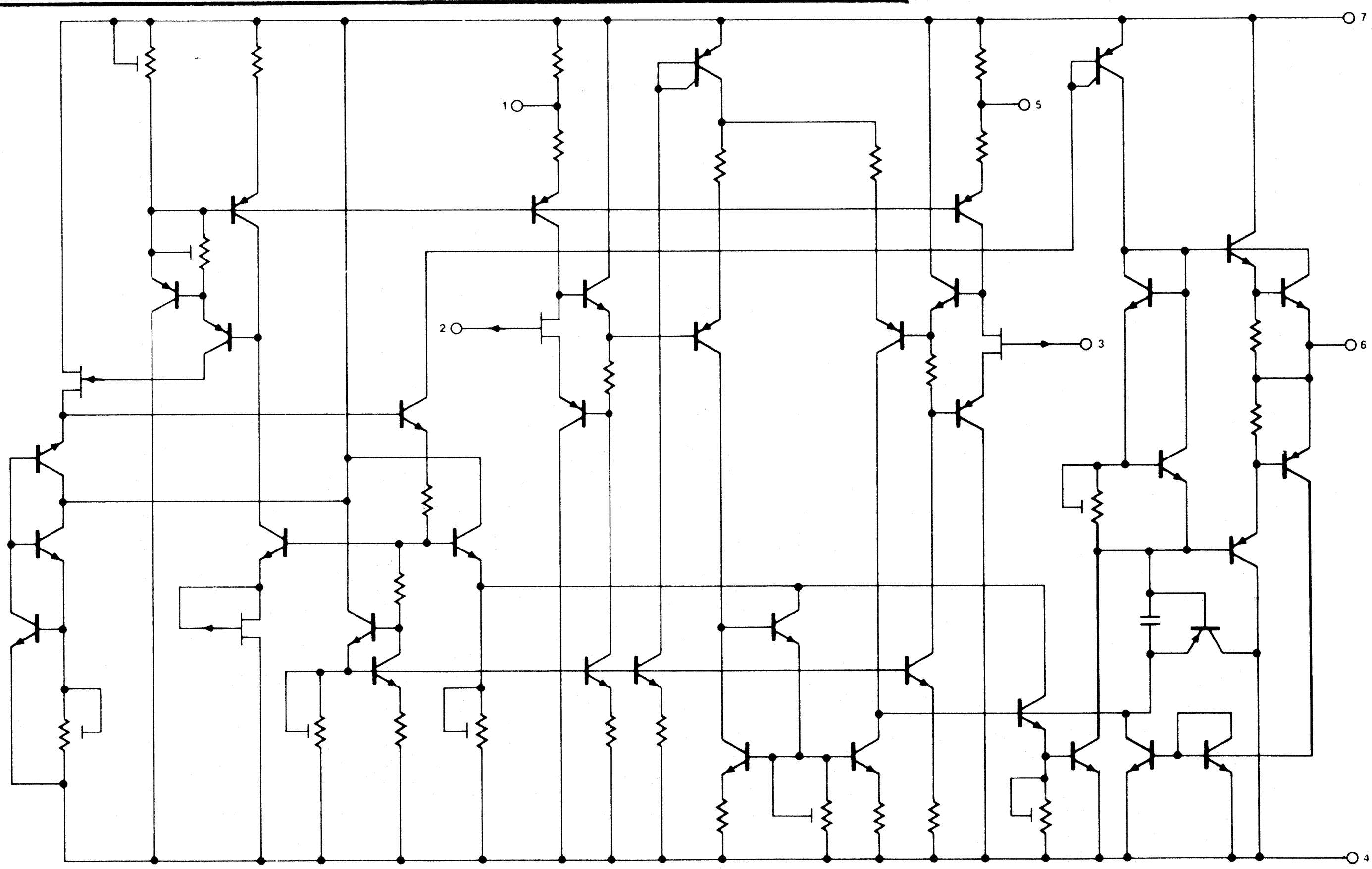
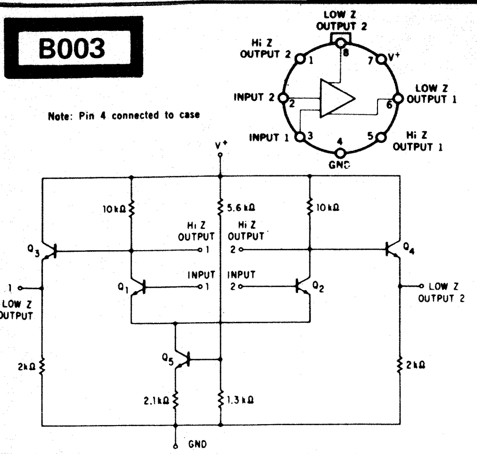
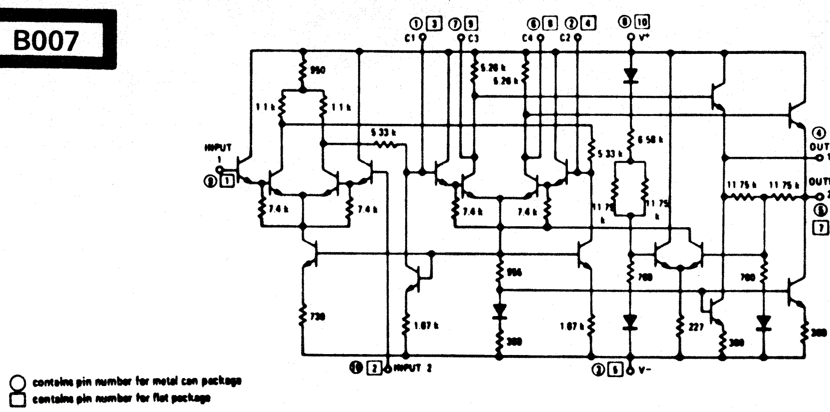




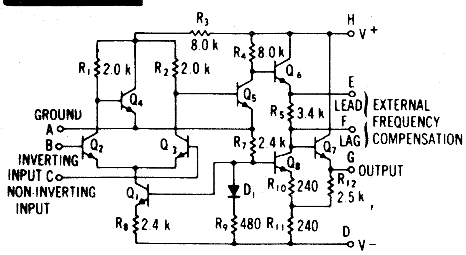
B003



B007

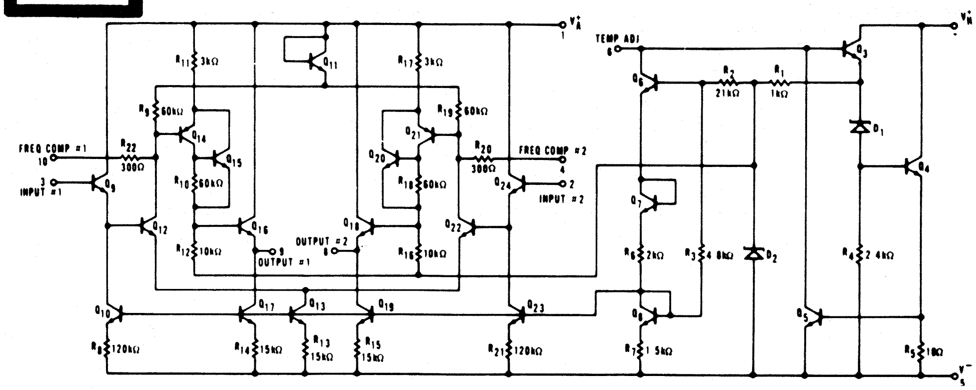


B010

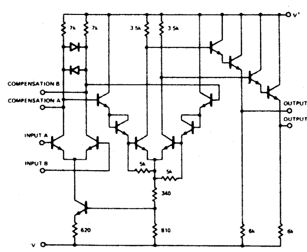


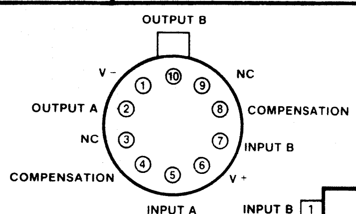
PACKAGE	A	B	C	D	E	F	G	H
TO99	1	2	3	4	5	6	7	8
TO91	2	3	4	5	6	7	8	10
MP	3	4	5	6	9	10	12	13

B011

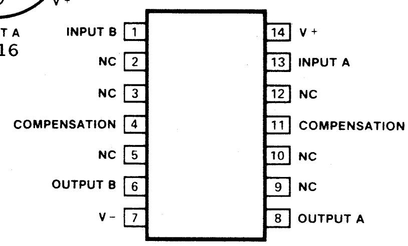


B016



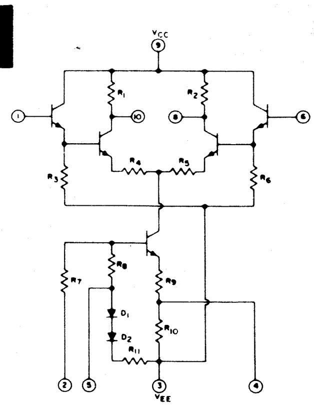


B016

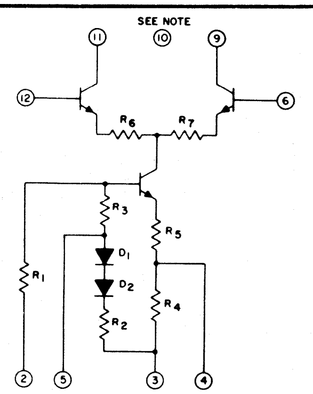


B016a

B018

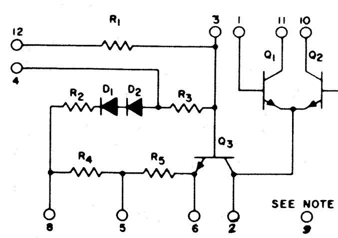


B019



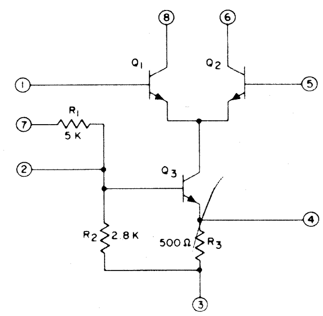
NOTE: Connect Terminal No. 10 to most positive dc supply voltage used for circuit.

B020

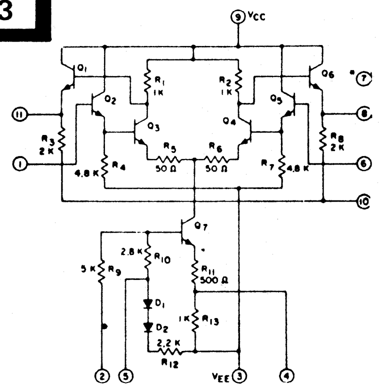


NOTE: Connect Terminal No. 9 to most positive dc supply voltage used for circuit.

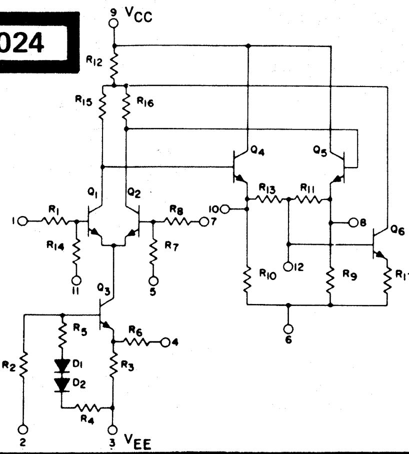
B021



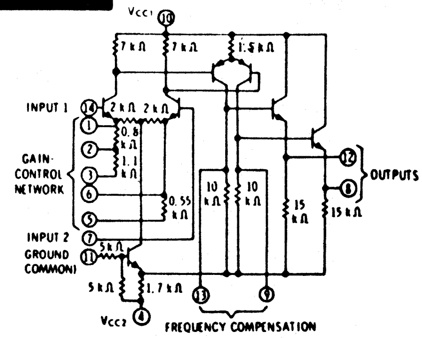
B023



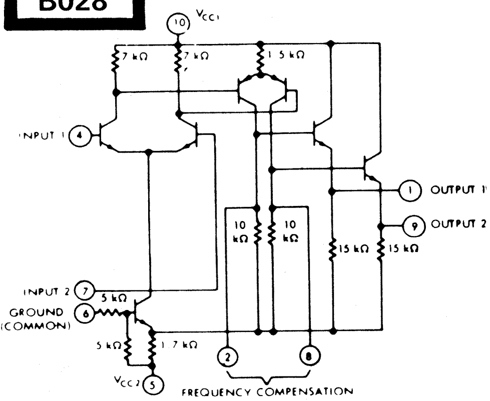
B024



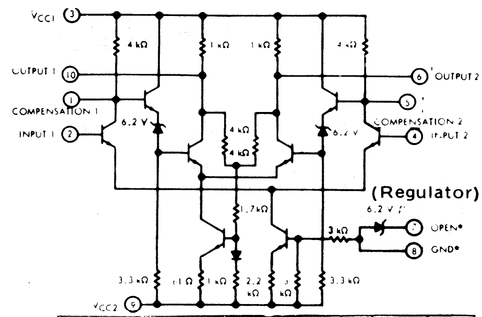
B025



B028

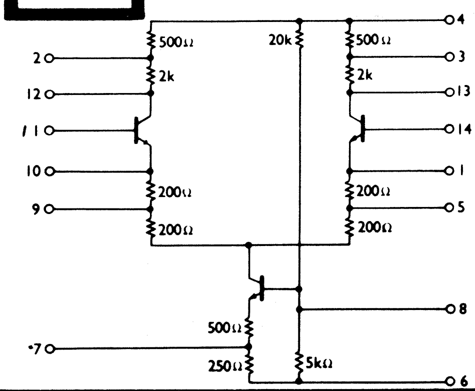


B029

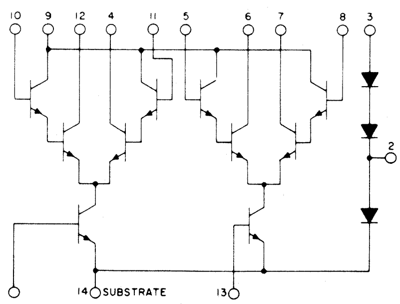


	VCC 1	OUT 1	COMP 1	IN 1	VCC 2	OUT 2	COMP 2	IN 2	OPEN (REG)	COM
B029	3	10	1	2	9	6	5	4	7	8
B029a	4	13	2	3	12	9	6	5	10	11

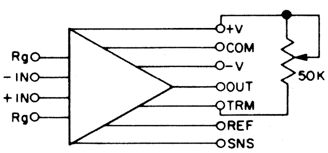
B036



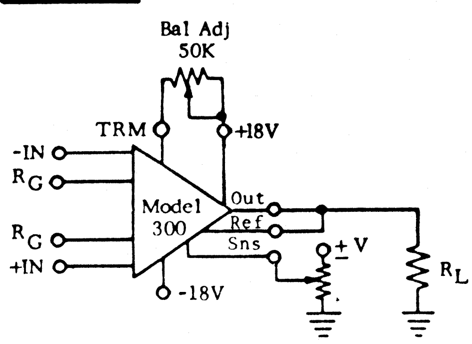
B038



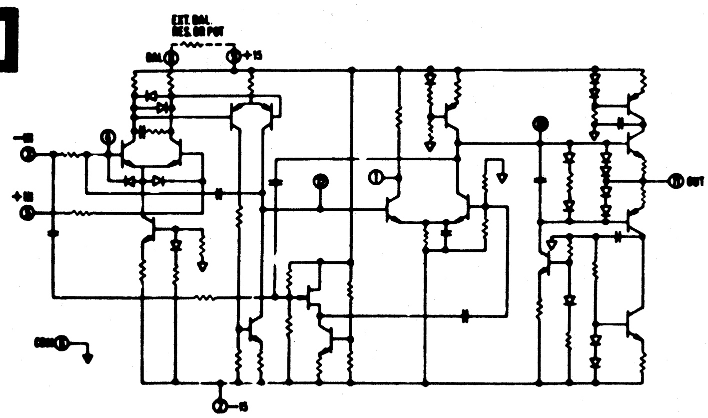
B041



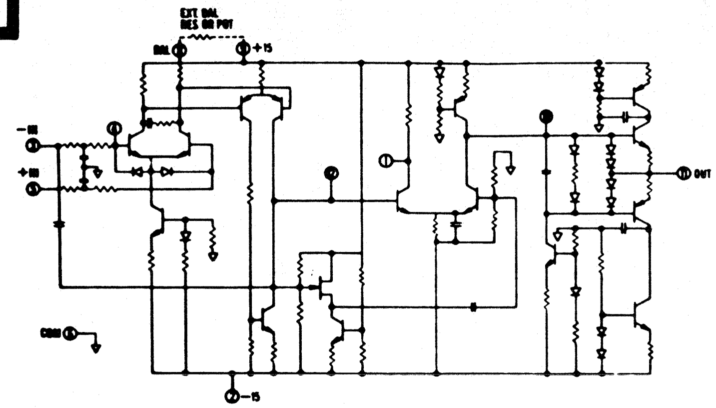
B042



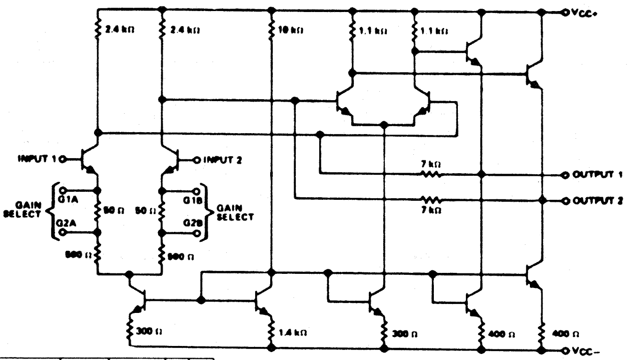
B043



B044



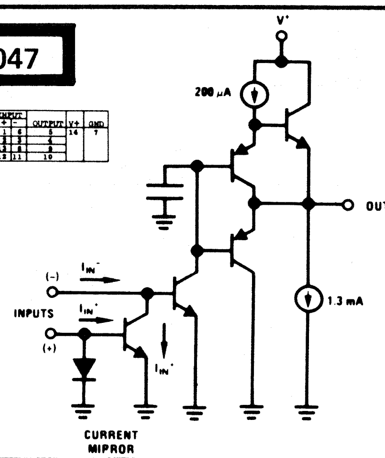
B046



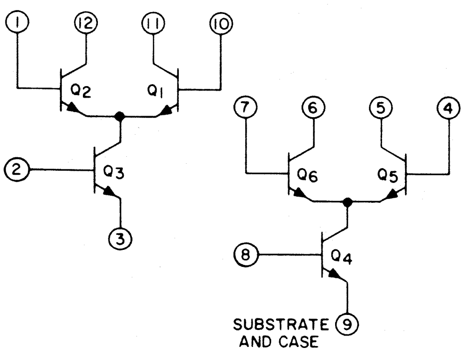
		GAIN SELECT				INPUT		OUTPUT		V+	V-
	PKG	1A	2A	1B	2B	1	2	1	2		
B046	TO99	9	10	4	3	1	2	7	6	8	5
	MP	4	3	11	12	1	14	7	8	10	5
B046a	FP	3	2	8	9	1	10	5	6	7	4

B047

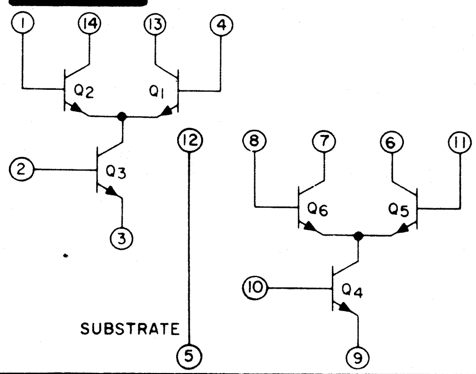
	CKT	INPUT +	INPUT −	OUTPUT	V+	GND
B047	1	1	6	5	14	7
	2	2	3	4		
	3	13	8	9		
	4	12	11	10		



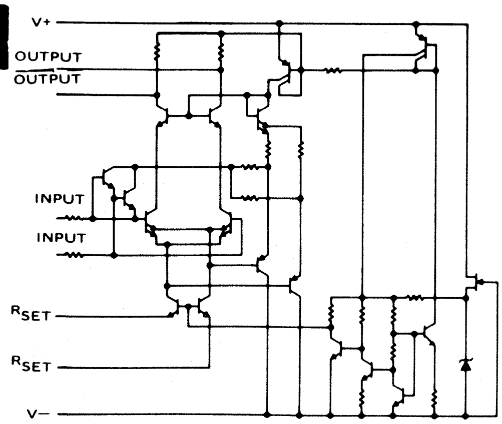
B048



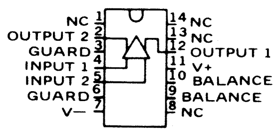
B049



B050



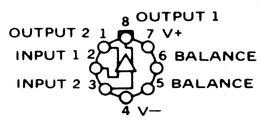
DUAL-IN-LINE PACKAGE



NOTE: PIN 6 - CONNECTED TO BOTTOM OF PACKAGE

TOP VIEW

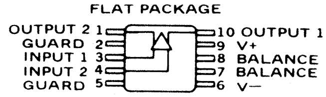
METAL CAN PACKAGE



NOTE: PIN 4 - CONNECTED TO CASE.

TOP VIEW

FLAT PACKAGE

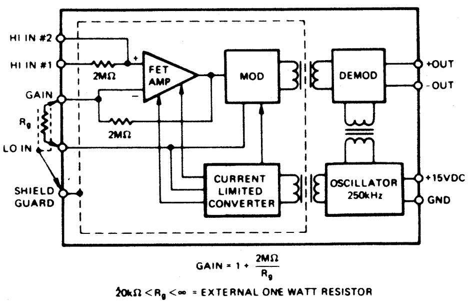


NOTE: PIN 7 - CONNECTED TO BOTTOM OF PACKAGE

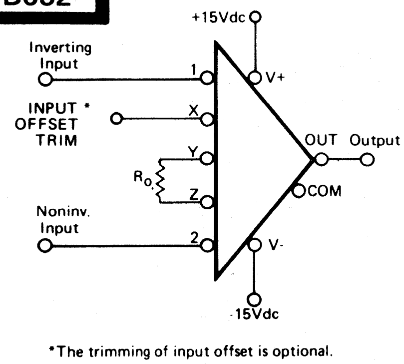
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

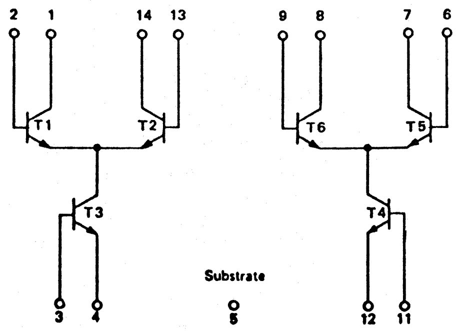
B051



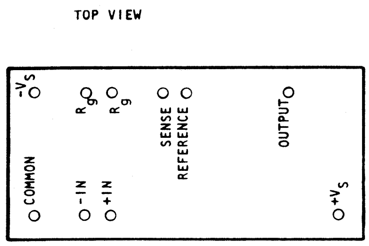
B052



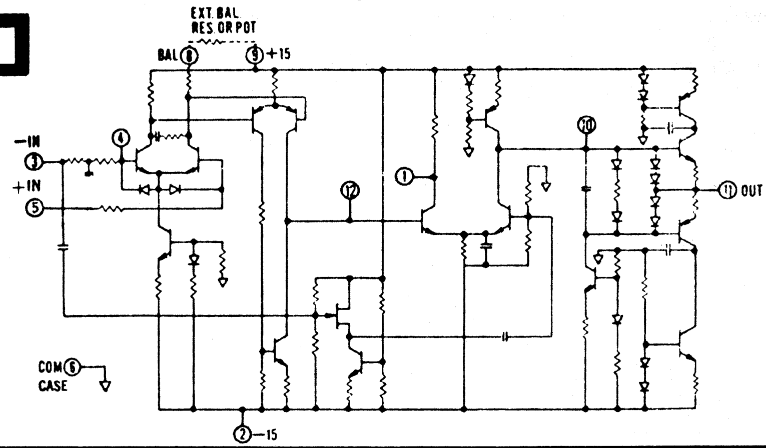
B057



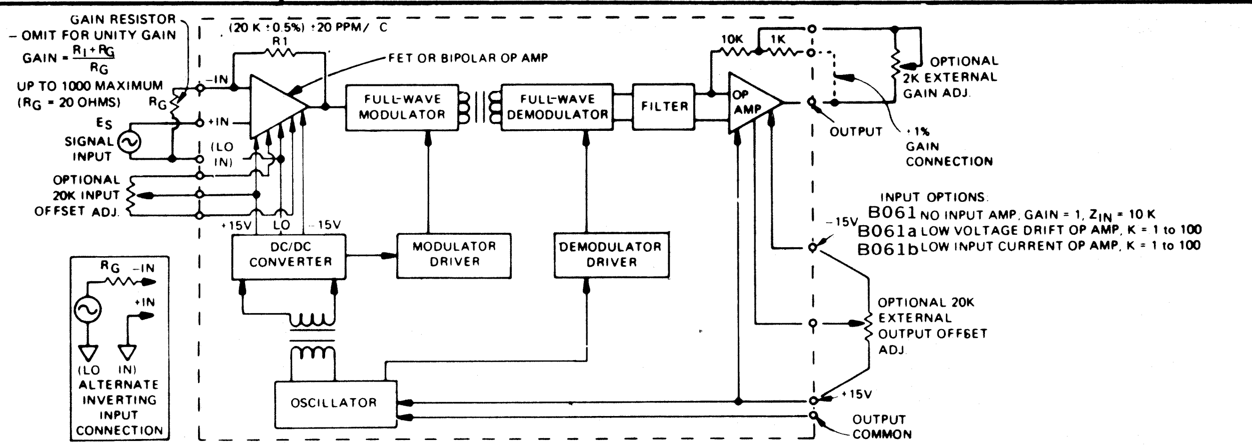
B059



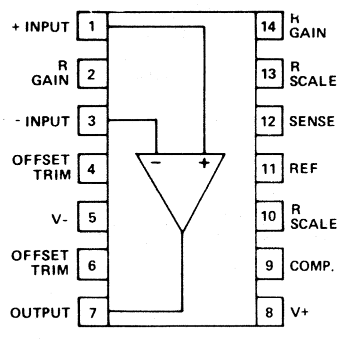
B060



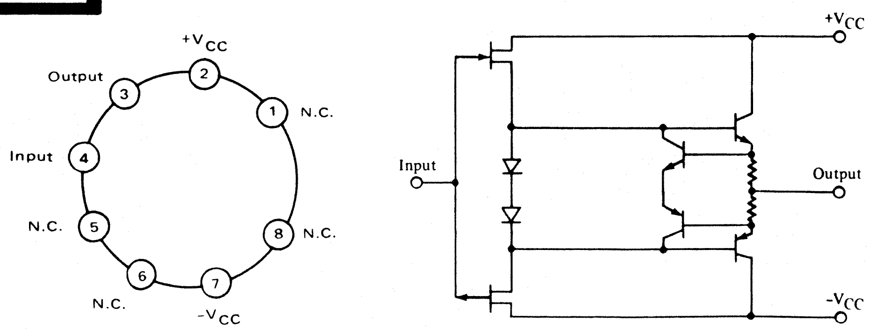
B061



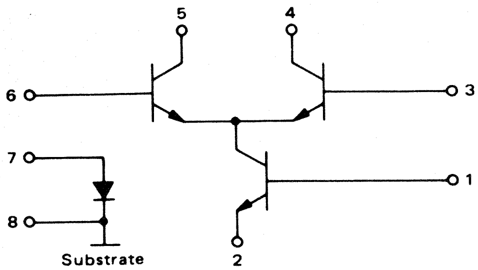
B062



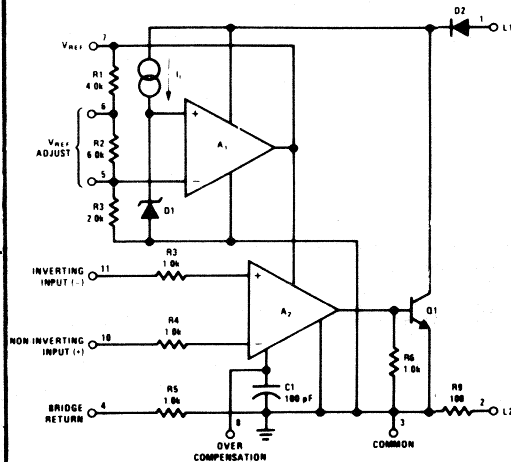
B063



B064

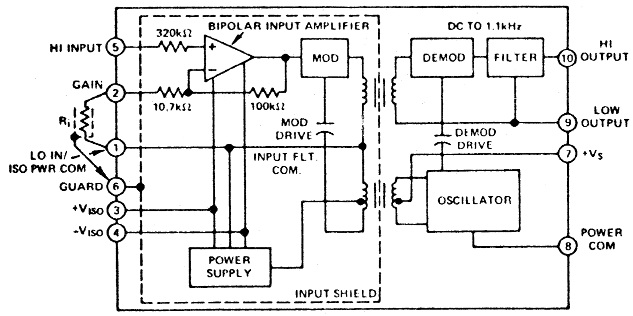


B066



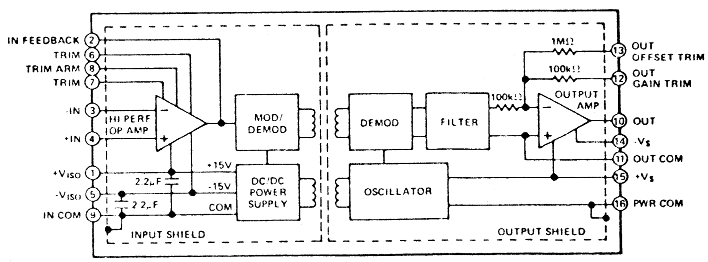
*NOTE PINS SHOWN ARE FOR THE 12 PIN TO 8 ("G") PACKAGE

B067

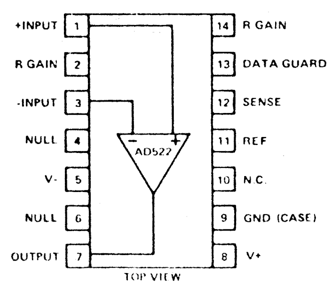


$$GAIN = 1 + \frac{100k\Omega}{10.7k\Omega + R_i(k\Omega)} \quad (1V/V \text{ TO } 10V/V)$$

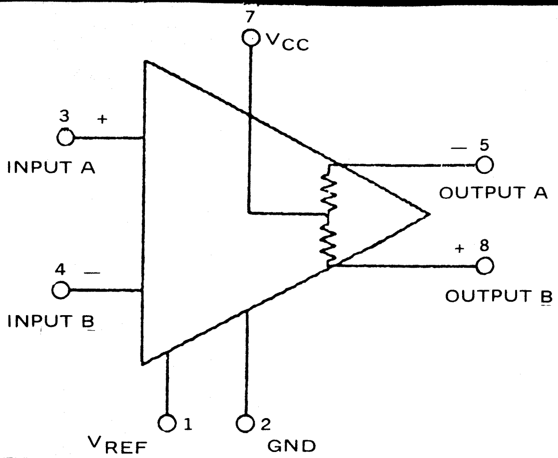
B068



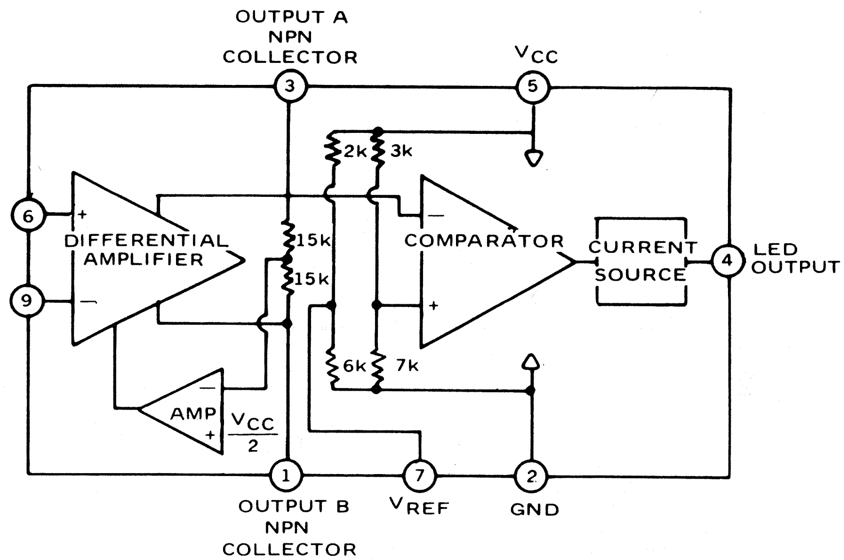
B069



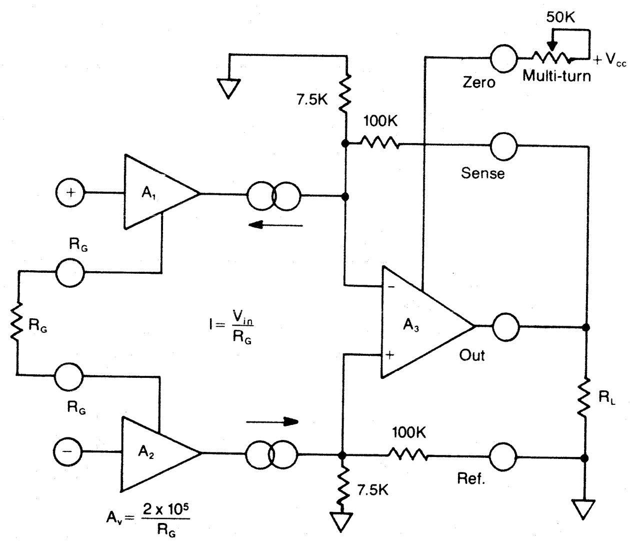
B070


7
VCC
3 +
INPUT A
4 —
INPUT B
— 5
OUTPUT A
+ 8
OUTPUT B
1
VREF
2
GND

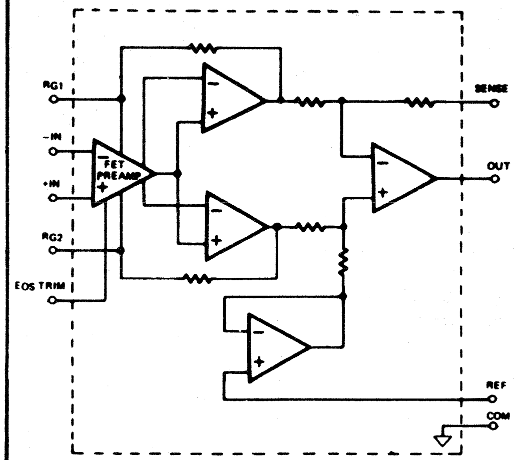
B071


OUTPUT A
NPN
COLLECTOR
VCC
3
5
2k
3k
6
9
DIFFERENTIAL
AMPLIFIER
15k
15k
COMPARATOR
CURRENT
SOURCE
4
LED
OUTPUT
6k
7k
AMP
VCC
2
1
7
2
OUTPUT B
NPN
COLLECTOR
VREF
GND

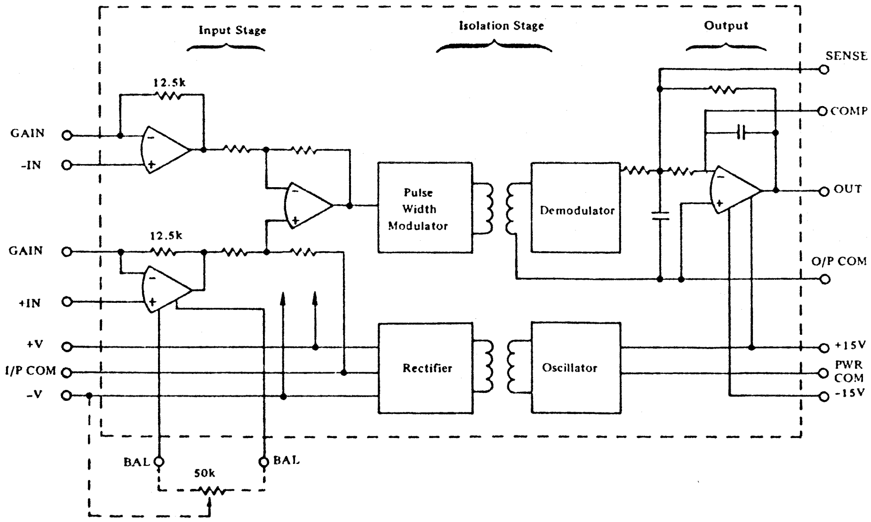
B072



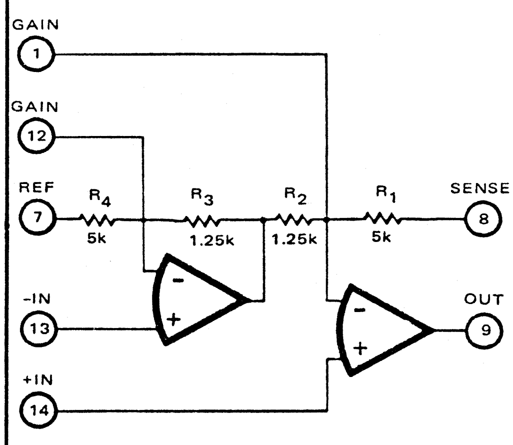
B073



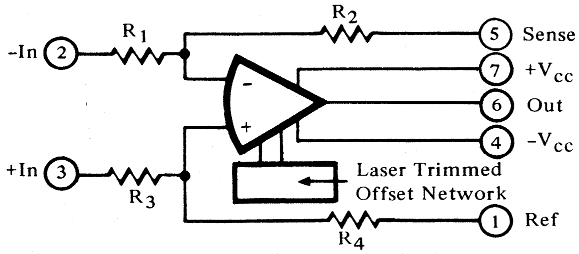
B074



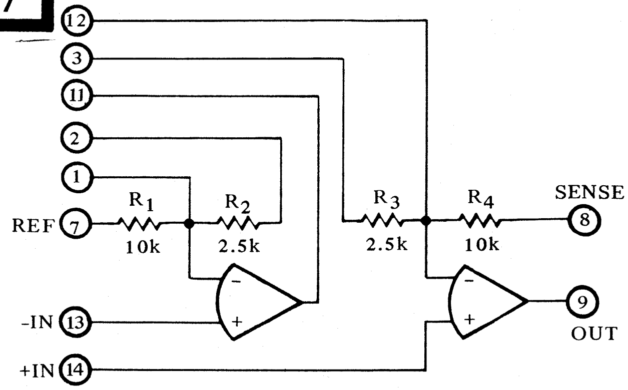
B075



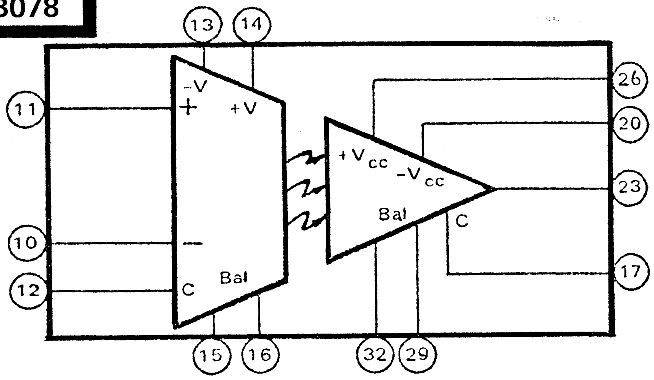
B076



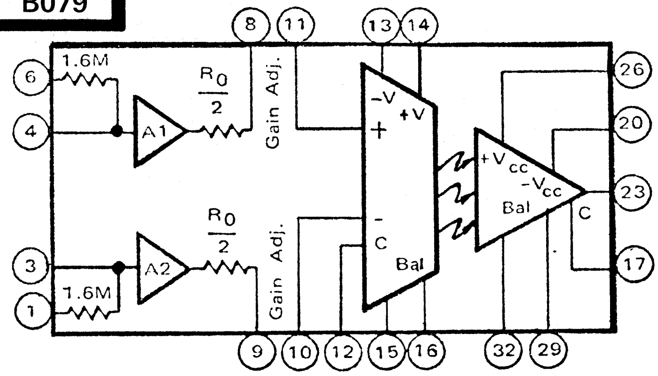
B077



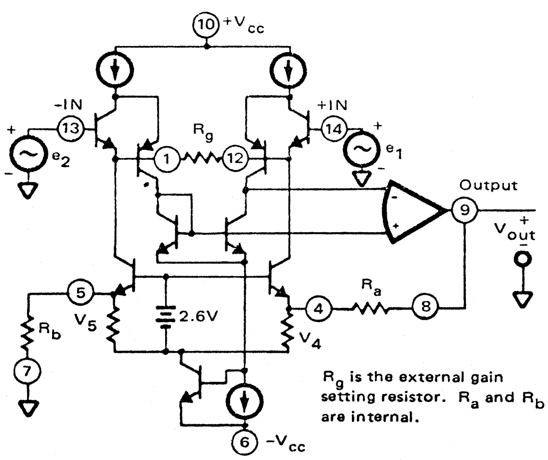
B078



B079

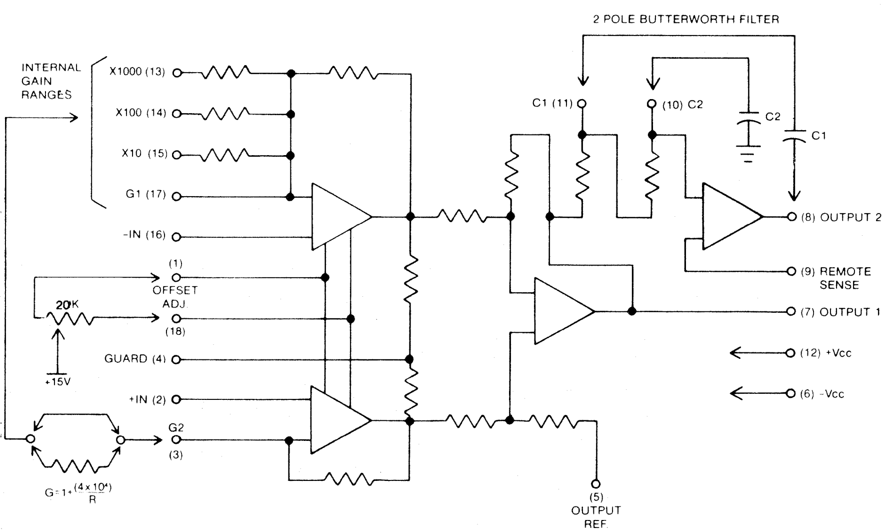


B080



R_g is the external gain setting resistor. R_a and R_b are internal.

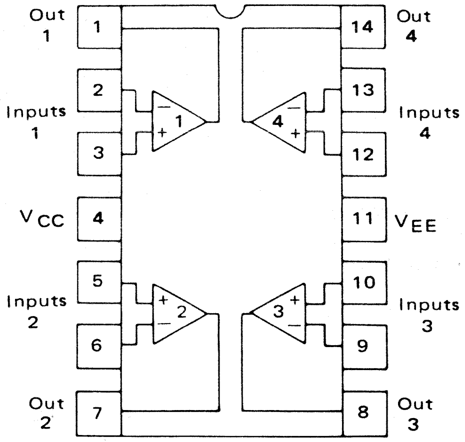
B081

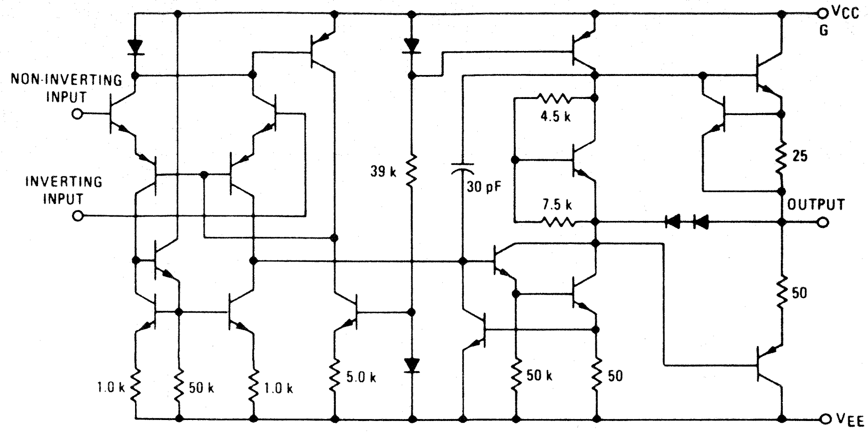


13. CIRCUIT DRAWINGS

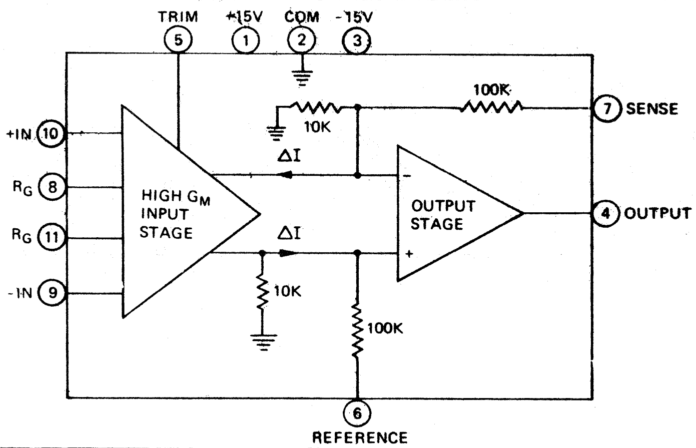
IN DRAWING NUMBER SEQUENCE

B082

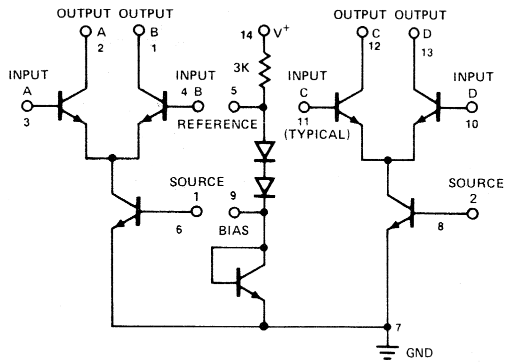




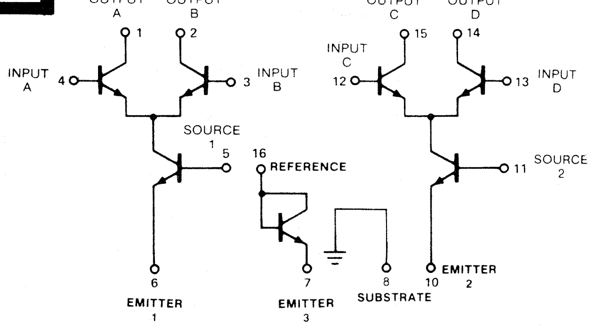
B083



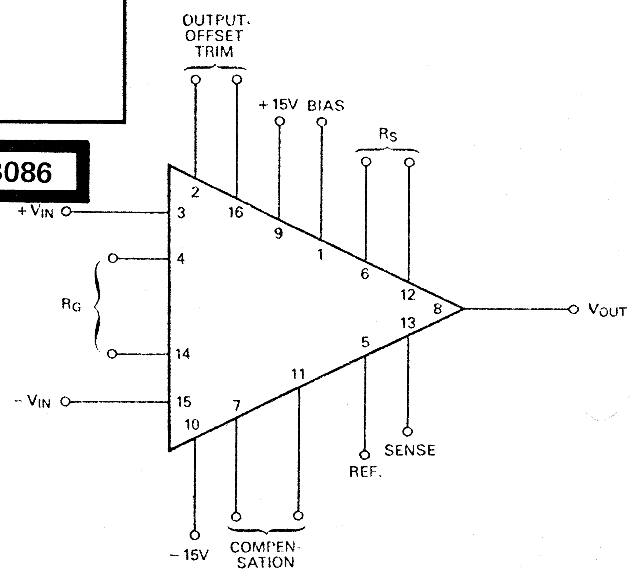
B084



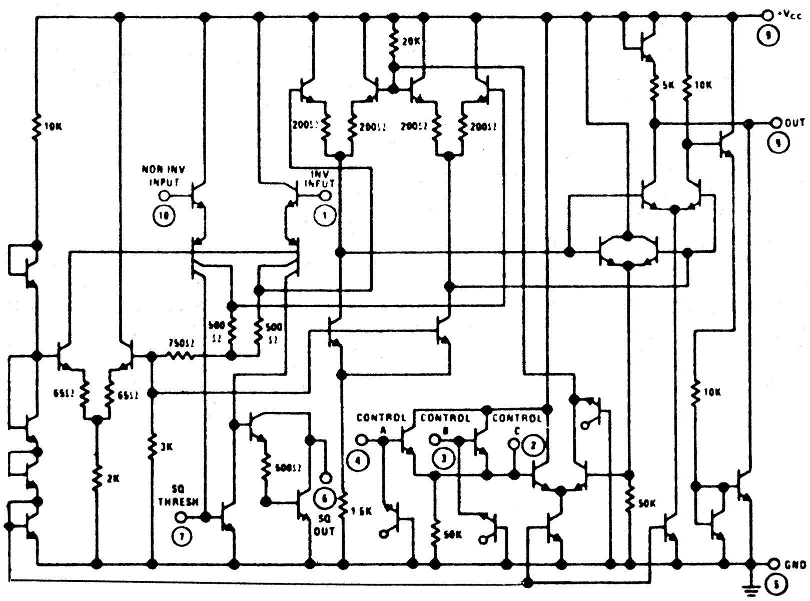
B085



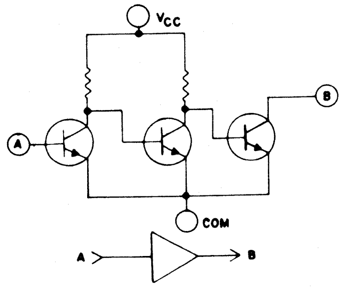
B086



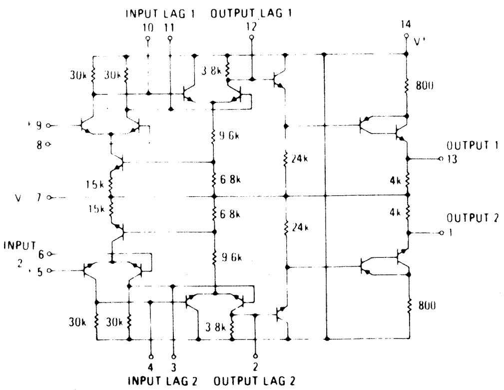
C004



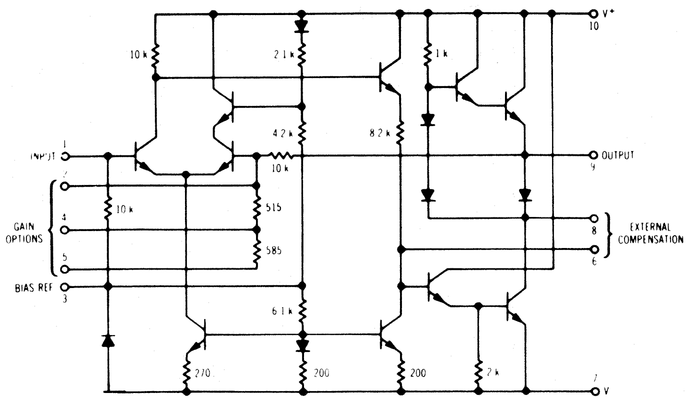
C011



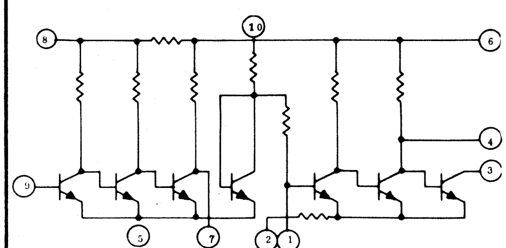
C016



C018



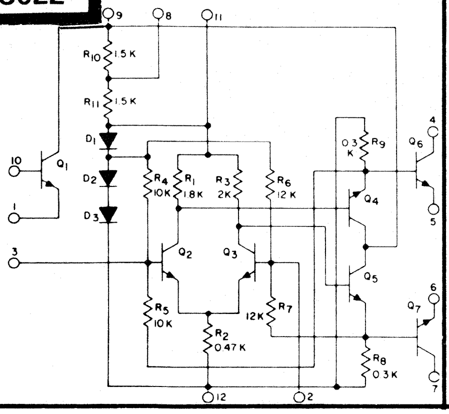
C021



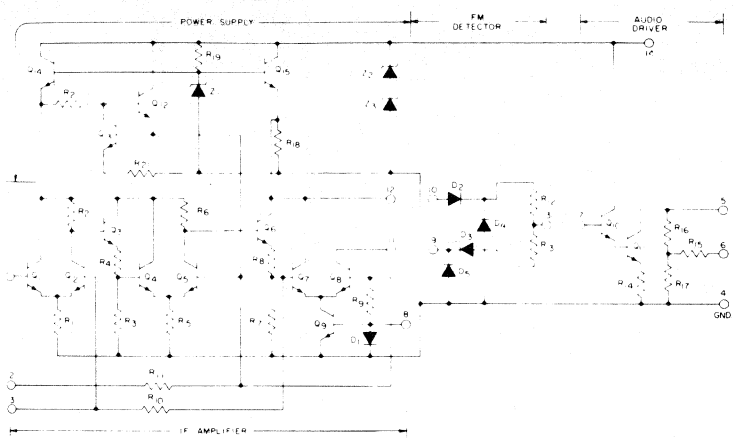
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

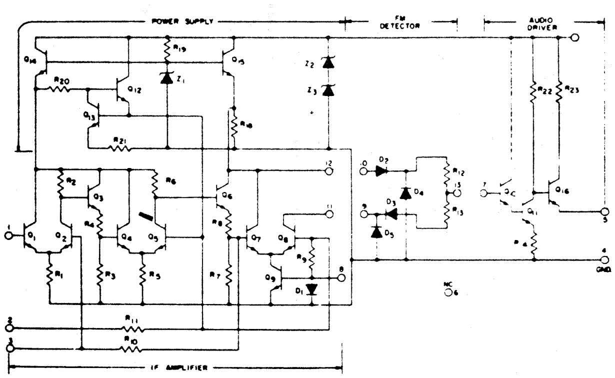
C022



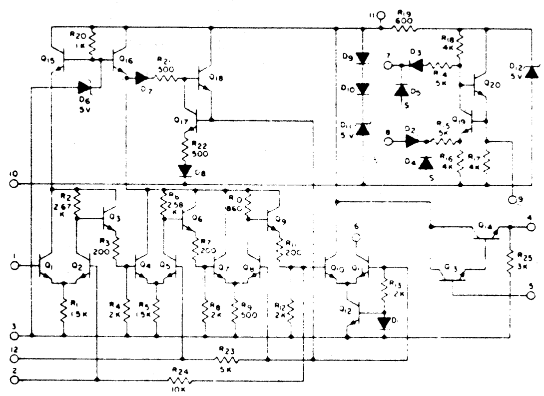
C024



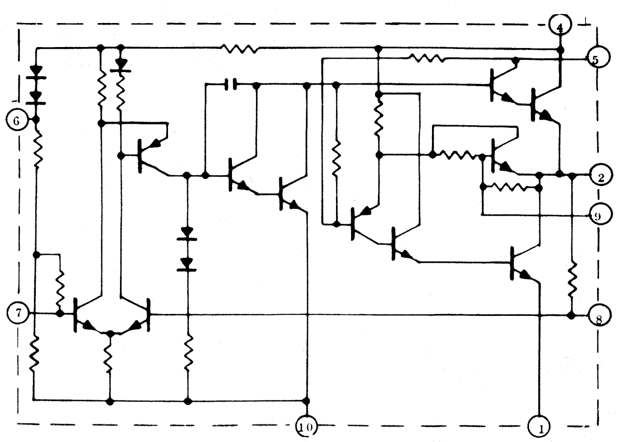
C025



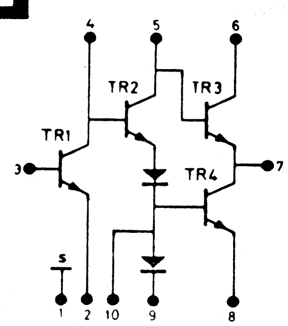
C026



C031

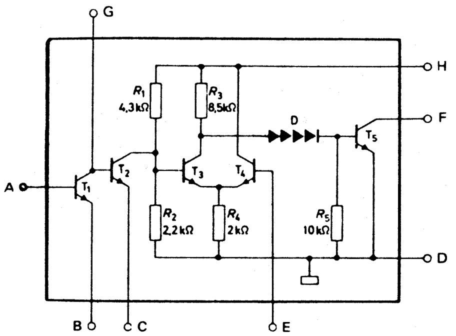


C032

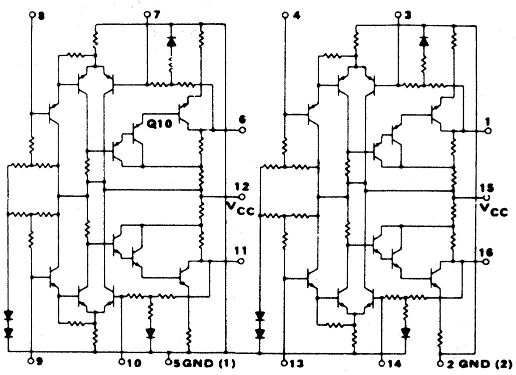


C036

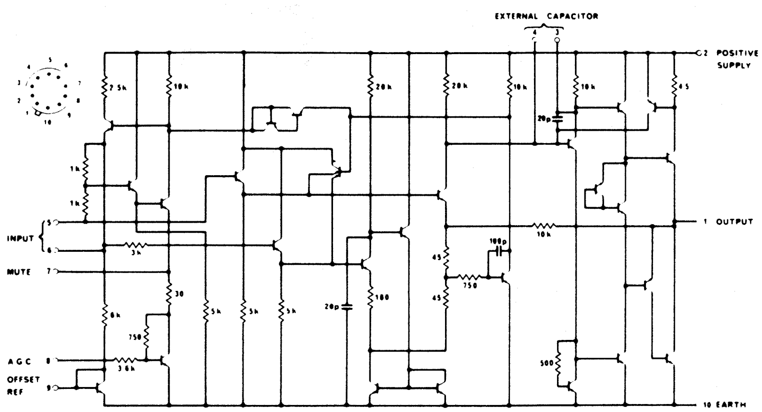
	A	B	C	D	E	F	G	H
C036	7	8	9	2	4	3	10	5
C036a	5	6	7	10	2	1	8	3



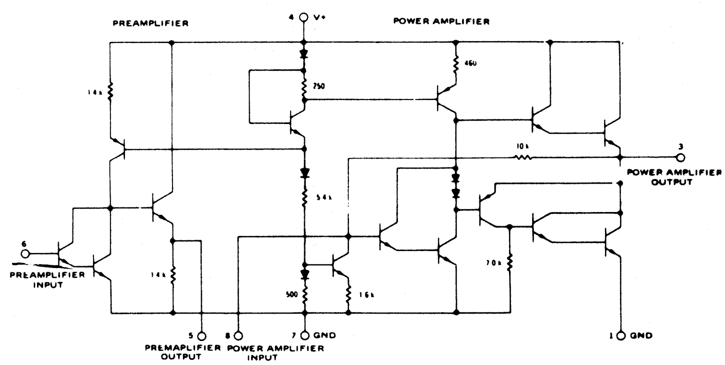
C047



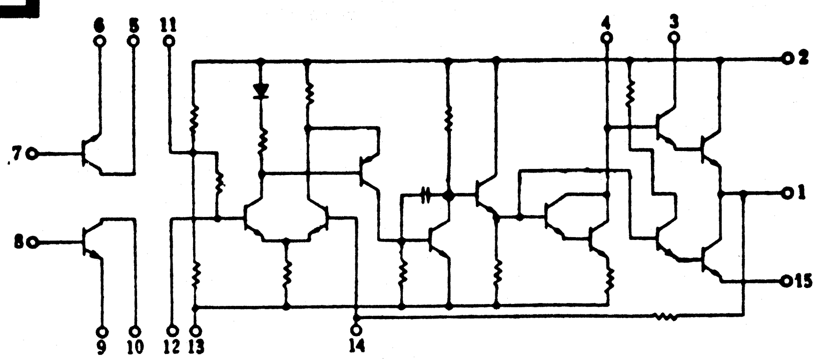
C050



C057

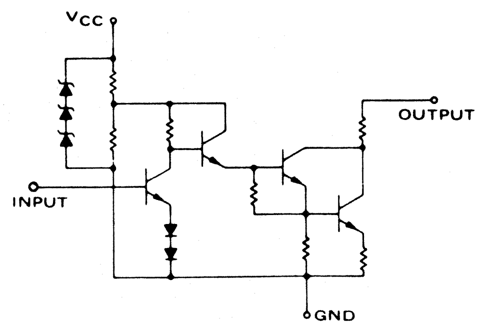


C062

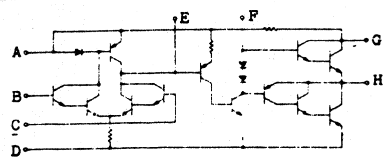


C067

	INPUT	OUTPUT	VCC	GND
C067	2	4	3	1
C067a	5	1	4	8

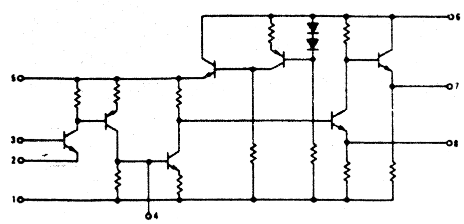


C070

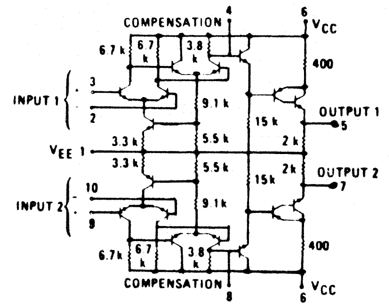


	A	B	C	D	E	F	G	H
C070	5	4	3	1	2	6	7	8
C070a	6	7	8	2,9	1	5	4	3

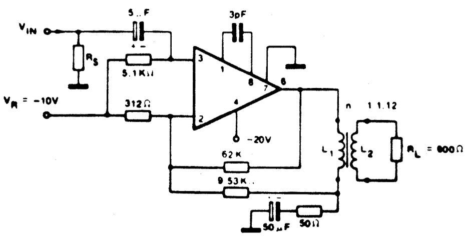
C072



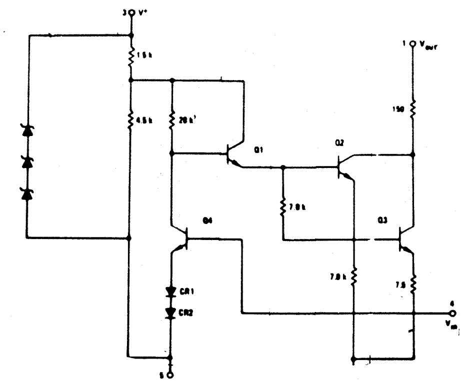
C073



C075

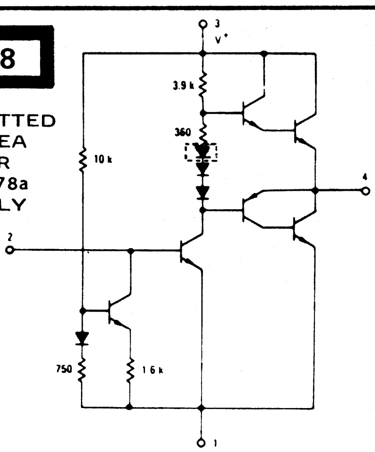


C077

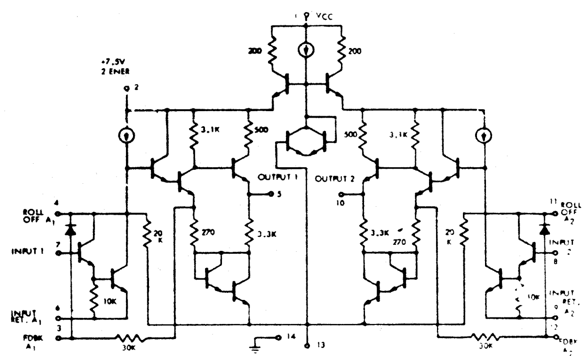


C078

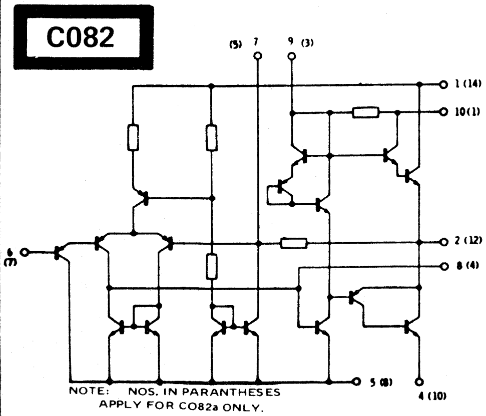
DOTTED AREA FOR CO78a ONLY



C080

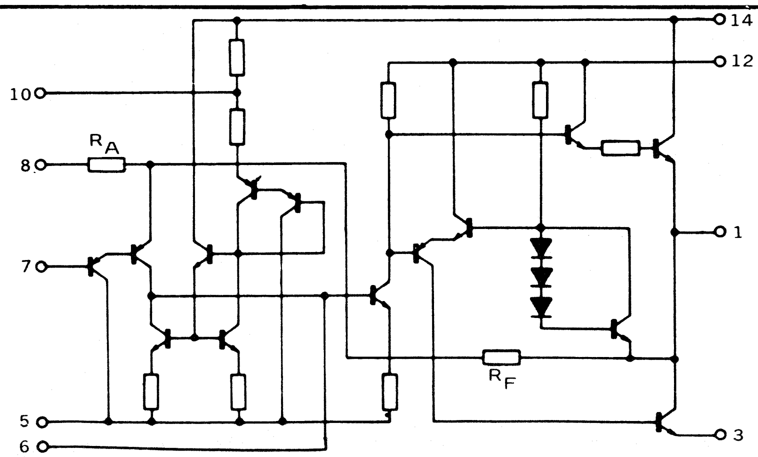


C082



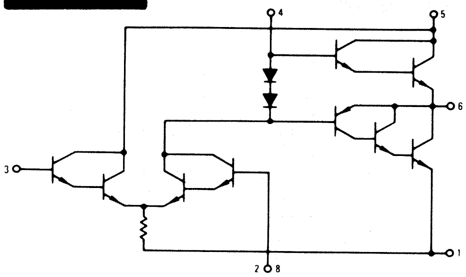
NOTE: NOS. IN PARANTHESES APPLY FOR CO82a ONLY.

C083



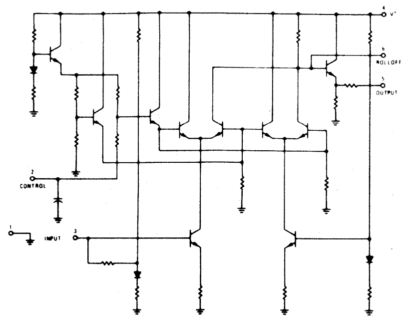
C086

Circuit Schematic

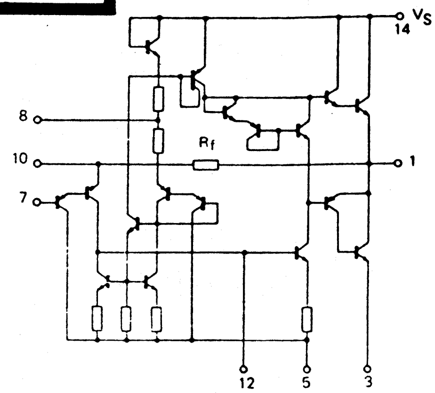


	A	B	C	D	E	F
C086	3	6	4	5	2,8	1
C086a	7	3	5	4	8	1,2,9

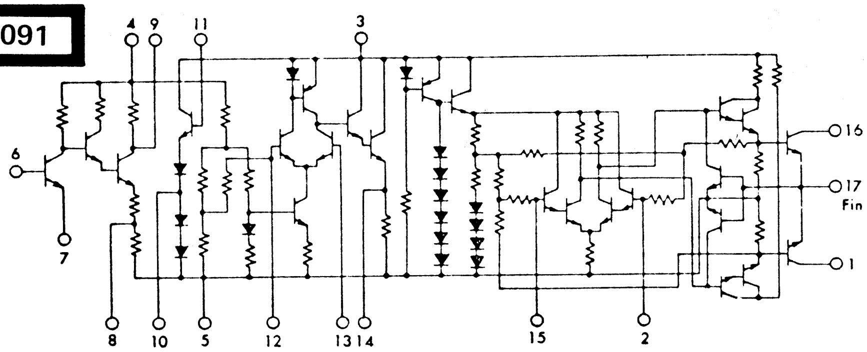
C088



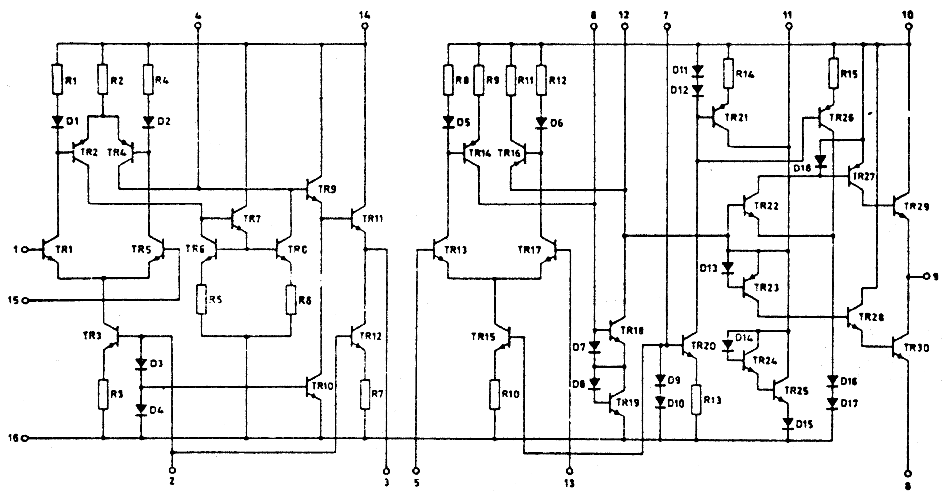
C089



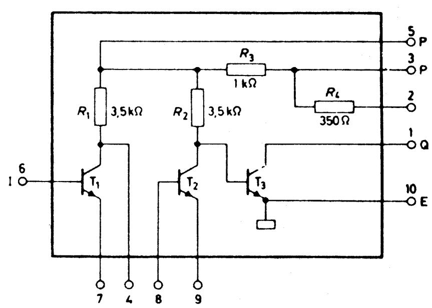
C091



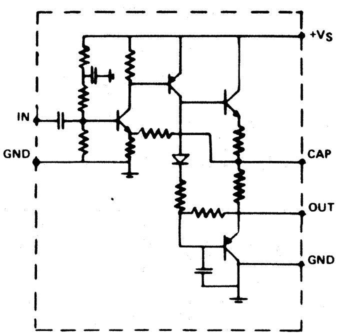
C092



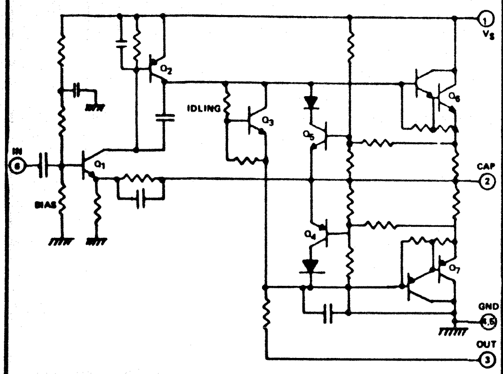
C093



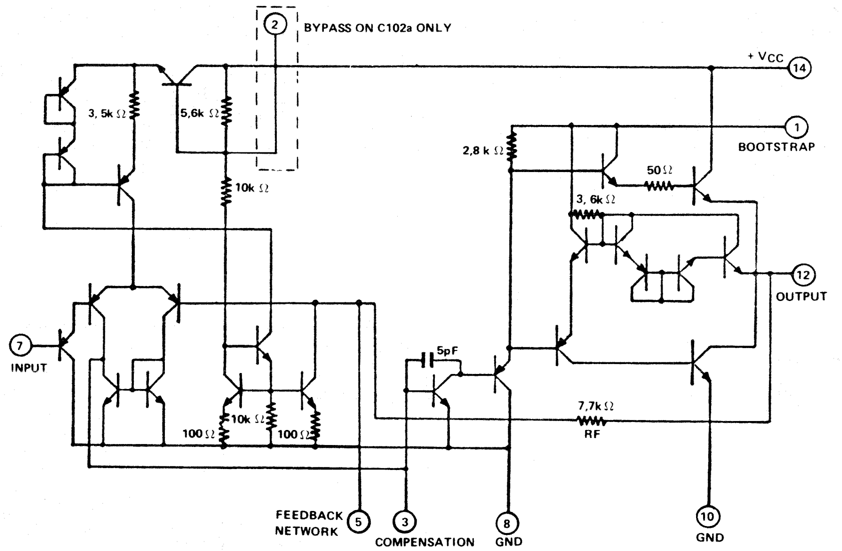
C100



C101

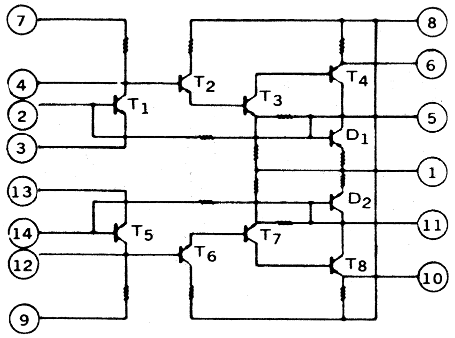


C102

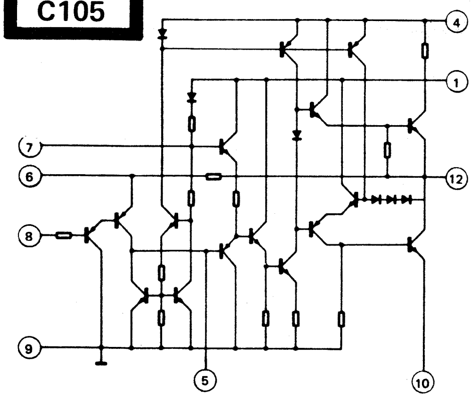


	PKG	BOOTSTRAP	COMPENSATION	FEEDBACK	INPUT	OUTPUT	GND	VCC	NC	BYPASS
C102	MP	1	3	5	7	12	8,10	14	2,4,6,9,11,13	NA
	CN	10	9	7	6	2	5,4	1	8	NA
C102a	MP	1	3	5	7	12	8,10	14	4,6,9,11,13	2

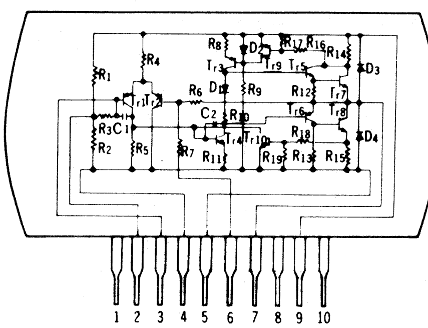
C103



C105



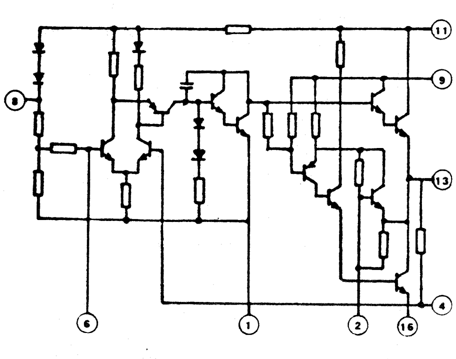
C106



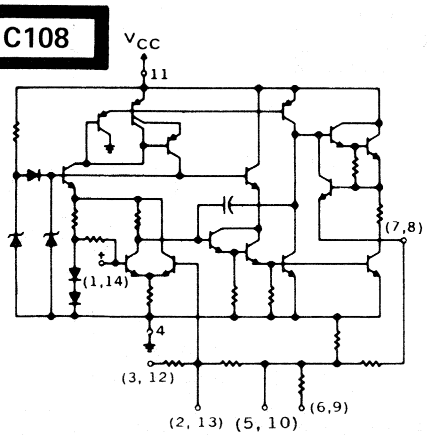
TERMINAL ASSIGNMENTS

A. With single power supply	B. With split (dual) power supply
1. Spare	1. Spare
2. +terminal of noise suppression capacitor	2. Input (−) & ground terminal
3. Input (+)	3. Input (+)
4. Input (−)	4. Not used
5. Ground for power supply & ground for output	5. Power supply (−Vcc)
6. Feedback	6. Feedback
7. Output	7. Output
8. Spare	8. Spare
9. Power supply (+)	9. Power supply (+Vcc)
10. Spare	10. Spare

C107



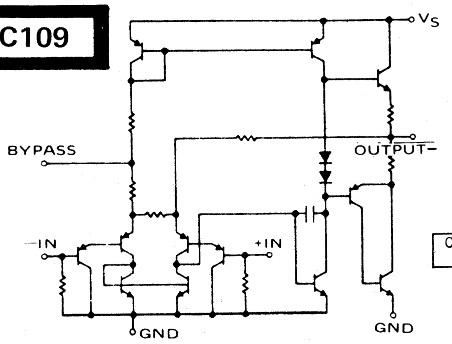
C108



13. CIRCUIT DRAWINGS

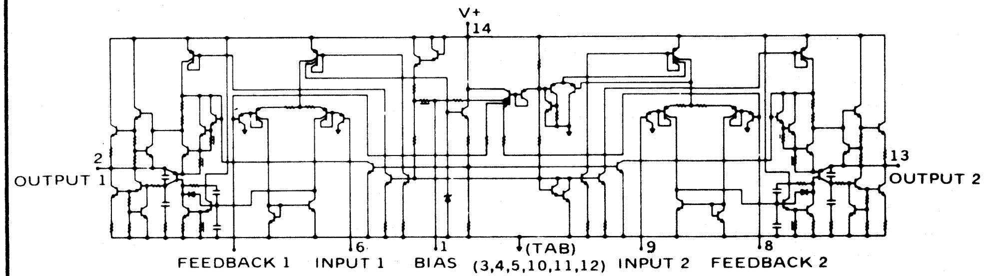
IN DRAWING NUMBER SEQUENCE

C109

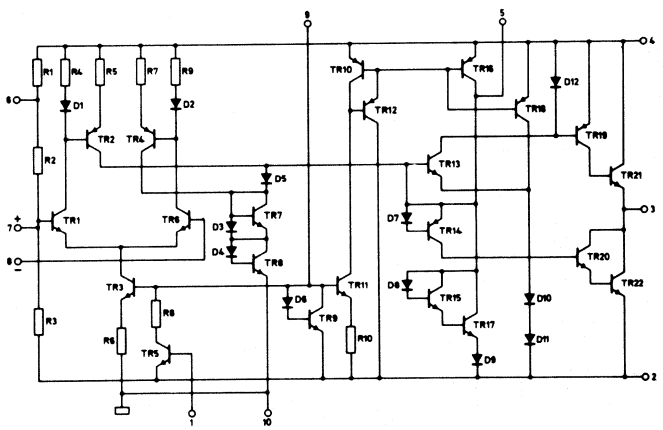


	LEADS	BYPASS	IN +	IN −	OUT	VS	GND
C109	14	1	2	6	8	14	3,4,5,10,11,12
	8	8	2	3	6	7	4,5

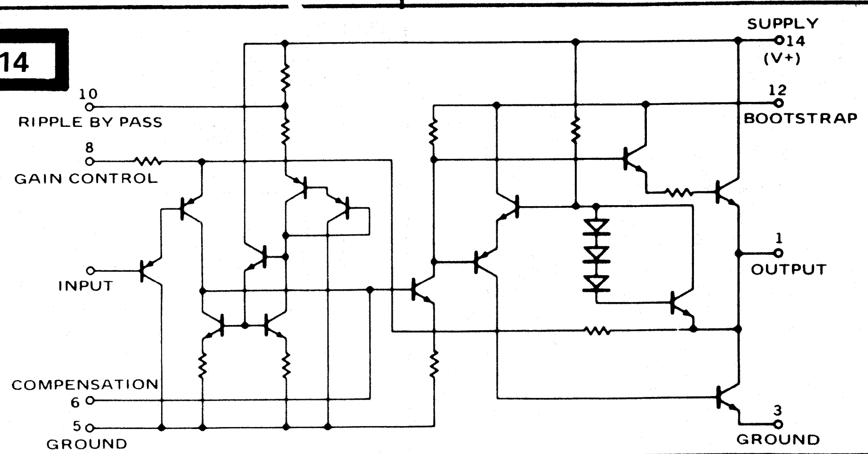
C110



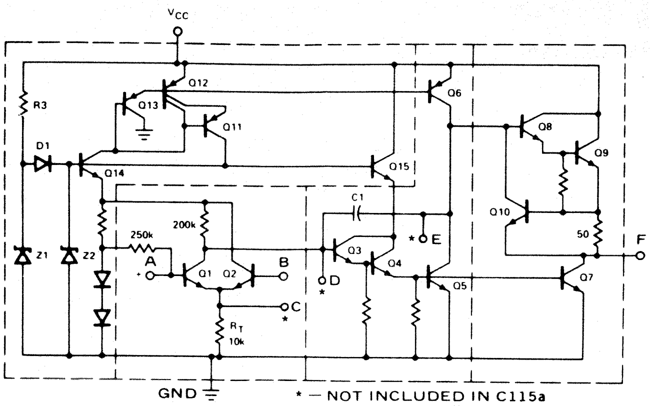
C113



C114

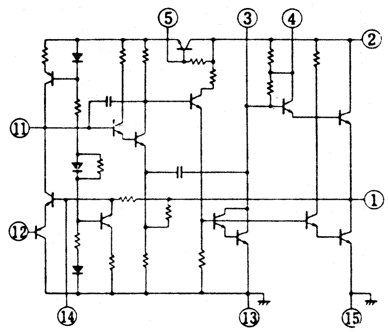


C115

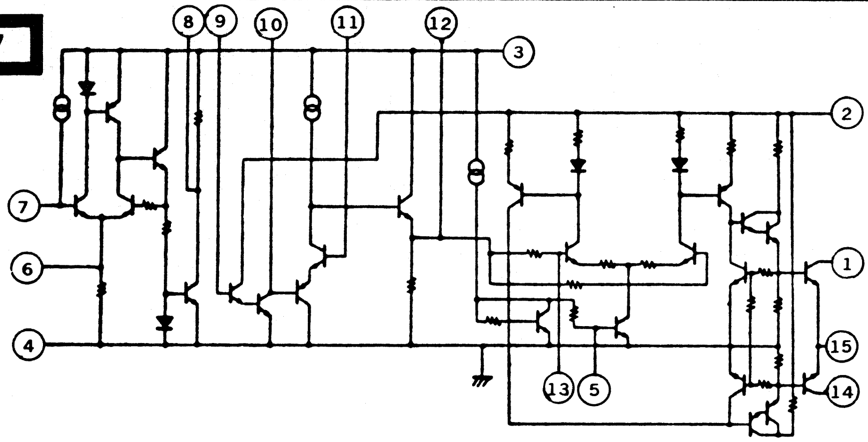


		A	B	C	D	E	F	Vcc	GND
C115	CKT 1	1	2	3	5	6	7	9	4
	CKT 2	14	13	12	11	10	8		
C115a	CKT 1	1	2				4	6	3
	CKT 2	8	7				5		

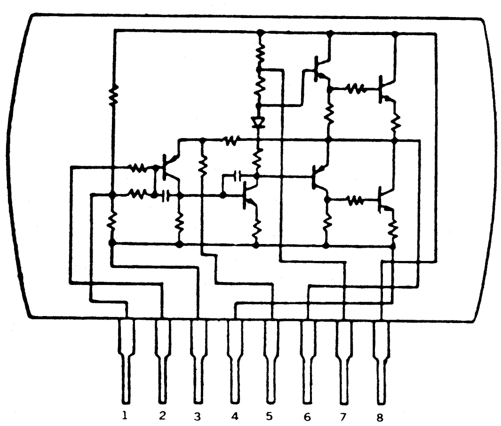
C116



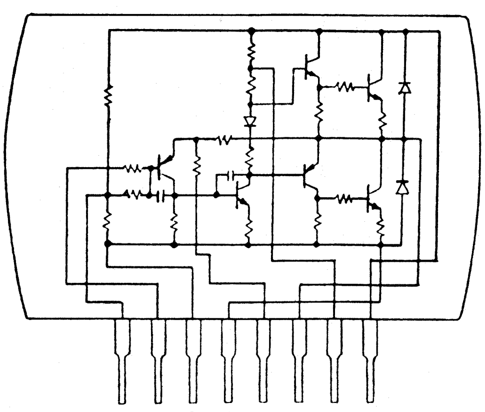
C117



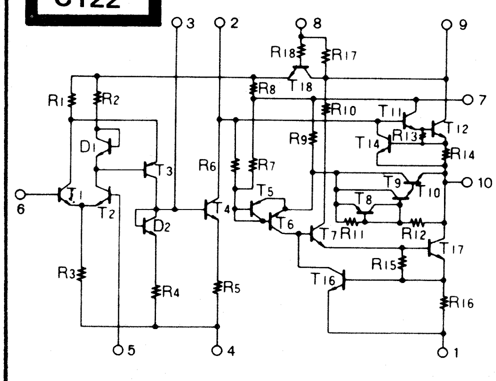
C119



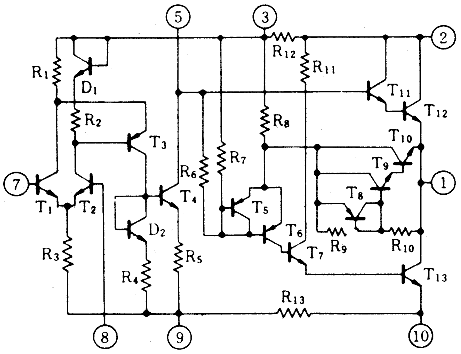
C120



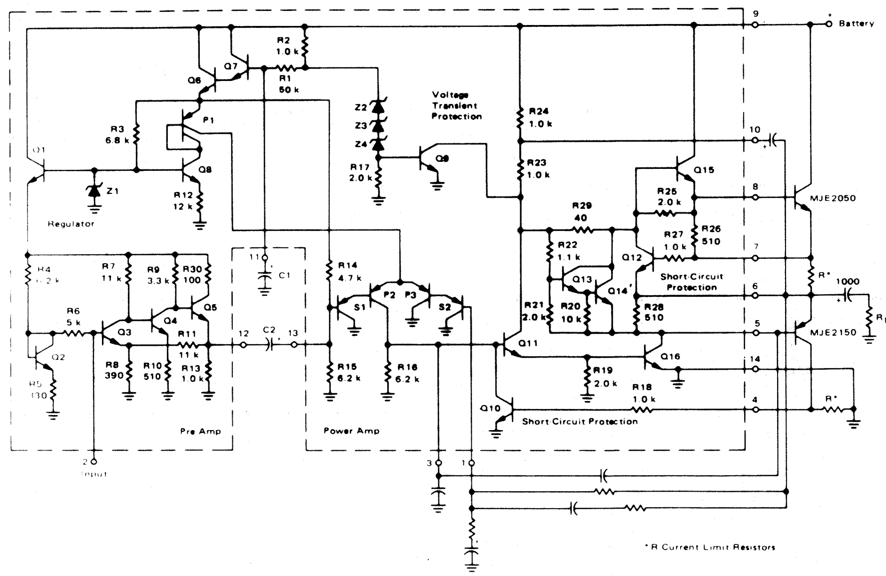
C122



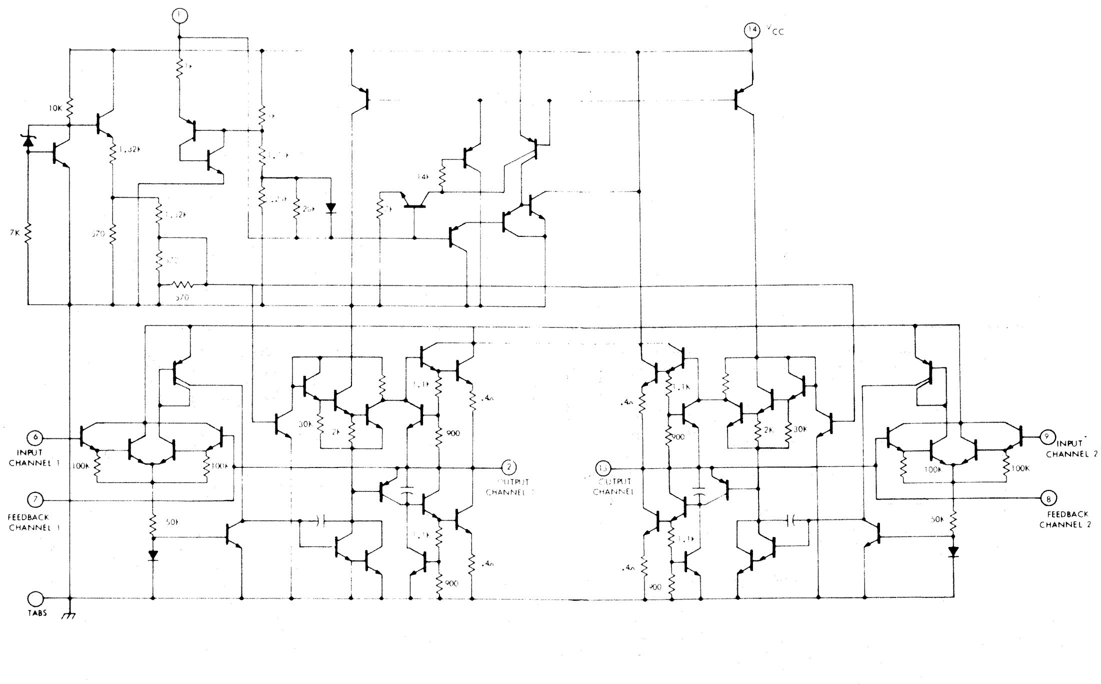
C123



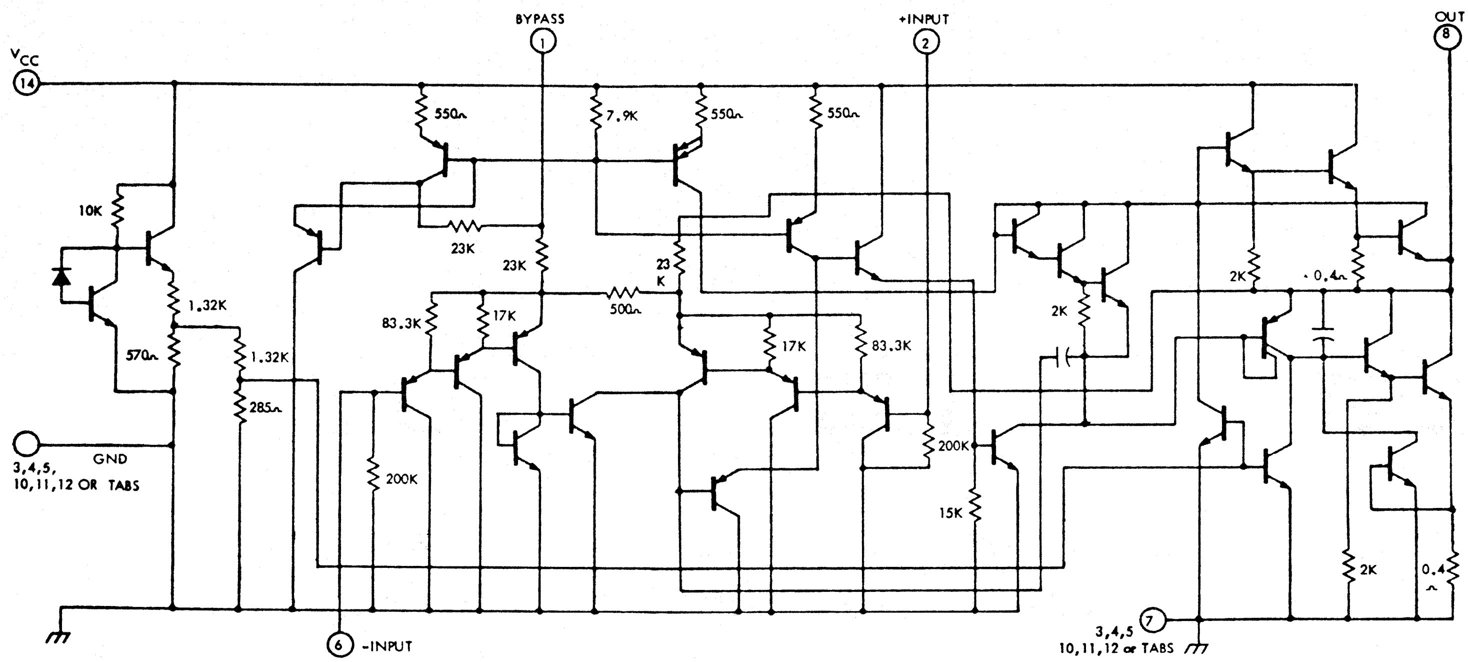
C124



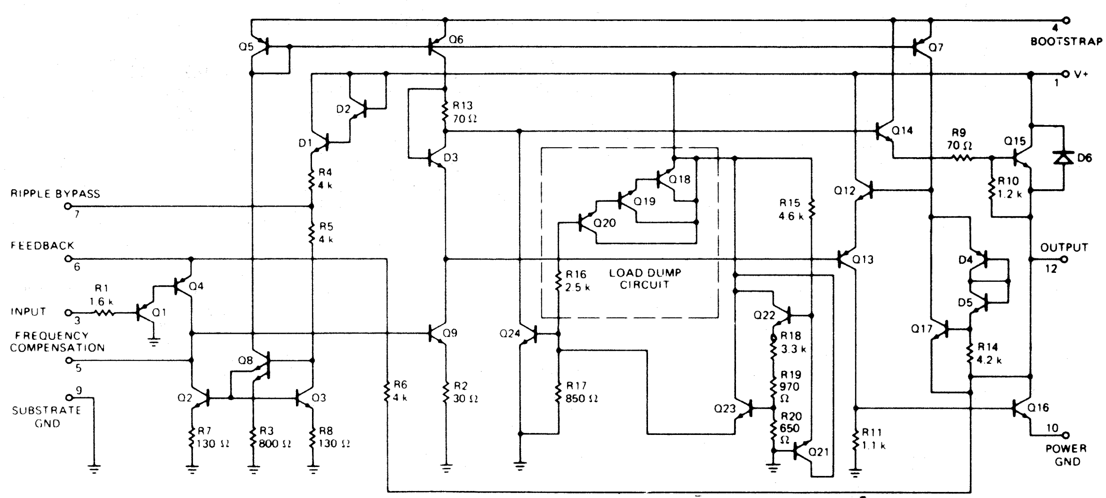
C126



C127

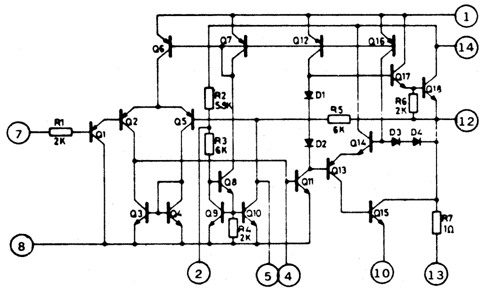


C128

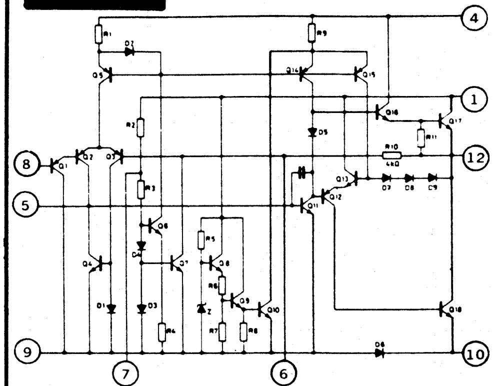


C128: WITHOUT LOAD DUMP CKT.
C128a: WITH LOAD DUMP CKT.

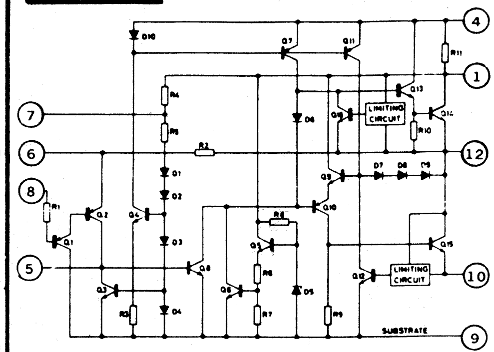
C129



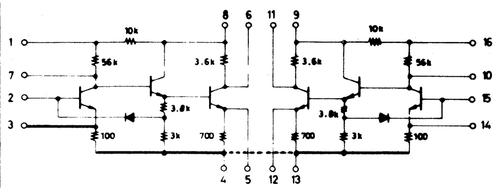
C130



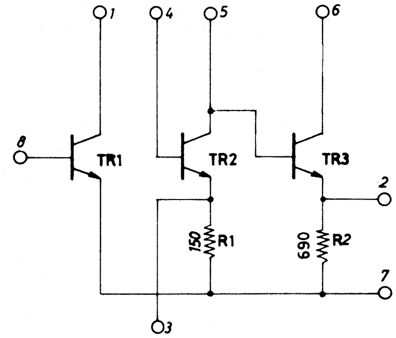
C131



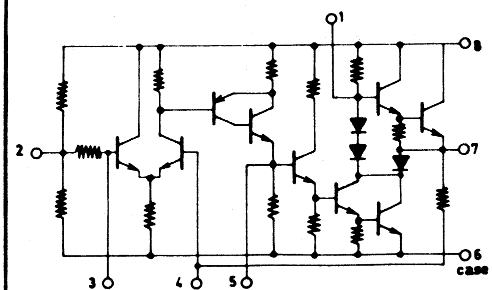
C132



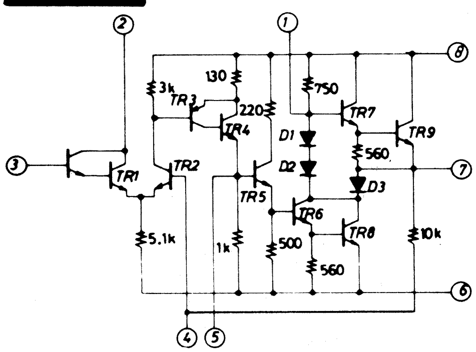
C133



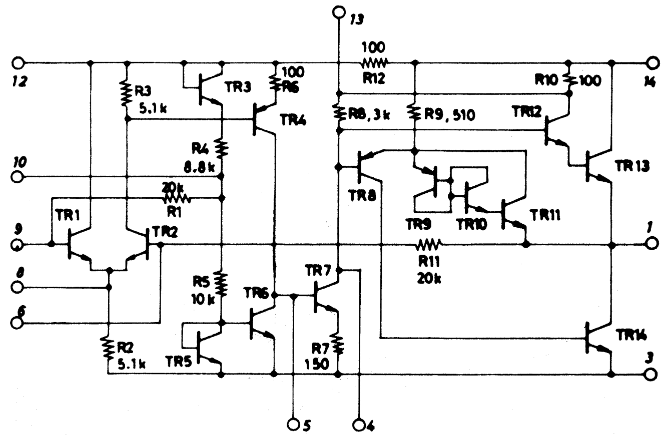
C134



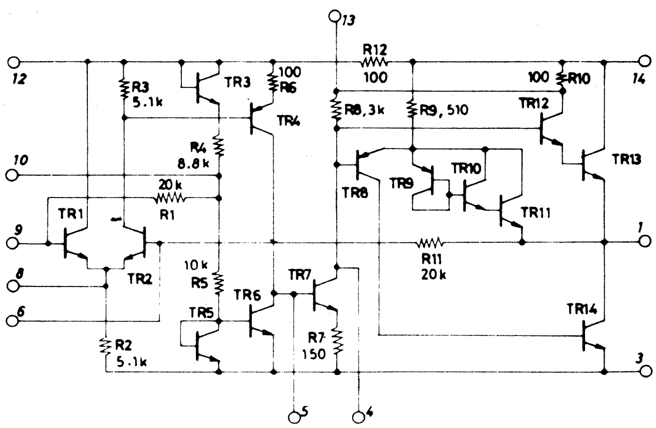
C135



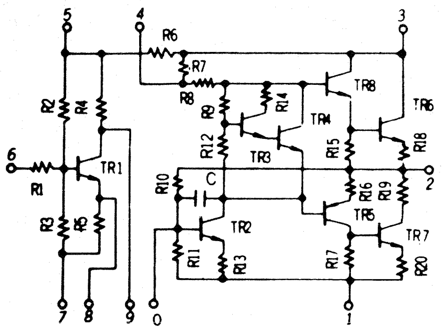
C136



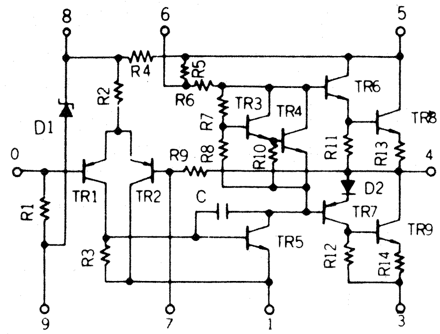
C137



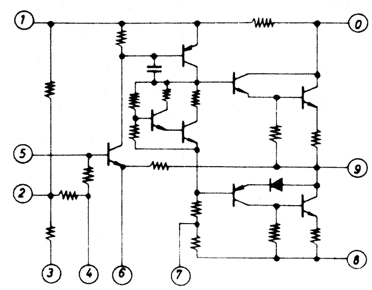
C148



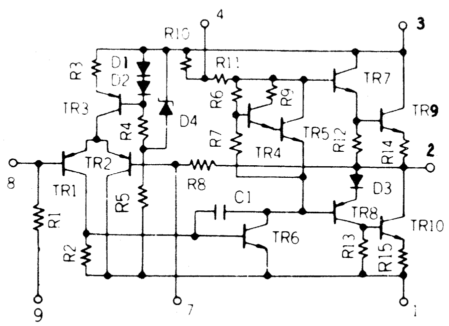
C149



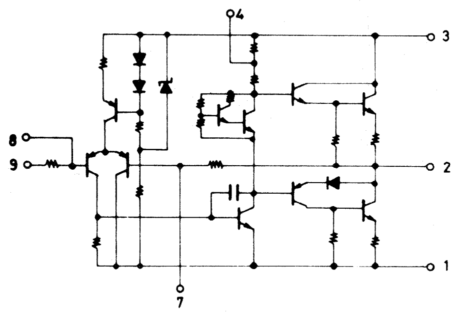
C150



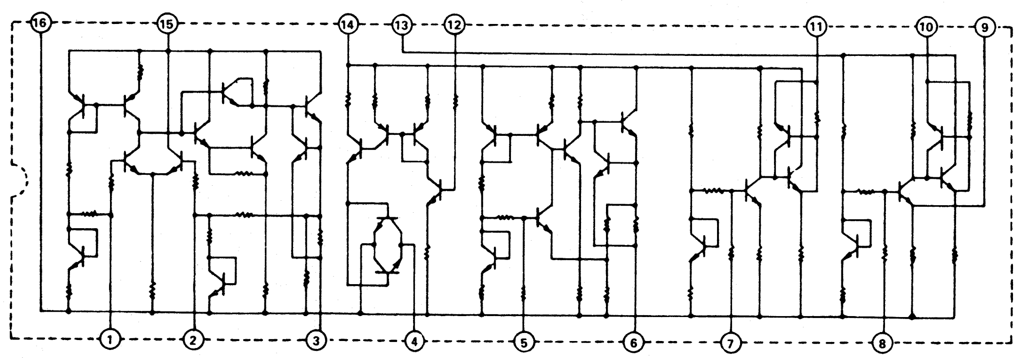
C151



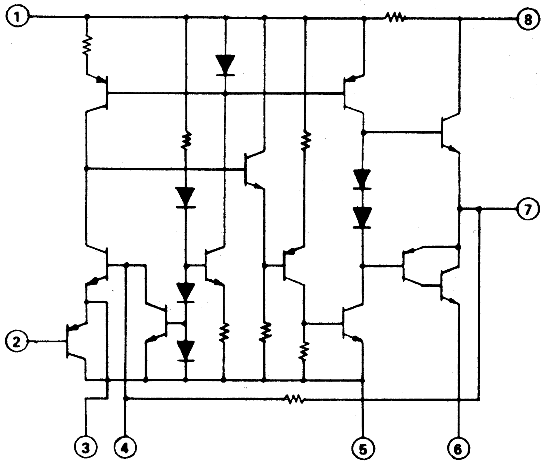
C152



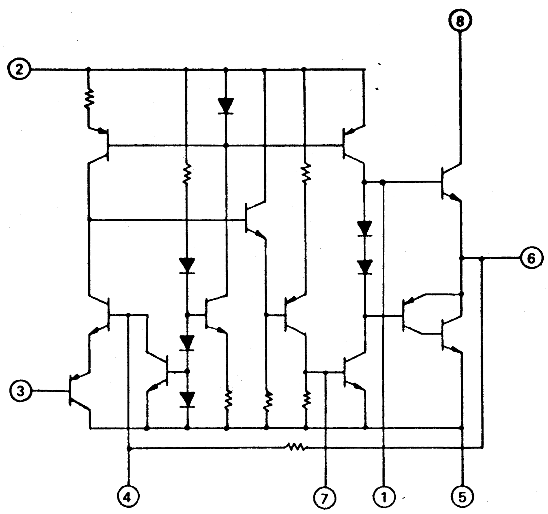
C155



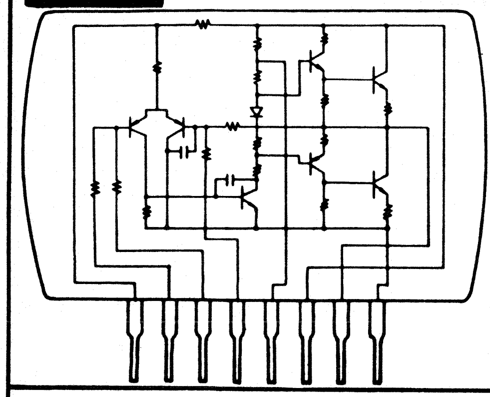
C156



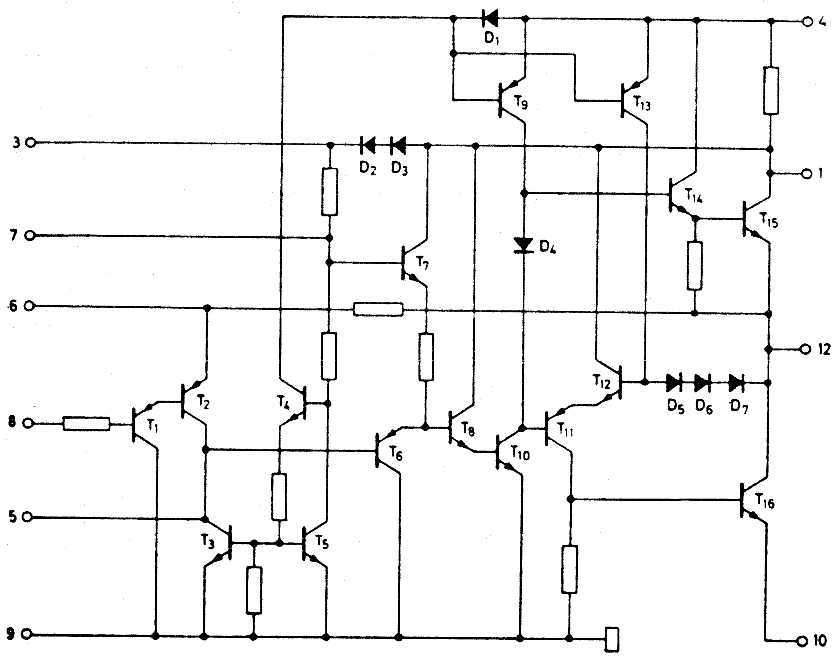
C157



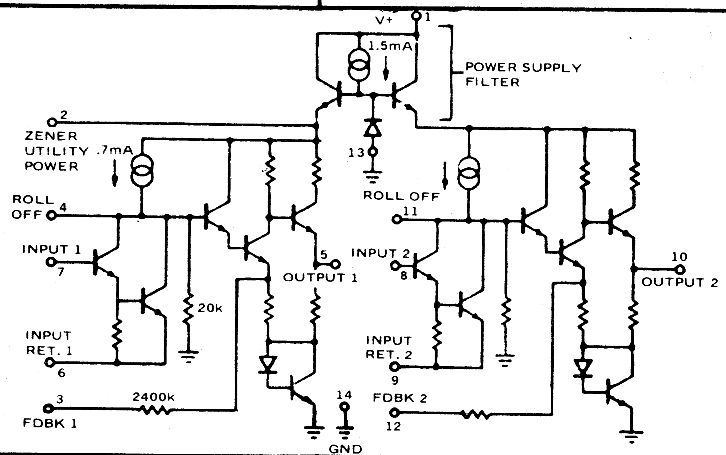
C158



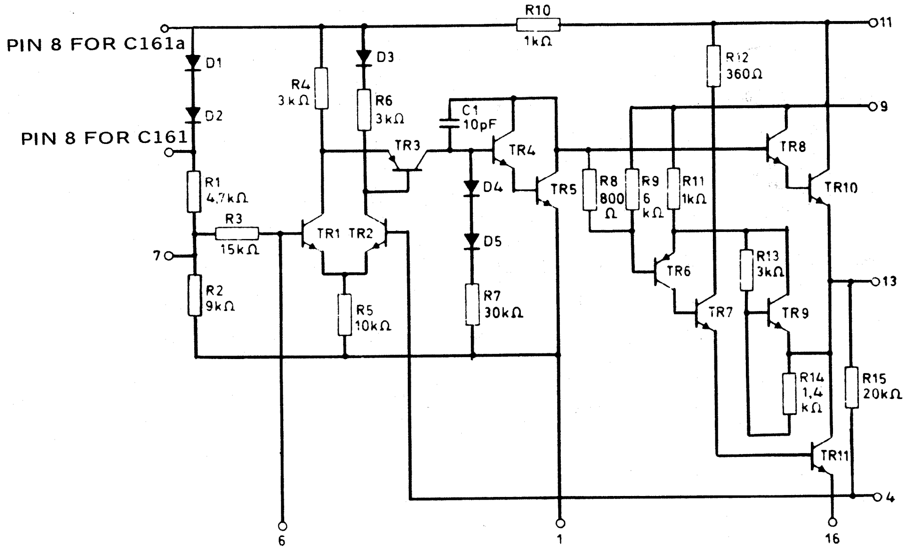
C159



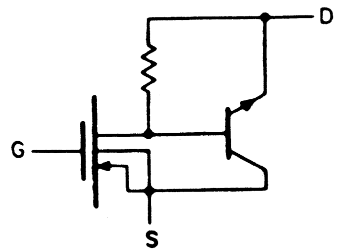
C160



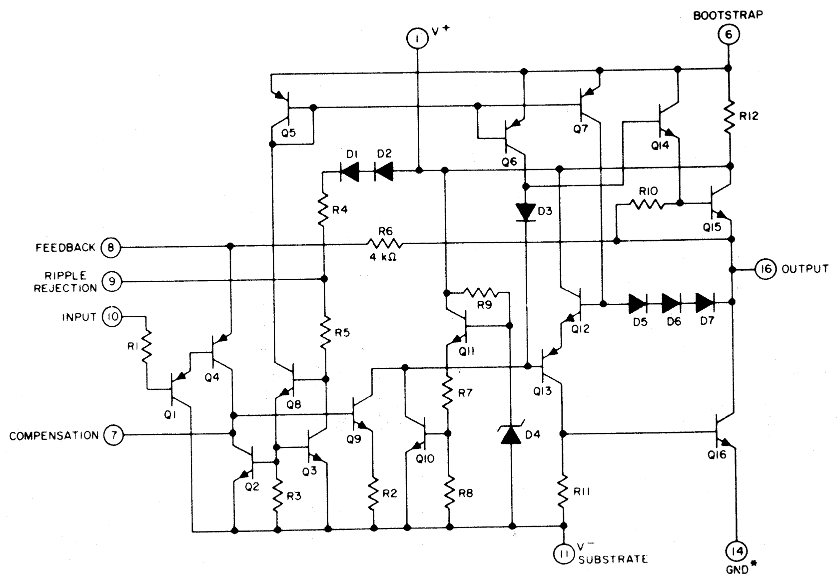
C161



C162

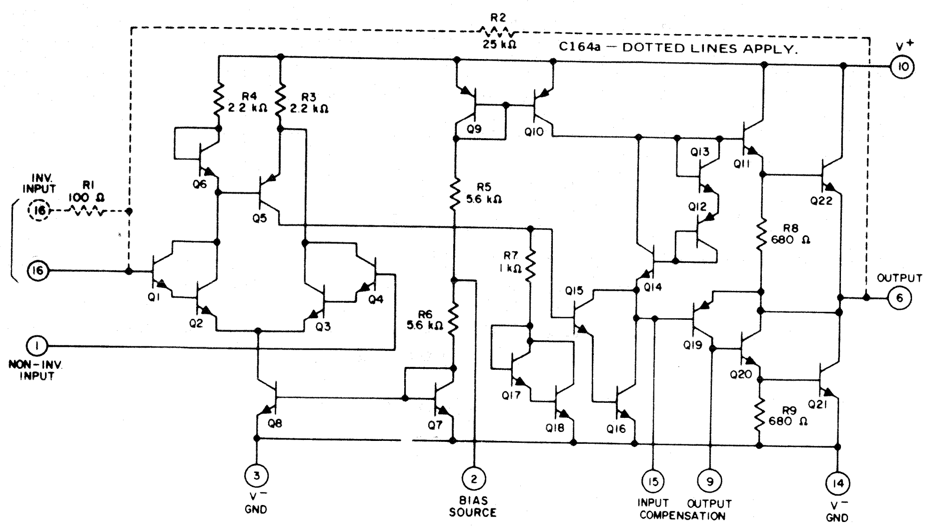


C163

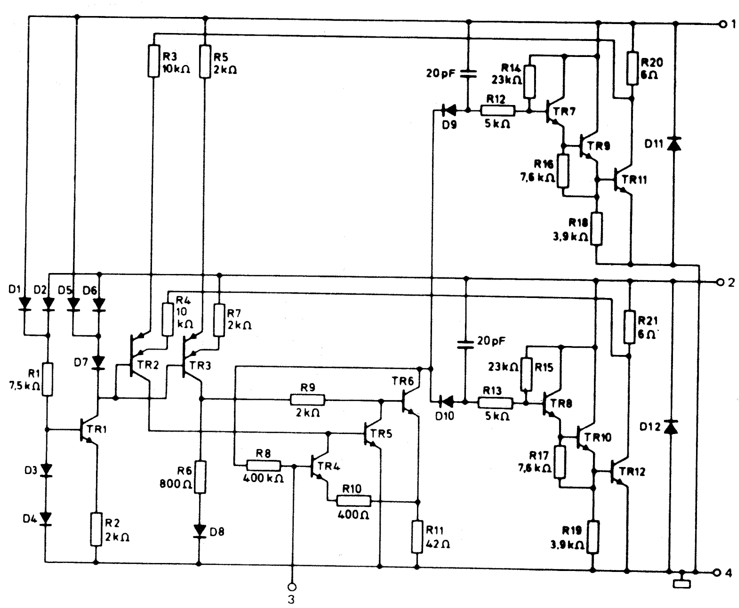


*WING TABS ARE TO BE GROUNDED

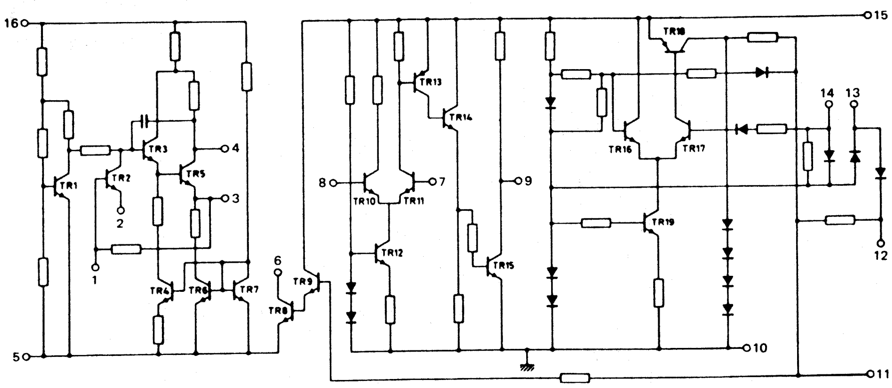
C164


R2
25 kΩ
C164a — DOTTED LINES APPLY.
V+
10
R4
2.2 kΩ
R3
2.2 kΩ
Q9
Q10
Q13
Q11
Q6
Q5
R5
5.6 kΩ
Q12
Q22
INV. INPUT
16
R1
100 Ω
R8
680 Ω
R7
1 kΩ
16
Q1
Q2
Q3
Q4
Q15
Q14
OUTPUT
6
R6
5.6 kΩ
Q19
1
NON-INV INPUT
Q17
Q20
Q18
Q16
R9
680 Ω
Q21
Q8
Q7
3
V−
GND
2
BIAS SOURCE
15
INPUT
9
OUTPUT
COMPENSATION
14
V−
GND

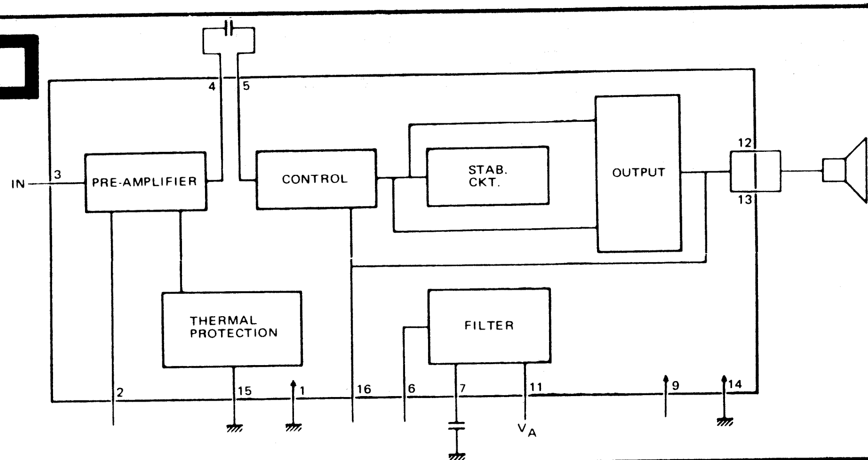
C167


1
R3
10kΩ
R5
2kΩ
20pF
R14
23kΩ
R12
5kΩ
D9
TR7
TR9
R20
6Ω
D11
R16
7,6kΩ
TR11
R18
3,9kΩ
2
D1
D2
D5
D6
R4
10
kΩ
R7
2kΩ
20pF
R21
6Ω
D7
TR2
TR3
23kΩ
R15
R1
7,5kΩ
R9
2kΩ
TR6
D10
R13
5kΩ
TR8
TR1
TR5
TR10
D12
R8
400kΩ
TR4
R17
7,6kΩ
TR12
D3
R6
800Ω
R10
400Ω
D4
R2
2kΩ
D8
R11
42Ω
R19
3,9kΩ
4
3

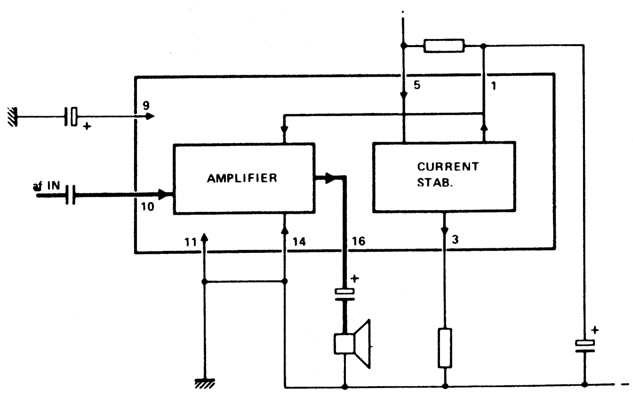
C168



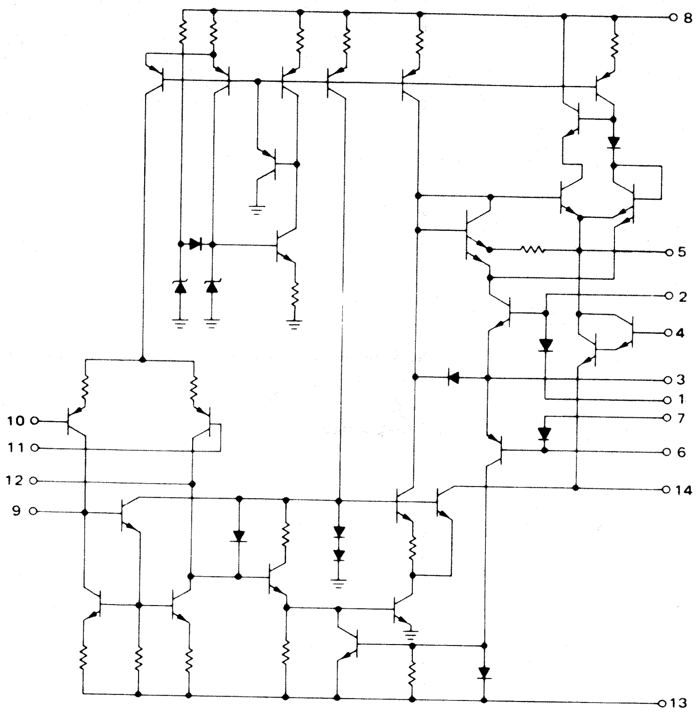
C169



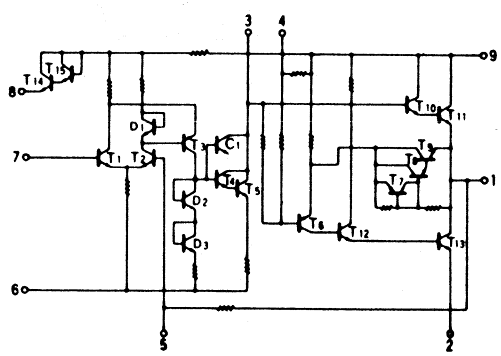
C170



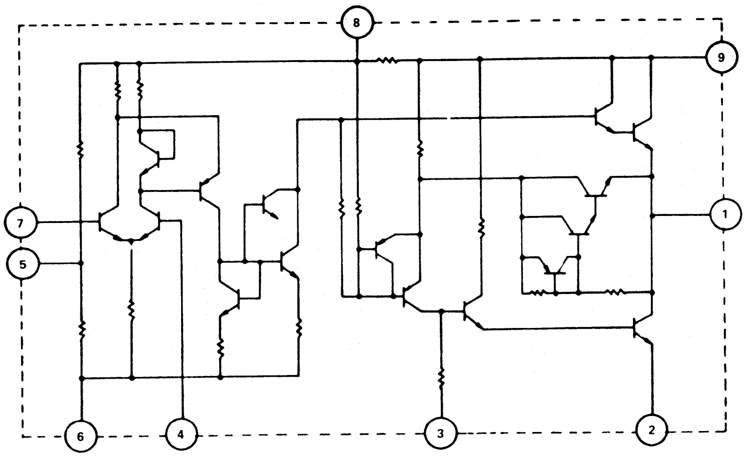
C171


8
5
2
4
3
1
7
6
14
13
10
11
12
9

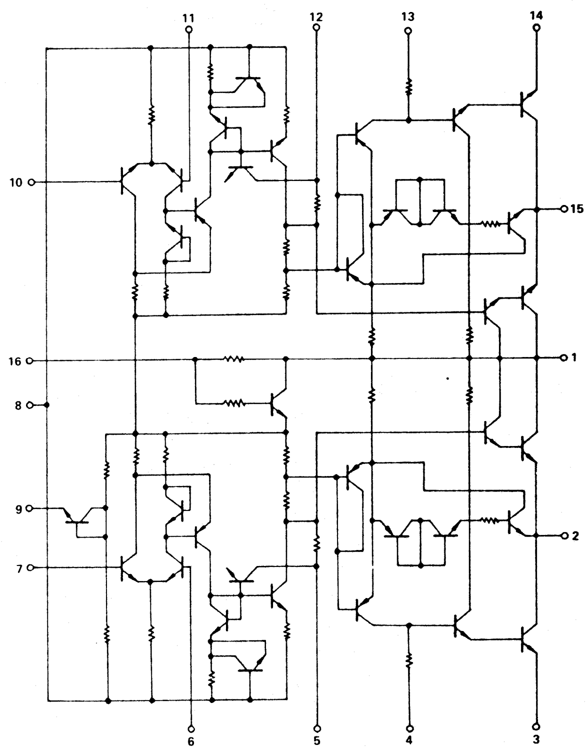
C172


3
4
9
8
T14
T15
7
T1
T2
D1
T3
C1
T4
T5
D2
D3
T10
T11
T9
T8
T7
1
T6
T12
T13
6
5
2

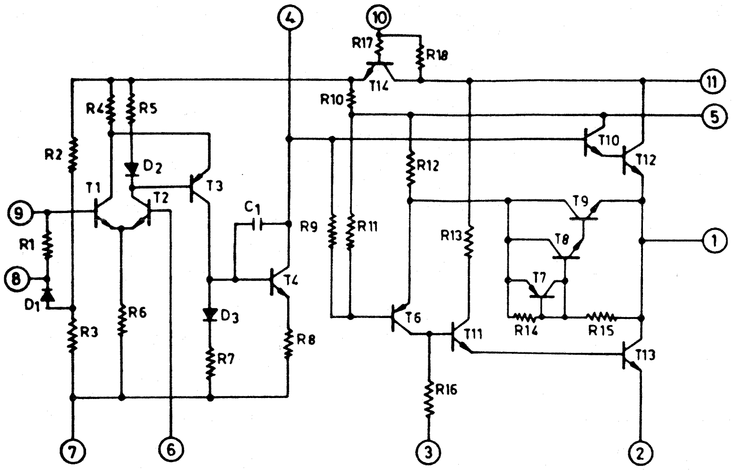
C173



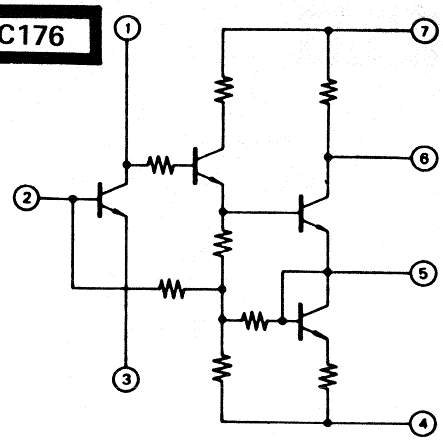
C174



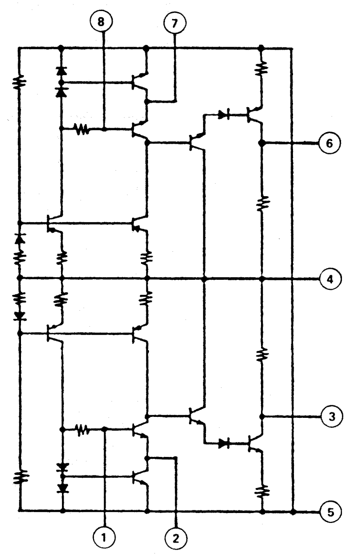
C175



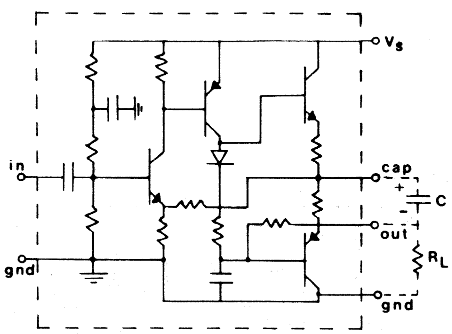
C176



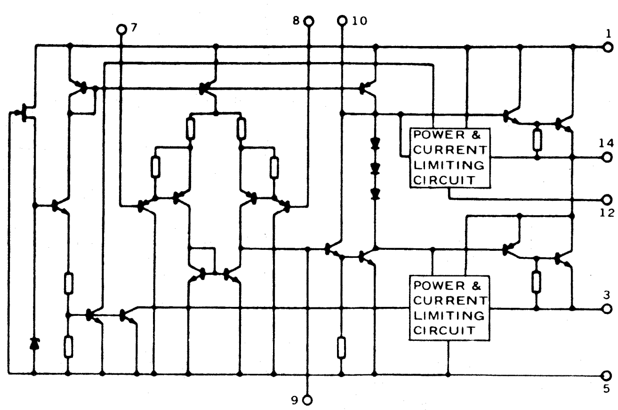
C177

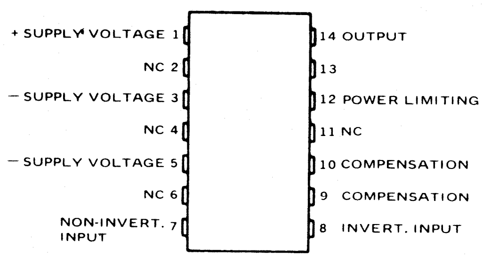


C178



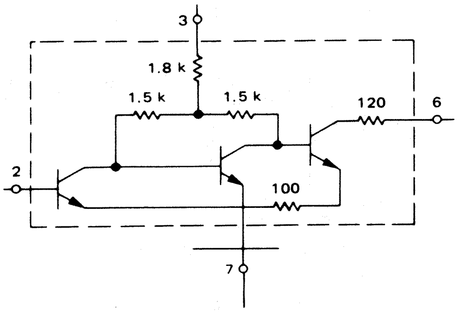
C180



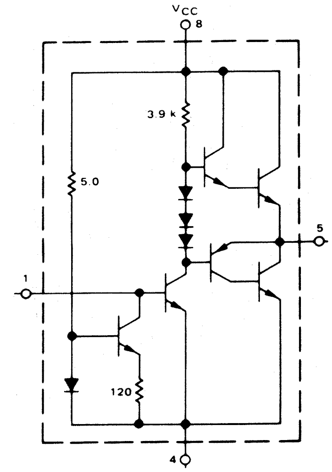


THE COPPER SLUG IS ELECTRICALLY CONNECTED TO PIN 5 (SUBSTRATE)

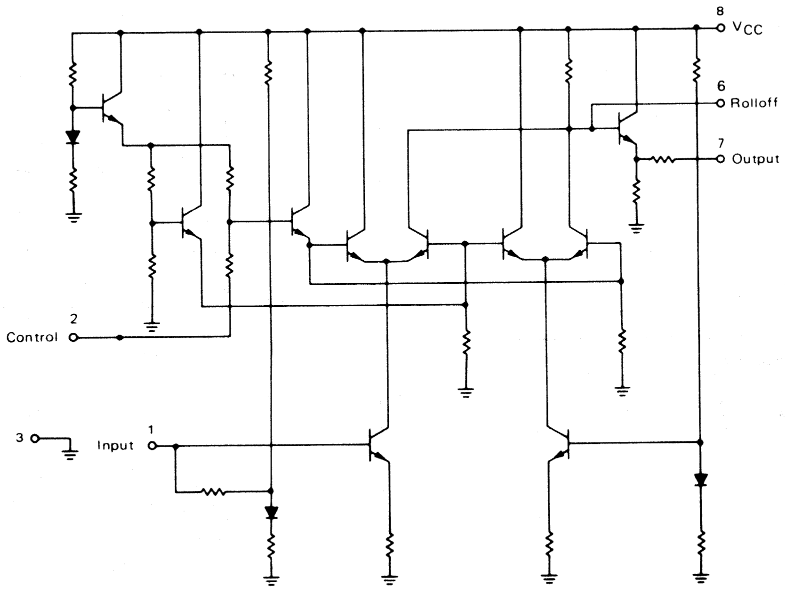
C181



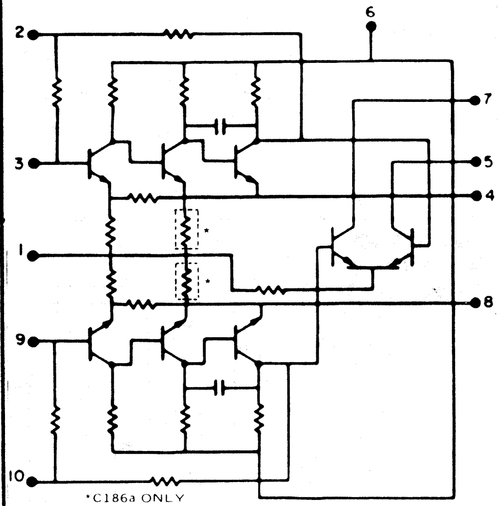
C182



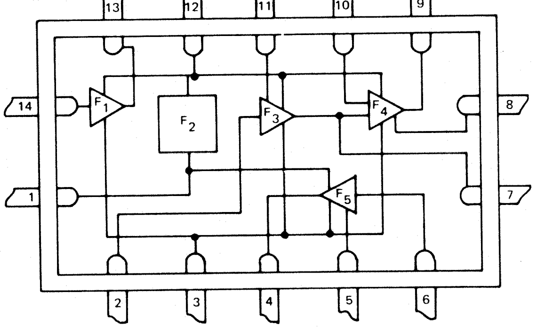
C183



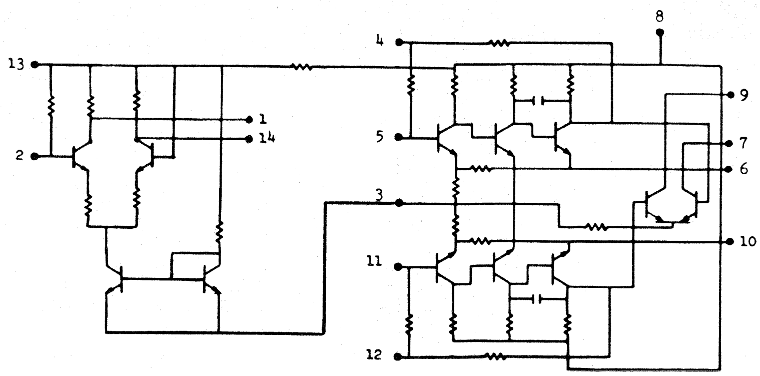
C186



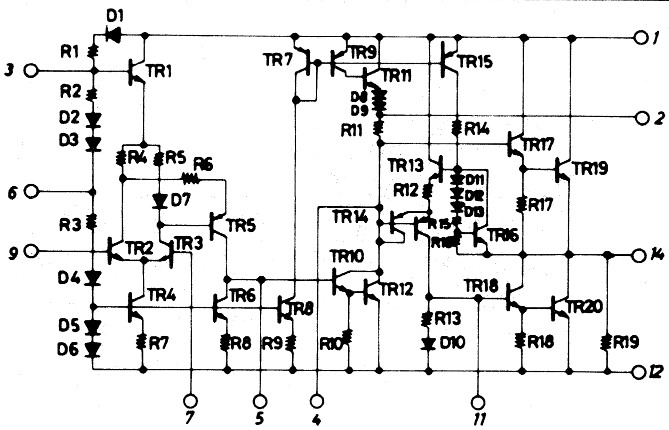
C185



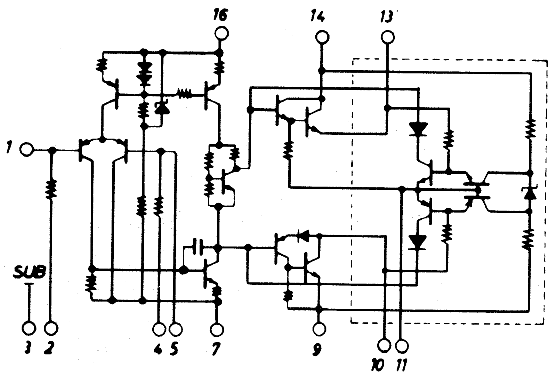
C187



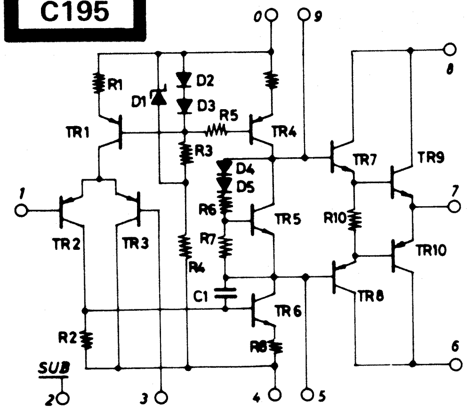
C191



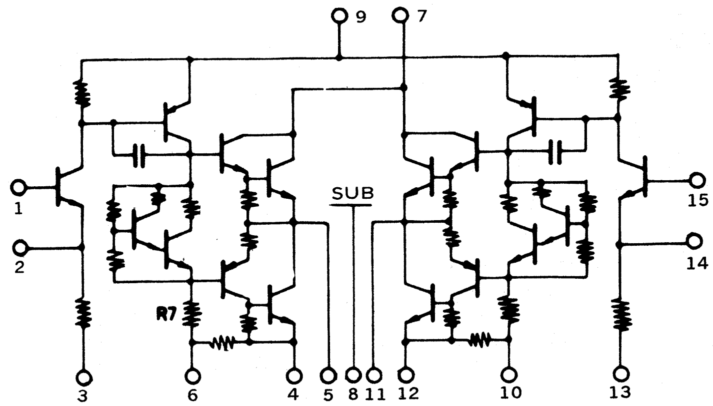
C194



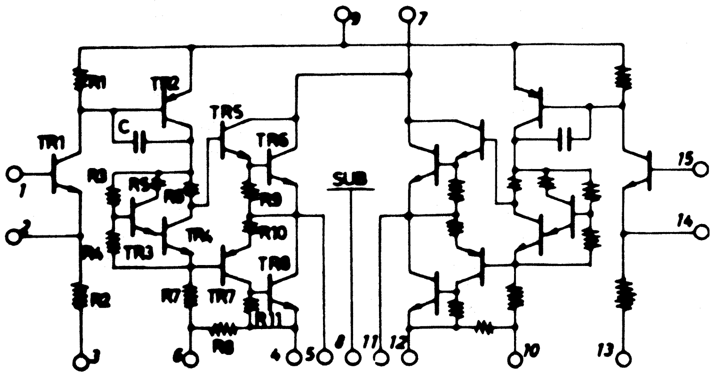
C195



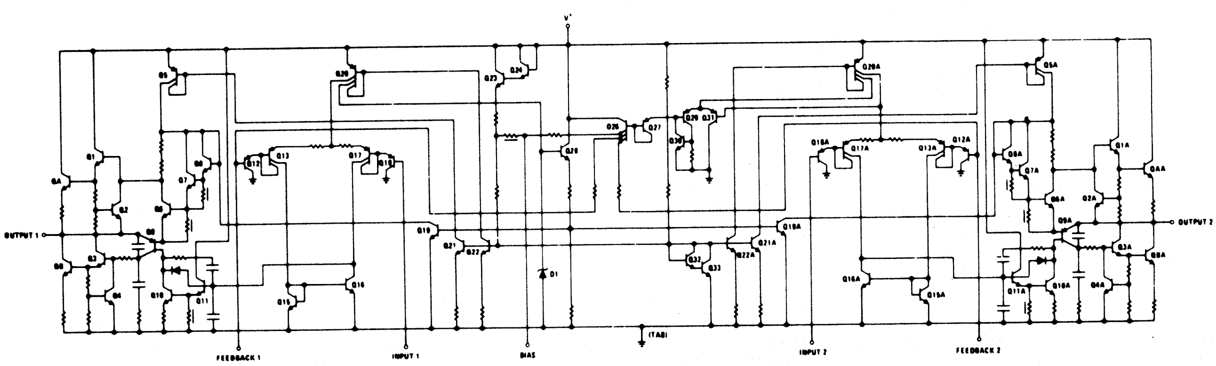
C196

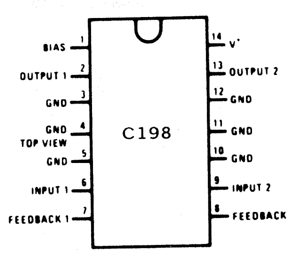


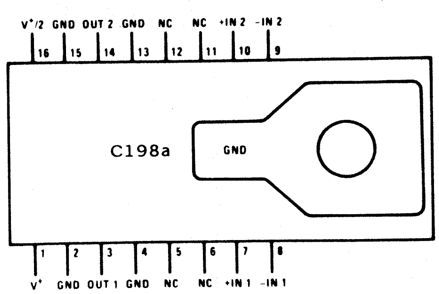
C197



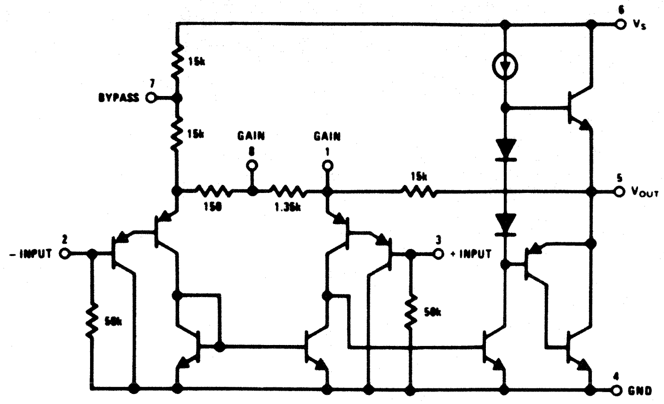
C198



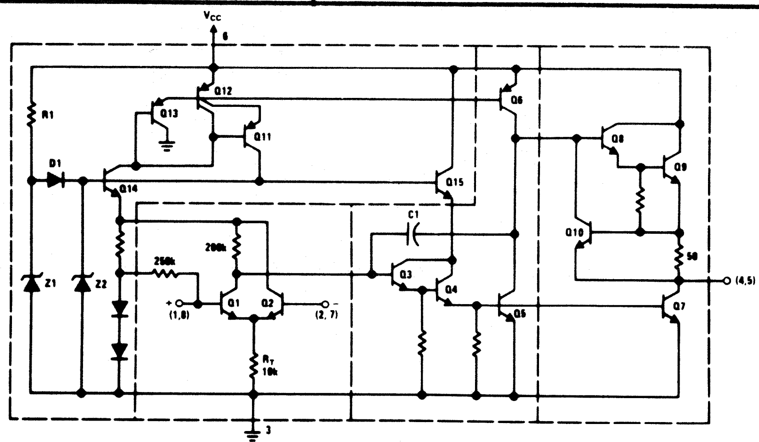




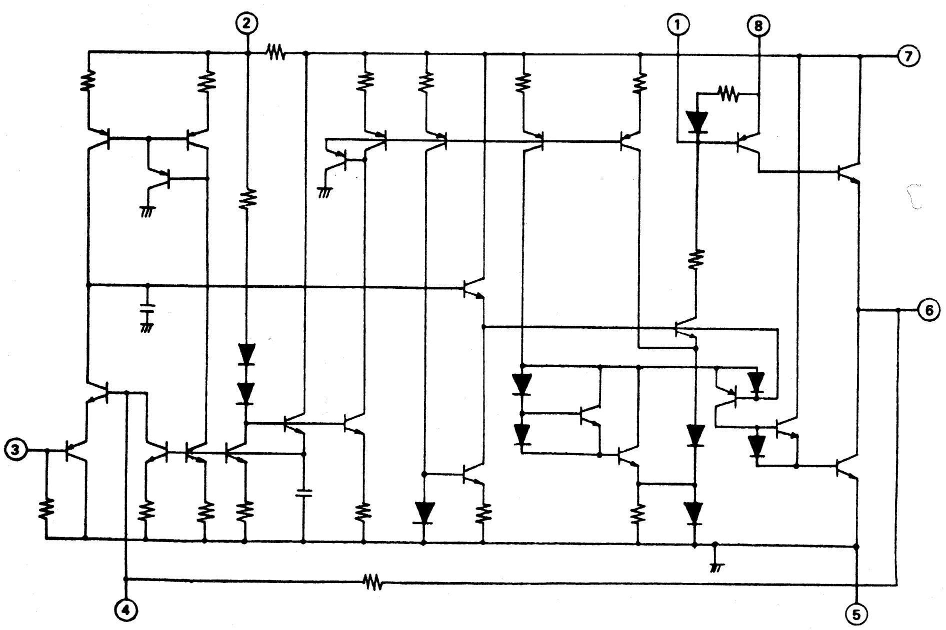
C199



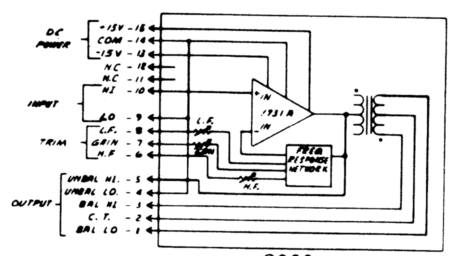
C200



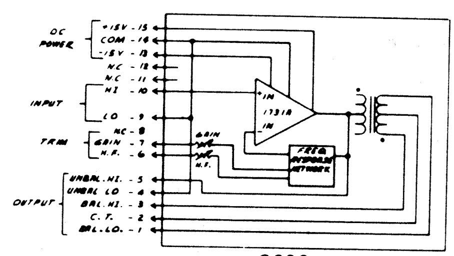
C201



C202

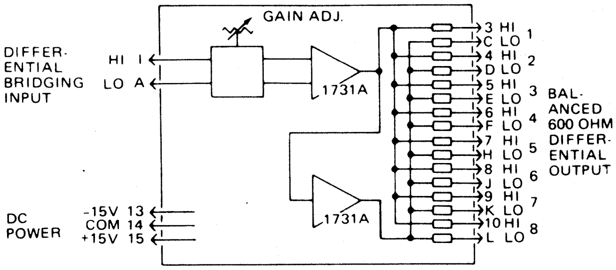


C202

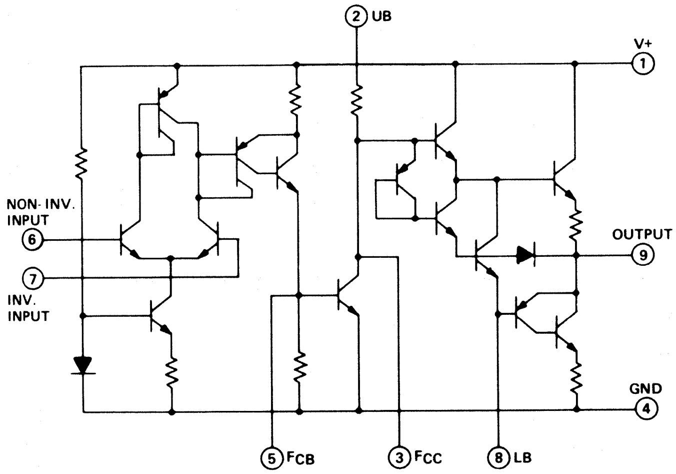


C202a

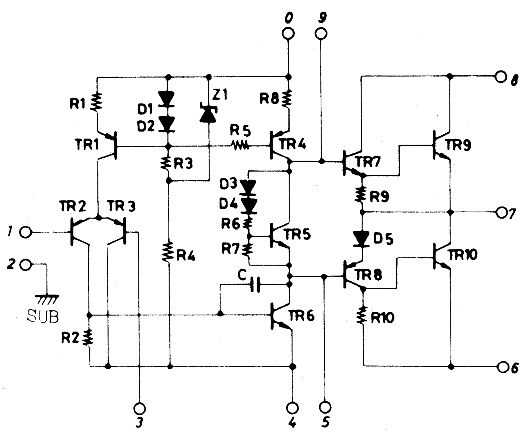
C203



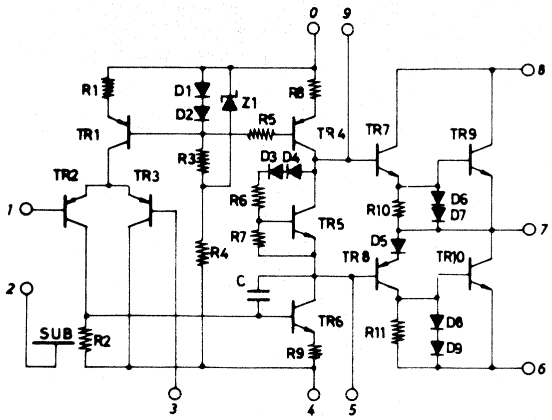
C204



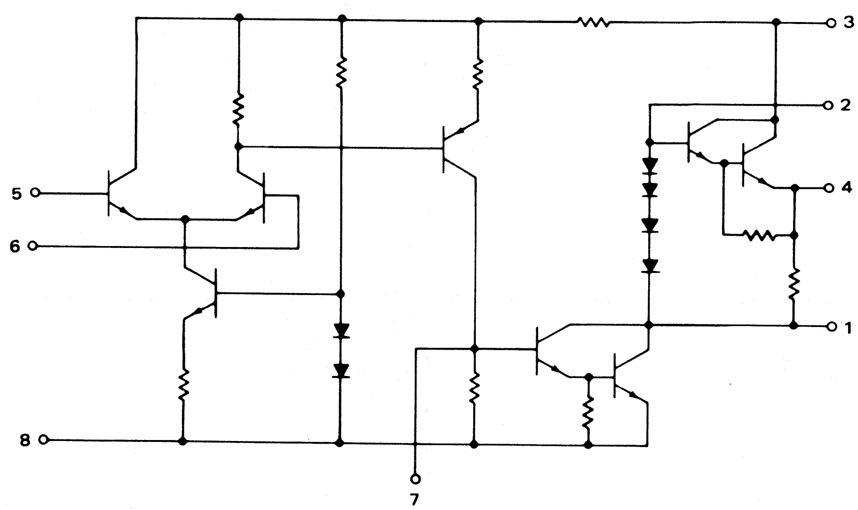
C205



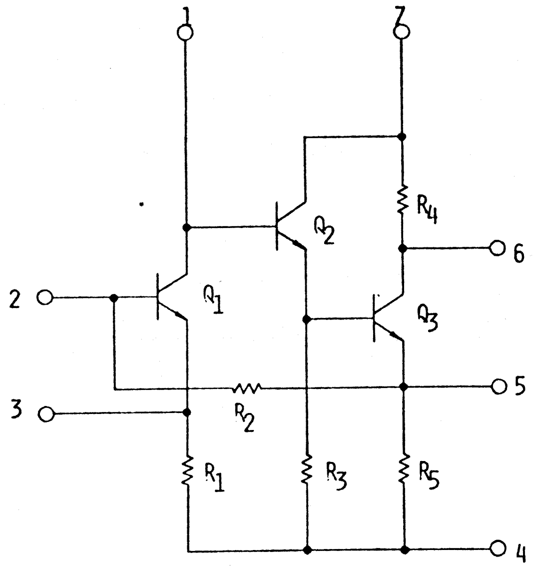
C206


0
9
8
R1
D1
D2
Z1
R8
R5
TR1
TR4
TR7
TR9
R3
D3 D4
TR2
TR3
1
R6
TR5
R10
D6
D7
R7
D5
7
R4
TR8
TR10
2
C
TR6
R11
D8
SUB
R2
R9
D9
6
3
4
5

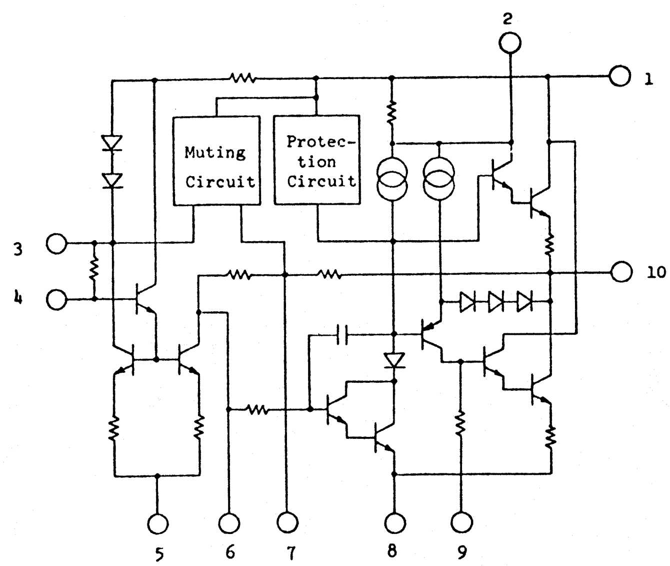
C207


3
2
5
4
6
1
8
7

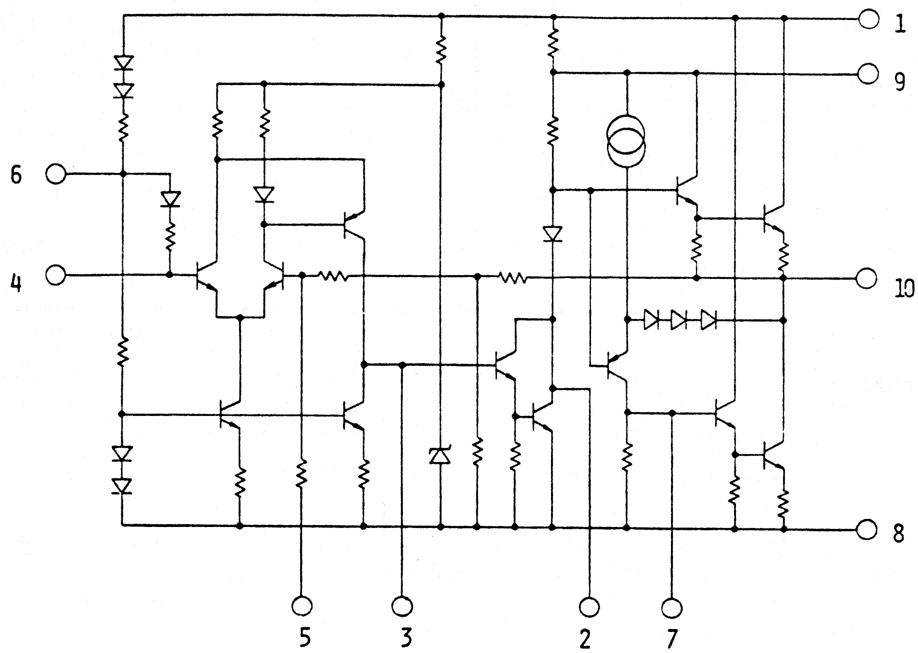
C208


1
7
R4
Q2
6
2
Q1
Q3
5
3
R2
R1
R3
R5
4

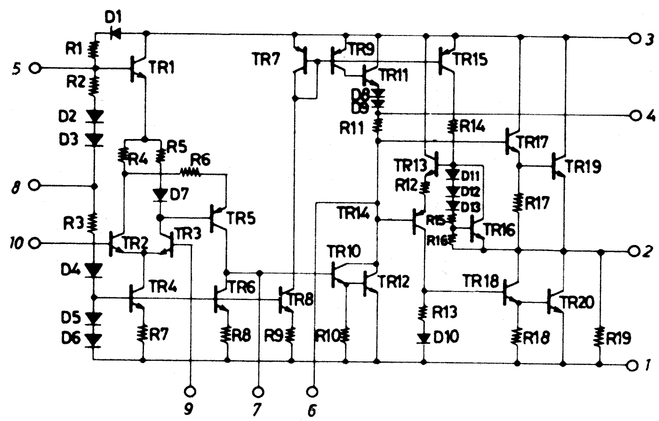
C209


2
1
Muting Circuit
Protec-tion Circuit
3
4
10
5
6
7
8
9

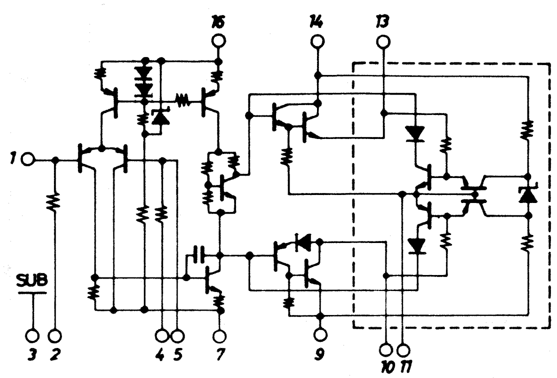
C210



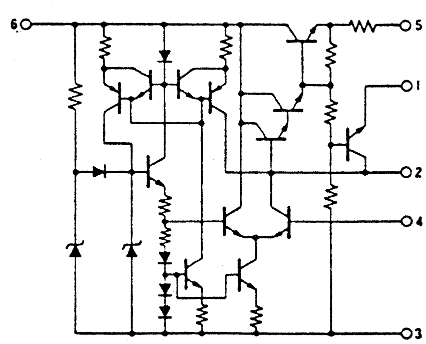
C211



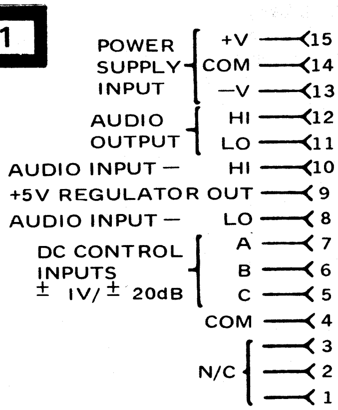
C215



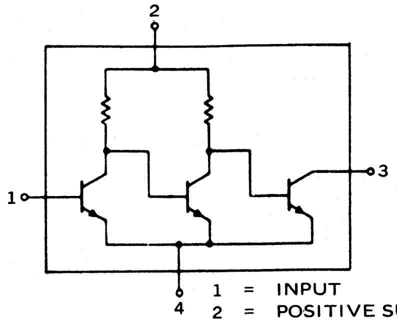
C220



C221

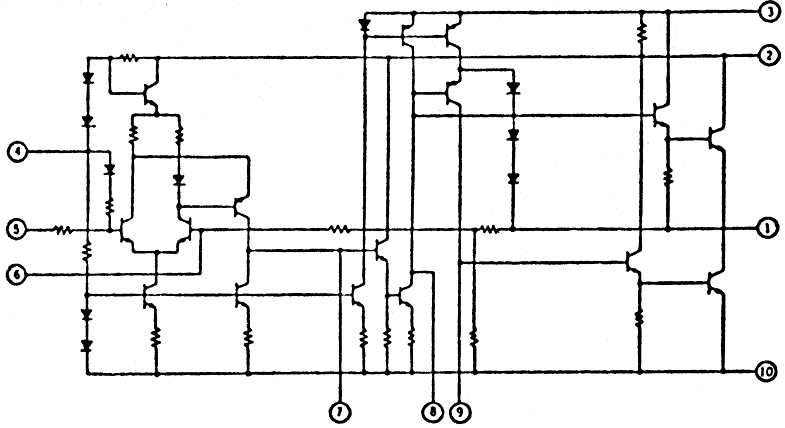


C222

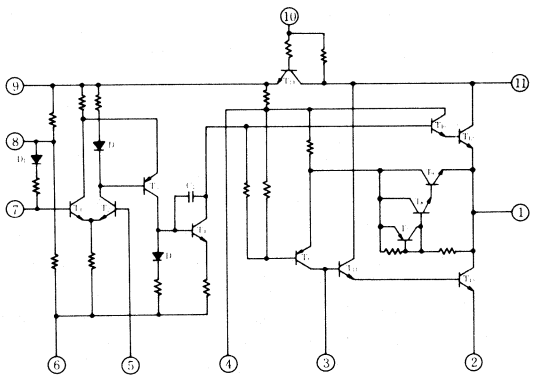


1 = INPUT
2 = POSITIVE SUPPLY
3 = OUTPUT
4 = GROUND

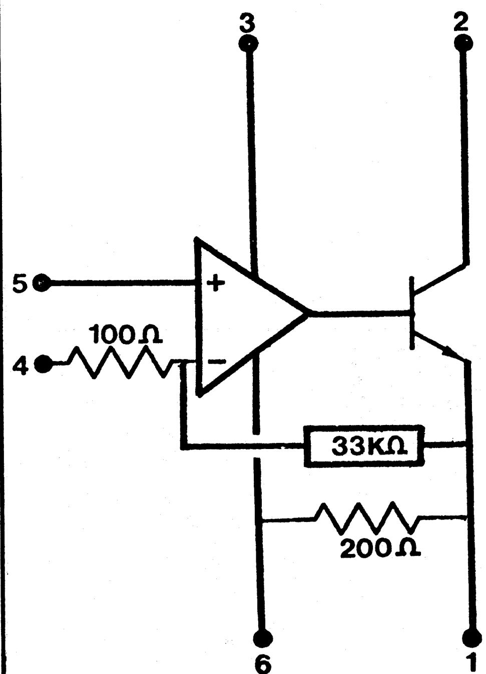
C223



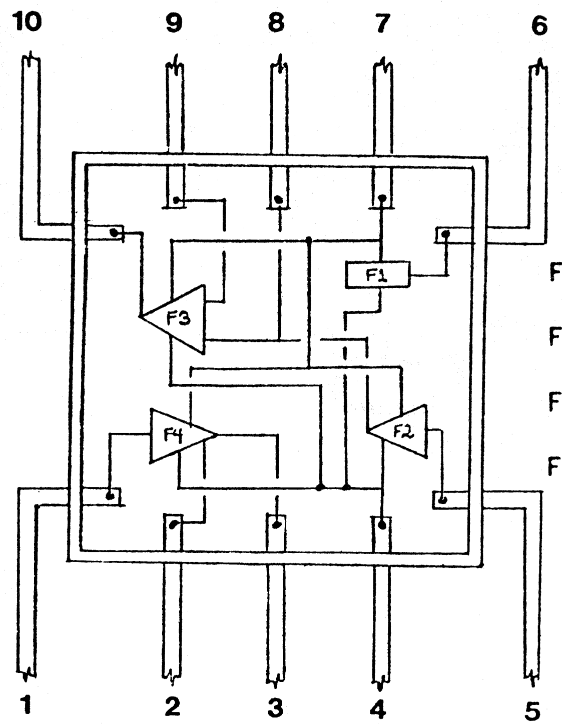
C224



C225



C226



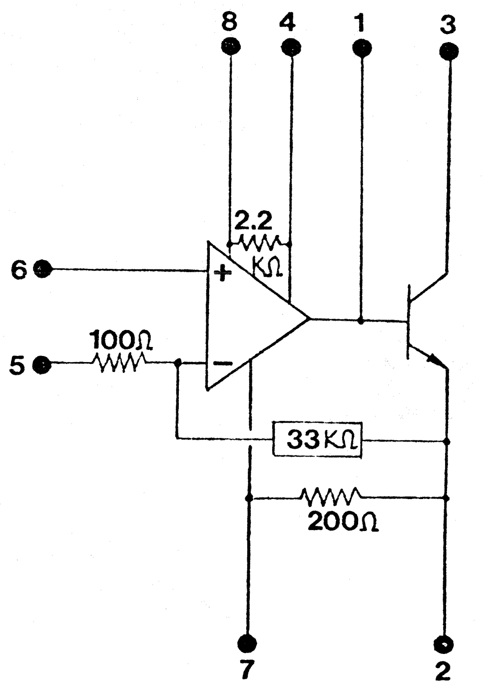
F1 - Voltage regulator

F2 - AC-DC converter

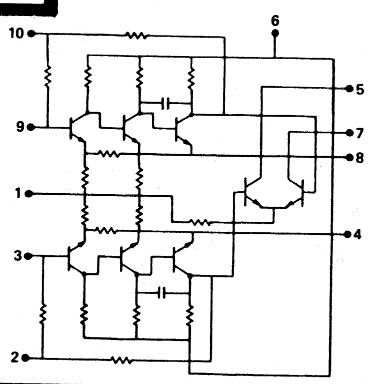
F3 - Compression preamp.

F4 - Output amplifier

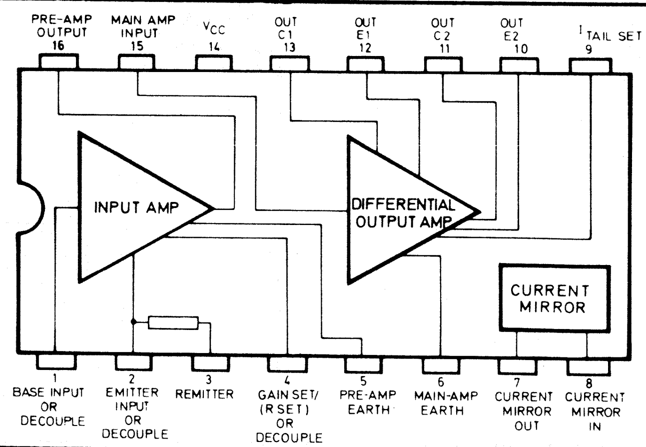
C227



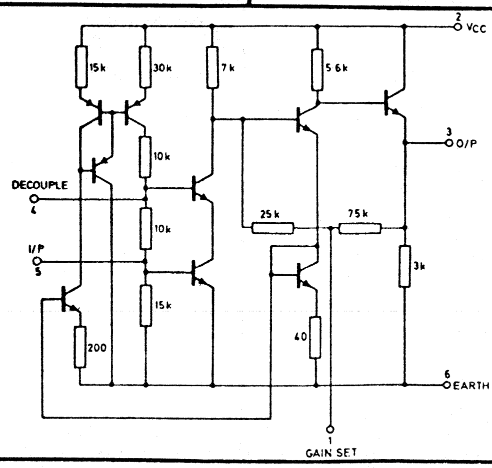
C228

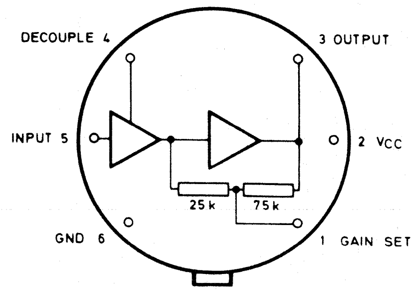


C229

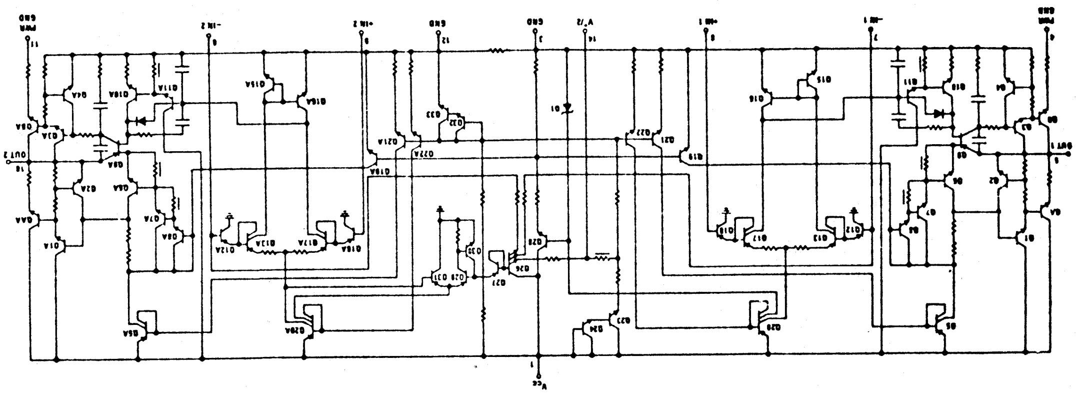


C230

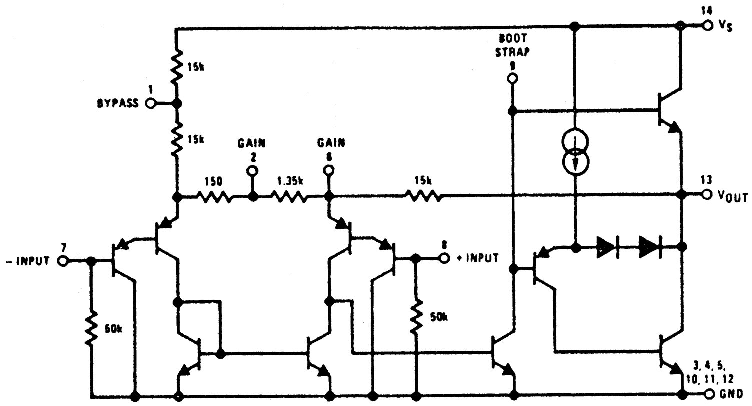




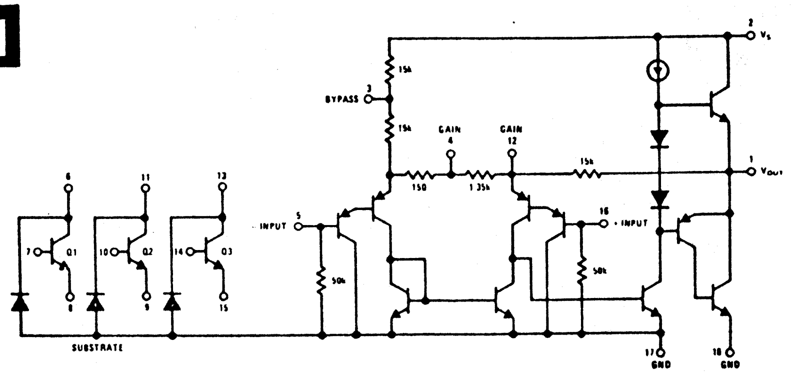
C231



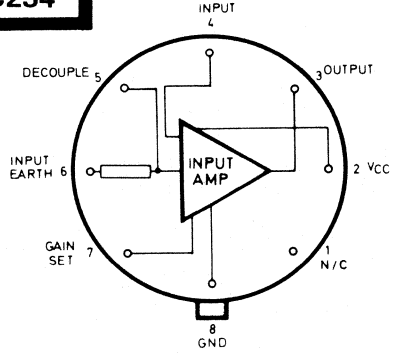
C232



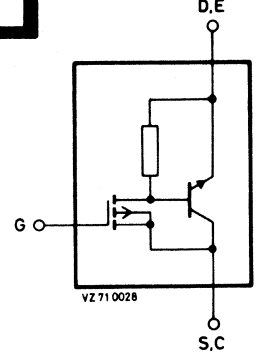
C233



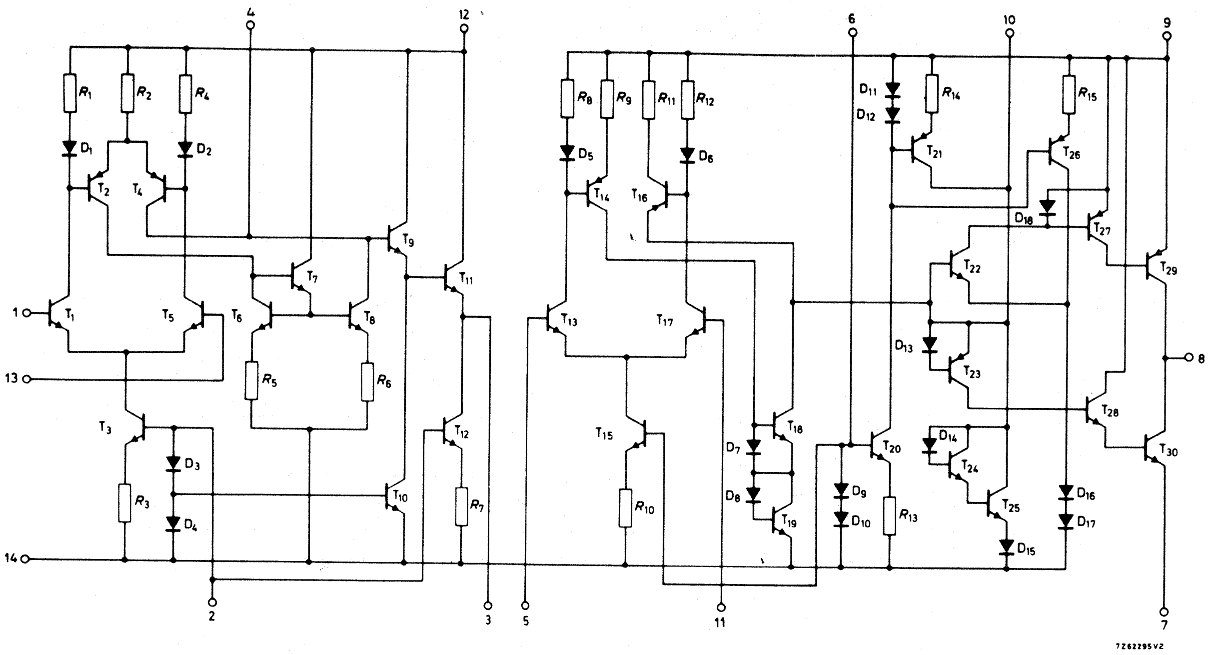
C234



C236

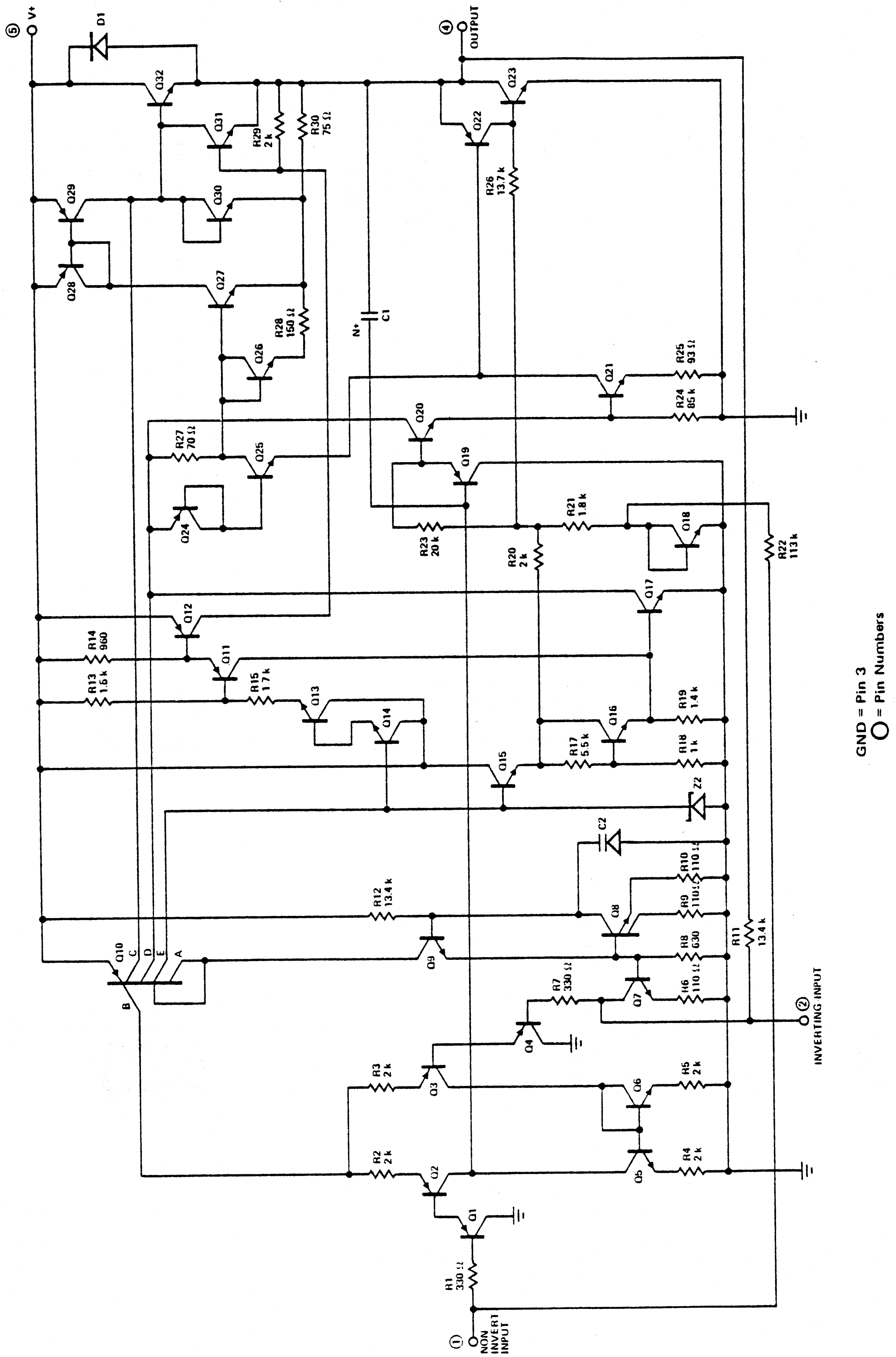


C237



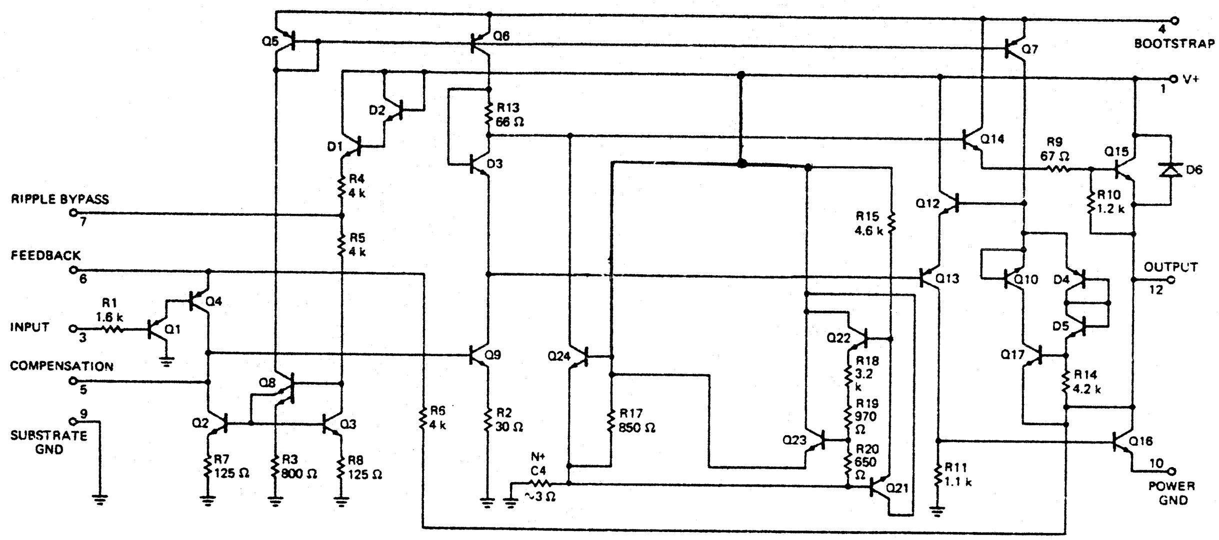
4
12
6
10
9
R1
R2
R4
R8
R9
R11
R12
R14
R15
D1
D2
D5
D6
D11
D12
D18
T2
T4
T9
T7
T11
T14
T16
T21
T26
T27
T22
T29
1
T1
T5
T6
T8
T13
T17
D13
T23
8
13
R5
R6
T3
T12
T15
T18
T20
T28
D7
D14
T24
T30
D3
R3
T10
R7
R10
D8
D9
T19
D10
R13
T25
D16
D17
D4
D15
14
2
3
5
11
7
7Z62295V2

C238

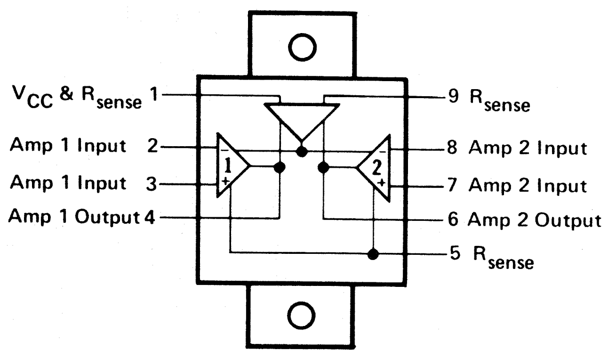


V+
OUTPUT
INVERTING INPUT
NON INVERT INPUT
GND = Pin 3
○ = Pin Numbers

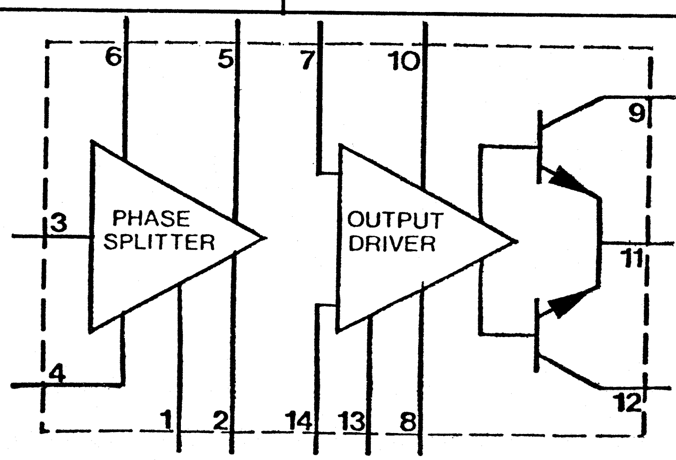
C239



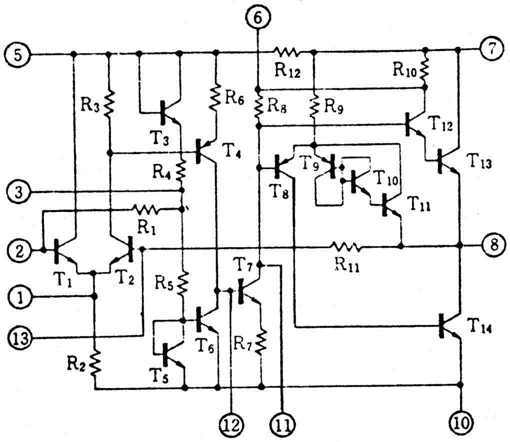
C240



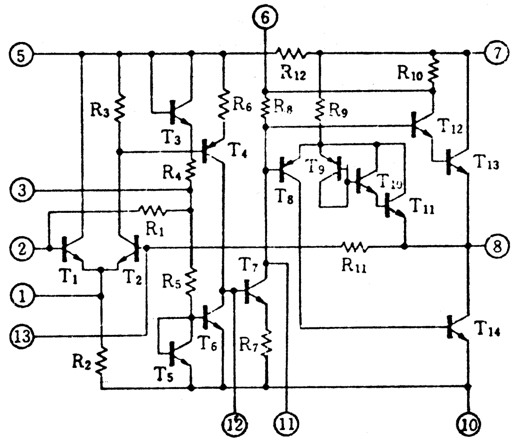
C241



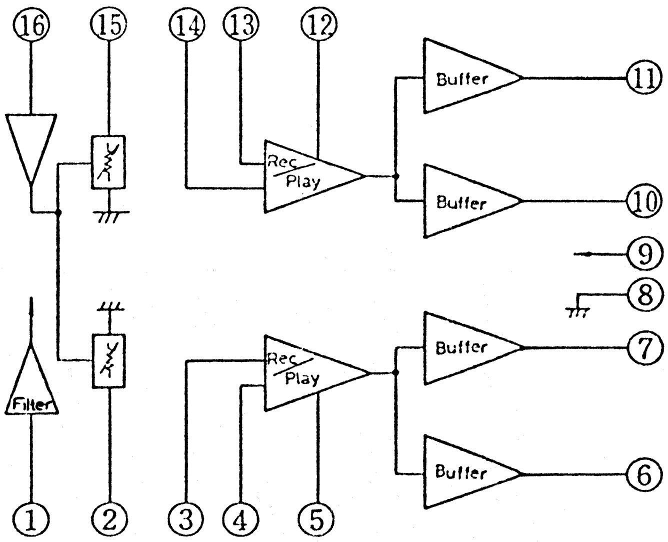
C242



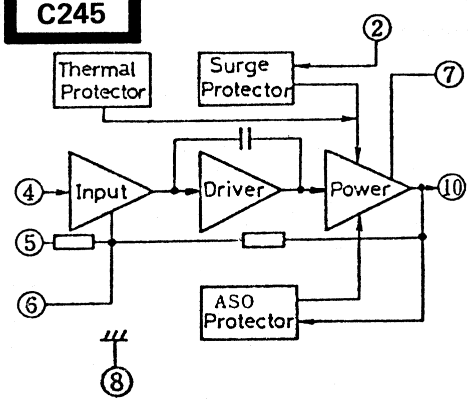
C243



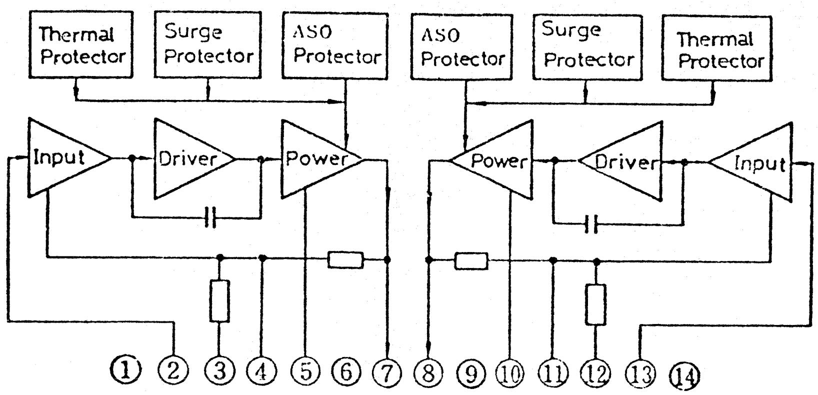
C244



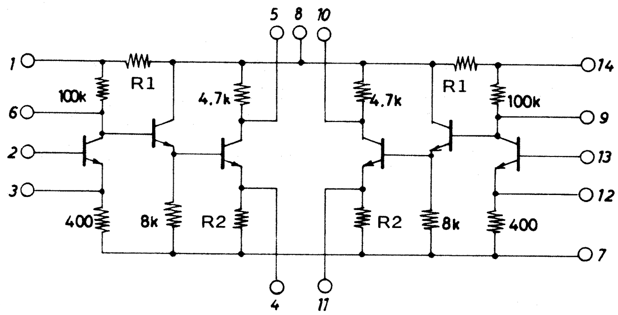
C245



C246

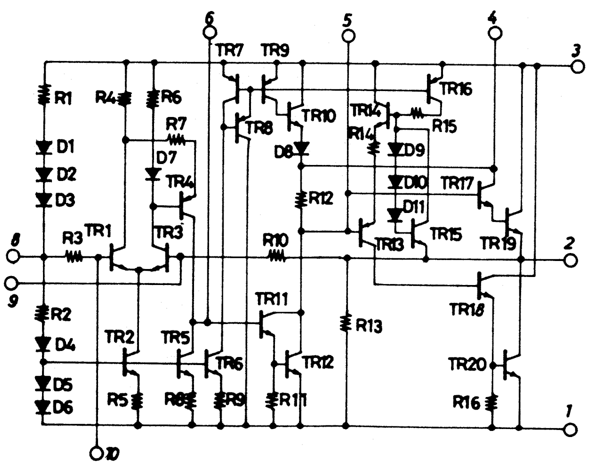


C247

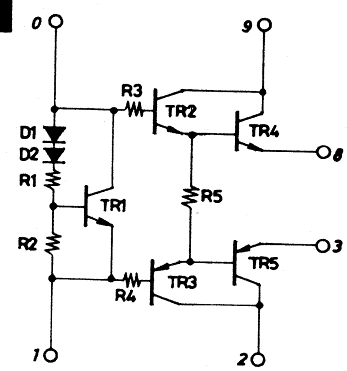


	R1	R2
C247	50KΩ	400Ω
C247a	120KΩ	300Ω
C247b	270KΩ	250Ω

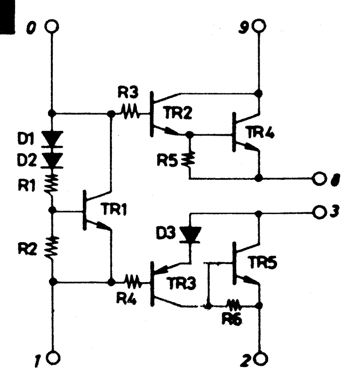
C248



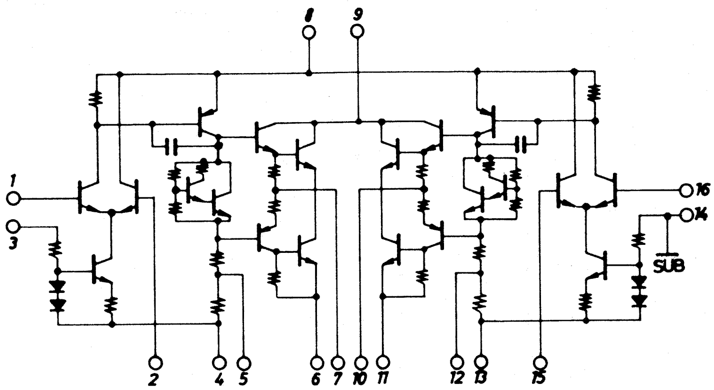
C249



C250

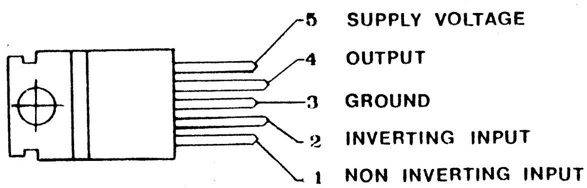


C251

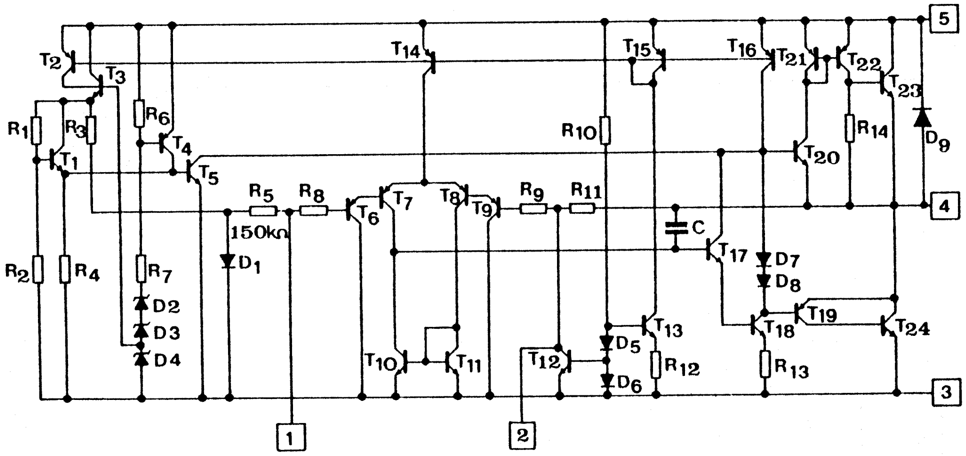


8
9
1
3
16
14
SUB
2
4
5
6
7
10
11
12
13
15

C252

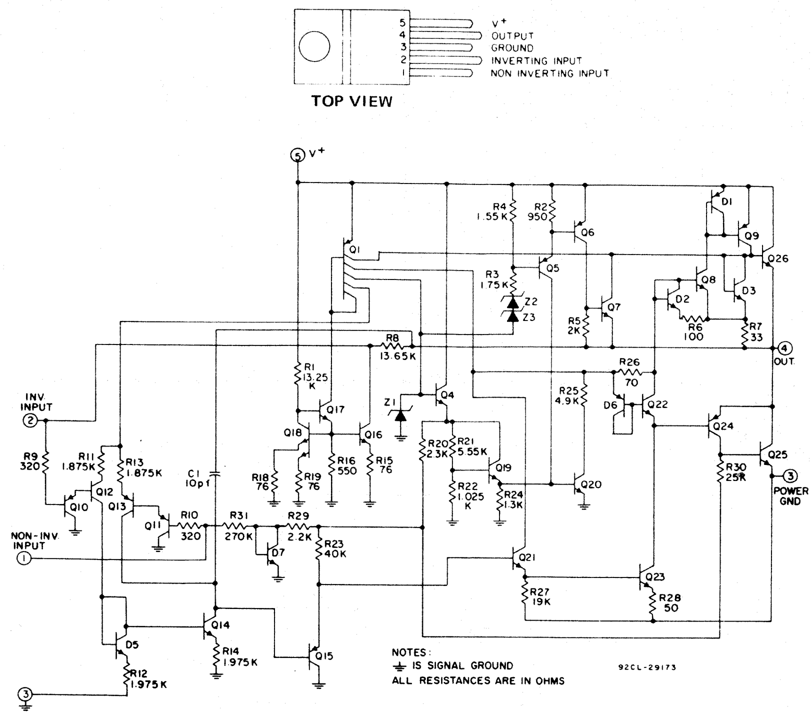


5 SUPPLY VOLTAGE
4 OUTPUT
3 GROUND
2 INVERTING INPUT
1 NON INVERTING INPUT

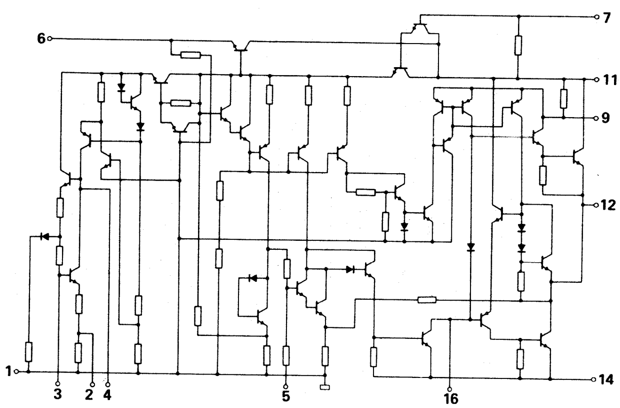


T2
T3
T14
T15
T16
T21
T22
T23
R1
R3
R6
T4
T1
T5
R10
R14
T20
D9
R5
R8
T6
T7
T8
T9
R9
R11
150kΩ
C
D1
T17
D7
D8
R2
R4
R7
D2
D3
D4
T19
T13
T18
T24
D5
T10
T11
T12
R12
R13
D6
1
2
3
4
5

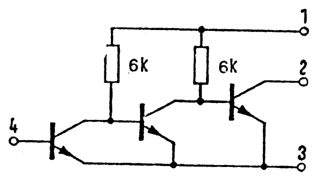
C253



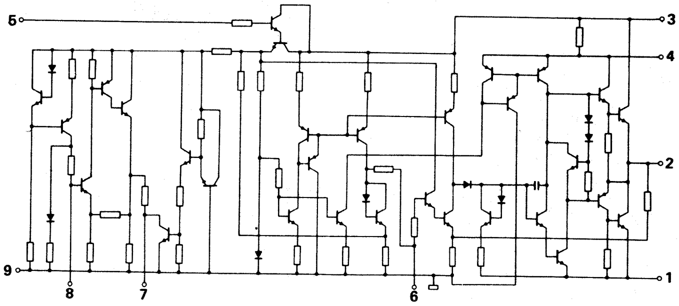
C254



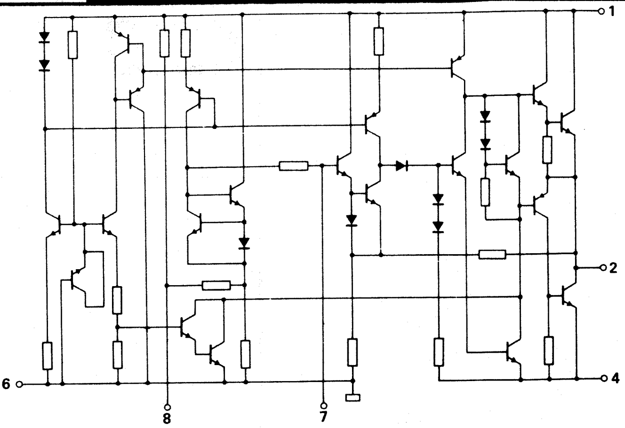
C255



C256

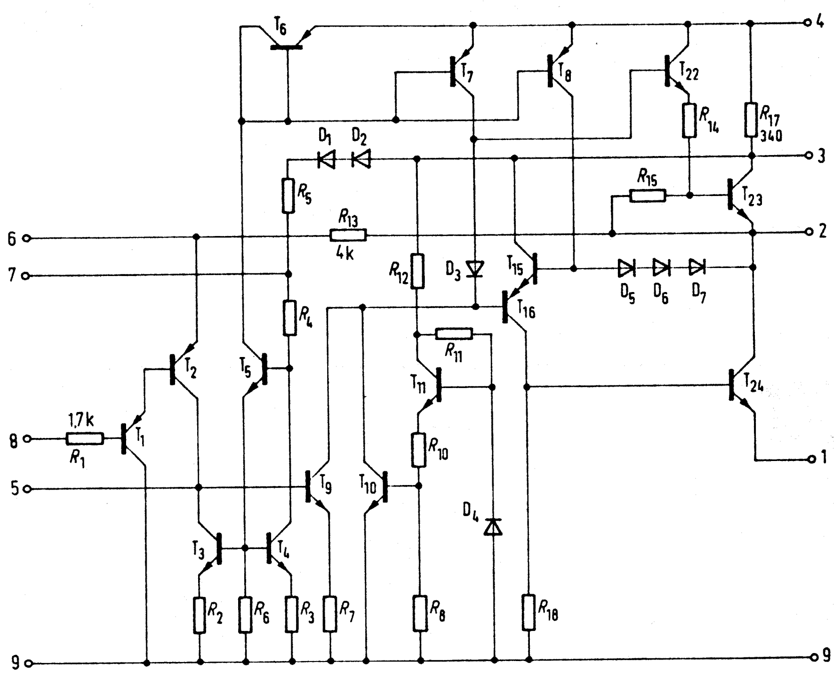


C257

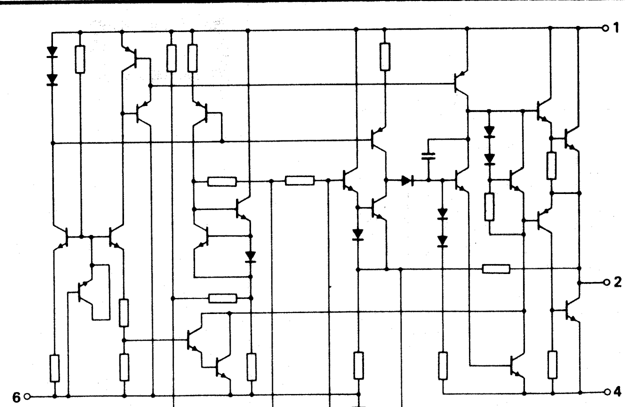


(PIN 3 NOT CONNECTED: PINS 5 AND 9 INTERNALLY CONNECTED)

C258

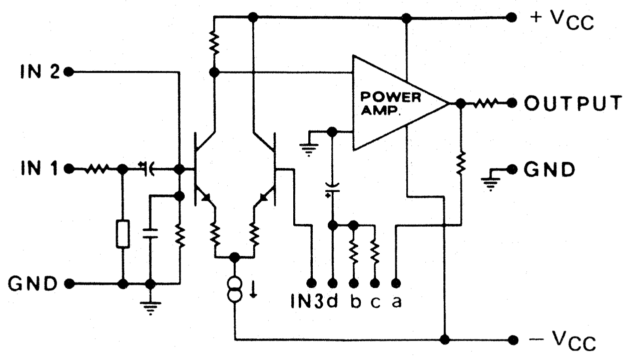


C259

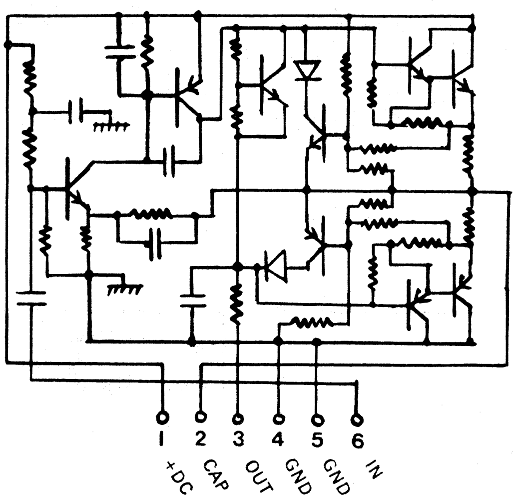


(PIN 3 NOT CONNECTED)

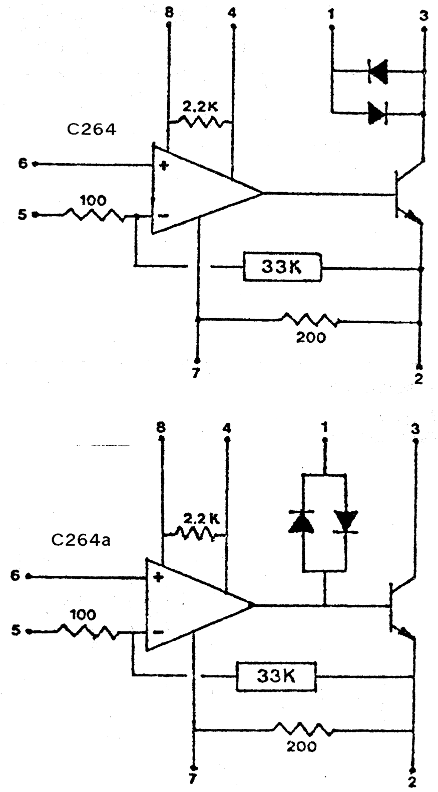
C260



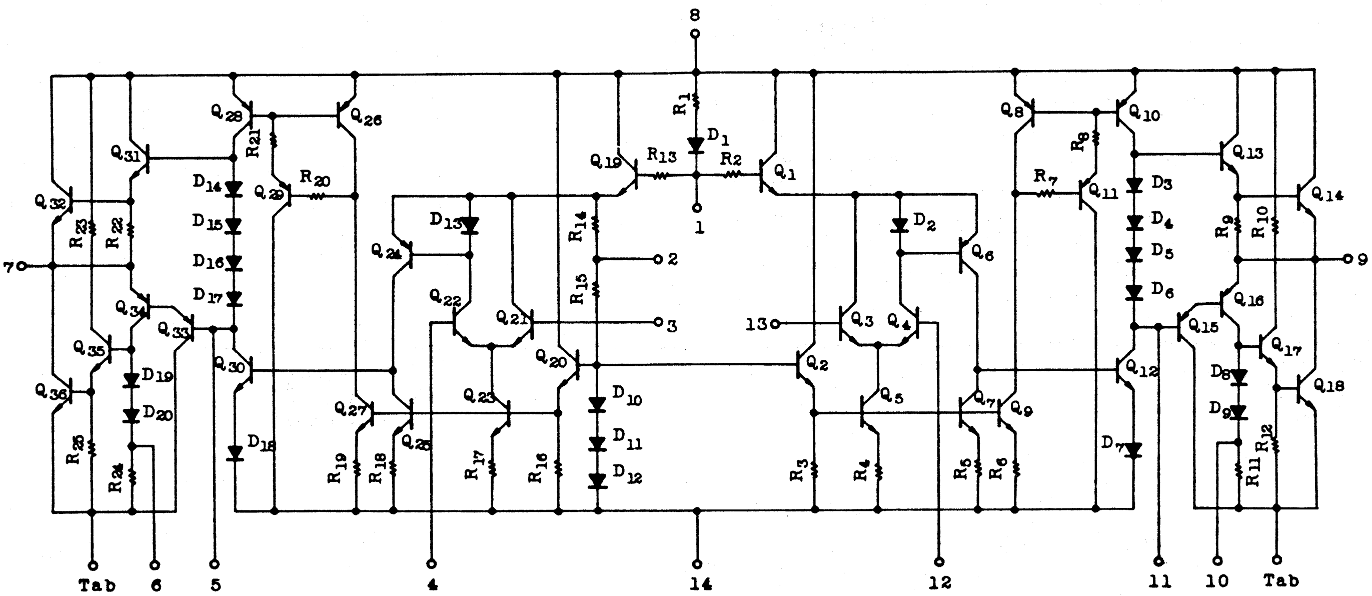
C261



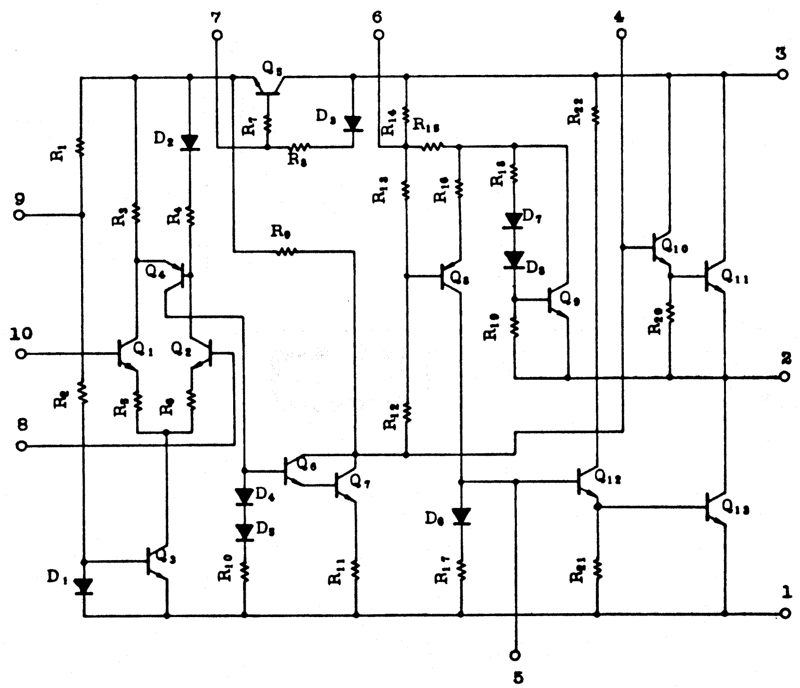
C264



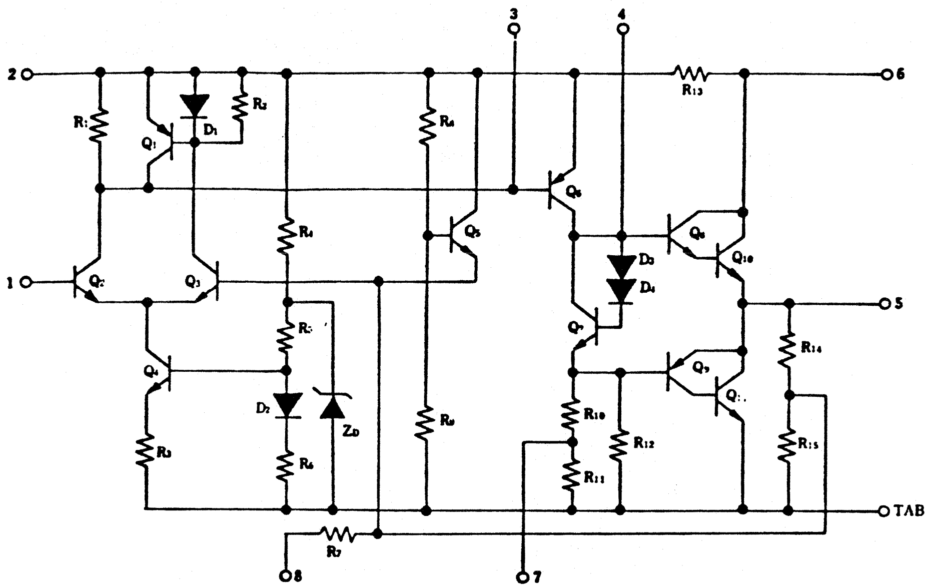
C265



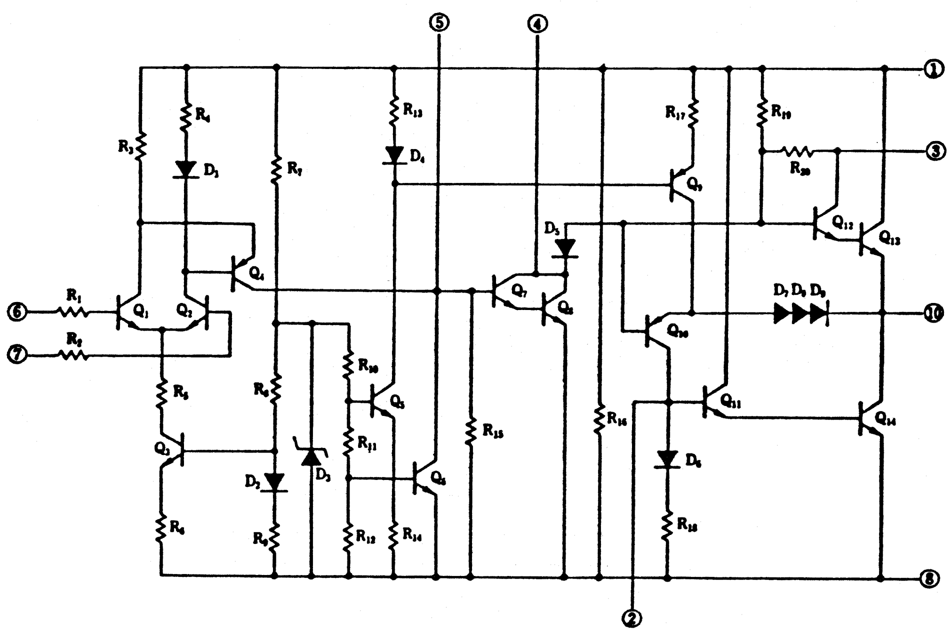
C266



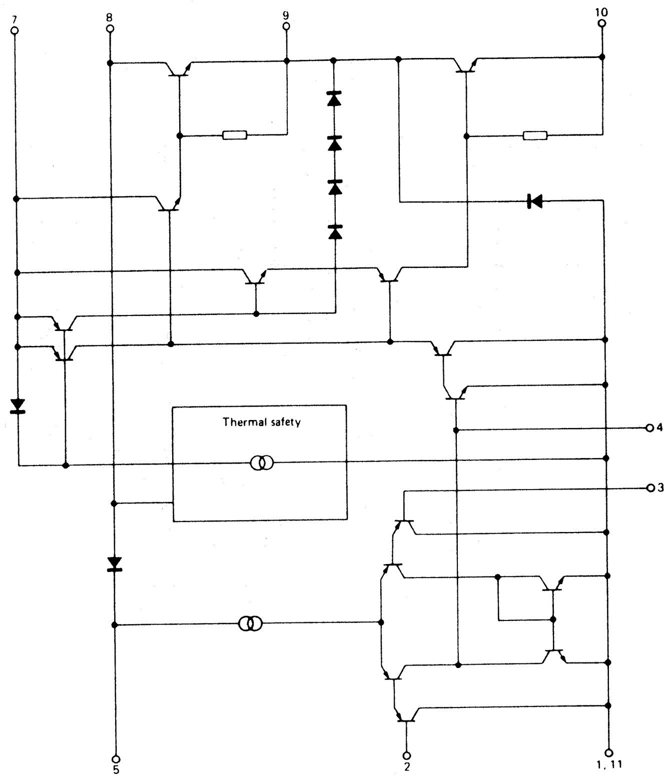
C267



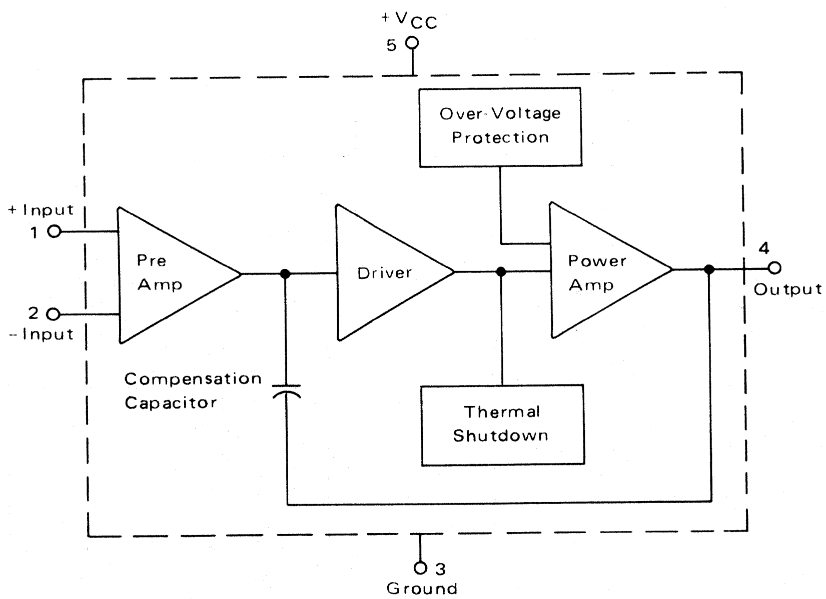
C268



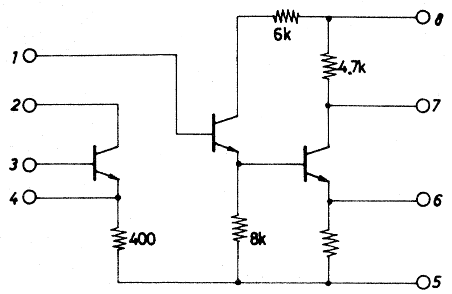
C269


7
8
9
10
Thermal safety
4
3
5
2
1, 11

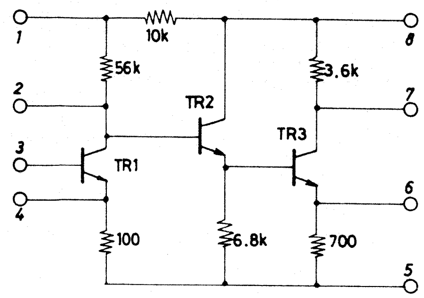
C270


+VCC
5
Over-Voltage Protection
+Input
1
Pre Amp
Driver
Power Amp
4
Output
2
-Input
Compensation Capacitor
Thermal Shutdown
3
Ground

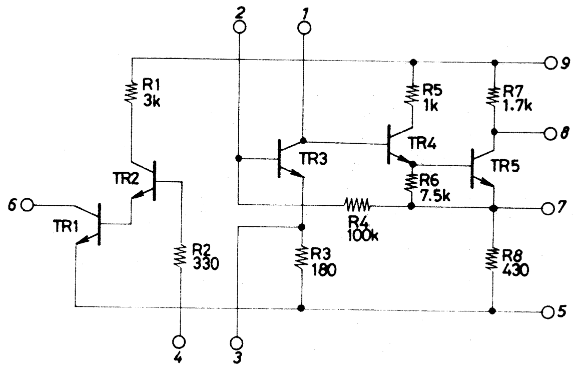
C271



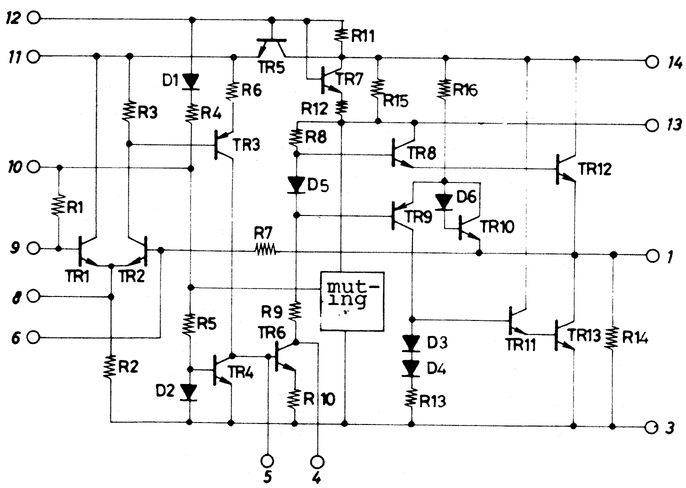
C272



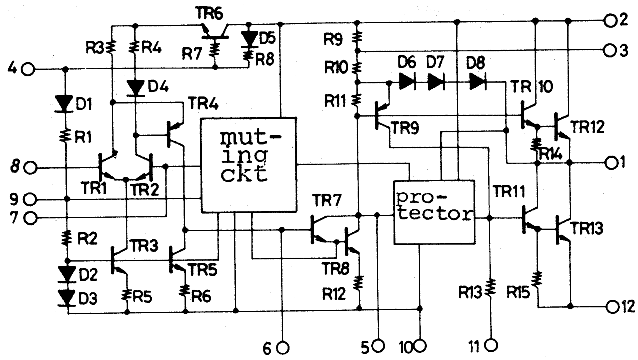
C273



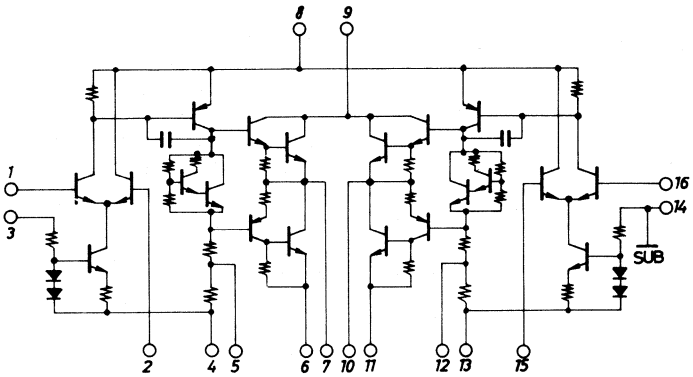
C274



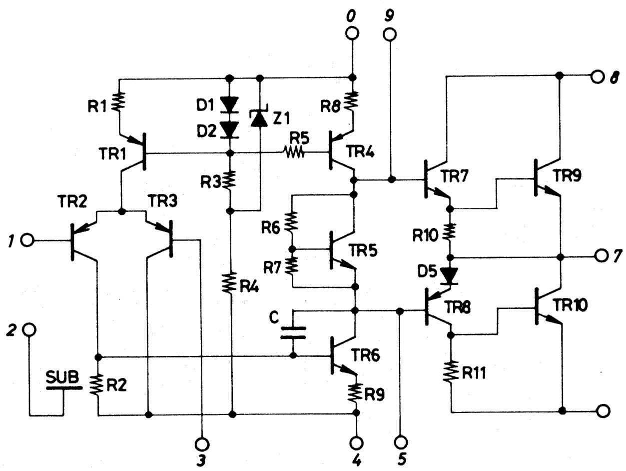
C275



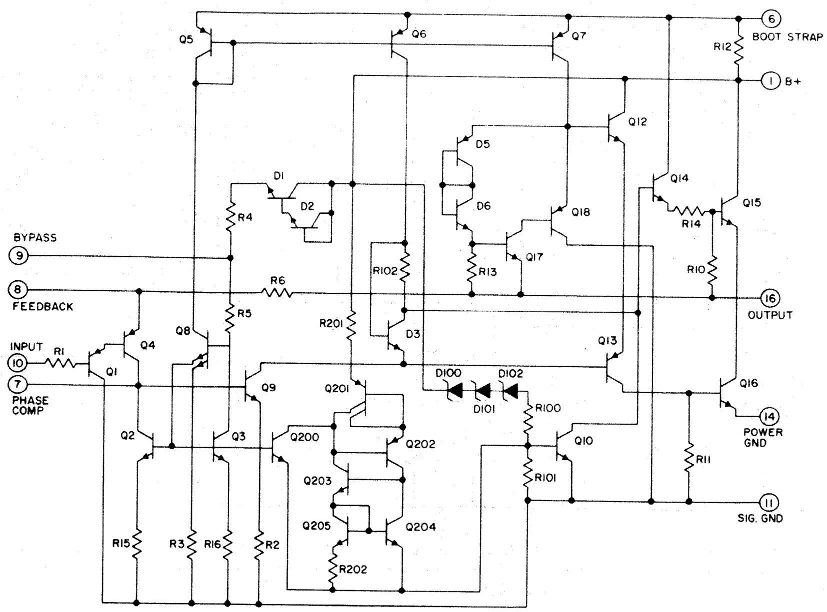
C276



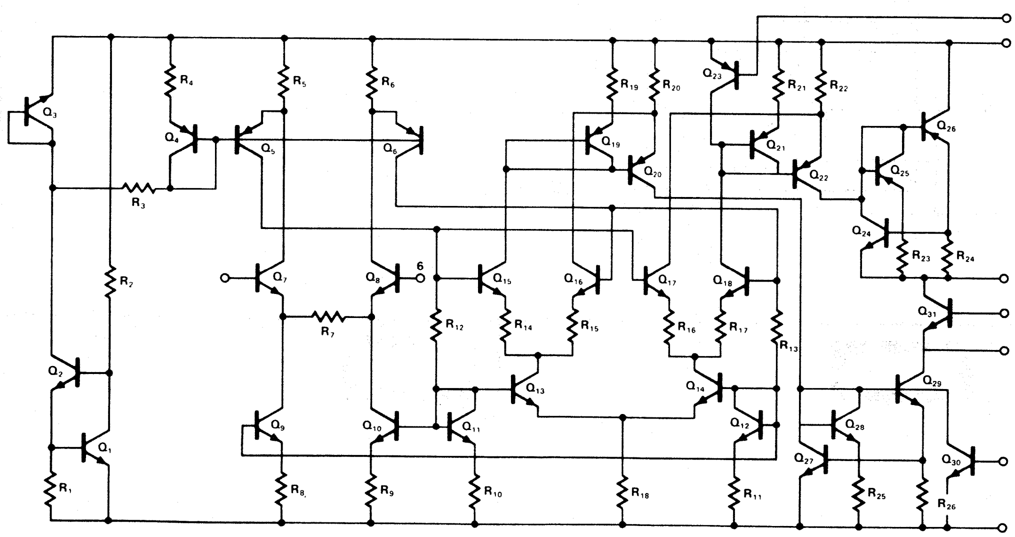
C277



C278



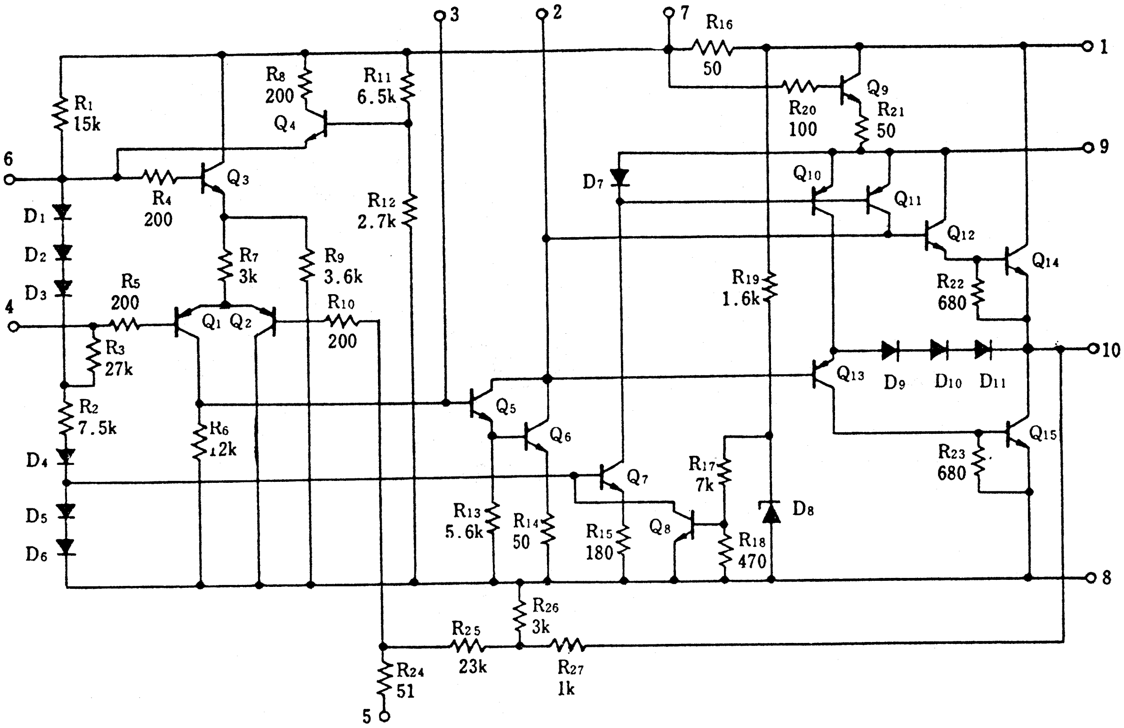
C279



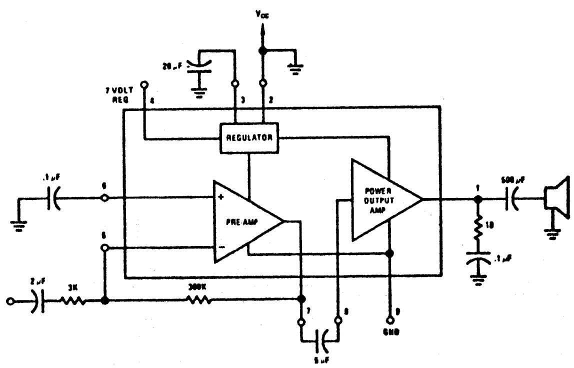
PIN NO.	NAME AND FUNCTION
1(8)	Output 2 (base)
2(9)	Output 3 (collector)
3(10)	V+
4(1)	Power limit
5(3)	NC
6(2)	Non-inverting input
7 —	NC
8(4)	Inverting input
9(5)	Power limit
10(6)	V–
11 —	NC
12(7)	Output 1 (emitter)

C279a IN (PARENTHESIS)

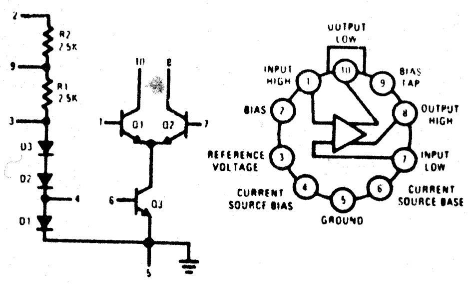
C280


1
2
3
4
5
6
7
8
9
10
R1 15k
R2 7.5k
R3 27k
R4 200
R5 200
R6 12k
R7 3k
R8 200
R9 3.6k
R10 200
R11 6.5k
R12 2.7k
R13 5.6k
R14 50
R15 180
R16 50
R17 7k
R18 470
R19 1.6k
R20 100
R21 50
R22 680
R23 680
R24 51
R25 23k
R26 3k
R27 1k
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11

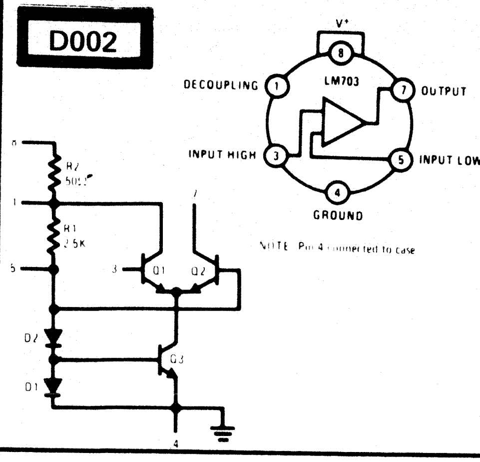
C281


REGULATOR
PRE AMP
POWER OUTPUT AMP
GND

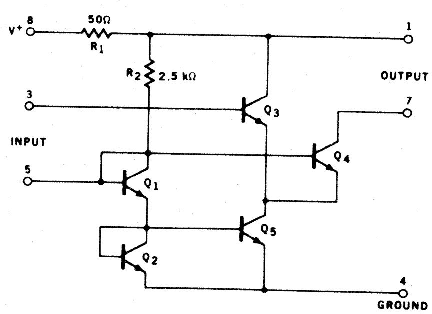
D001



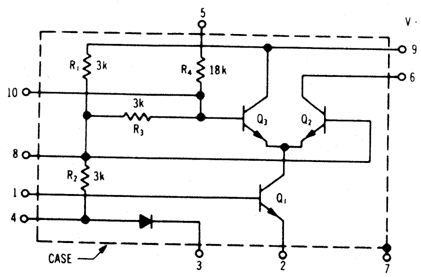
D002



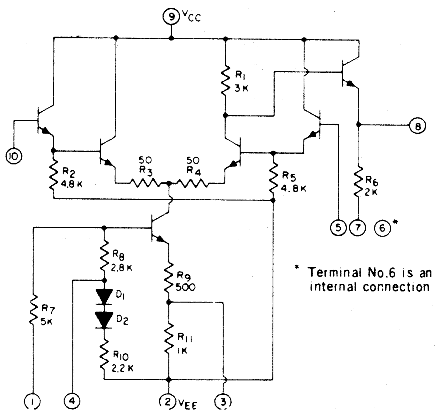
D004



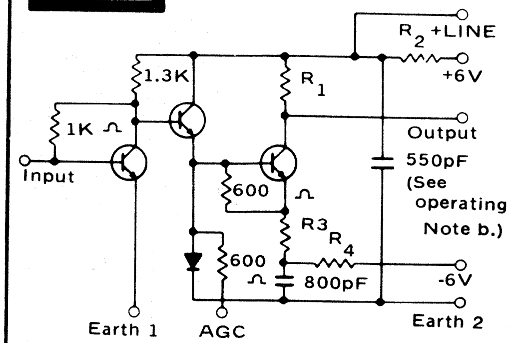
D007



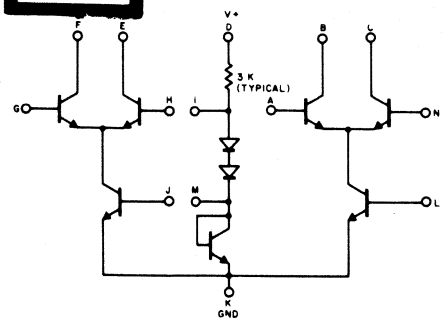
D012



D013

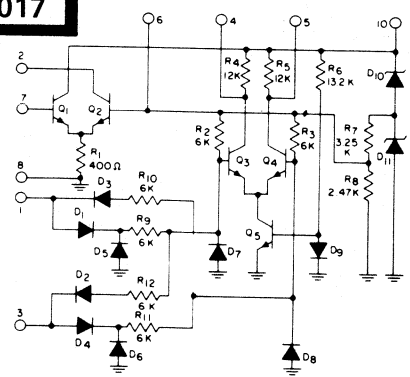


D016



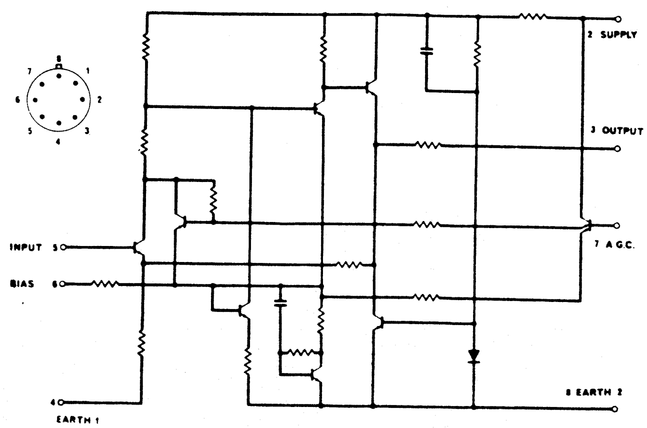
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
TO116	11	12	13	14	1	2	3	4	5	6	7	8	9	10
TO88	1	2	3	4	5	6	7	8	9	10	11	12	13	14

D017

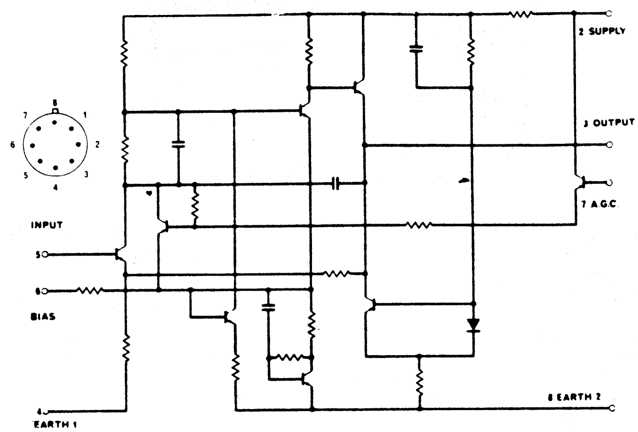


DIODES D5 AND D6 ACT AS CAPACITORS AND ARE USED TO BALANCE THE DETECTOR SUBSTRATE CAPACITANCES

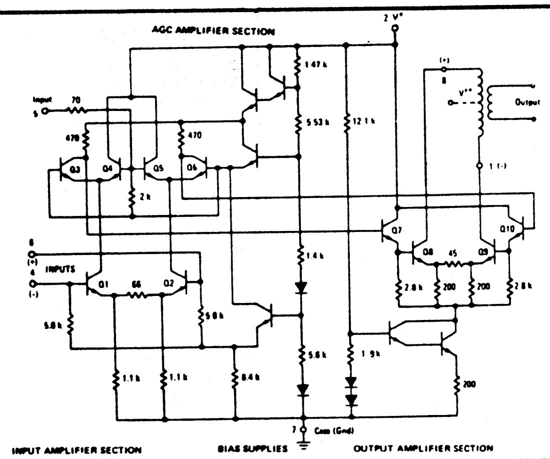
D020



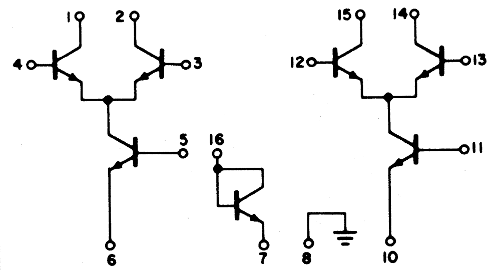
D021



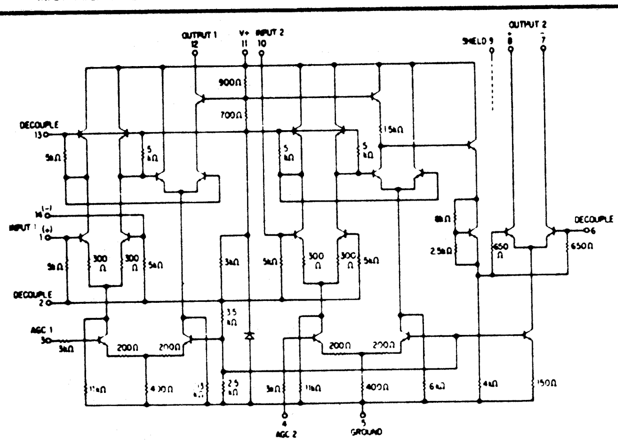
D023



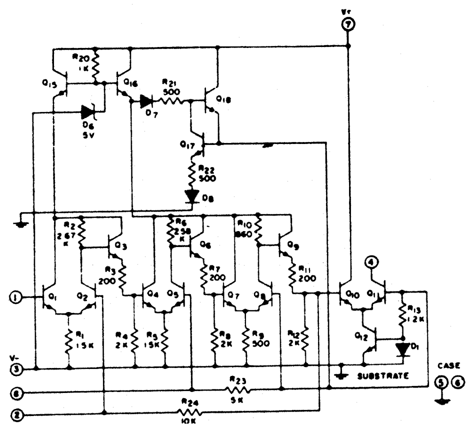
D026



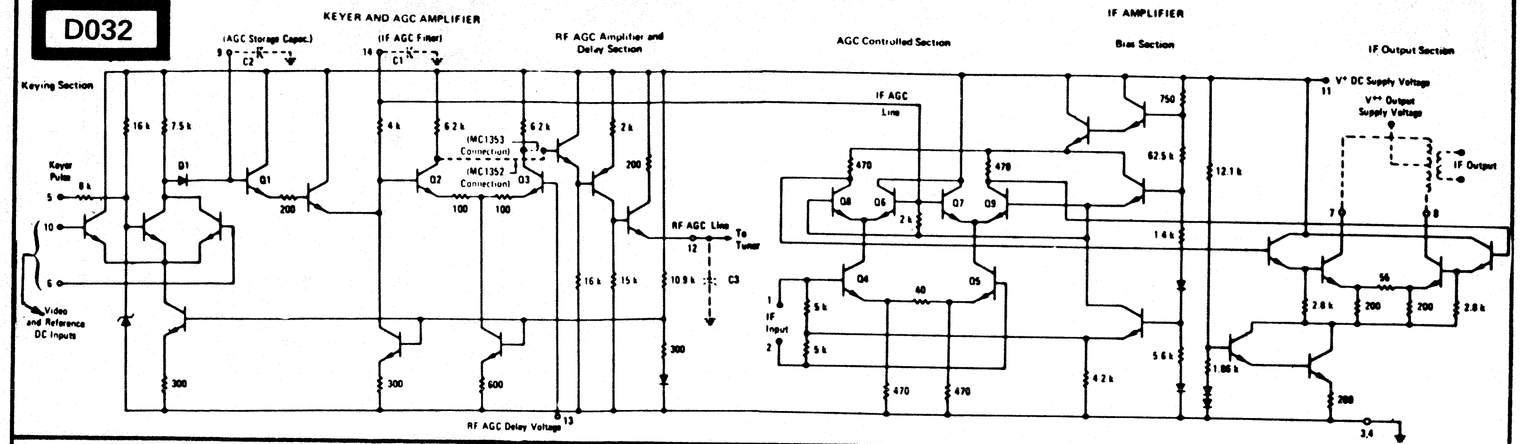
D030



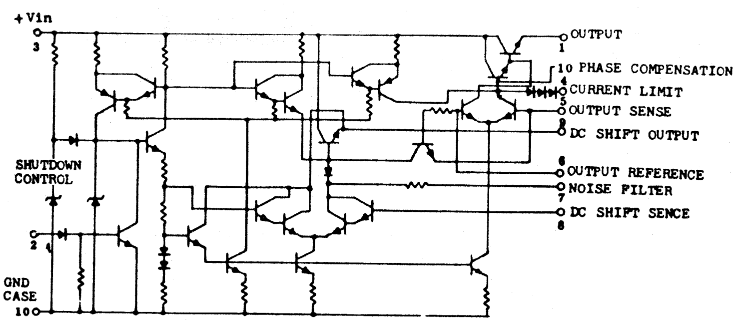
D031



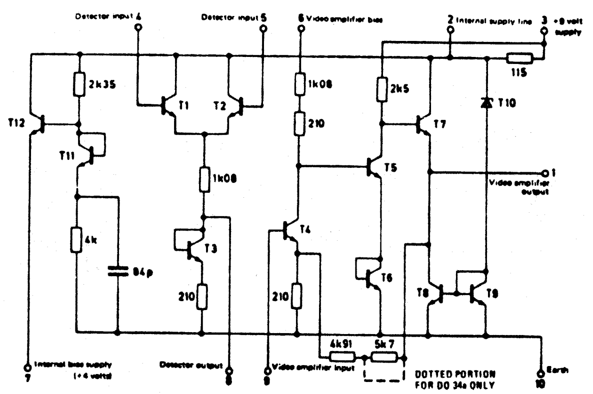
D032



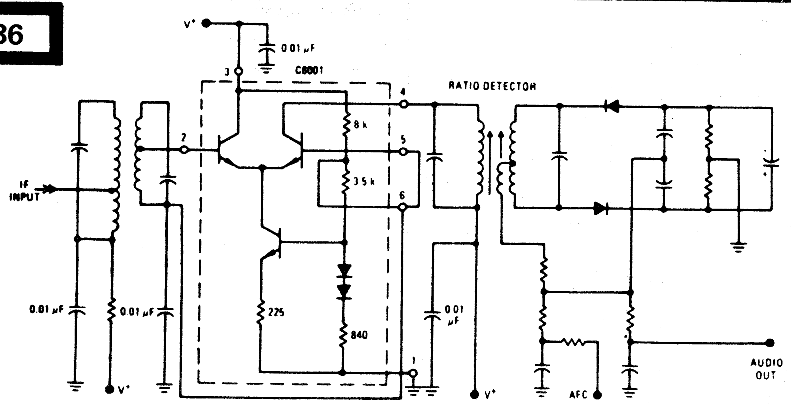
D033



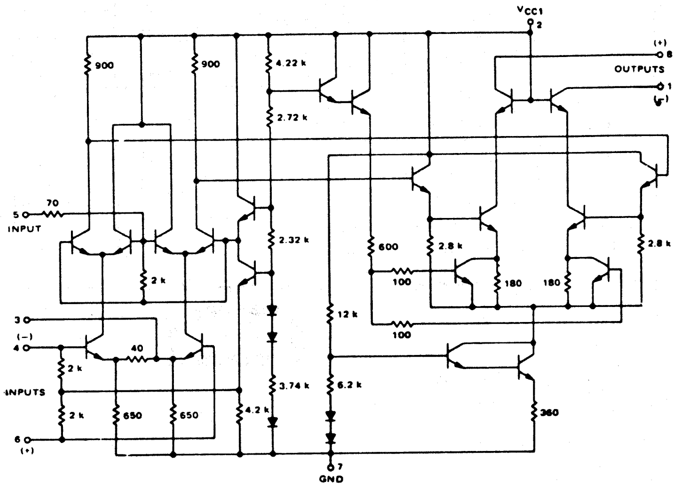
D034



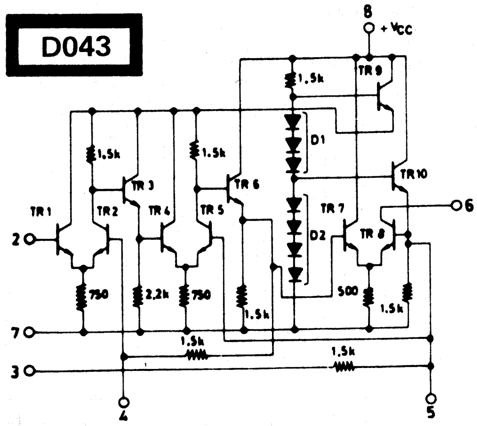
D036



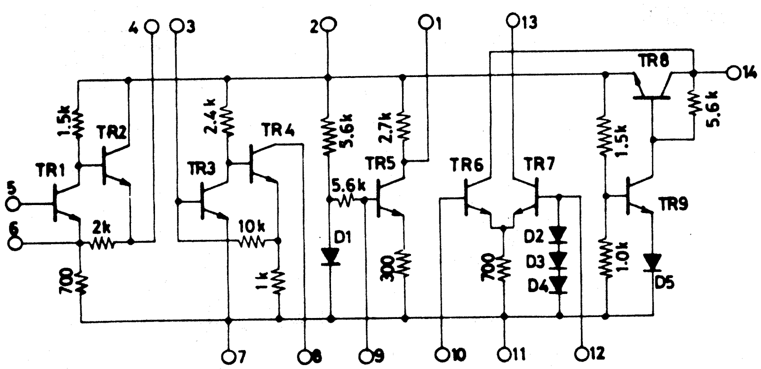
D040

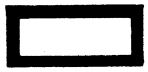


D043

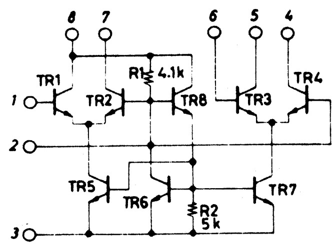


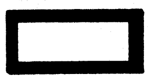
D044



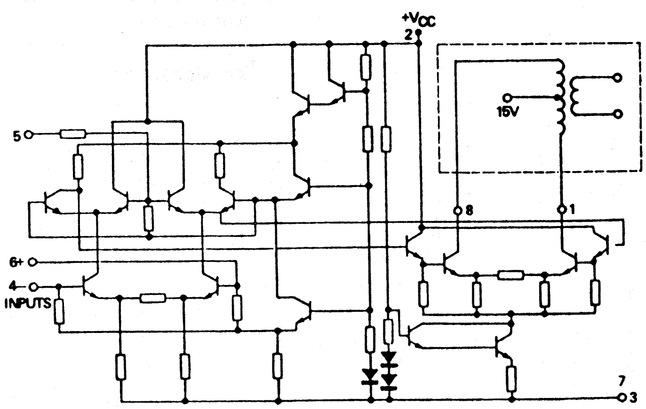


D045

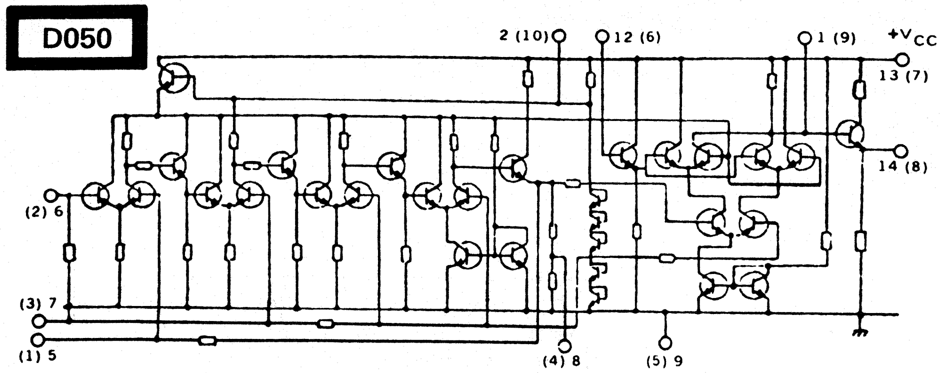




D049

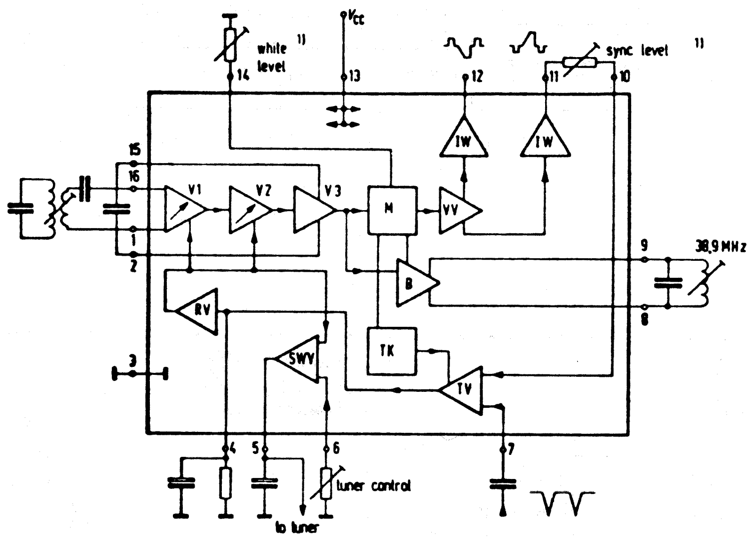


D050



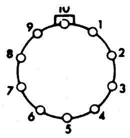
D050a — PIN NUMBERS IN PARENTHESIS

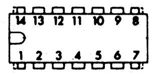
D051



1) potentiometer only if necessary, otherwise normal resistor

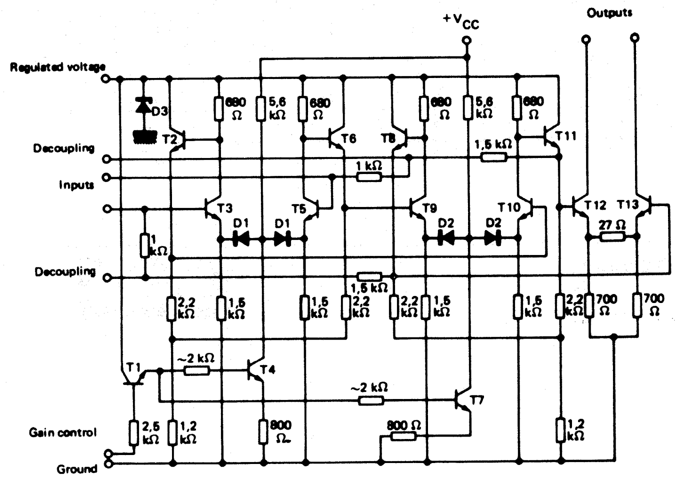
D052



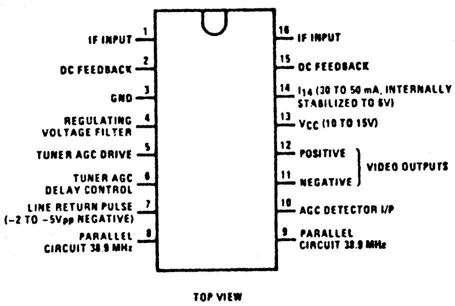


1	Decoupling	6	Gain control
2	Input	7	Output
3	Input	8	Output
4	Decoupling	9	$+V_{CC}$
5	Ground	10	Regulated voltage

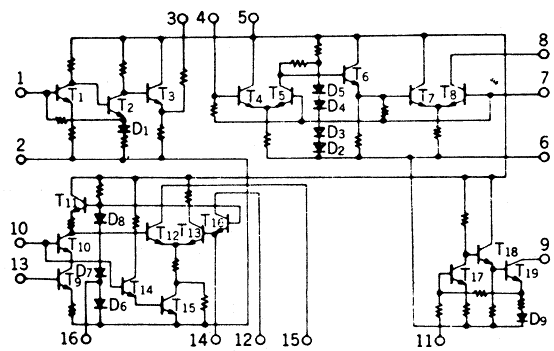
1	Ground	8	Output
2	Input	9	Not to use
3	Decoupling	10	$+V_{CC}$
4	Ground	11	Regulated voltage
5	Gain control	12	Not to use
6	Not to use	13	Decoupling
7	Output	14	Input



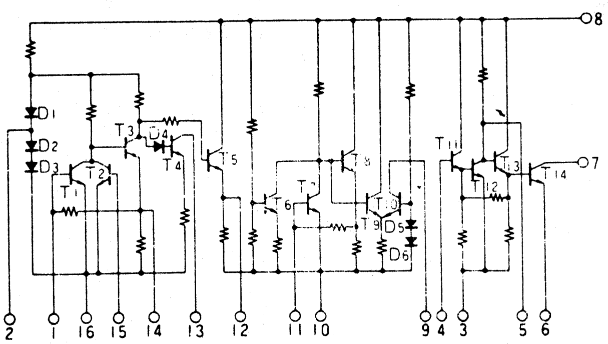
D053



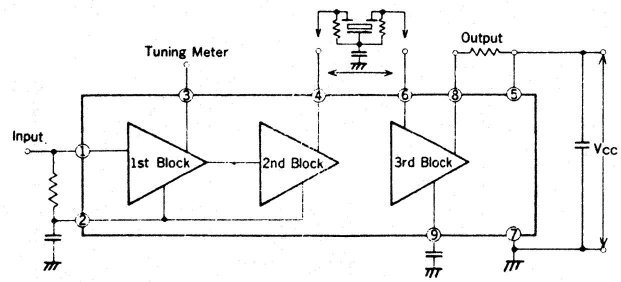
D054



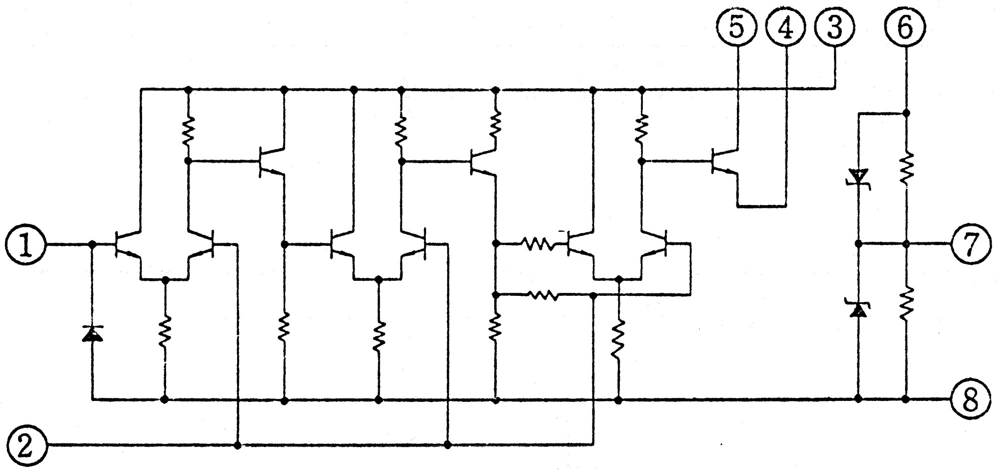
D055



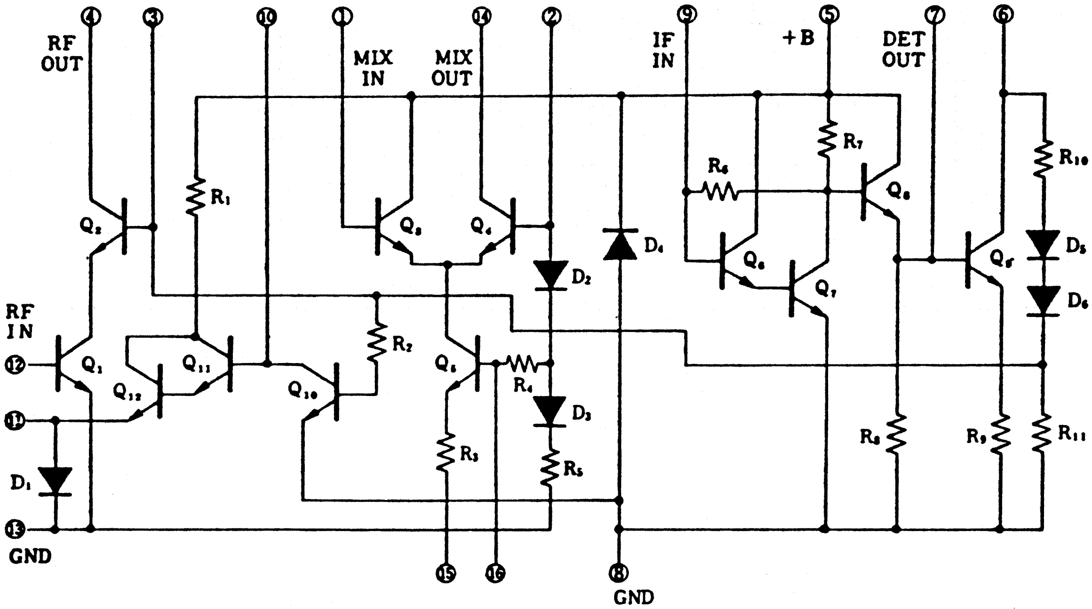
D056



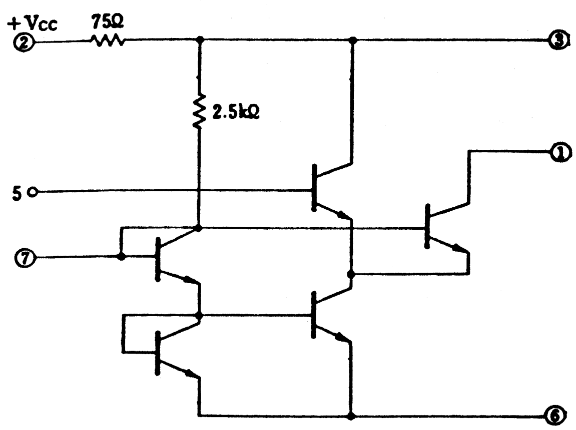
D057



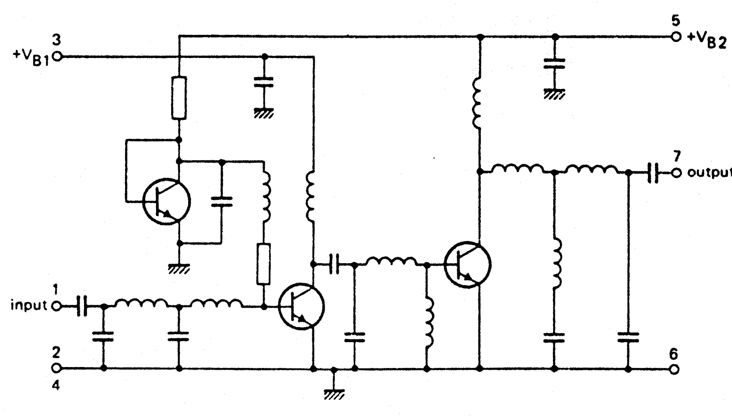
D058



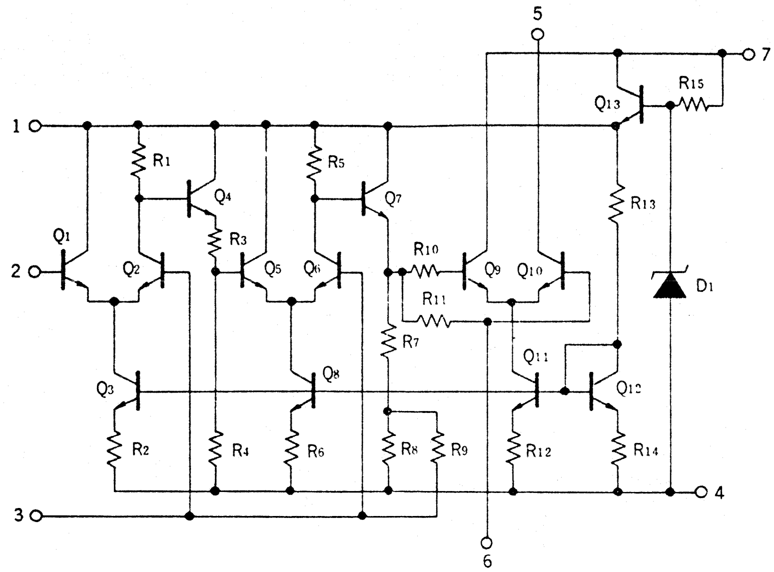
D059



D060



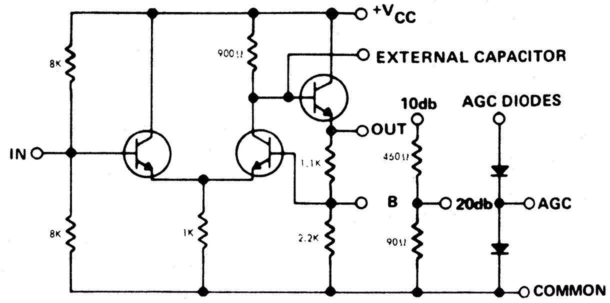
D061



1	BYPASS CAPACITOR AND STABILIZED VOLTAGE
2	INPUT HIGH
3	INPUT LOW
*4	GND
5	OUT PUT
6	BYPASS CAPACITOR
7	POWER SUPPLY

* Pin 4 should be connected to the lowest potential.

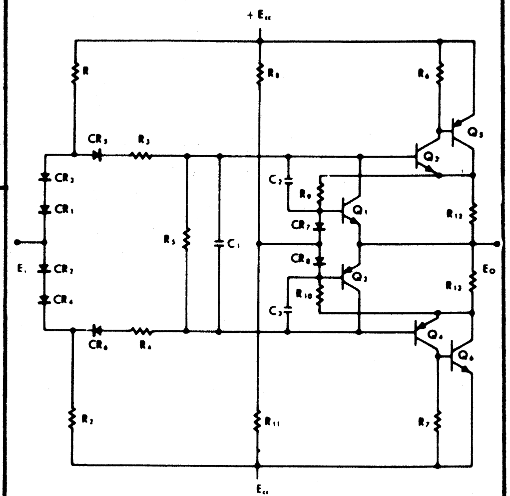
E005



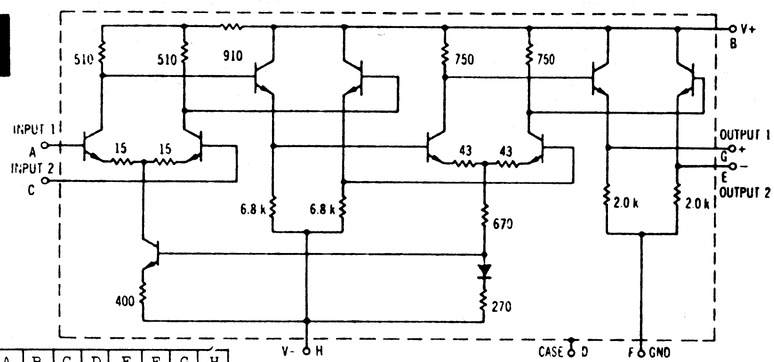
	PKG	AGC	AGC DIODES	FEEDBACK	EXTERNAL CAPACITOR	OUTP	+ VCC	INP	10DB	20 DB	GND	NC
E005	CN	1	2	3	4	5	6	7	8	9	10	
	FP or TO116	1	3	4	5	7	8	10	11	12	14	2,6,9,13

E006

	PKG	E_1	E_0	$+E_{CC}$	$-E_{CC}$
E006	MP	1	4	3	6
E006a	MP	3	8	10	6

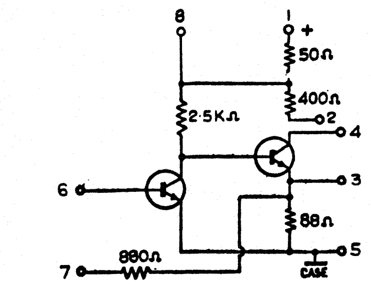


E008

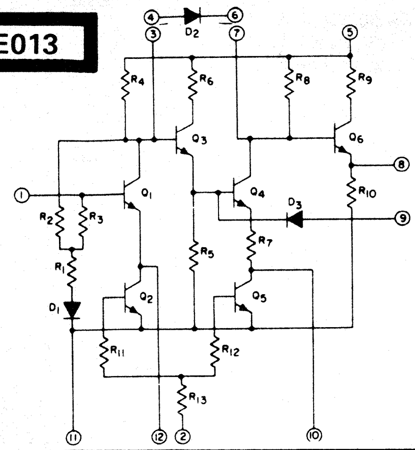


	PKG	A	B	C	D	E	F	G	H
E008	FP	1	3	5		6	7	9	10
E008a	CN	1	2	3	4	5	6	7	8
	FP	10	9	1		4	5	7	8

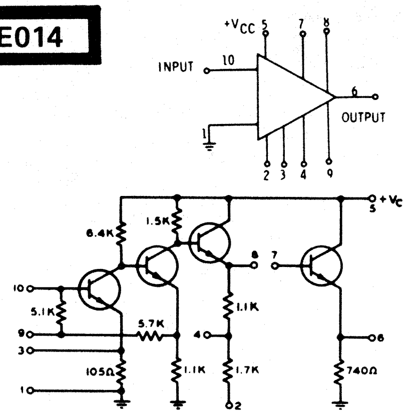
E012



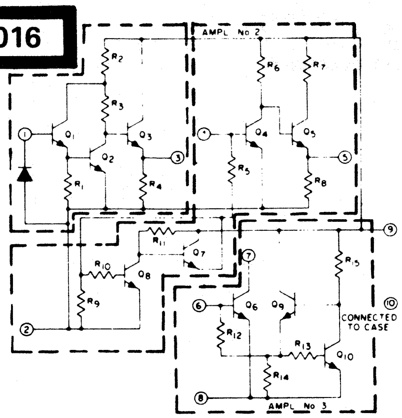
E013



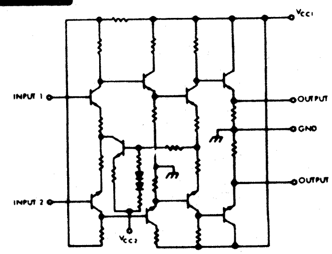
E014



E016

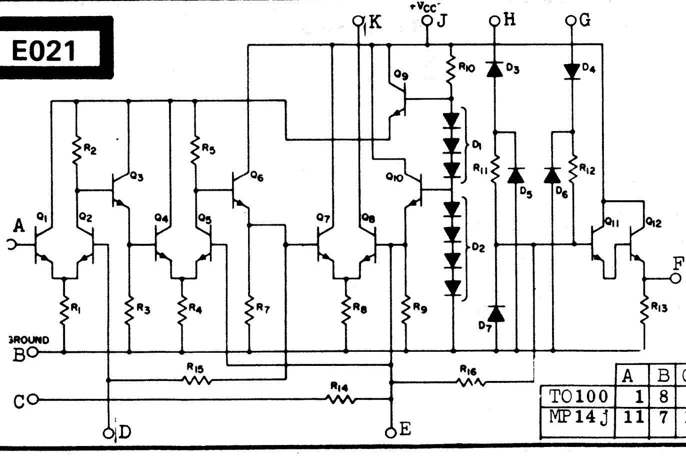


E019



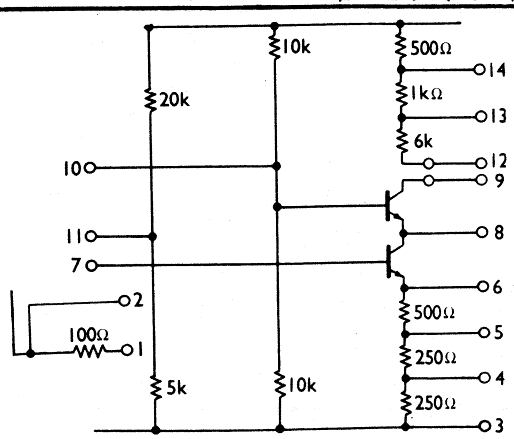
	I_{N1}	I_{N2}	V_{CC1}	V_{CC2}	O_{UT1}	O_{UT2}	G_{ND}
TO89 & TO91	1	5	3	10	9	6	7
CN & TO76	1	3	2	8	7	5	6

E021

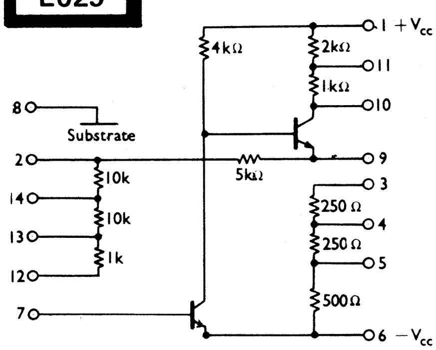


	A	B	C	D	E	F	G	H	J	K
TO100	1	8	2	3	4	9	7	6	10	5
MP14J	11	7	12	13	2	9	6	5	10	3

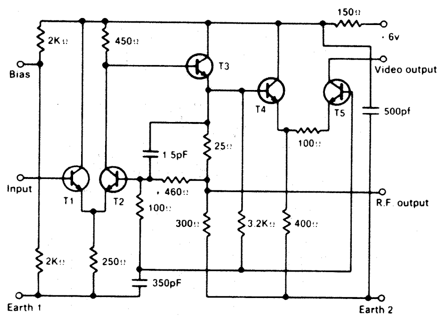
E028



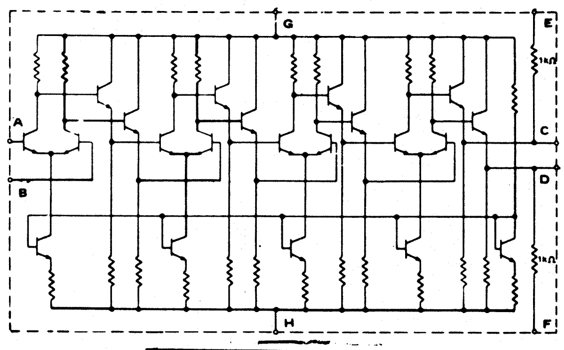
E029



E030

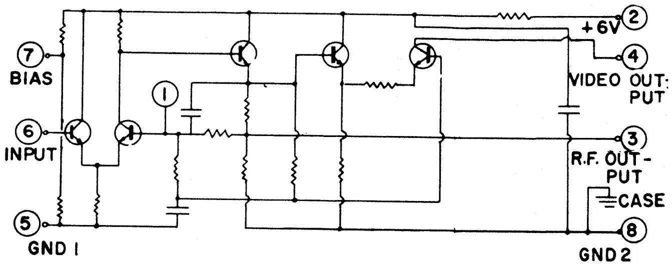


E031

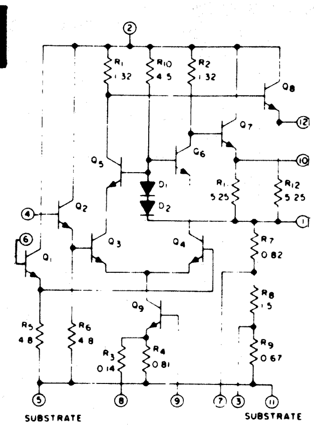


	A	B	C	D	E	F	G	H
E031	1	2	6	5	7	4	9	3
E031a	8	9	3	2	4	1	6	10

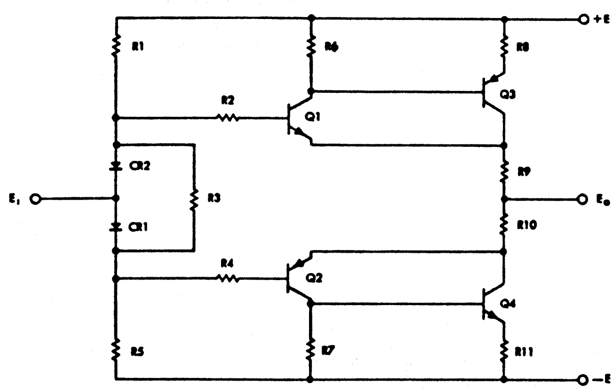
E032



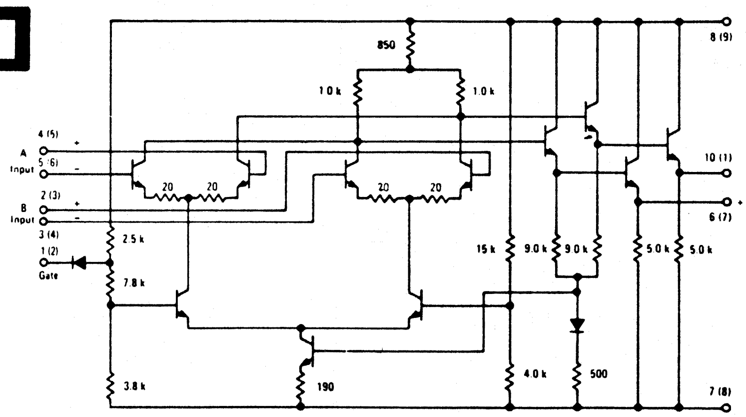
E035



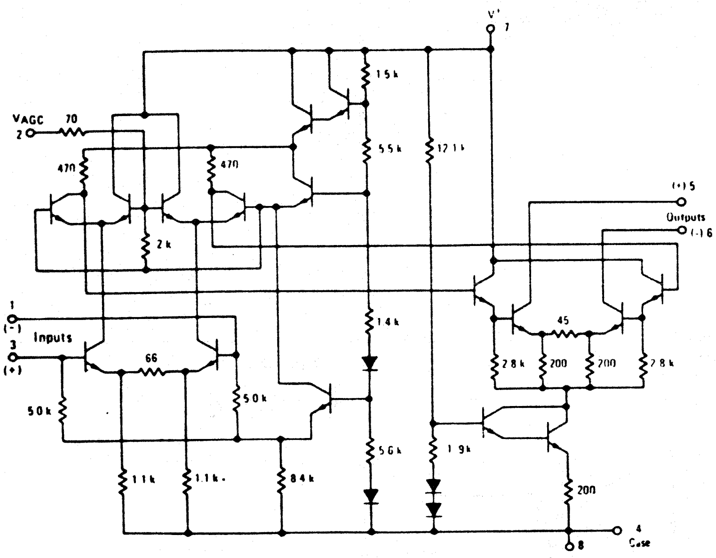
E036



E037

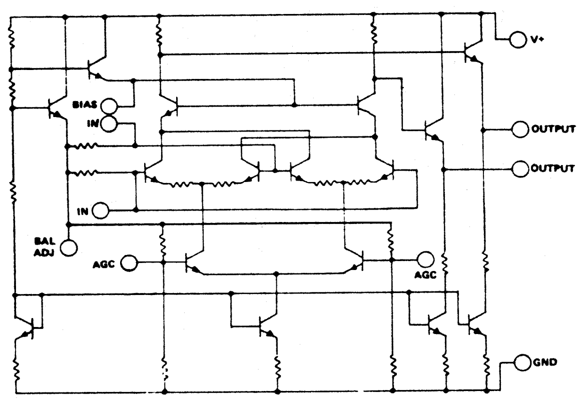


E038



Pins 4 and 8 should both be connected to circuit ground

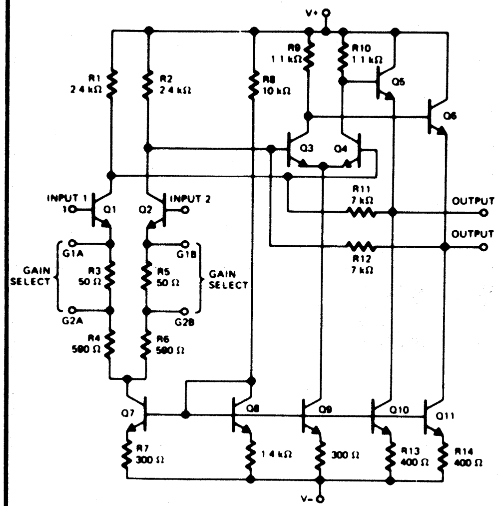
E039



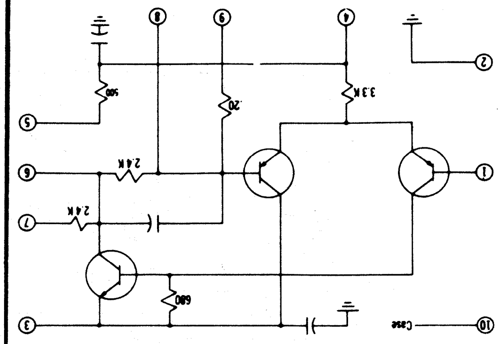
	PKG	V+	AGC	OUT	BIAS	IN	BAL.ADJ.	GND	NC
E039	TO100,CN	1	2,9	3,8	4	5,7	6	10	
	MP,PF,TO116	1	3,12	4,11	5	7,10	8	14	2,6,9,13

E040

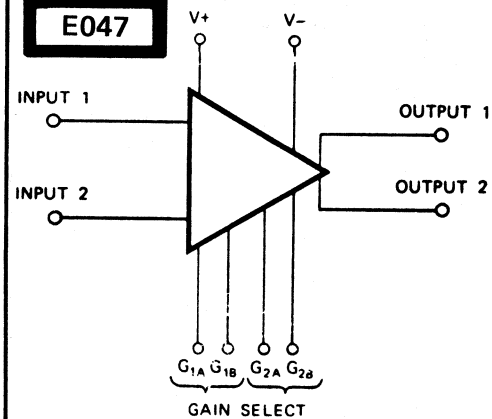
		OUTPUT		V	V	GAIN OP2		GAIN OP1		INPUT		NC
		1	2	+	-	A	B	A	B	1	2	
E040	TO100,CN	7	6	8	5	10	3	9	4	1	2	
	MP,FP,TO116	8	7	10	5	12	3	11	4	14	1	2,6,9,13



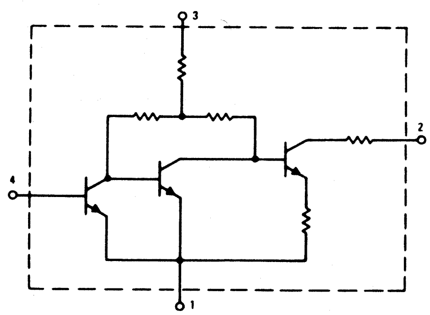
E043



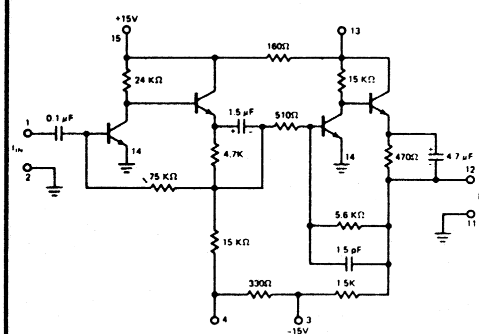
E047



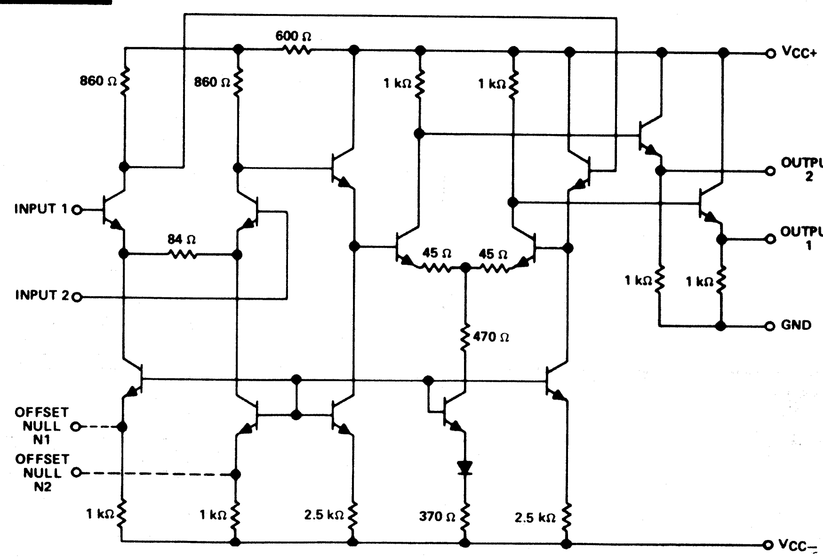
E048



E049



E050

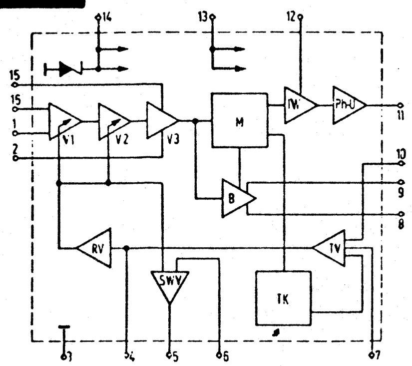


	PKG	INPUT		OFFSET		OUTPUT		VCC	VCC	GND
		1	2	N1	N2	1	2	+	-	
E050	CN	2	4	10	1	8	6	3	9	7
	MP	3	5	2	13	11	9	4	12	10
E050a	CN	1	3	NA	NA	7	5	2	8	6
	MP									

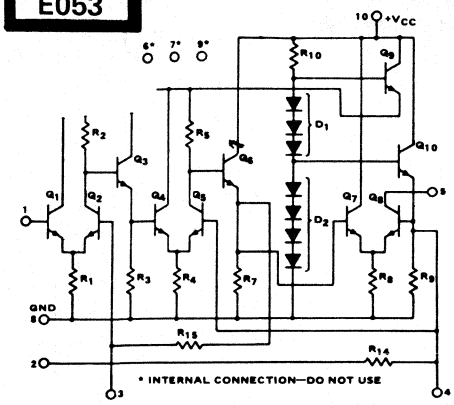
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

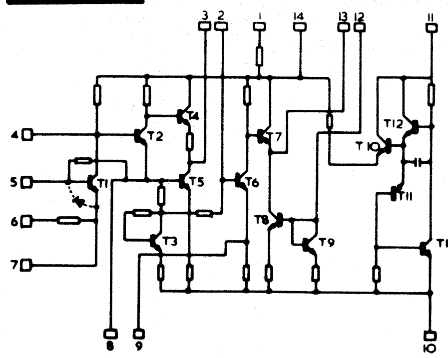
E051



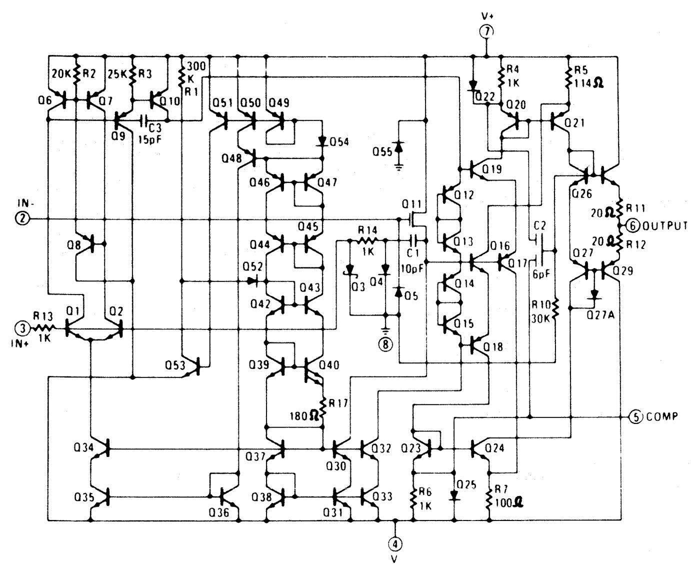
E053



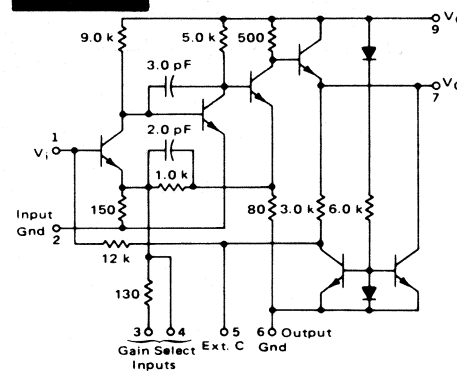
E054



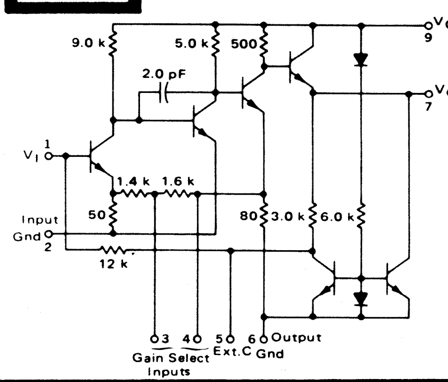
E055



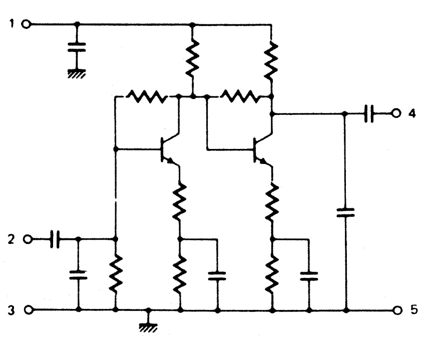
E056



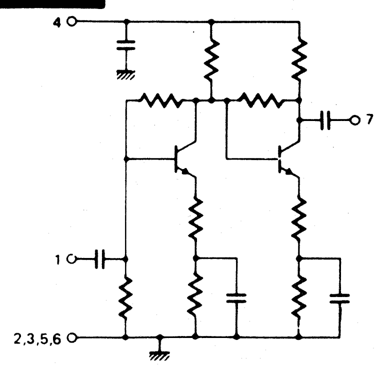
E057



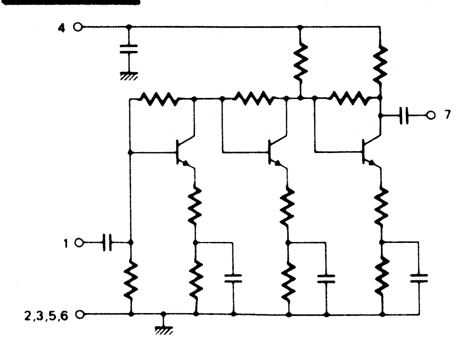
E058



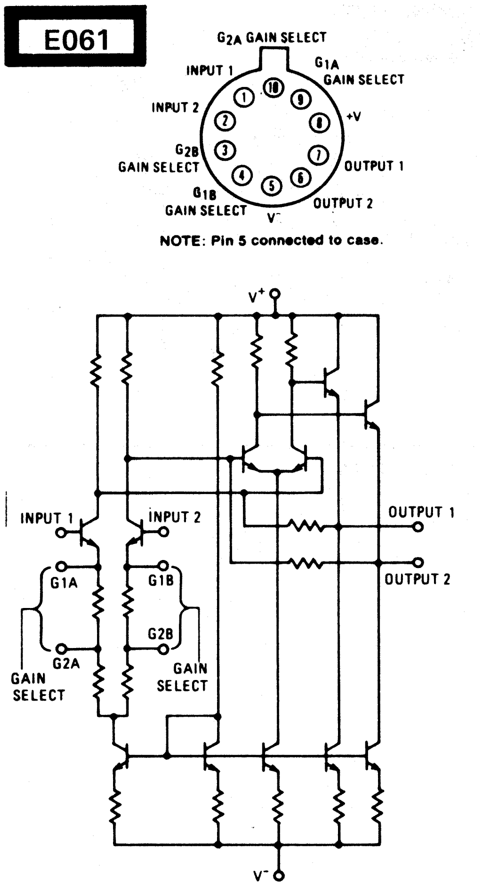
E059



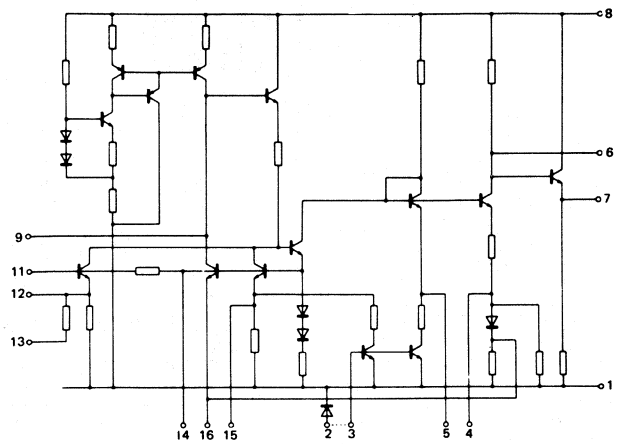
E060



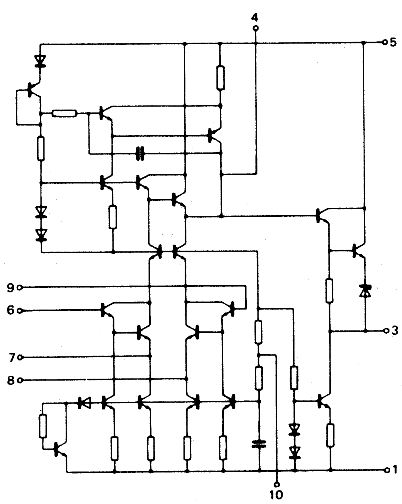
E061



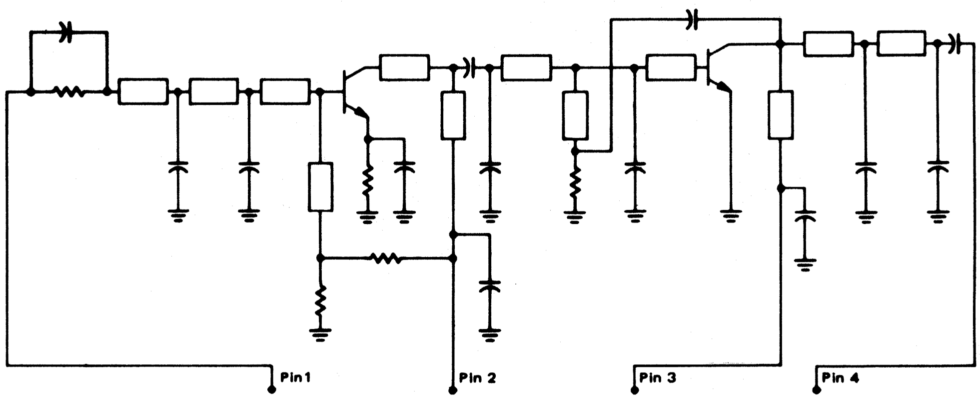
E062



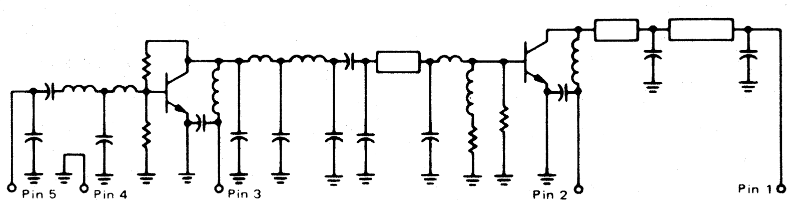
E063



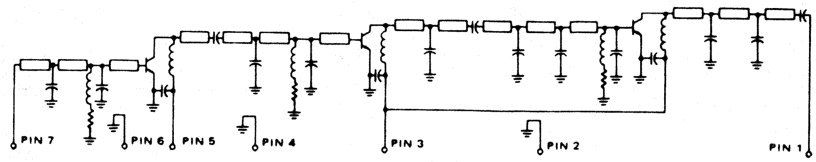
E064



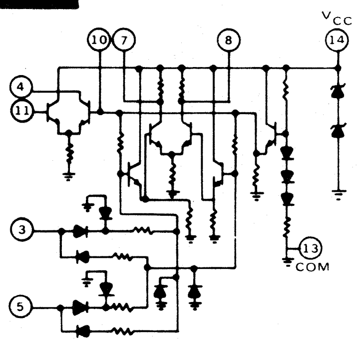
E065



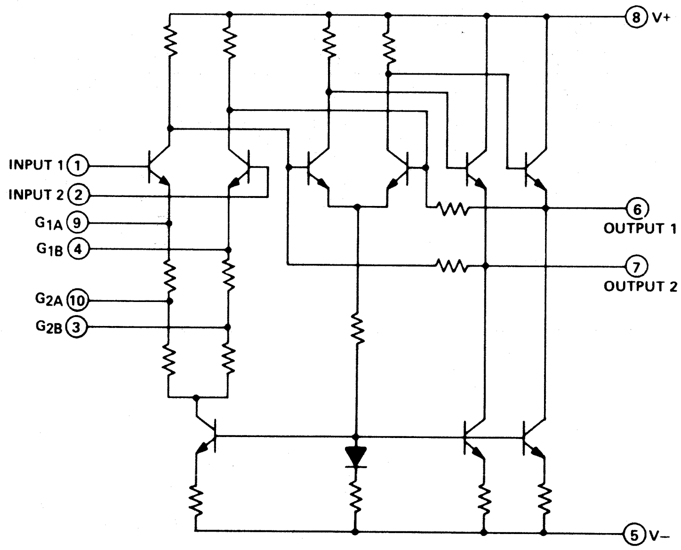
E066



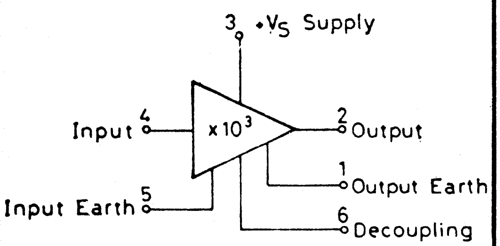
E068



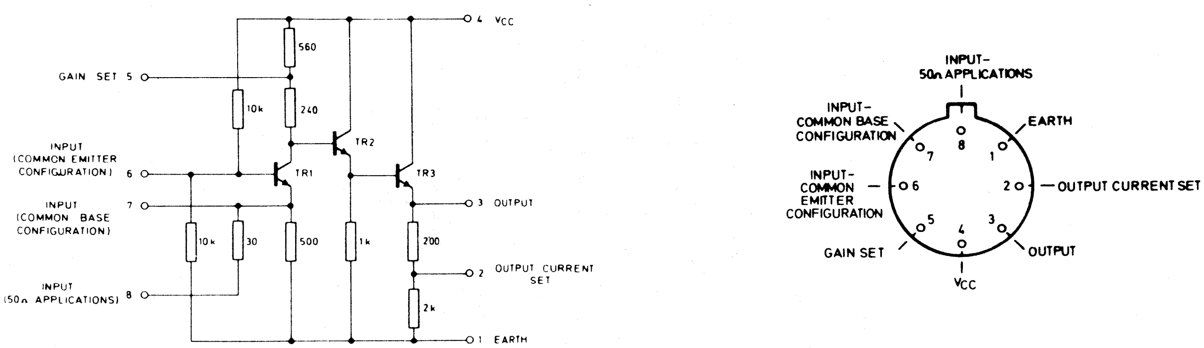
E069



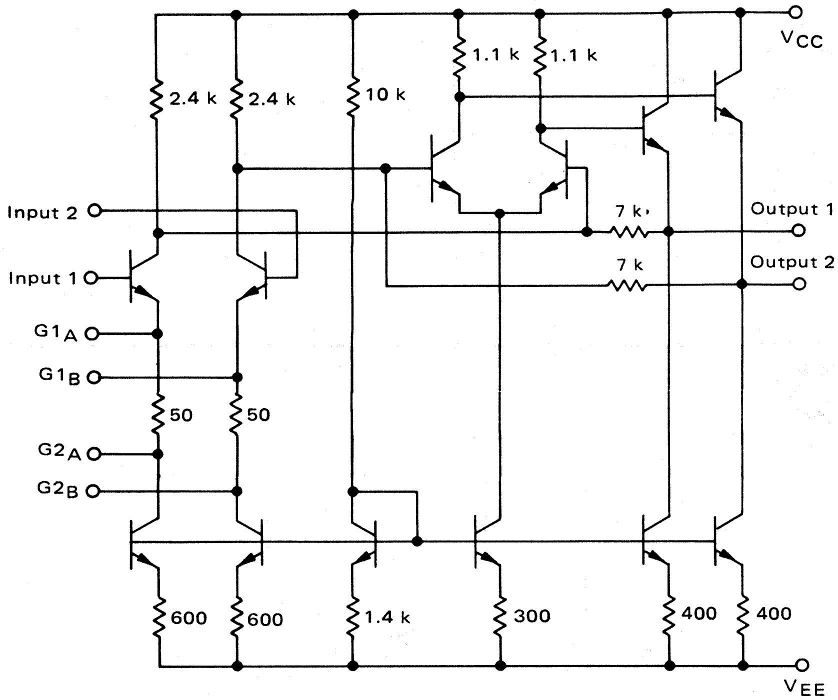
E070

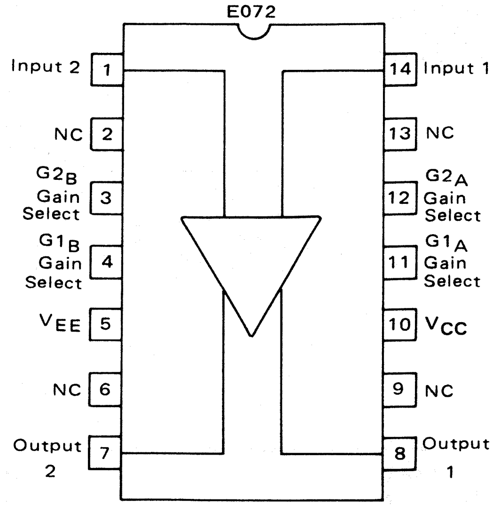


E071



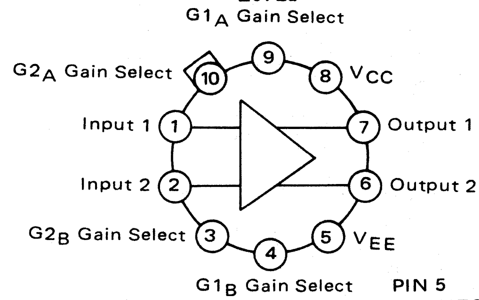
E072





(top view)

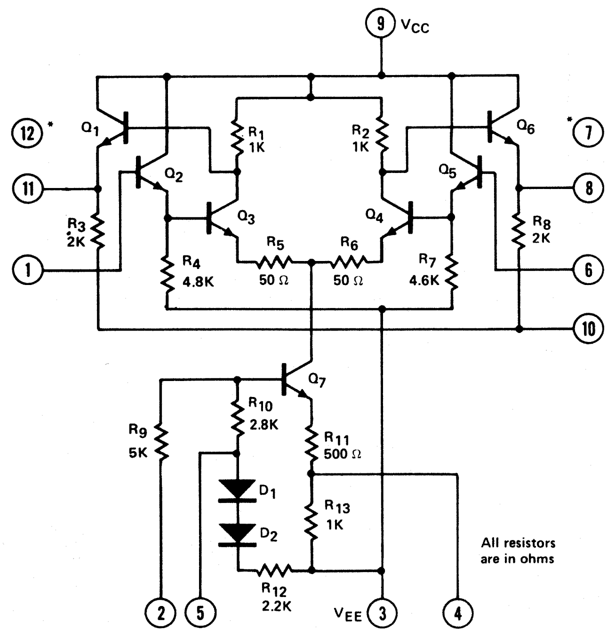
E072a



(top view)

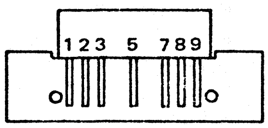
PIN 5 CONNECTED TO CASE

E073



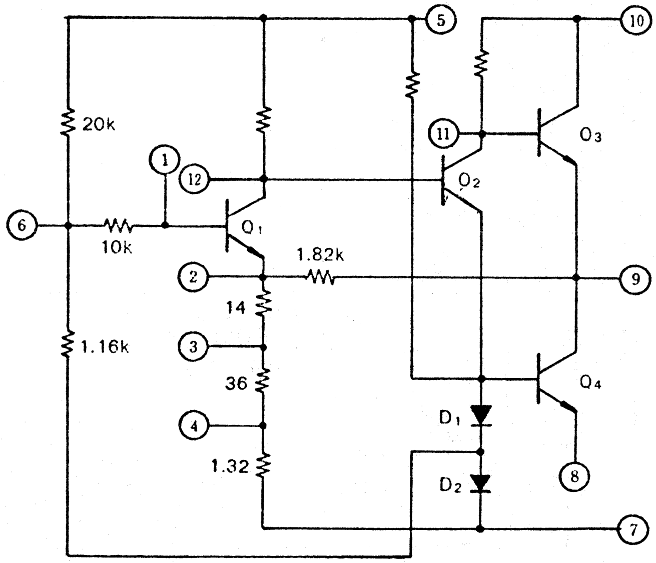
*Internal Connection – DO NOT USE

E074

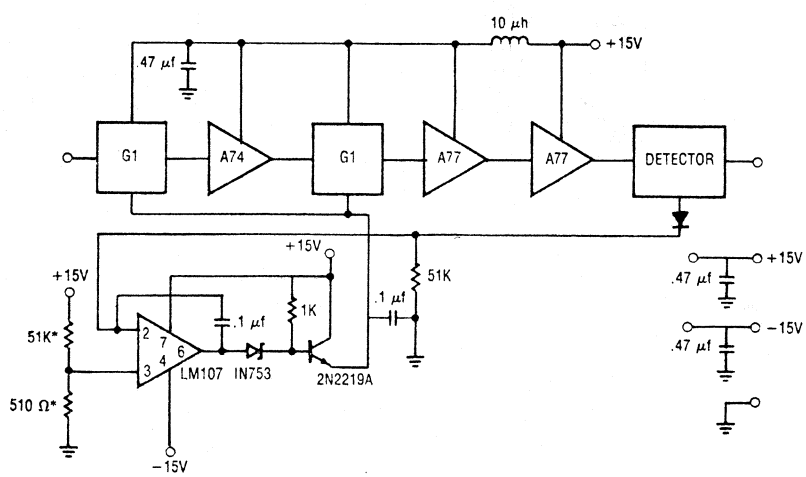


PIN 1. RF INPUT
5. V_{DC}
2,3,7,8. DC AND RF GROUND
9. RF OUTPUT

E075



E076

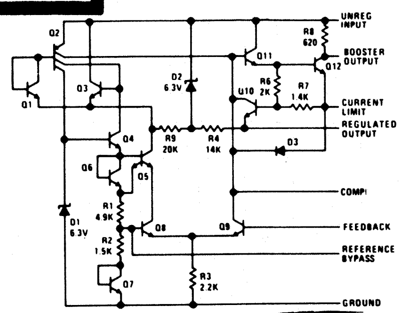


*FACTORY SELECT

13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

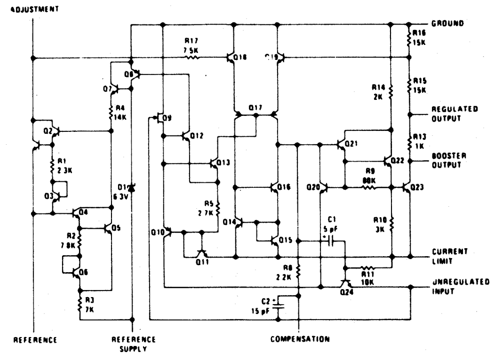
F001



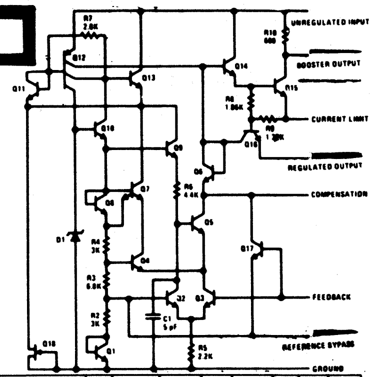
	PKG	IN	BOOST OUT	ILIM	OUT	COMP	FB	REF	GND
F001	CN	3	2	1	8	7	6	5	4
	FP	3	2	9	8	7	6	5	4
	MP	4	3	12	11	10	8	7	5

F002

		ADJ	REF	REF SUPPLY	COMP	UNREG INPUT	CURR LIM	BOOSTER OUTPUT	REG OUTPUT	GROUND
F002	MP	2	3	5	6	9	10	11	12	13
	CN	1	2	3	4	5	6	7	8	9

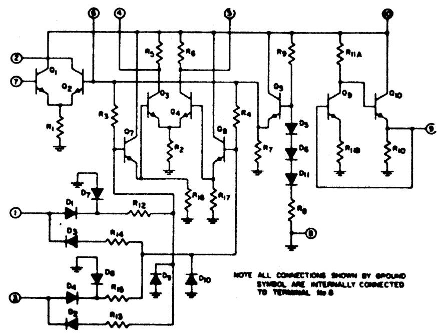


F003

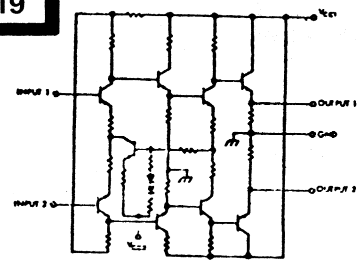


	PKG	IN	BOOST OUT	ILIM	OUT	COMP	FB	REF	GND
F003	CN or TO99	3	2	1	8	7	6	5	4
	FP	3	2	9	8	7	6	5	4
	MP	4	3	12	11	10	8	7	5

F018

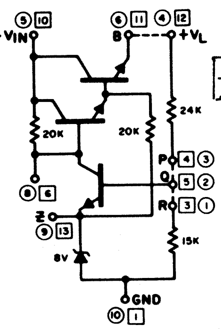


F019



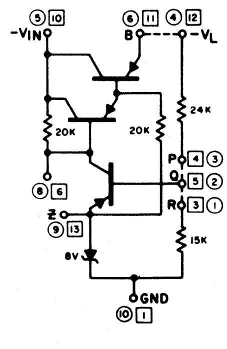
	I_{N1}	I_{N2}	V_{CC1}	V_{CC2}	O_{UT1}	O_{UT2}	G_{ND}
TO89 & TO91	1	5	3	10	9	6	7
CN & TO76	1	3	2	8	7	5	6

F021

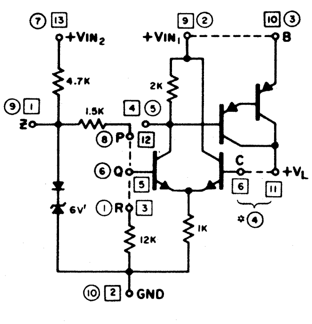


CN-PINS IN CIRCLES
FP-PINS IN SQUARES

F022

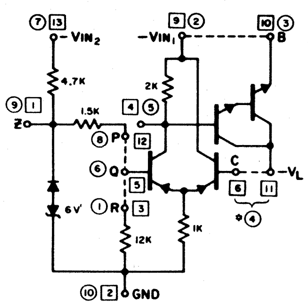


F023

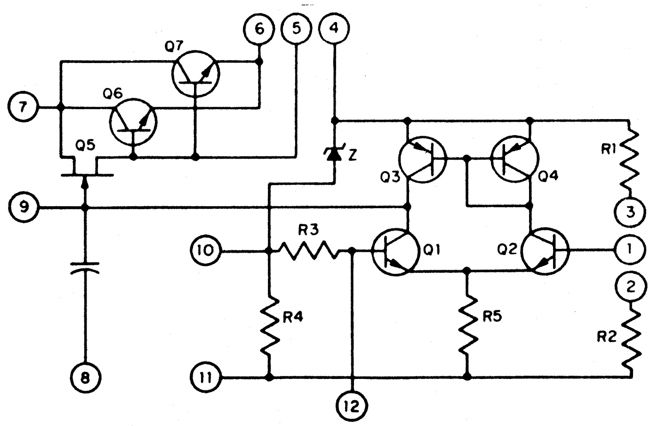


F024

CN-CIRCLES
FP-SQUARES

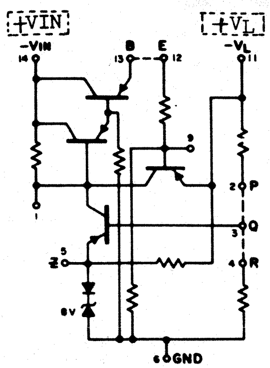


F025



F027

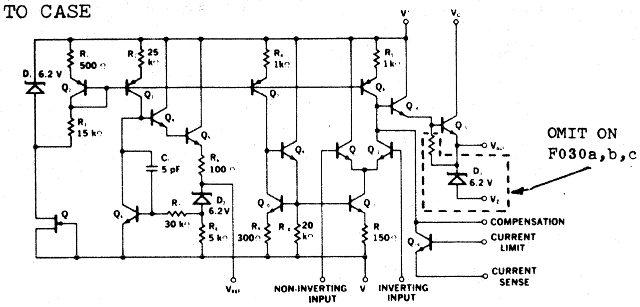
F027 A IN DOTTED SECTION



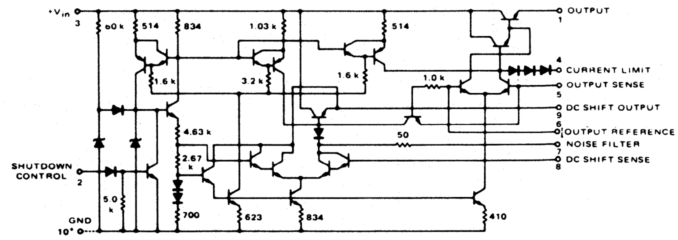
F030

	PKG	CURRENT SENSE	INV IN	NON INV IN	VREF	V-	VZ	VOUT	VC	V	FREQ COMP	CUR LIMIT	NC
F030,a	CN	1	2	3	4	5*		6	7	8	9	10	
	MP or TO116	3	4	5	6	7	13	12	11	10	9	2	1,8,14
	FP	3	4	5	6	7	9	10	11	12	13	2	1,8,14
F030b	CN	1	2	3	4	5	NA	6	7	8	9	10	NA
F030c	MP	3	4	5	6	7	9	10	11	12	13	2	1,8,14
F030d	MP or FP	3	4	5	6	7	9	10	11	12	13	2	1,14
	FP	1	2	3	4	5		6	7	8	9	10	

* - CONNECTED TO CASE

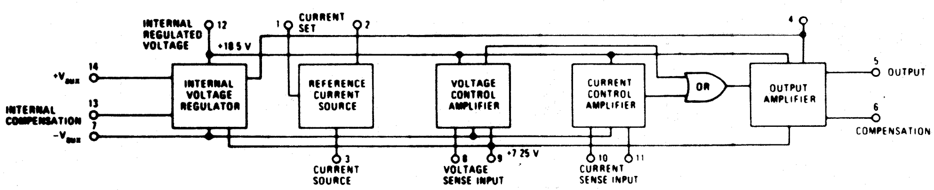


F042

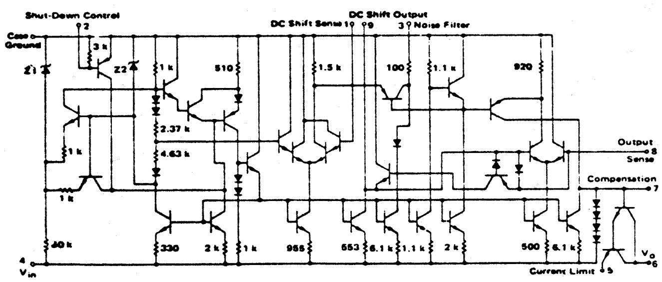


*"G" package – pin 10 is ground, "R" package – case is ground.

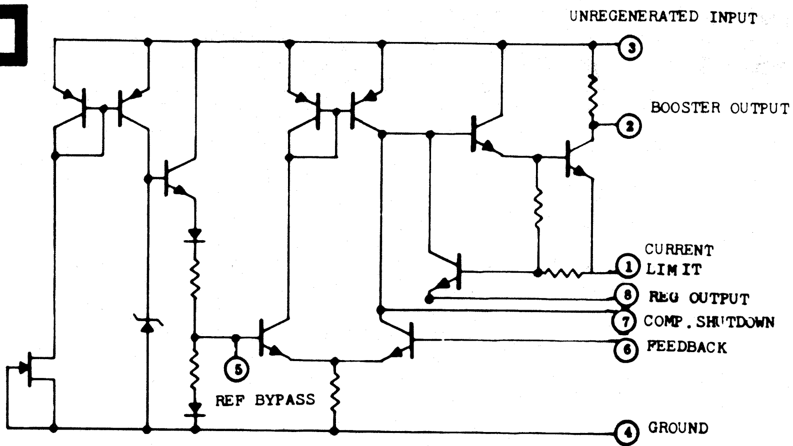
F043



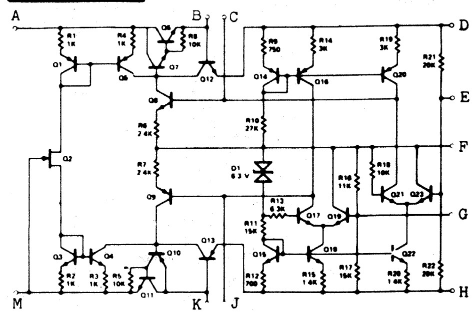
F064



F070

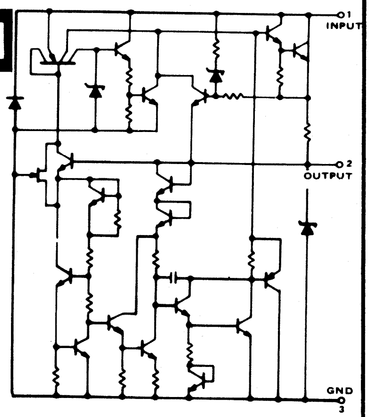


F076

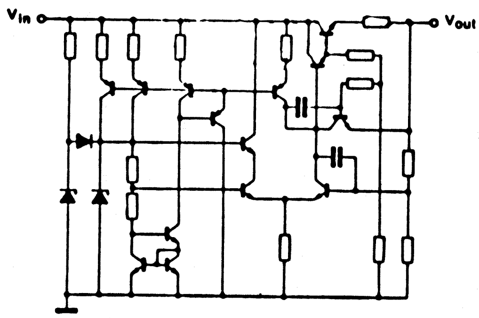


	PKG	A	B	C	D	E	F	G	H	J	K	M
F076	CN	4	3	1	2	NA	10	9	7	8	6	5
	MP	7	5	3	2	2	1	14	11	12	10	8

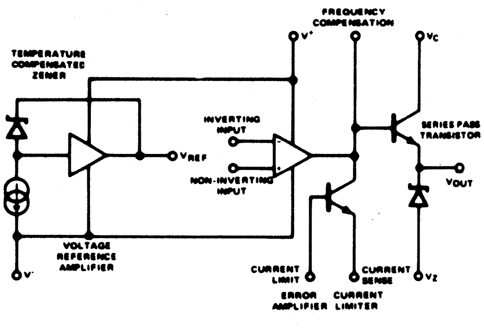
F077



F078

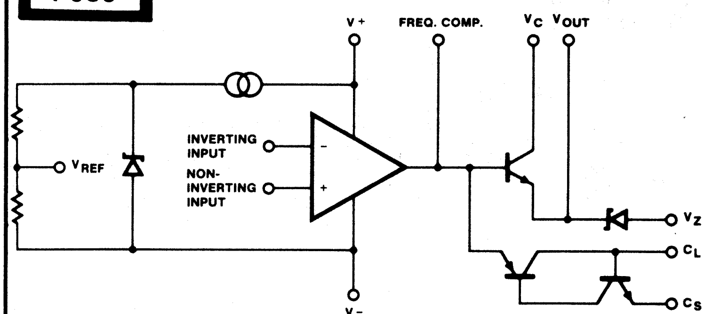


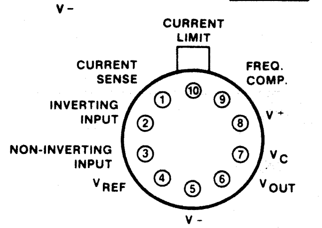
F079



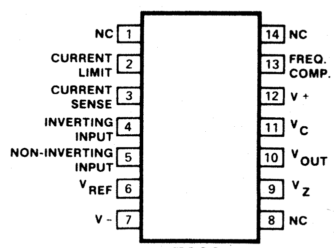
	PKG	CUR LIMIT	CUR SENSE	INV INP	NON-INV INPUT	FREQ COMP	VOUT	VZ	VCC	V-	V+	VREF
F079a	FP,MP	2	3	4	5	13	10	9	11	7	12	6
F079b	FP,CN	10	1	2	3	9	6	NA	7	5	8	4

F080



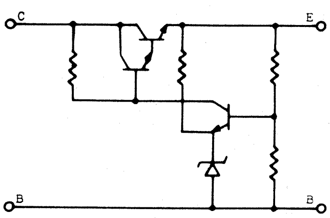


F080

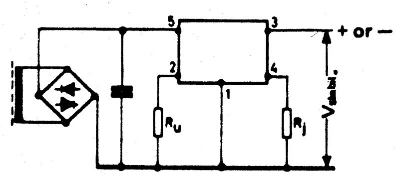


F080a

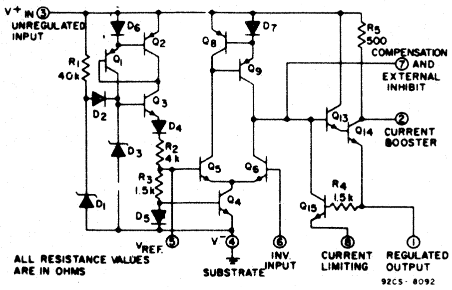
F082



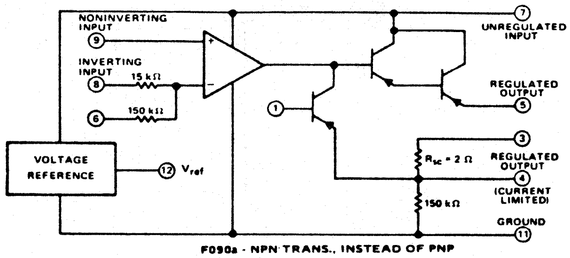
F086



F088

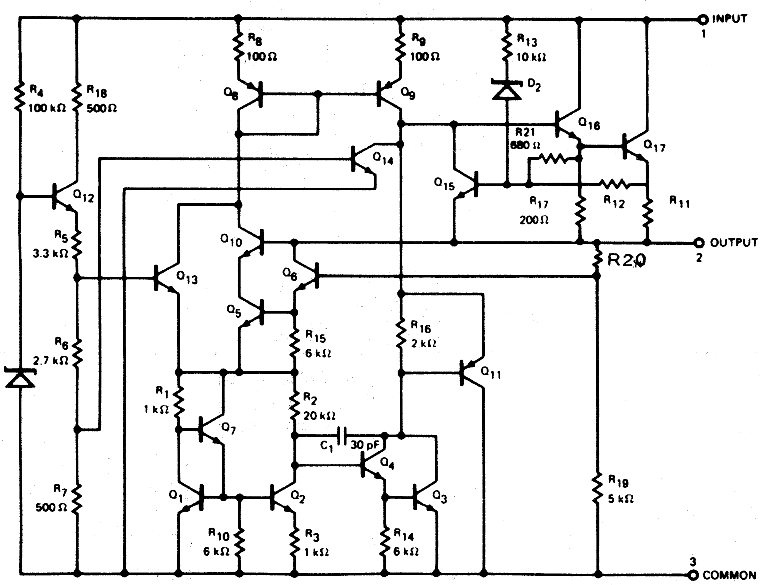


F090



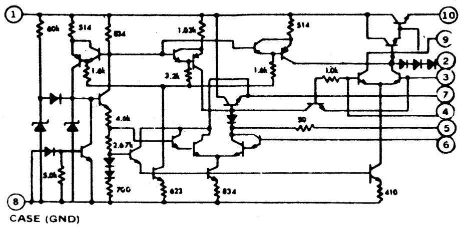
F090a - NPN TRANS., INSTEAD OF PNP

F091

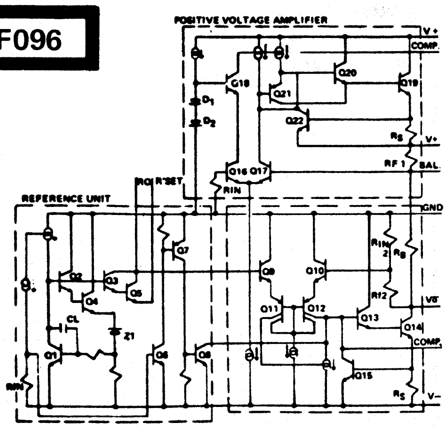


F091a: INCLUDES R21, EXCLUDES R20
F091b: INCLUDES R21, R20

F094

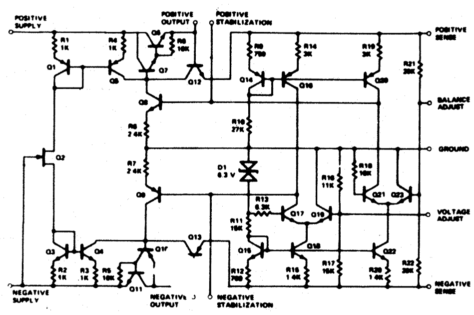


F096



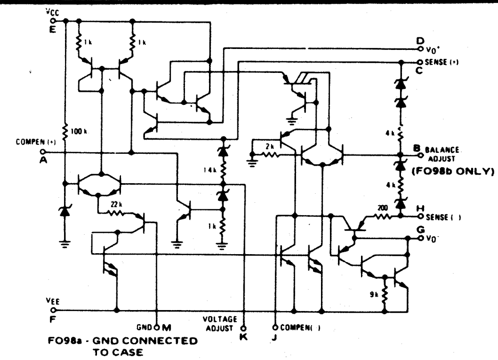
	PKG	VO		COMP		BAL	V		GND	RSET	RO
		+	−	+	−		+	−			
F096		1	6	2	4	3	10	5	9	8	7
F096a	MP	1	8	3	5	4	14	7	12	11	10
	CN	6	1	7	9	8	5	CASE	4	3	2

F097



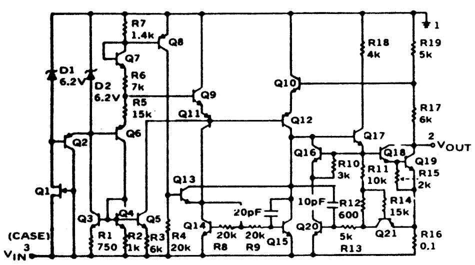
	PKG	POS STAB	POS SENSE	POS OUT	V+	NEG V-	NEG STAB	NEG SENSE	NEG OUT	VOLT ADJ	BAL ADJ
F097	CN	1	2	3	4	5	8	7	6	9	NA
	MP or TO116	3	4	5	7	8	12	11	10	14	2

F098

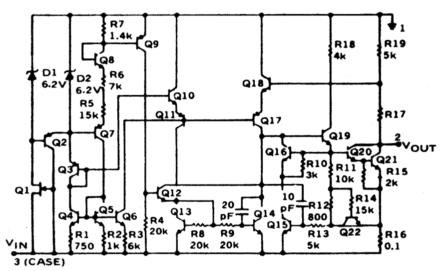


	A	B	C	D	E	F	G	H	J	K	M
F098	1		2	3	4	5	6	7	8	9	10
F098a	1		2	3	4	5	6	7	8	9	
F098b	3	2	4	5	7	8	10	11	12	14	1

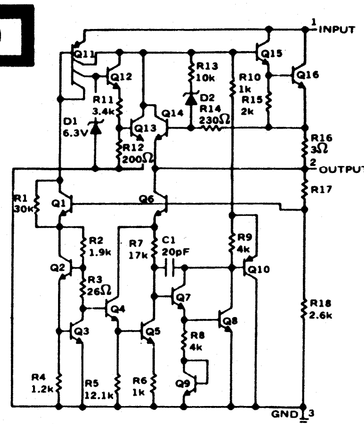
F108



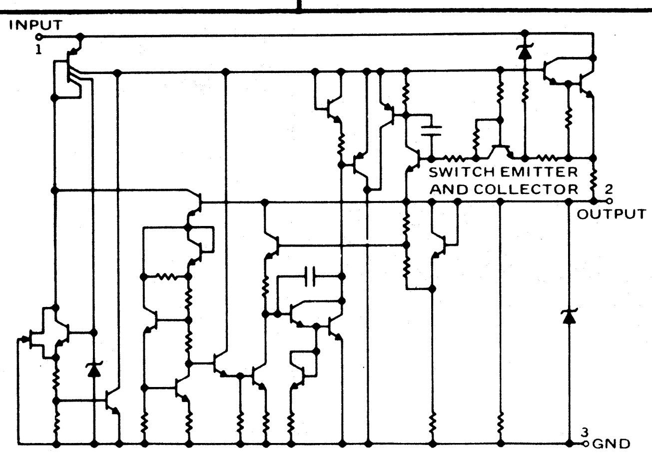
F109



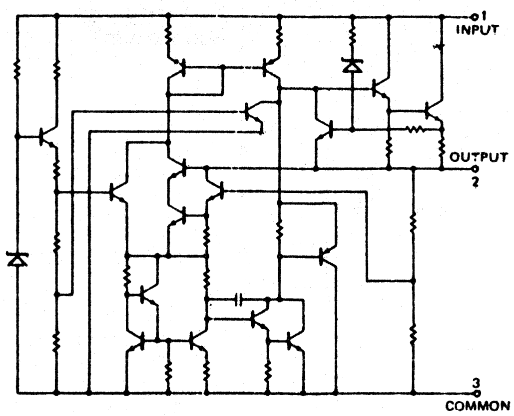
F110



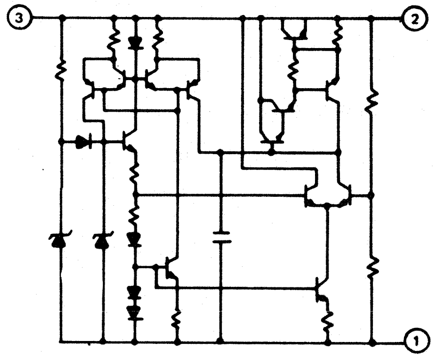
F111



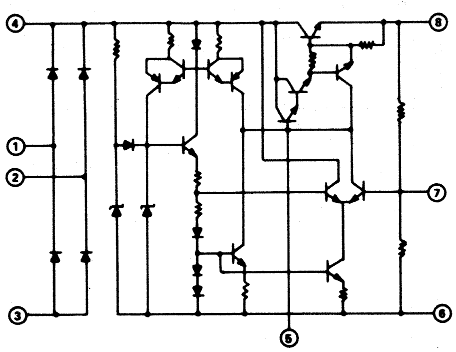
F112



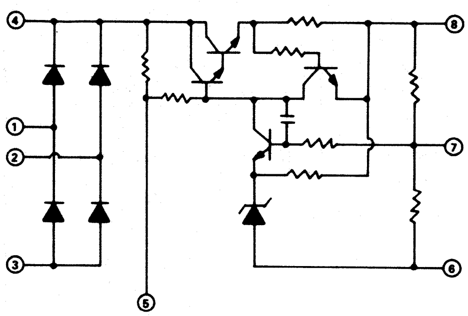
F113



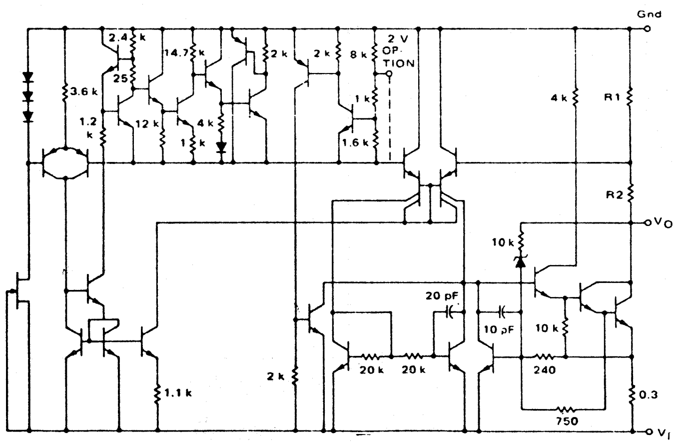
F114

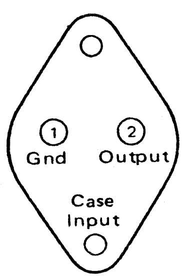


F115



F116

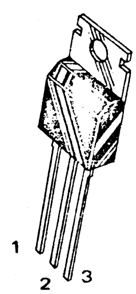




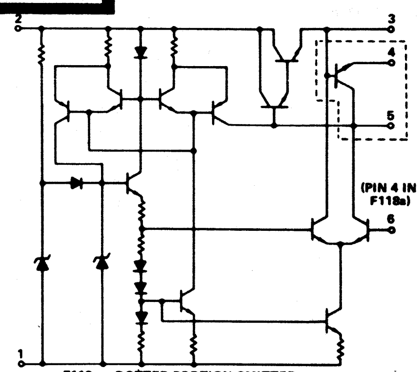
(bottom view)
F116

Pin 1. Ground
2. Input
3. Output

F116a

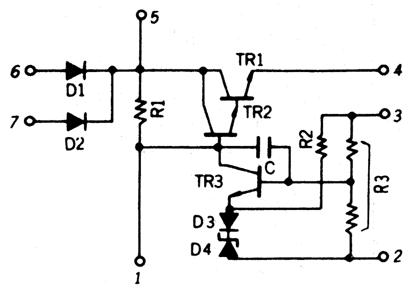


F118

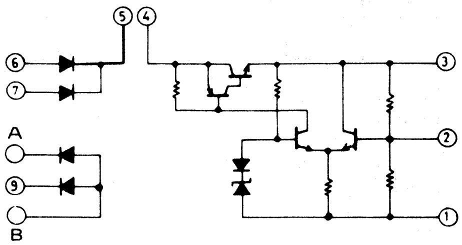


F118a – DOTTED PORTION OMITTED

F120

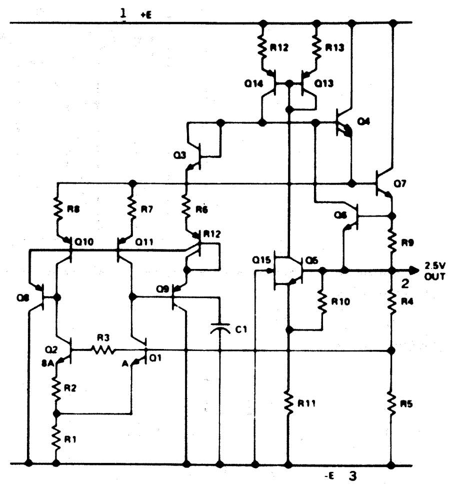


F121

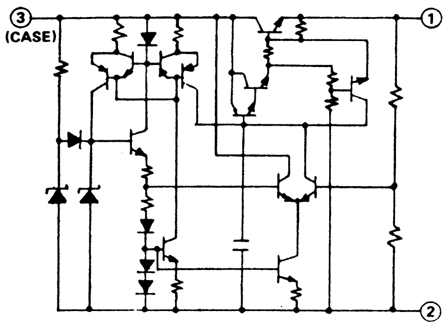


	A	B
F121	8	10
F121a	10	8

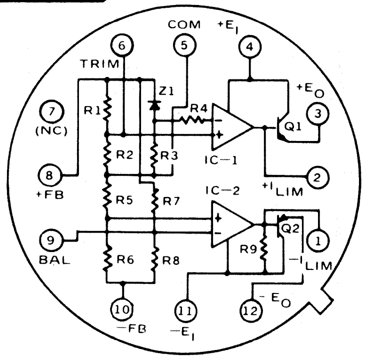
F122



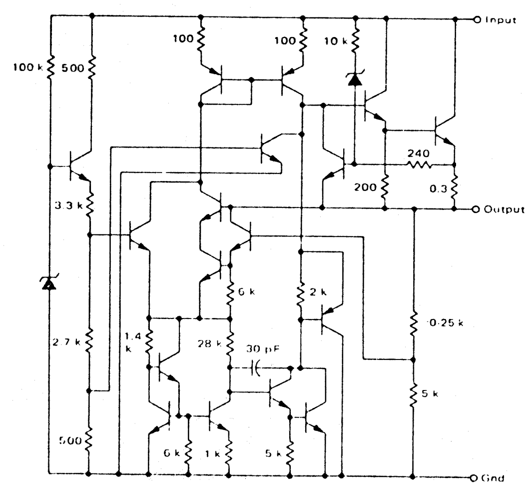
F123

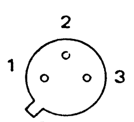


F124



F125





Bottom View

Pin 1. Input
2. Output
3. Ground

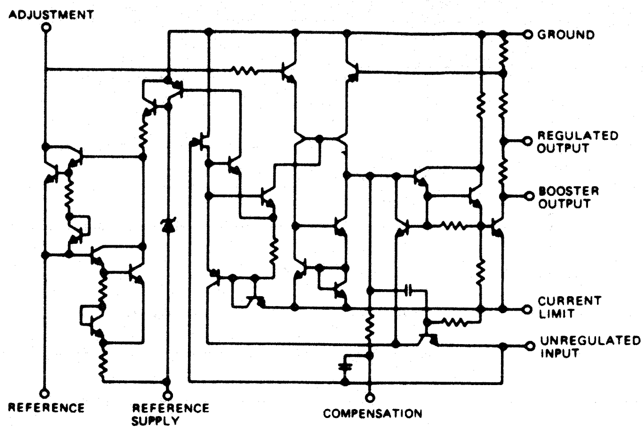
Case connected to Pin 3.

F125

Pin 1. Input
2. Ground
3. Output

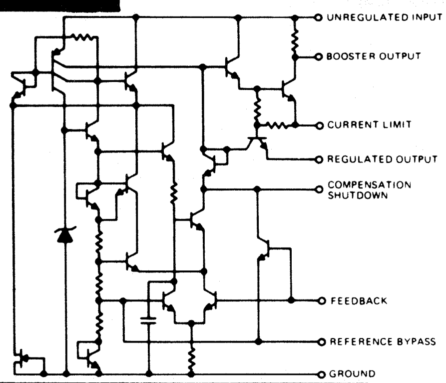
F125a

F128

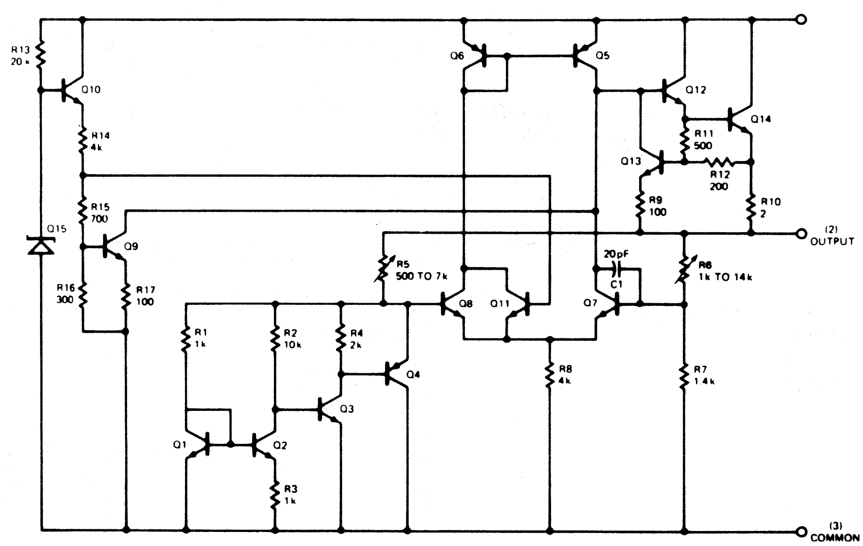


1. NC
2. OUTPUT VOLTAGE ADJUST
3. REF
4. REF SUPPLY
5. COMP
6. UNREG INPUT
7. NC
8. NC
9. NC
10. NC
11. NC
12. CURRENT LIMIT
13. BOOSTER OUTPUT
14. REG OUTPUT
15. GND
16. NC
17. NC
18. NC
19. NC
20. NC

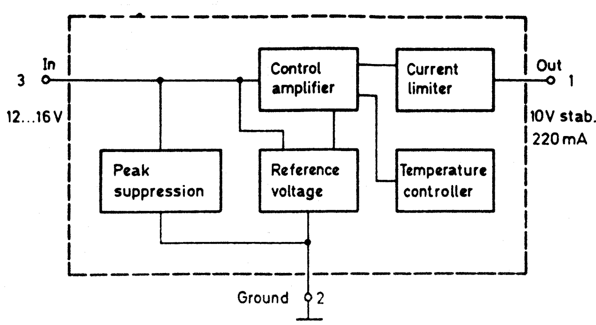
F129



F130



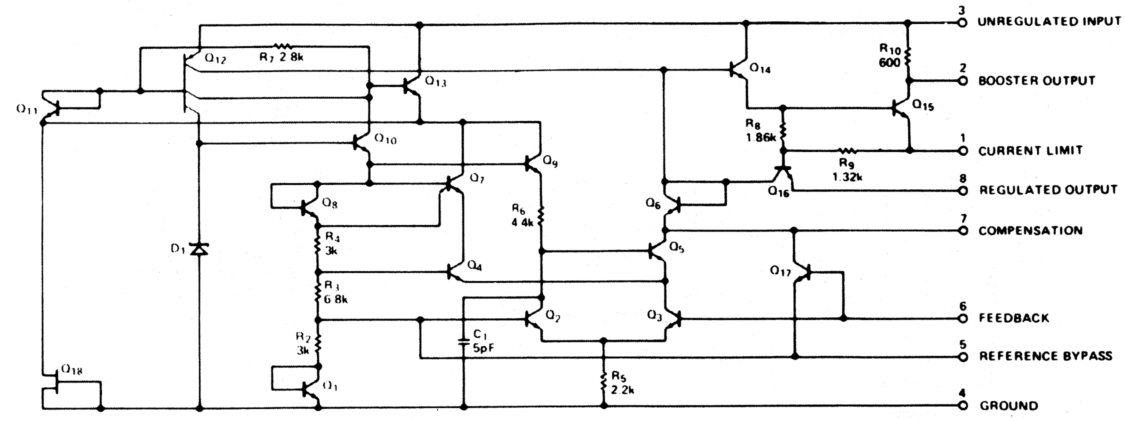
F131



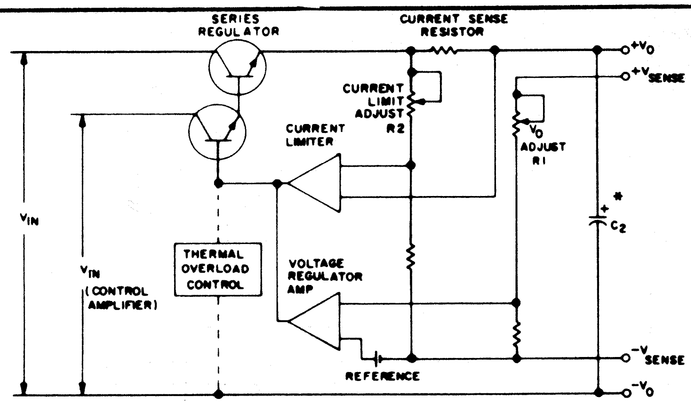
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

F134



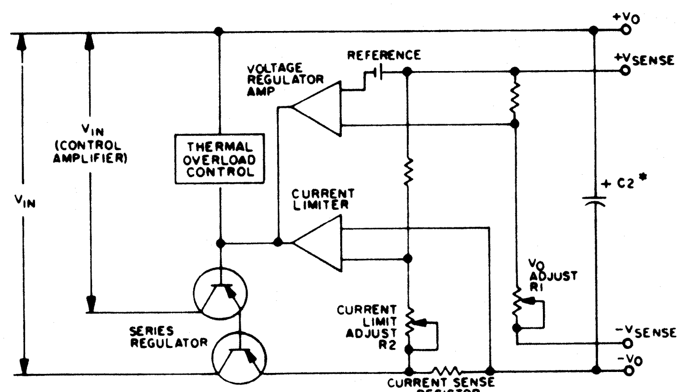
F137



* — C2 FOR F137a and F137b ONLY.

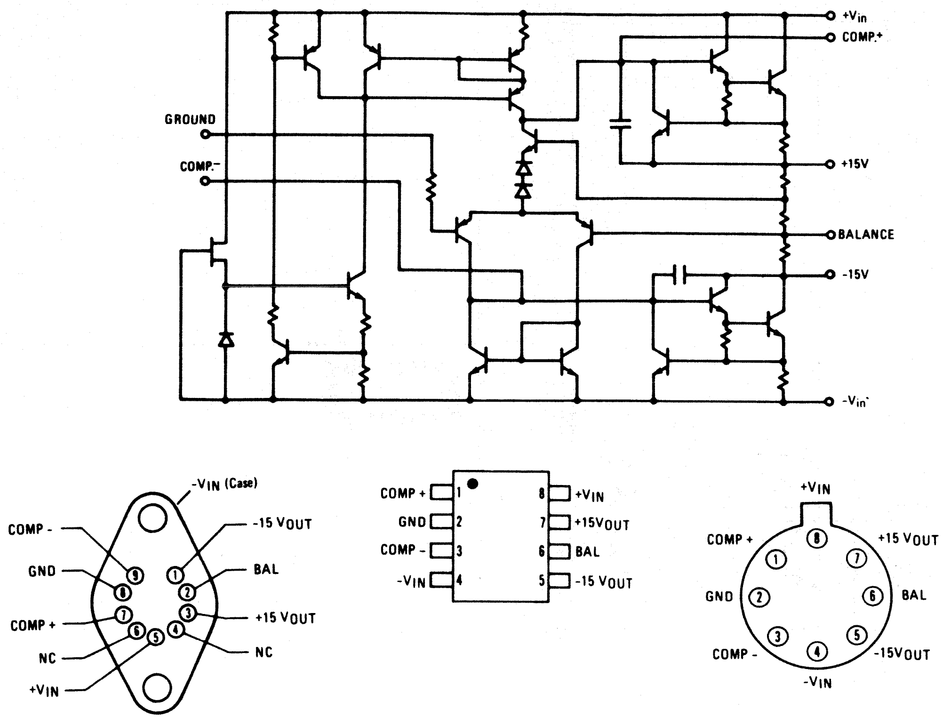
DOTTED SECTION OMITTED FOR F137b.

F138

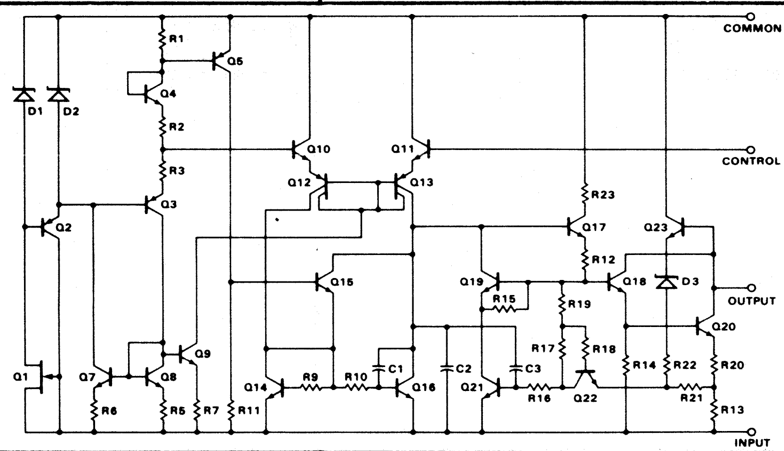


* — C2 FOR F138a ONLY

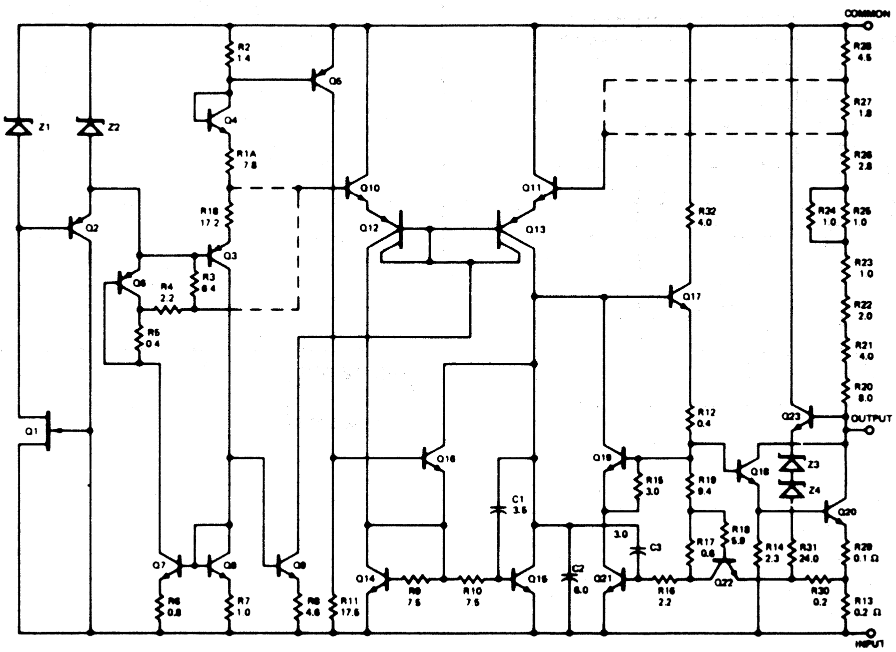
F139


+Vin
COMP.+
GROUND
COMP.-
+15V
BALANCE
-15V
-Vin
-VIN (Case)
COMP -
-15 VOUT
GND
BAL
COMP +
+15 VOUT
NC
NC
+VIN
COMP + 1
GND 2
COMP - 3
-VIN 4
8 +VIN
7 +15VOUT
6 BAL
5 -15 VOUT
+VIN
COMP +
+15 VOUT
GND
BAL
COMP -
-15VOUT
-VIN

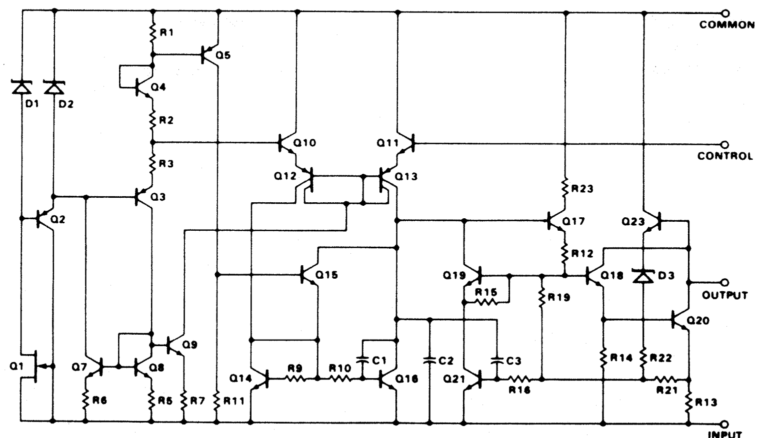
F140


COMMON
R1
Q5
Q4
D1
D2
R2
Q10
Q11
CONTROL
R3
Q12
Q13
R23
Q3
Q2
Q17
Q23
R12
Q15
Q19
Q18
D3
OUTPUT
R15
R19
Q20
R17
R18
Q9
C1
C2
C3
R14
R22
R20
Q1
Q7
Q8
Q14
R9
R10
Q16
Q21
R16
Q22
R21
R13
R6
R5
R7
R11
INPUT

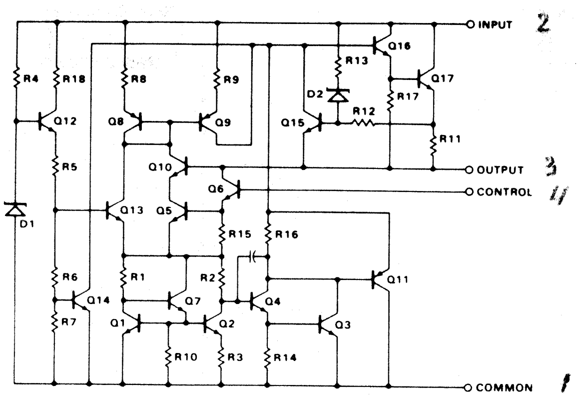
F141



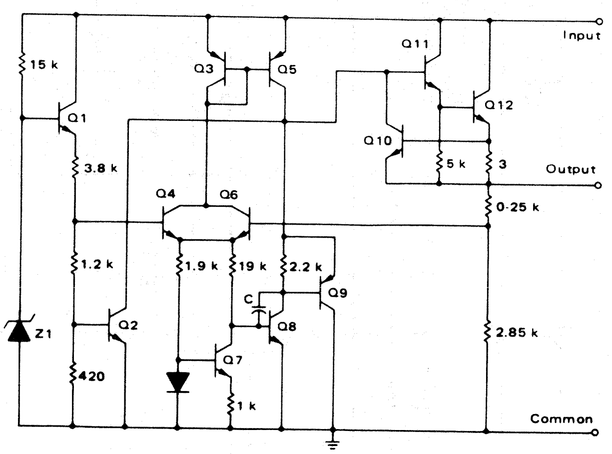
F142

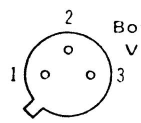


F143



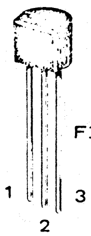
F144



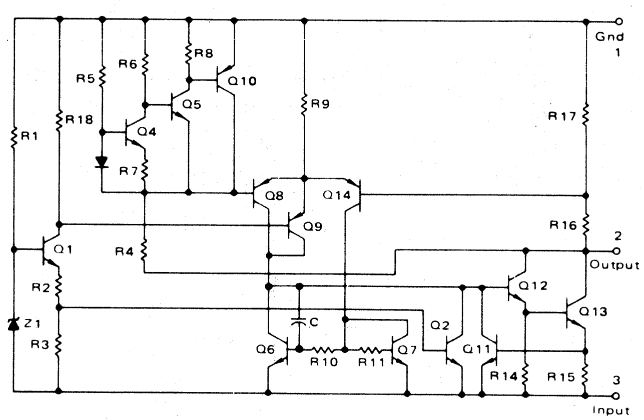


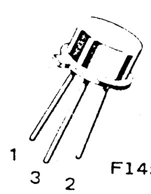
Pin 1. Input
2. Output
3. Ground

Pin 1. Output
2. Ground
3. Input

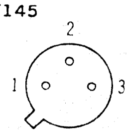


F145

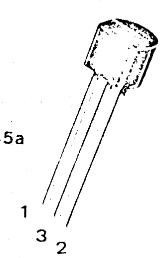




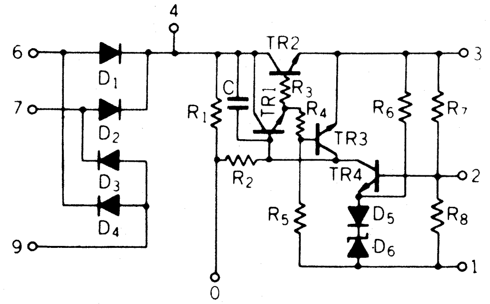
PIN 1. Ground
2. Output
3. Input



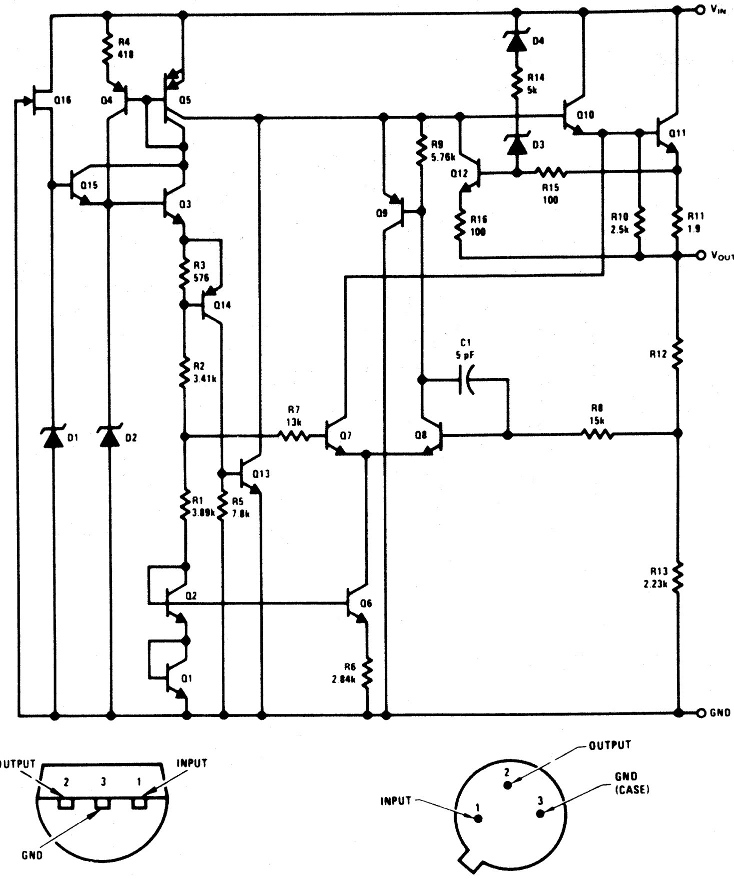
PIN 1. Ground
2. Output
3. Input



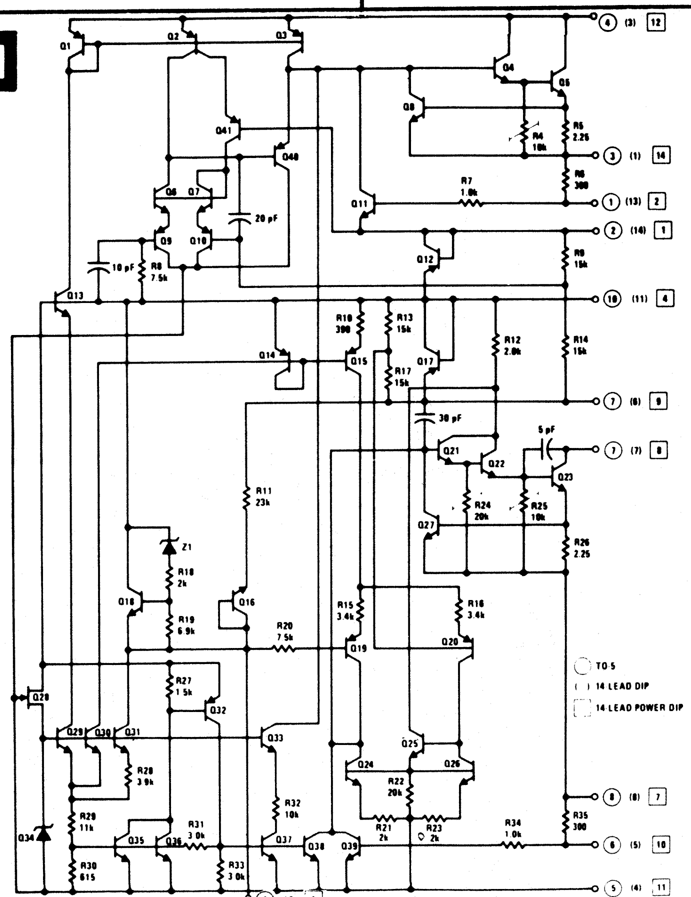
F147



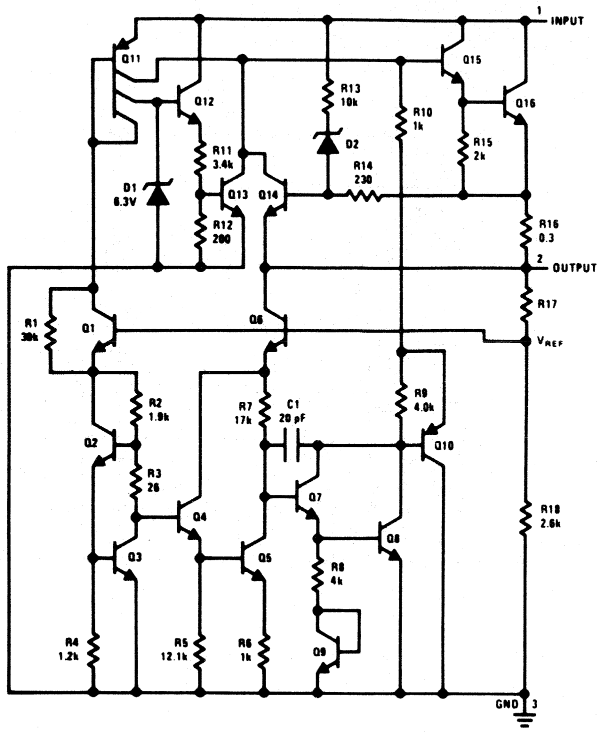
F148



F149

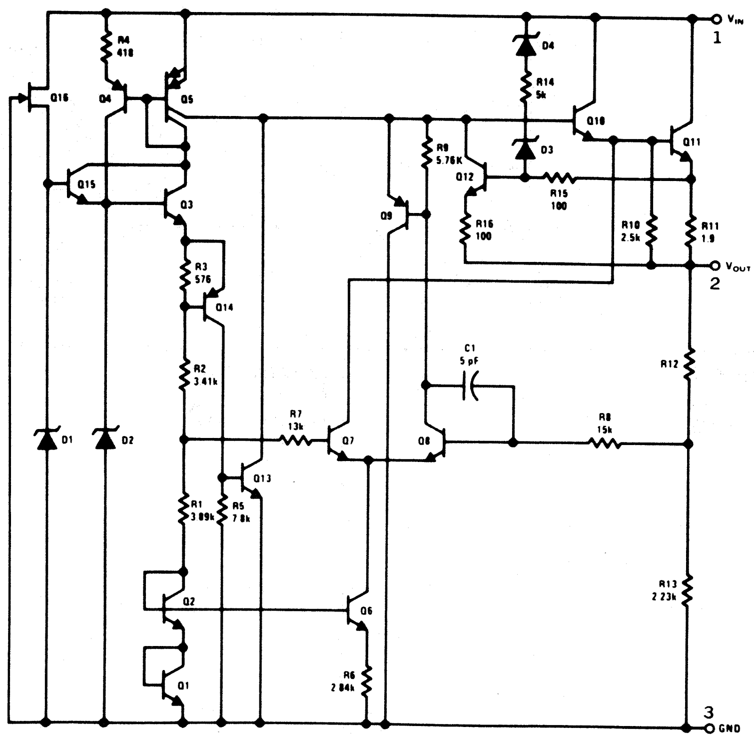


F150



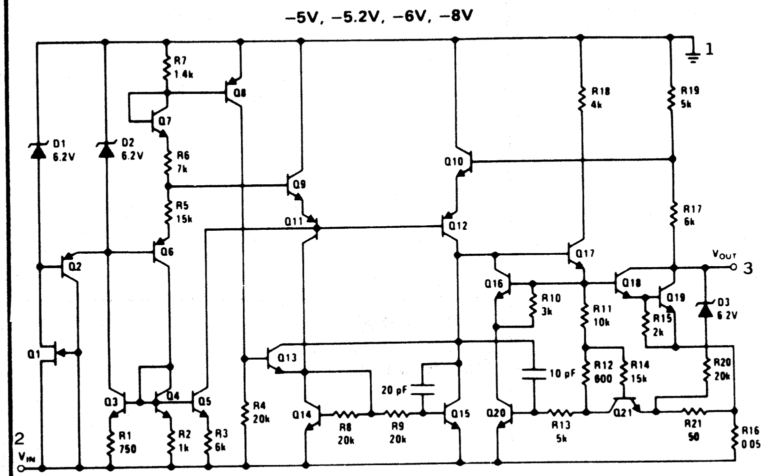
1 INPUT
Q11
Q12
Q15
Q16
R13 10k
R10 1k
R15 2k
D2
R11 3.4k
R14 230
D1 6.3V
Q13
Q14
R12 200
R16 0.3
2 OUTPUT
R17
R1 30k
Q1
Q6
VREF
R2 1.9k
R7 17k
C1 20 pF
R9 4.0k
Q2
Q10
R3 26
Q7
Q4
R18 2.6k
Q8
Q3
Q5
R8 4k
R4 1.2k
R5 12.1k
R6 1k
Q9
GND 3

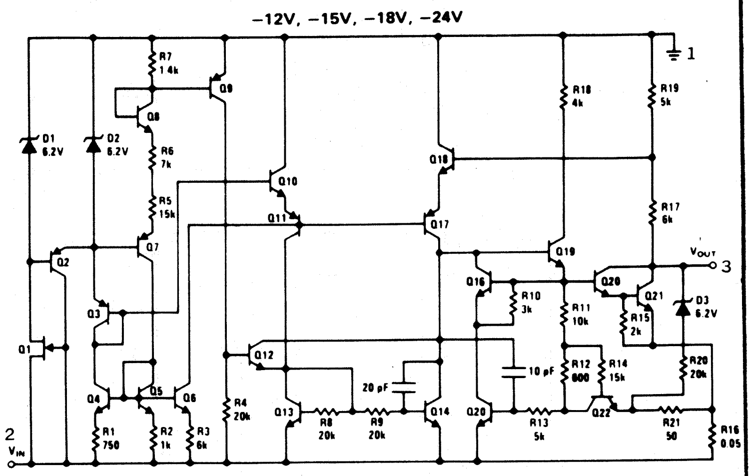
F151



VIN
1
R4 418
D4
R14 5k
Q16
Q4
Q5
Q10
Q11
D3
R9 5.76K
Q12
R15 100
Q15
Q3
Q9
R16 100
R10 2.5k
R11 1.9
VOUT
2
R3 576
Q14
C1 5 pF
R12
R2 3.41k
R7 13k
R8 15k
D1
D2
Q7
Q8
Q13
R1 3.89k
R5 7.8k
R13 2.23k
Q2
Q6
R6 2.84k
Q1
3
GND

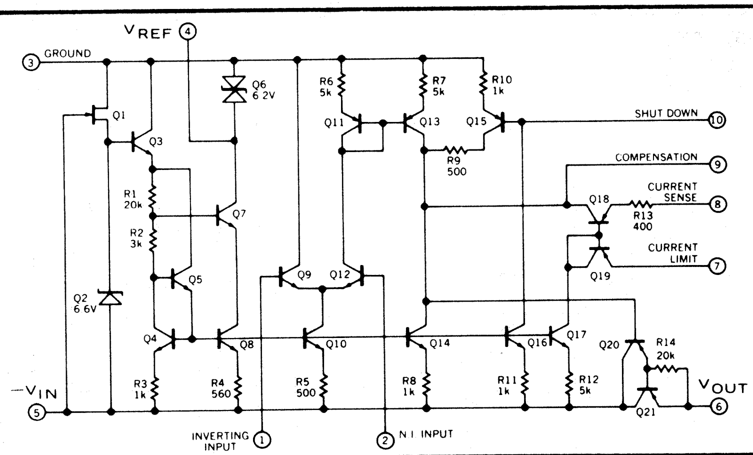
F152



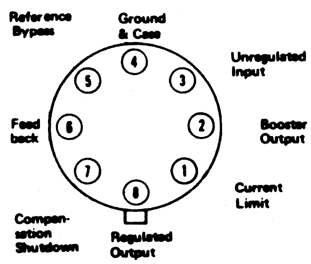


F152 F152a

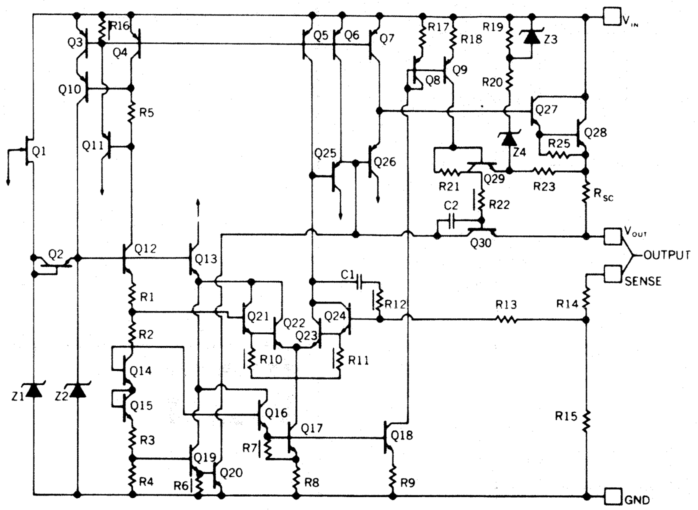
F154

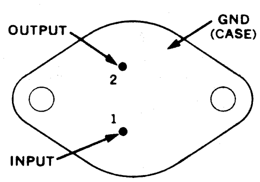


F155

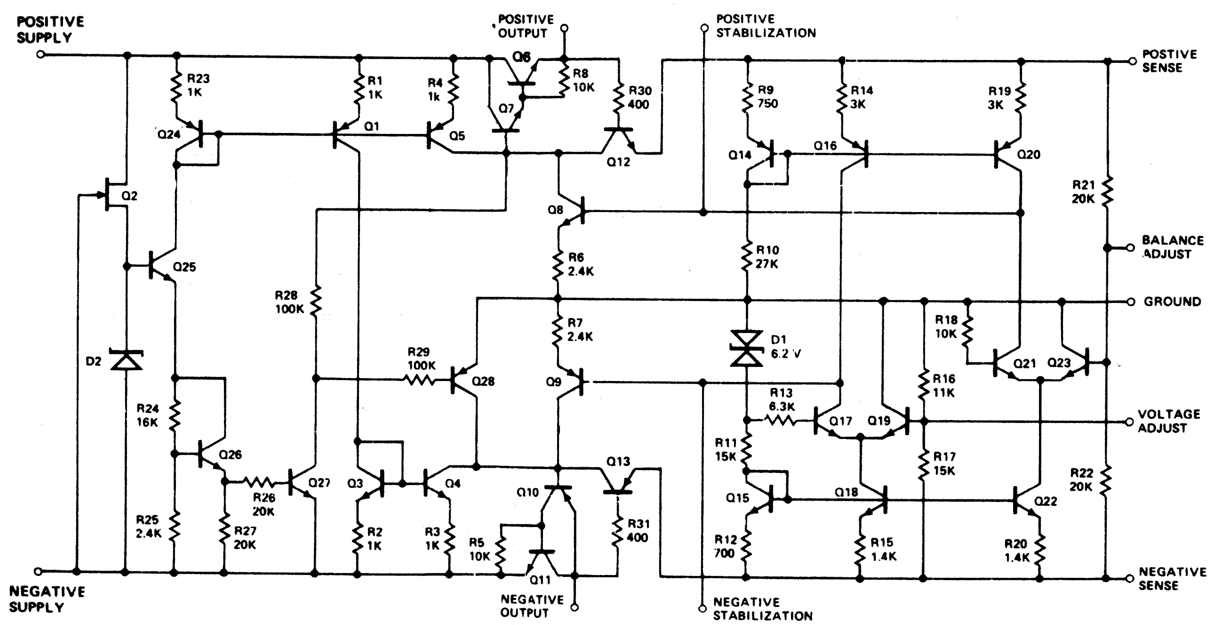


F156



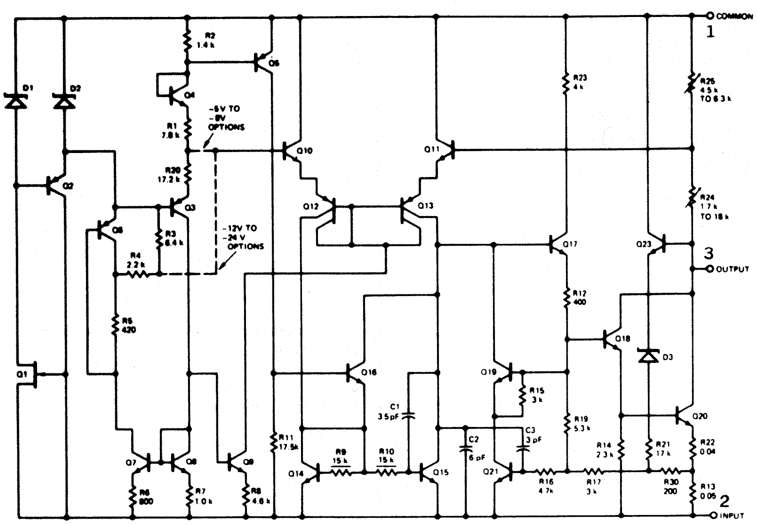


F157

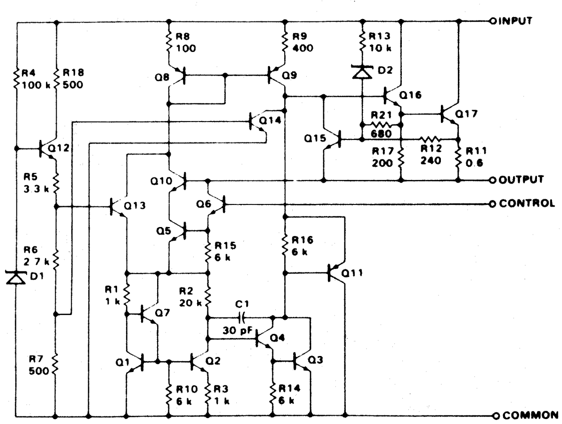


	PKG	POS STAB	SENSE	OUT	V+	NEG V-	STAB	SENSE	OUT	VOLT ADJ	BAL ADJ
F157	MP	3	4	5	7	8	12	11	10	14	2
	TO100	1	2	3	4	5	8	7	6	9	NA

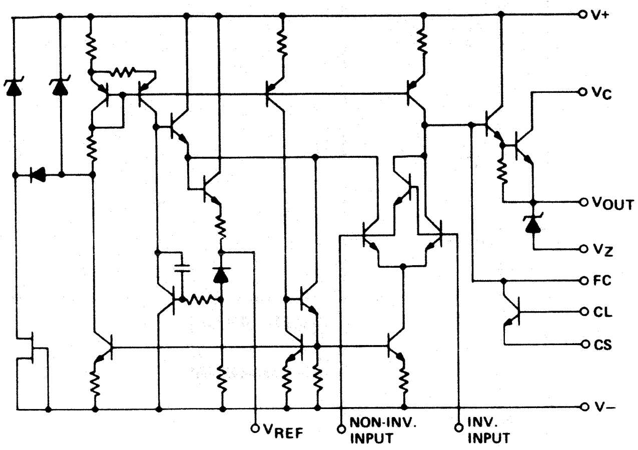
F158


COMMON
1
OUTPUT
3
INPUT
2
-6V TO -8V OPTIONS
-12V TO -24V OPTIONS

F159

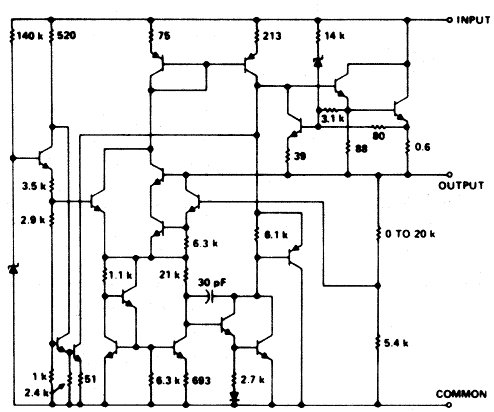

INPUT
OUTPUT
CONTROL
COMMON
R8 100
R9 400
R13 10 k
D2
R4 100 k
R18 500
Q8
Q9
Q16
R21 680
Q17
Q14
Q15
R17 200
R12 240
R11 0.6
Q12
R5 3.3 k
Q10
Q6
Q13
Q5
R15 6 k
R16 6 k
R6 2.7 k
D1
Q11
R1 1 k
R2 20 k
C1 30 pF
Q7
Q4
Q1
Q2
Q3
R7 500
R10 6 k
R3 1 k
R14 6 k

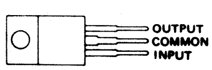
F160



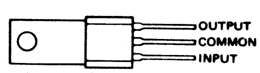
	PKG	CURRENT SENSE	INV. IN	NON INV. IN	V REF	V−	V Z	V OUT	V C	V+	FREQ. COMP	CURRENT LIMIT	N.C.
F160	MP	3	4	5	6	7	9	10	11	12	13	2	1,8,14
F160a	CN	1	2	3	4	5	NA	6	7	8	9	10	NA

F161

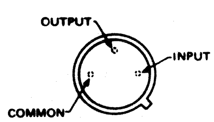




F161

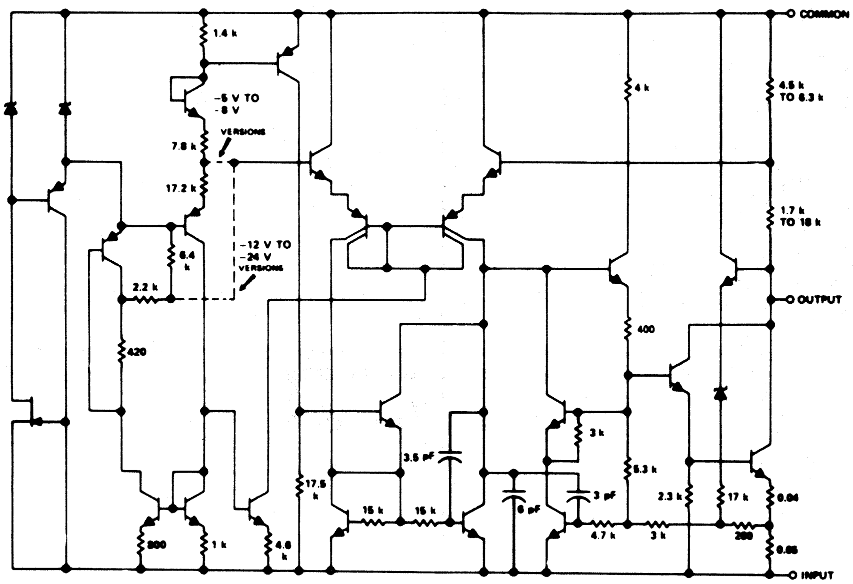


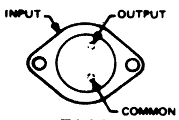
F161a



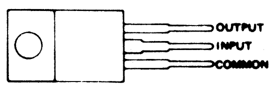
F161b

F162



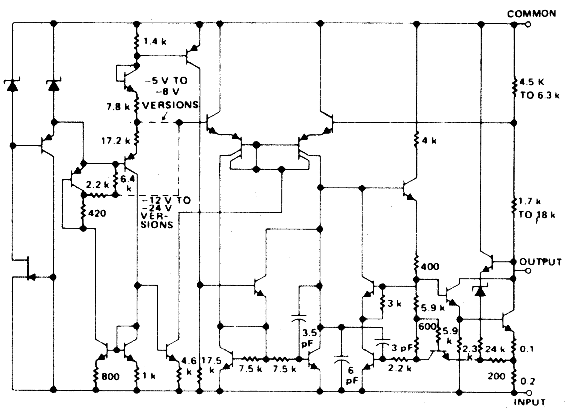


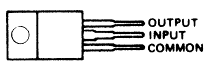
F162
TOP VIEW



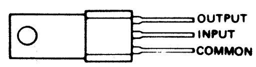
F162a
TOP VIEW

F163

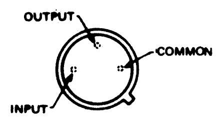




F163

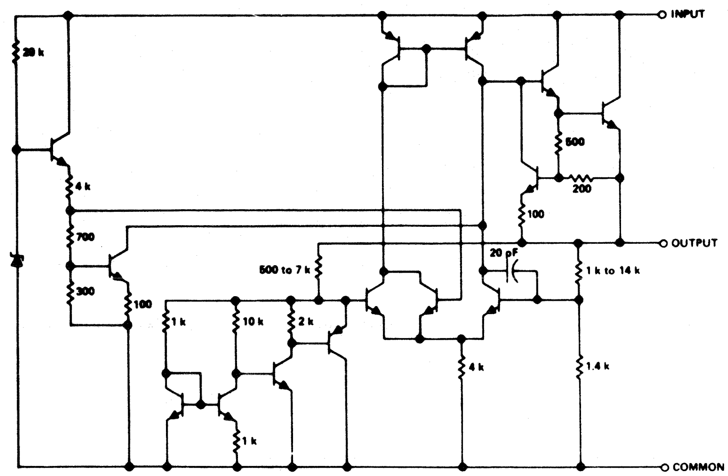


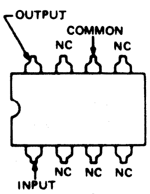
F163a



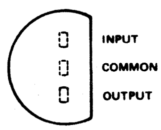
F163b

F164



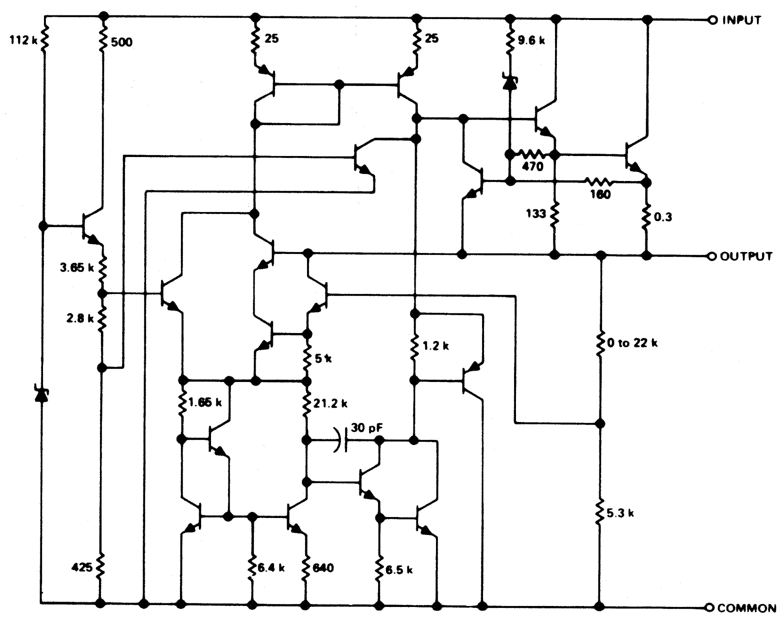


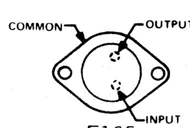
F164



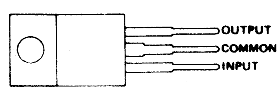
F164a

F165



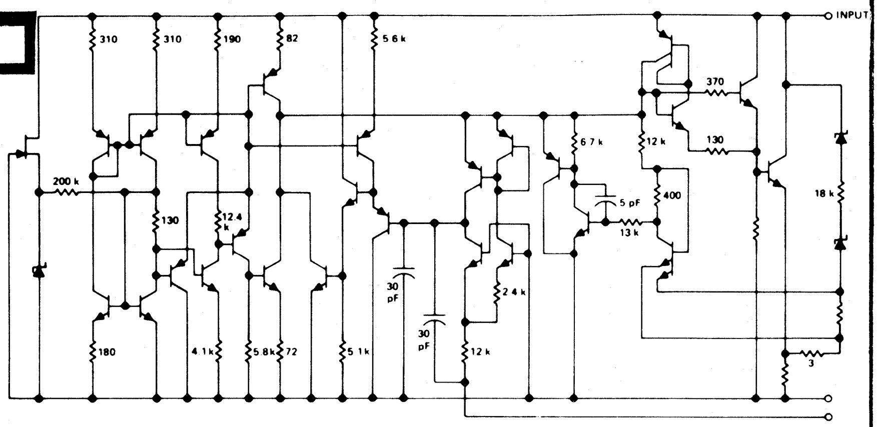


F165

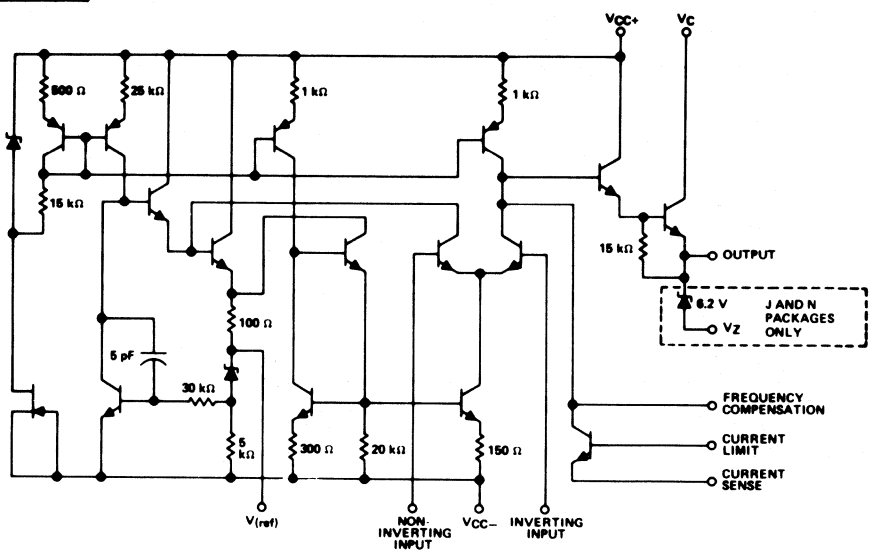


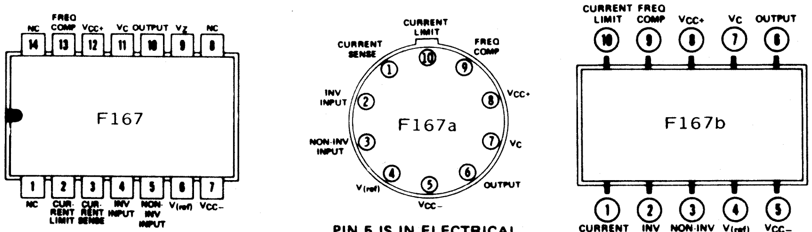
F165a

F166



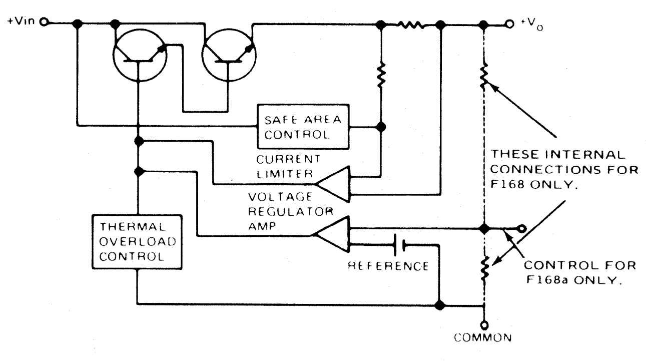
F167



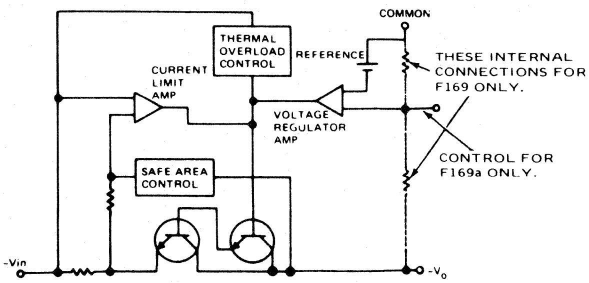


PIN 5 IS IN ELECTRICAL CONTACT WITH THE CASE

F168

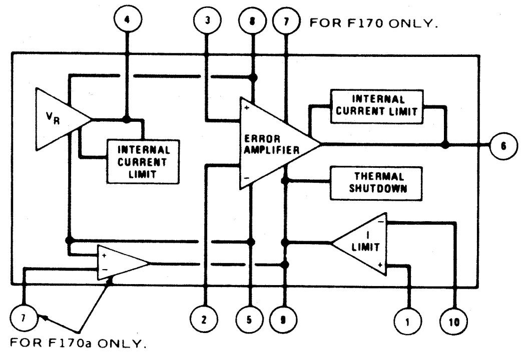


F169

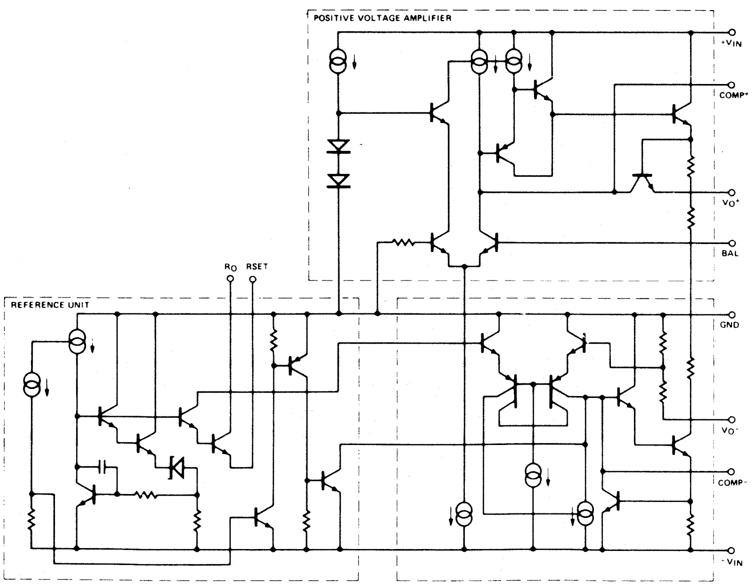


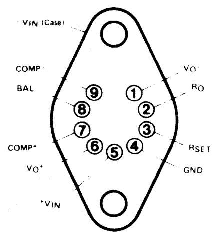
B. LAS-1800 Series Negative Voltage Regulator

F170



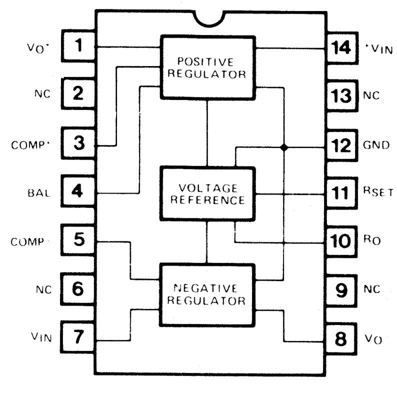
F171





BOTTOM VIEW

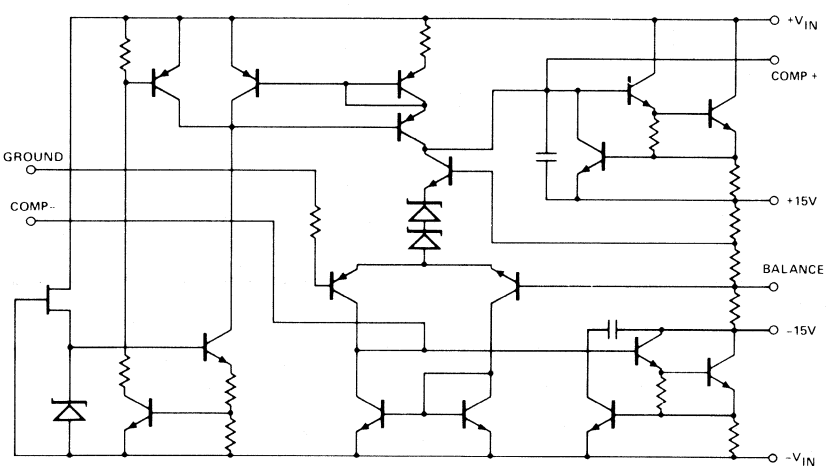
F171

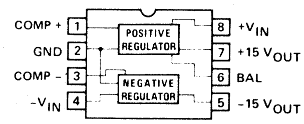


TOP VIEW

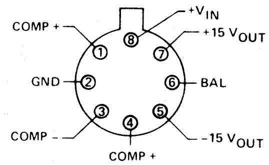
F171a

F172

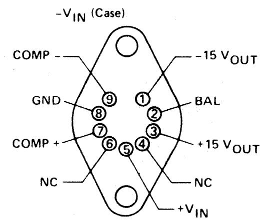




F172
(Top View)

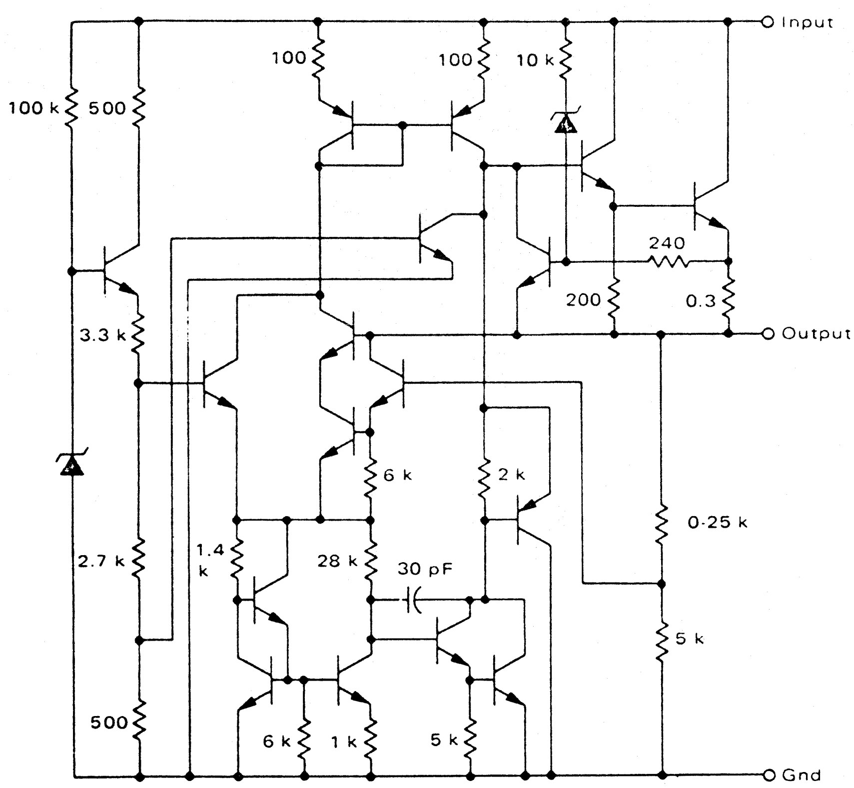


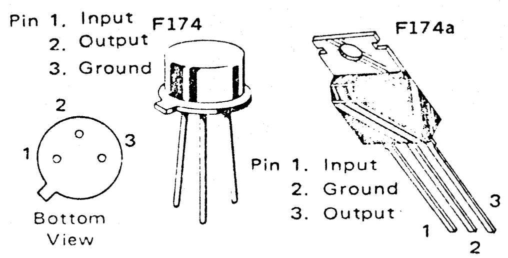
F172a
(Top View)

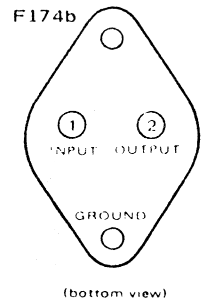


F172b
(Bottom View)

F174

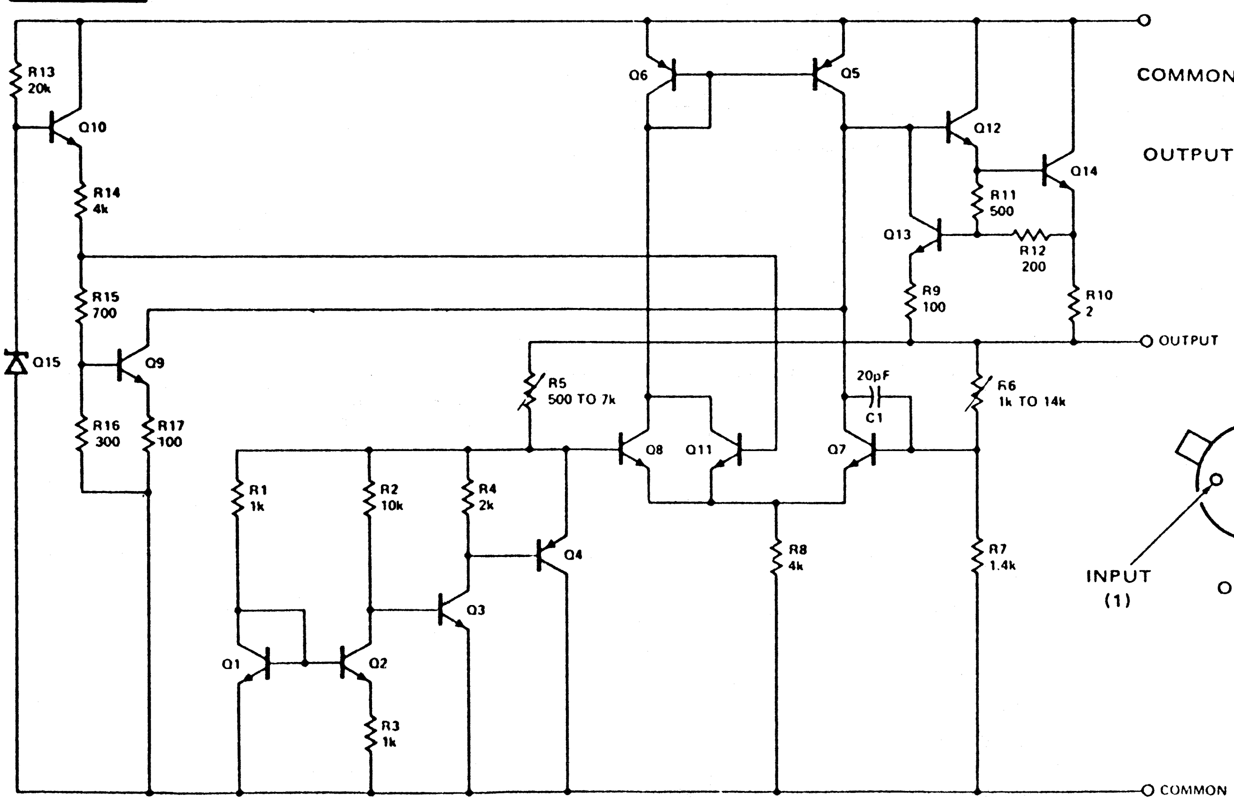


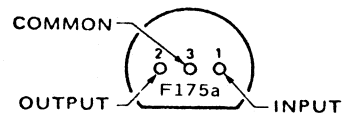


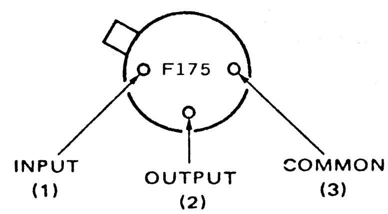


Pins 1 and 2 electrically isolated from case.
Case is third electrical connection.

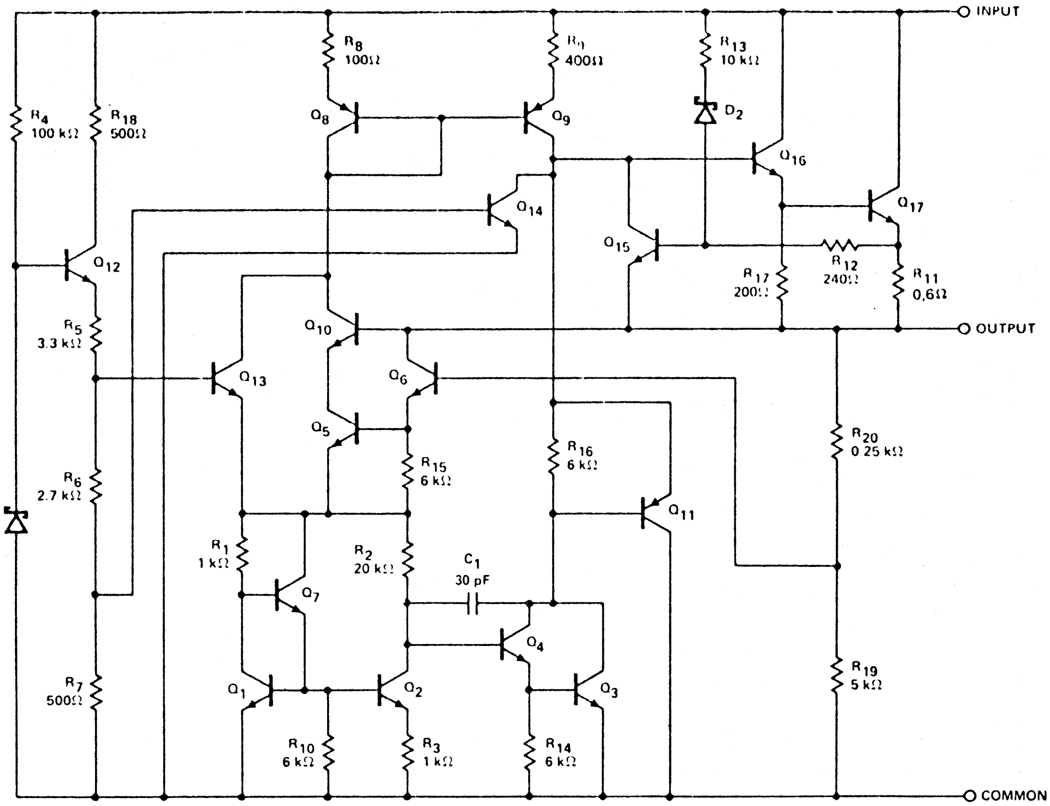
F175

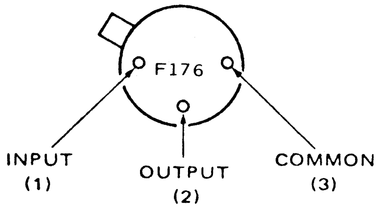


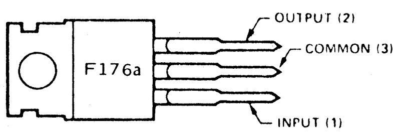


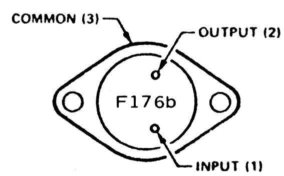


F176

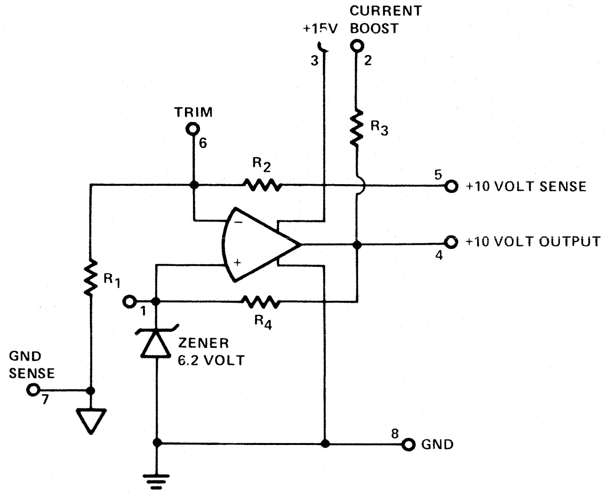

INPUT
OUTPUT
COMMON
R4 100 kΩ
R18 500Ω
R8 100Ω
R9 400Ω
R13 10 kΩ
D2
Q8
Q9
Q16
Q14
Q17
Q15
Q12
R17 200Ω
R12 240Ω
R11 0,6Ω
R5 3.3 kΩ
Q10
Q13
Q6
Q5
R15 6 kΩ
R16 6 kΩ
R20 0 25 kΩ
R6 2.7 kΩ
D1
Q11
R1 1 kΩ
R2 20 kΩ
C1 30 pF
Q7
Q4
R7 500Ω
Q1
Q2
Q3
R19 5 kΩ
R10 6 kΩ
R3 1 kΩ
R14 6 kΩ


F176
INPUT (1)
OUTPUT (2)
COMMON (3)

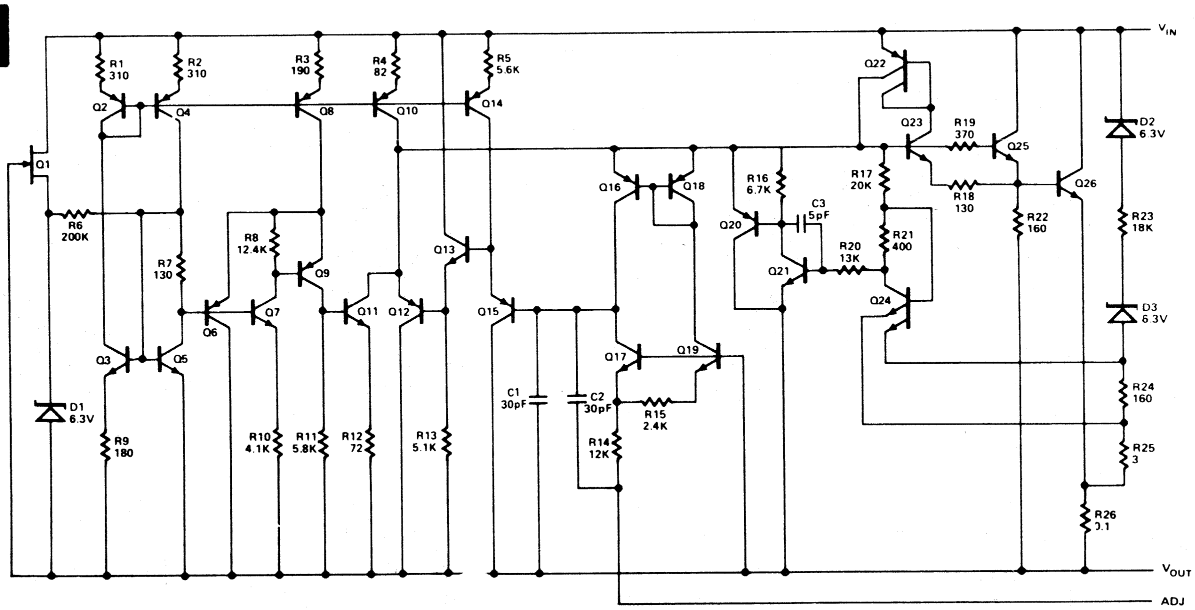

F176a
OUTPUT (2)
COMMON (3)
INPUT (1)

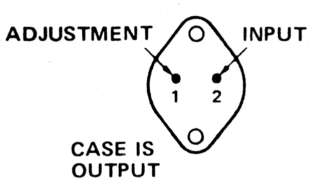

COMMON (3)
OUTPUT (2)
F176b
INPUT (1)

F177

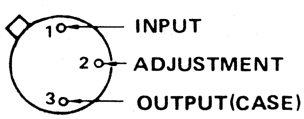


F178



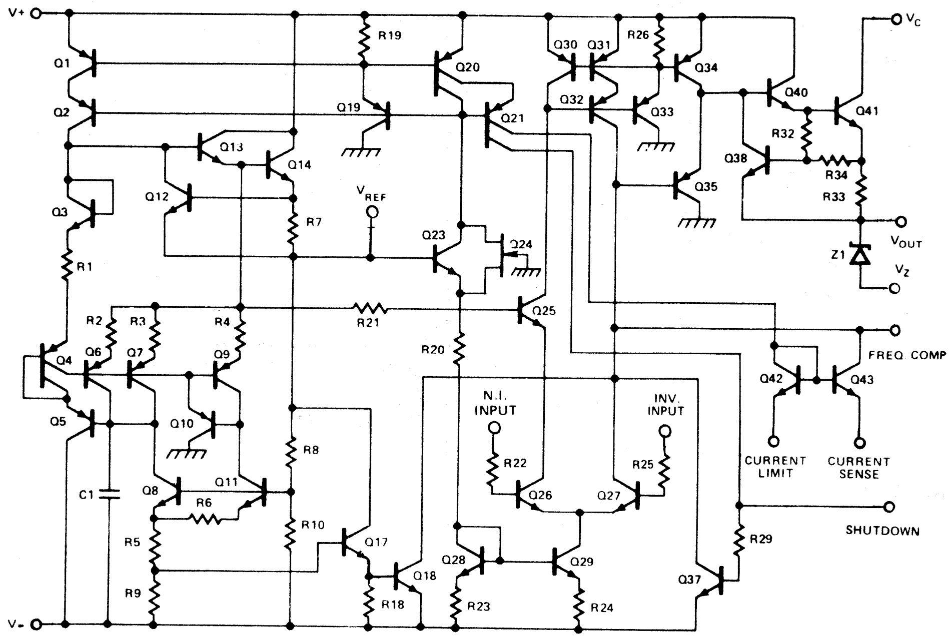


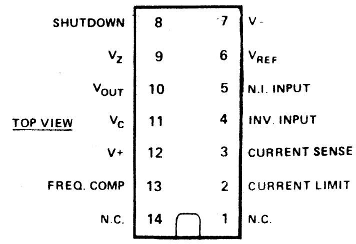
F178a



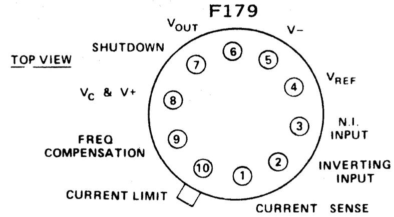
F178b

F179



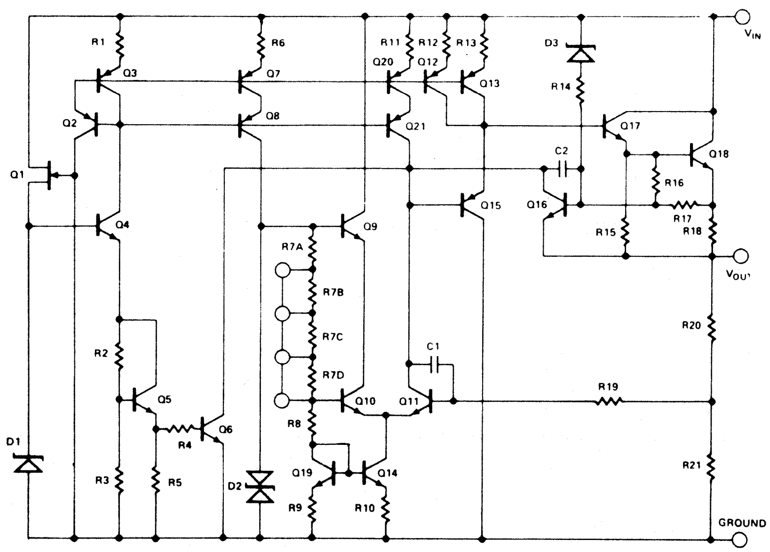


F179



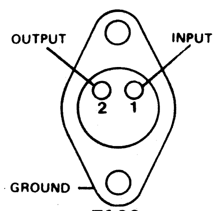
F179a

F180

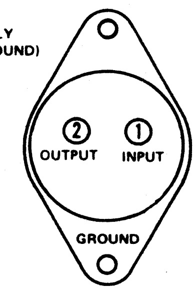


TOP VIEWS

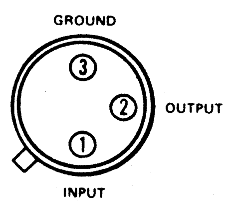
(CASE IS INTERNALLY CONNECTED TO GROUND)



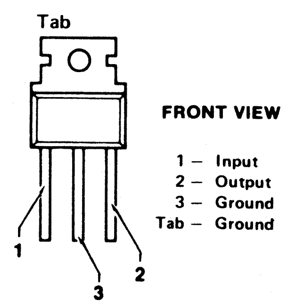
F180



F180b

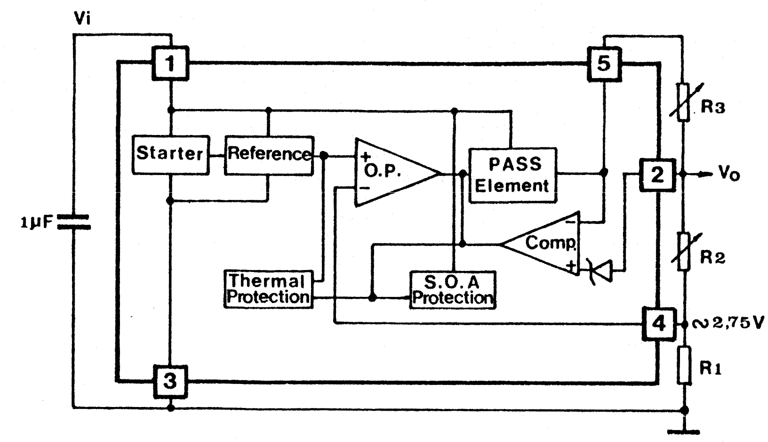


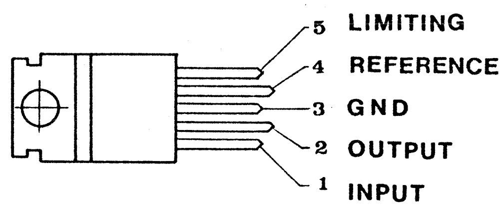
F180a



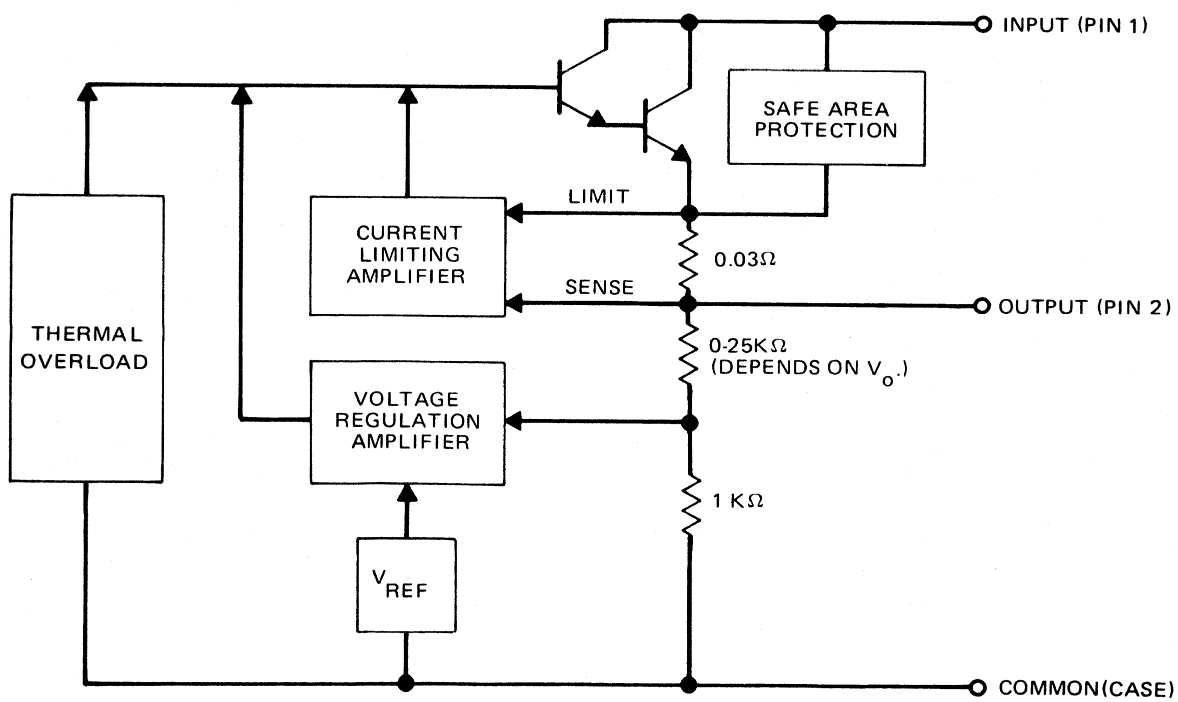
F180c

F181

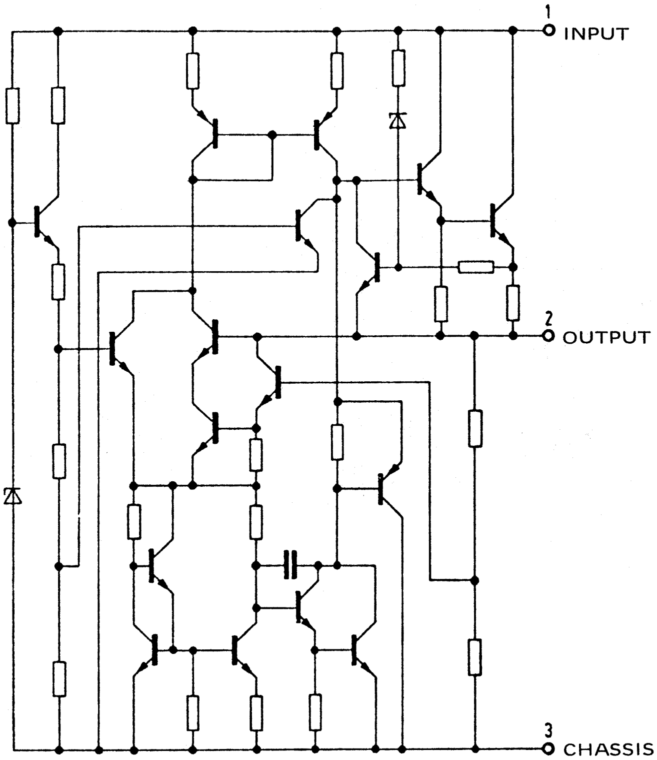

Vi
1
5
R3
Starter
Reference
O.P.
PASS
Element
2
Vo
1µF
Comp
R2
Thermal
Protection
S.O.A
Protection
4
≈2,75V
R1
3


5 LIMITING
4 REFERENCE
3 GND
2 OUTPUT
1 INPUT

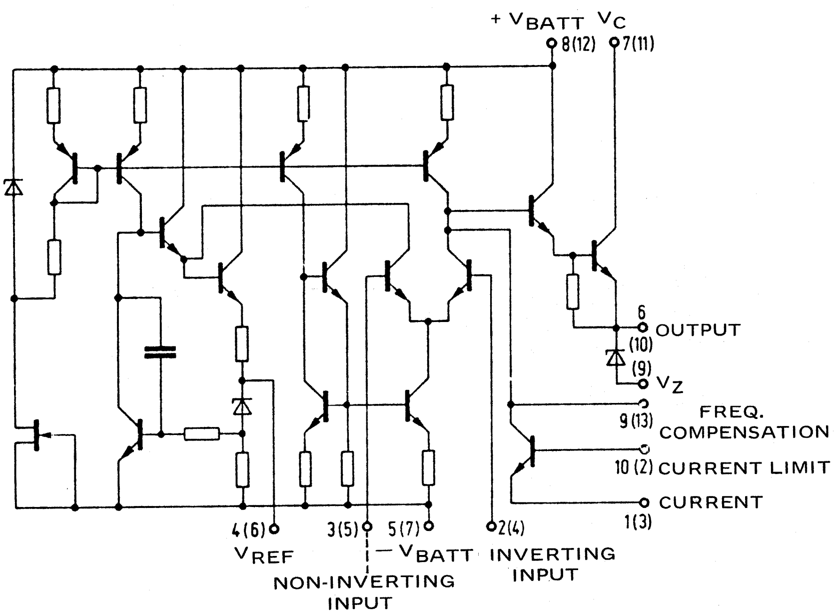
F182

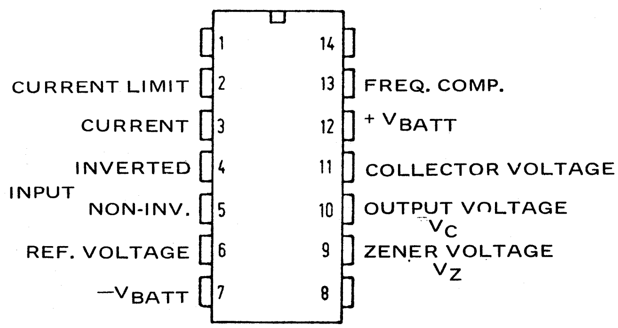

INPUT (PIN 1)
SAFE AREA
PROTECTION
LIMIT
CURRENT
LIMITING
AMPLIFIER
0.03Ω
SENSE
OUTPUT (PIN 2)
THERMAL
OVERLOAD
0-25KΩ
(DEPENDS ON Vo.)
VOLTAGE
REGULATION
AMPLIFIER
1 KΩ
VREF
COMMON(CASE)

F183

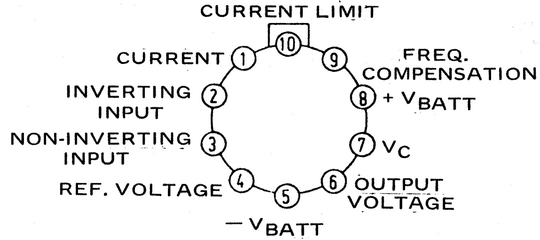


F184



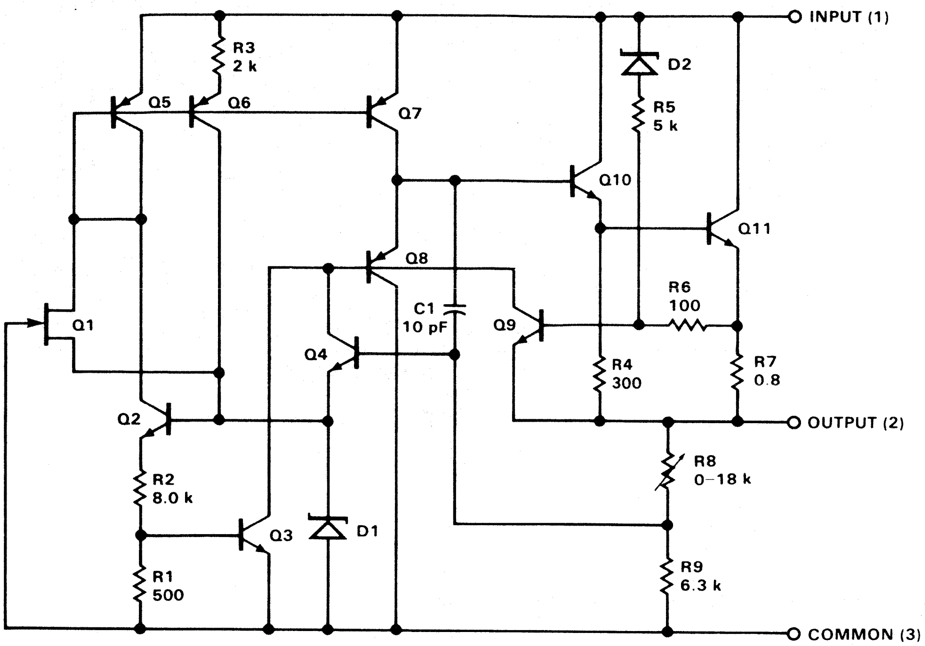


F184a

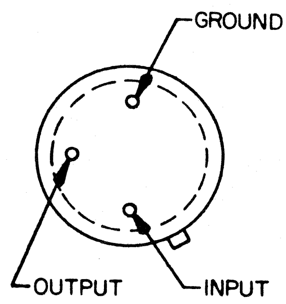


F184

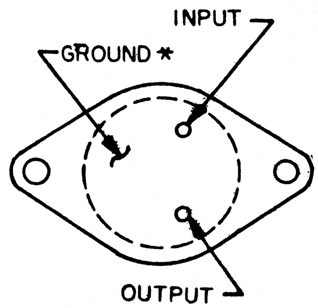
F185



F186

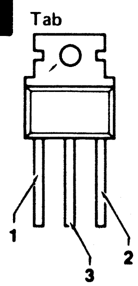


NOTE: Bottom views.
F186 & F186a



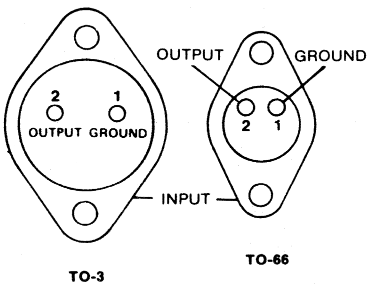
*(Case is connected to ground.)
F186b & F186c

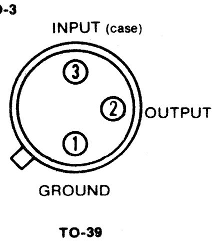
F187



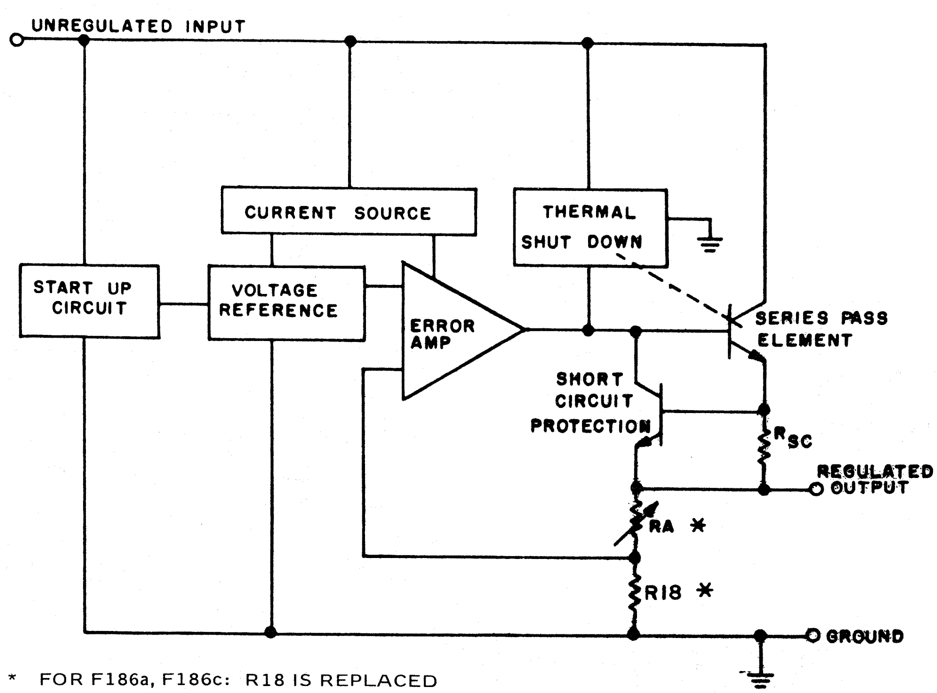
TO-220
FRONT VIEW

1 – Ground
2 – Output
3 – Input
Tab – Input





TOP VIEWS



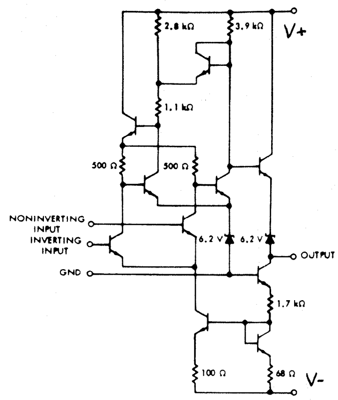
* FOR F186a, F186c: R18 IS REPLACED BY A DIODE AND R_A=0.

13. CIRCUIT DRAWINGS

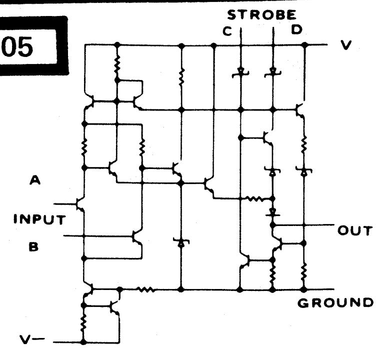
IN DRAWING NUMBER SEQUENCE

G001

	V+	V-	INPUT NON INV	INPUT INV	OUT	GND
TC89and TO91 FP	8	5	2	3	6	1
TO79and CN TO99	8	4	2	3	7	1
TC116	8	4	2	3	7	1
MP	11	6	3	4	9	2
FC	11	8	4	6	9	12

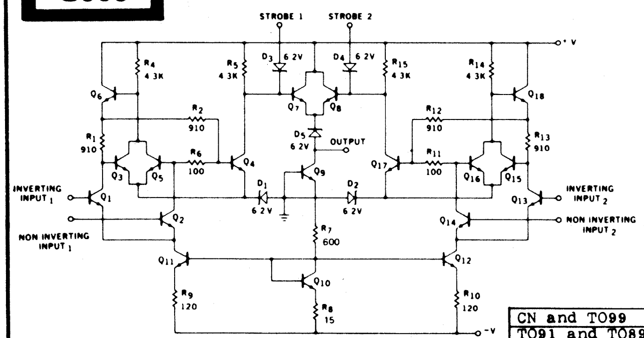


G005



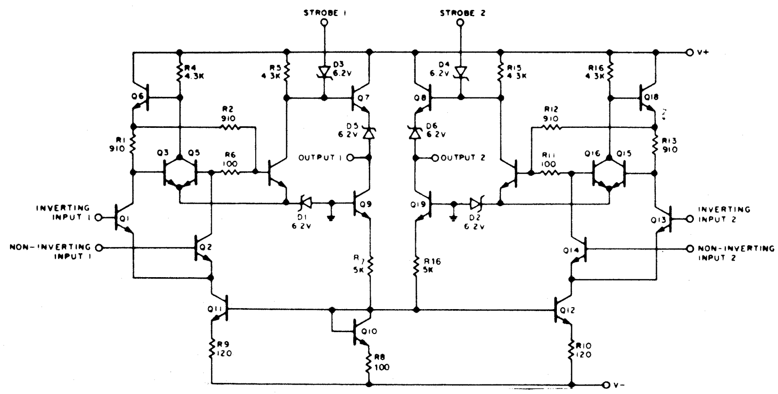
	PKG	CKT NC.	INPUT A	INPUT B	STROBE C	STROBE B	OUT	V+	V-	GND
G005	CN, MP		2	3	5	6	7	8	4	1
G005a	FP		3	4	7	8	9	11	6	2
G005b	MP	1	2	3	1	14	12	11	4	13
		2	6	5	7	8	10			
G005c	MP		3	4	7	8	9	11	6	2

G006



	V+	V-	INPUT 1 INV	INPUT 1 NON INV	INPUT 2 INV	INPUT 2 NON INV	S 1	S 2	OUT	G
CN and TO99	10	5	3	4	7	6	2	8	9	1
TO91 and TO89	8	3	1	2	5	4	10	6	7	9
TO116 and MP	11	4	2	3	6	5	13	9	10	12

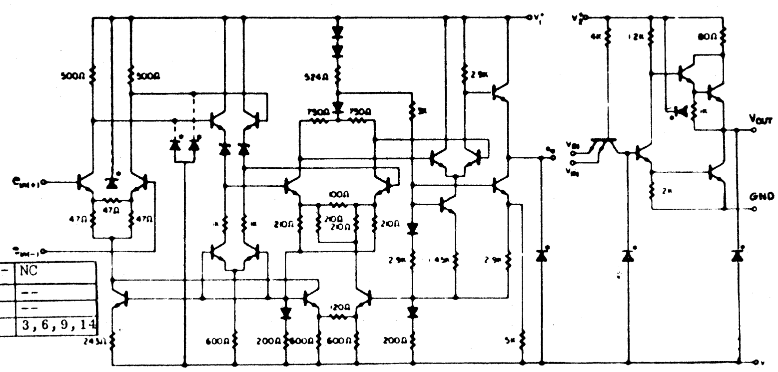
G007



	V+	V-	INPUT 1 INV	INPUT 1 NON INV	INV	NON INV	S1	S2	01	02	G
G007	11	4	2	3	6	5	13	8	10	9	12

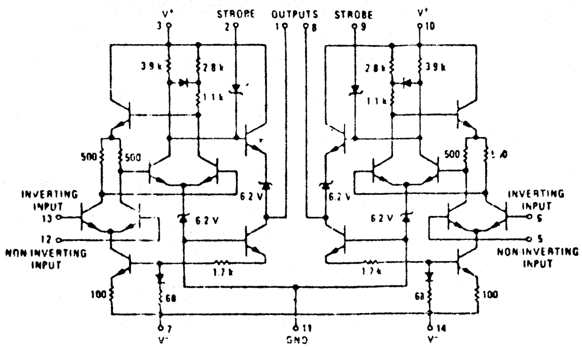
G009

	e_{OUT}	V_{IN}	COM	V_0	V_1+	V_2+	e_{IN}	V-	NC
TO91	6	4,5	3	2	8	7	9,10	1	--
TO100	6	4,5	3	2	8	7	9,10	1	--
TO116	13	11,12	10	8	2	1	4,5	7	3,6,9,14

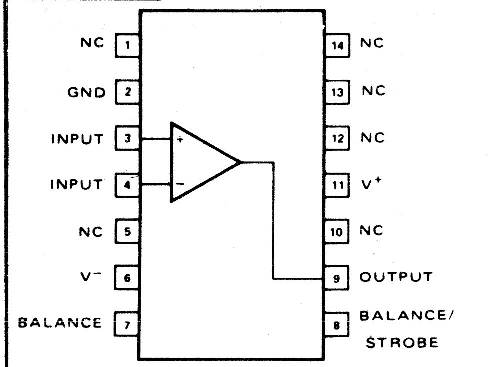


NOTES COMPONENT VALUES ARE TYPICAL
* ISOLATION DIODES

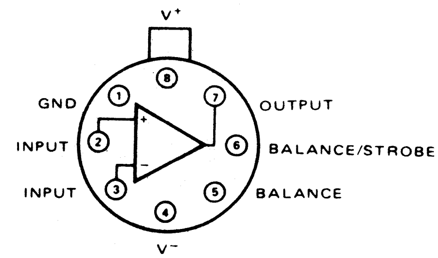
G012



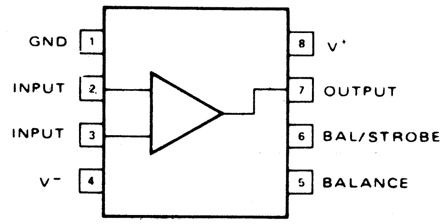
G016



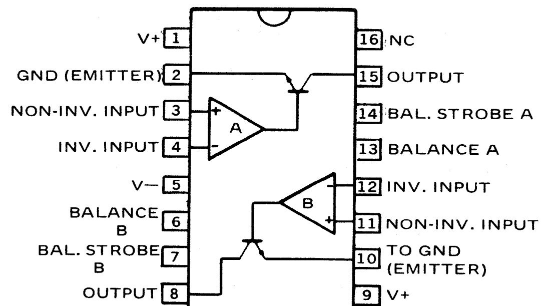
G016a



G016b

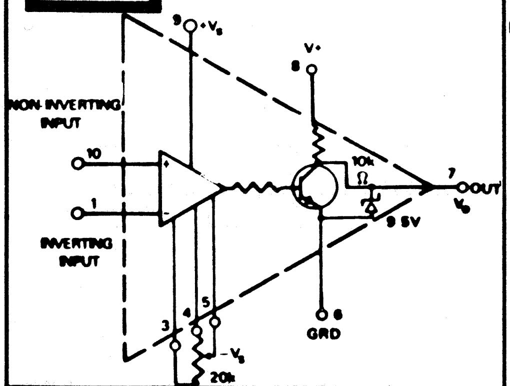


G016c

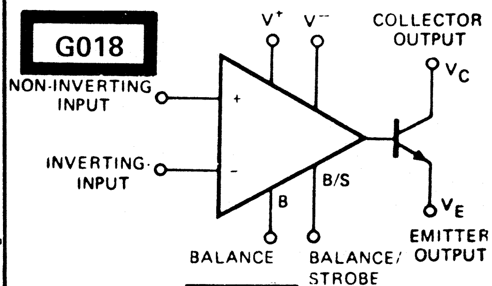


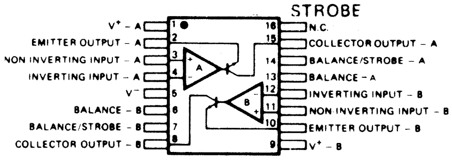
G016d

G017



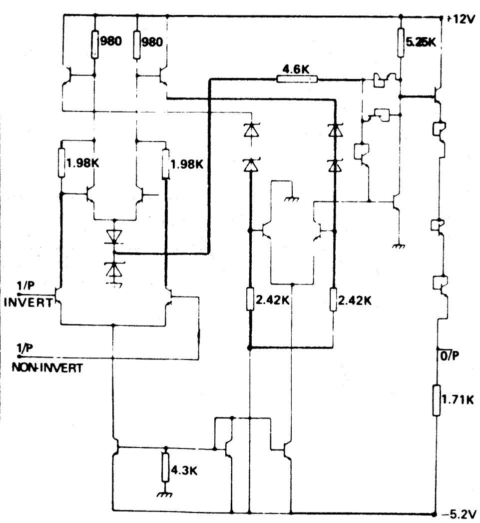
G018



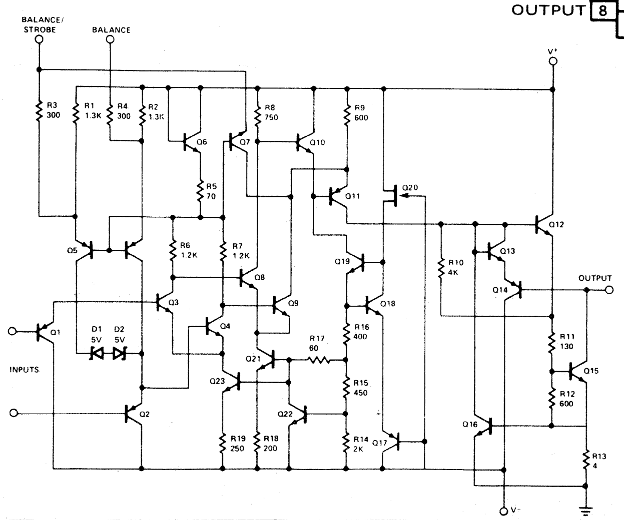


Pin 5 connected to bottom of package.

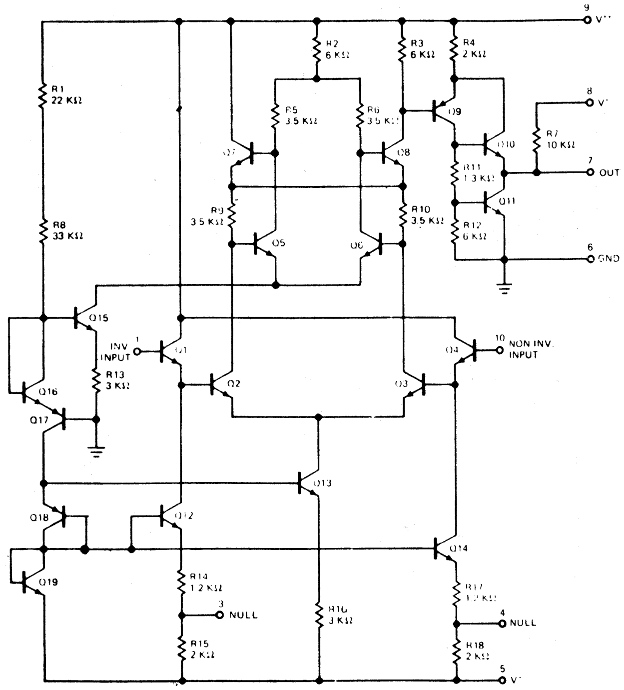
G019



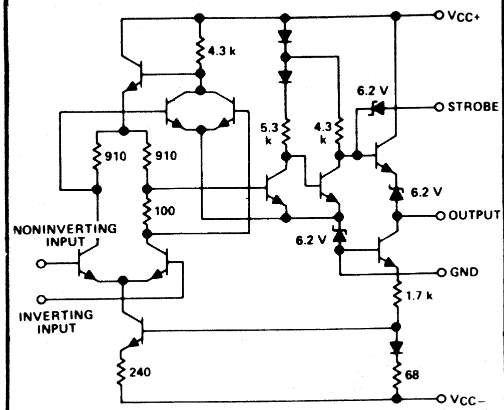
	CKT NO	INV INP	NON-INV INP	0V	O/P	+V	−V
G019	1	13	12	5	–	3	11
	2	9	10		6		
G019a	1	7	6	1	8	9	5
	2	3	4		2		



G020

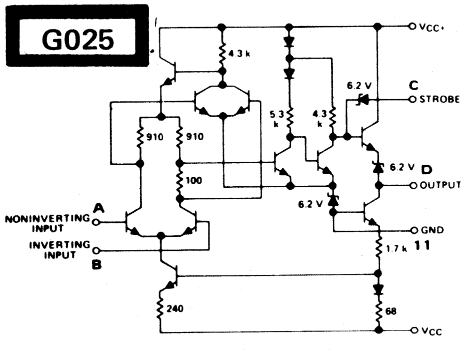


G024



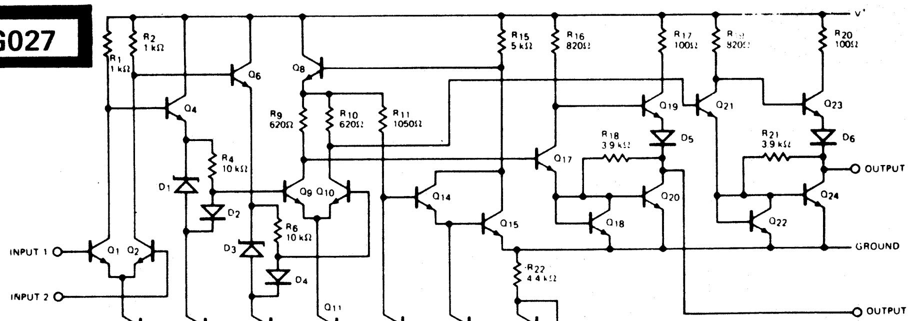
	PKG DESIG.	NON INVERT IN	INV IN	VCC-	OUT	STROBE	VCC
G024	L,P	2	3	4	7	6	8
	J,N,Z	3	4	6	9	10	11

G025



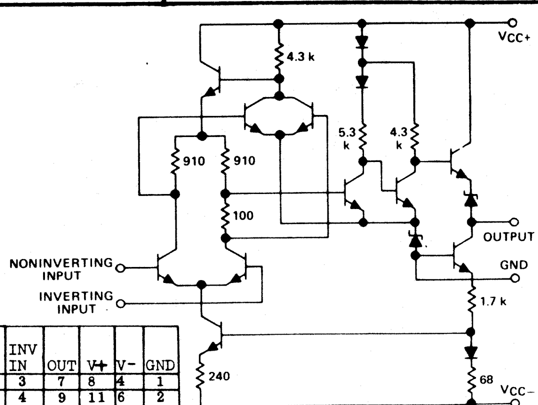
	CKT	A	B	C	D	VCC	VCC-
G025	1	12	13	2	1	3	14
	2	5	6	9	8	10	7

G027



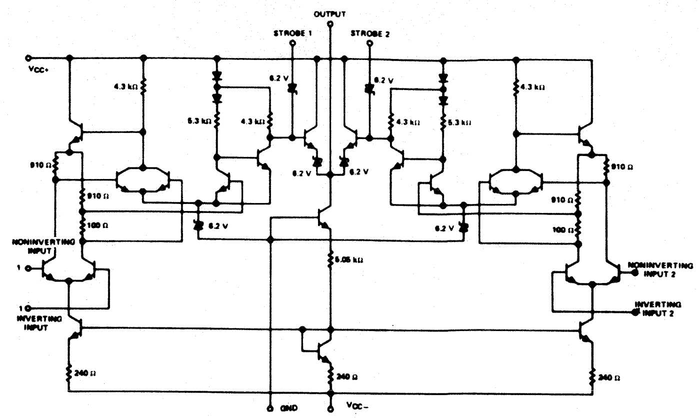
	PKG	INPUT 1	INPUT 2	OUTPUT 1	OUTPUT 2	V+	V-	GND
G027	CN	3	2	7	6	8	4	5
G027a	MP	5	4	11	10	12	6	9

G028



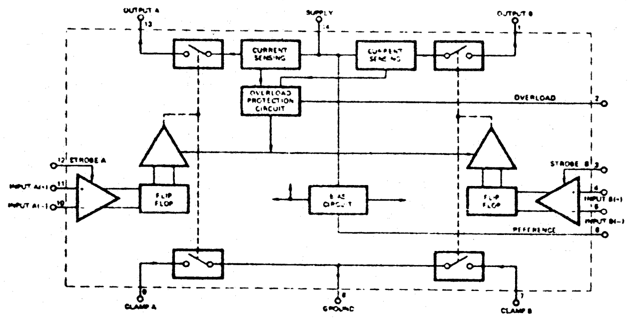
	PKG	CKT	NON INV IN	INV IN	OUT	V+	V-	GND
G028	CN,MP	1	2	3	7	8	4	1
	FP,MP	1	3	4	9	11	6	2
G028a	MP	1	12	13	1	3	14	11
		2	5	6	8	10	7	11

G029

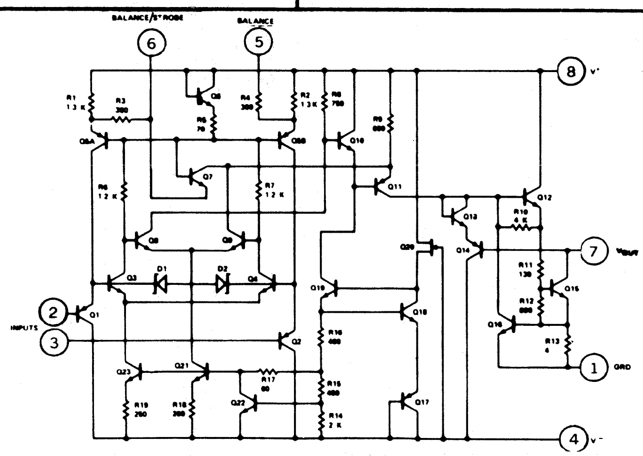


	PKG	NON INV		INV IN		STROBE		OUT	GND	VCC-	VCC+
		IN1	IN2	1	2	1	2				
G029	CN	4	6	3	7	2	8	9	1	5	10
	FP, MP	3	5	2	6	13	9	10	12	4	11
	FP	2	4	1	5	10	6	7	9	3	8

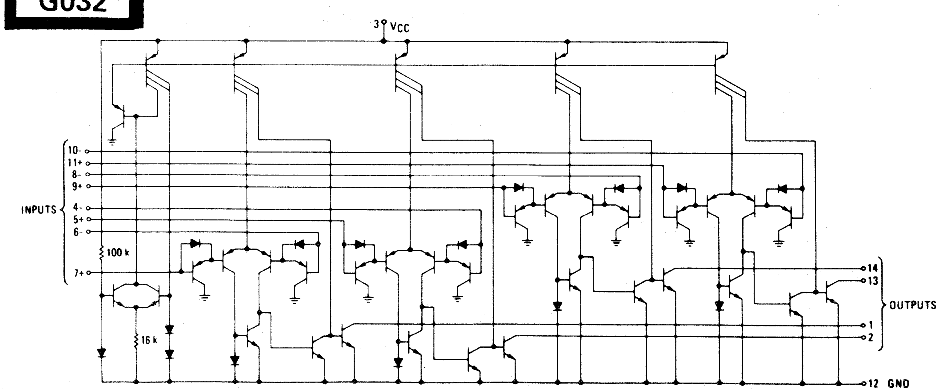
G030



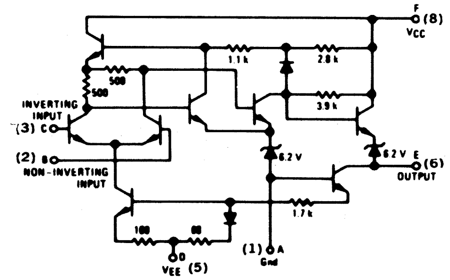
G031



G032

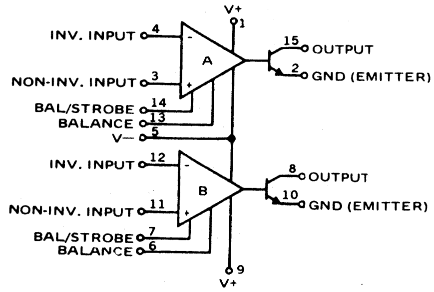


G033



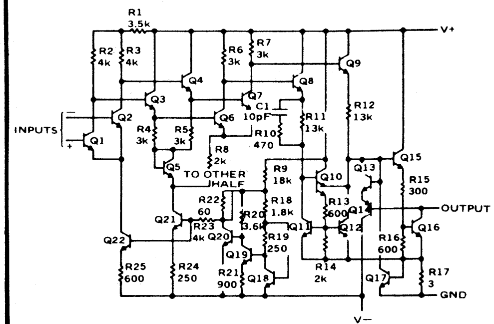
NUMBER IN PARENTHESIS SPECIFIES TO91 PIN CONNECTIONS.

G034

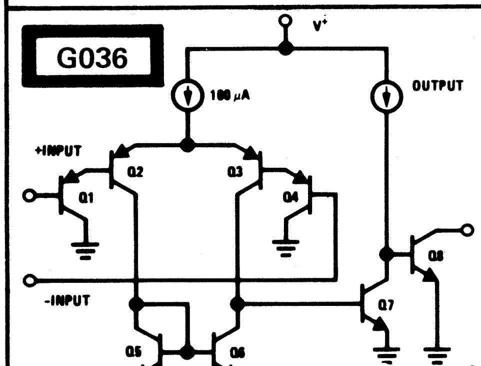


G035

	PKG	CKT	INP −	INP +	OUTP	V+	V−	GND
G035	CN	1	4	3	1	10	5	2
		2	9	8	6			7
	FP	1	4	3	1	10	5	2
		2	9	8	6			7
	MP	1	5	4	12	11	6	3
		2	10	9	7			8



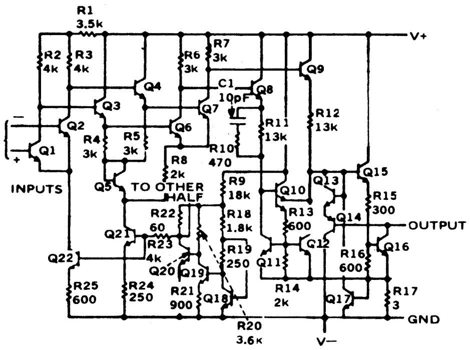
G036



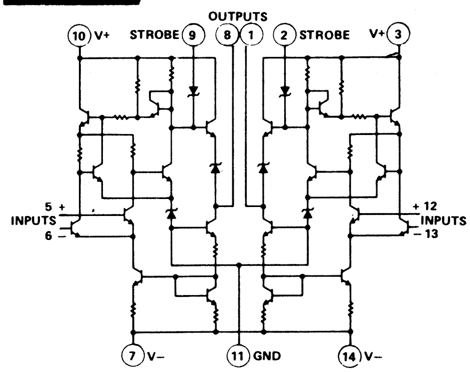
	CKT	INPUT +	INPUT −	OUTP	V+	GND
G036	1	5	4	2	3	12
	2	7	6	1		
	3	9	8	14		
	4	11	10	13		

G037

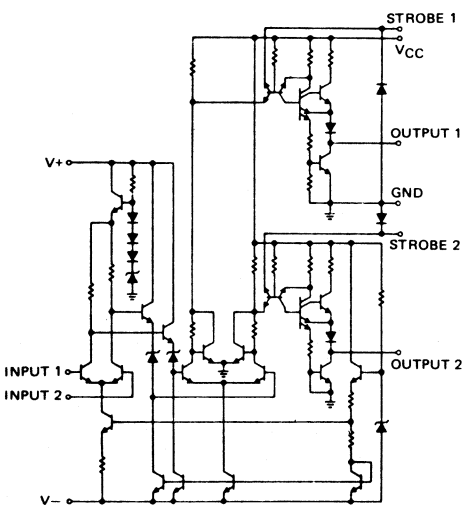
	PKG	CKT	INPUT +	INPUT −	OUTP	V+	V−	GND
G037	MP	1	4	5	12	11	6	3
		2	9	10	7			8
	CN	1	3	4	1	10	5	2
		2	7	6	9			7



G038

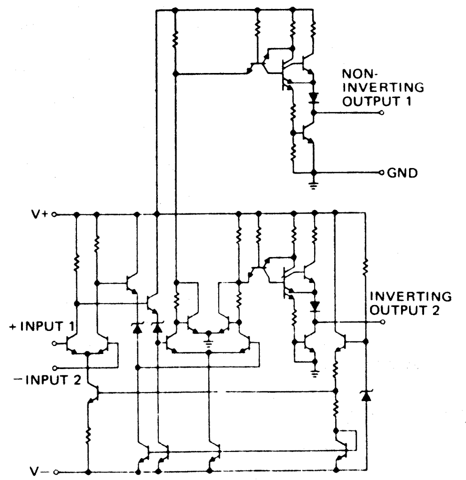


G039



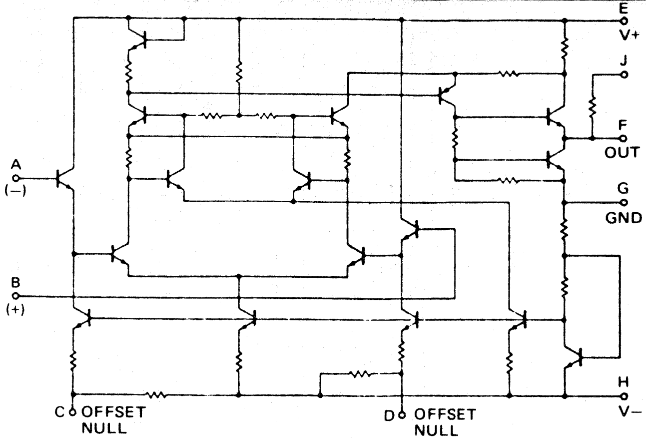
	PKG	V+	INPUT 1	INPUT 2	V−	STROBE 1	STROBE 2	OUTPUT 1	OUTPUT 2	GND	VCC
G039	FP/MP	1	3	4	6	13	8	11	9	10	14
	CN	10	1	2	3	8	4	7	5	6	9

G040



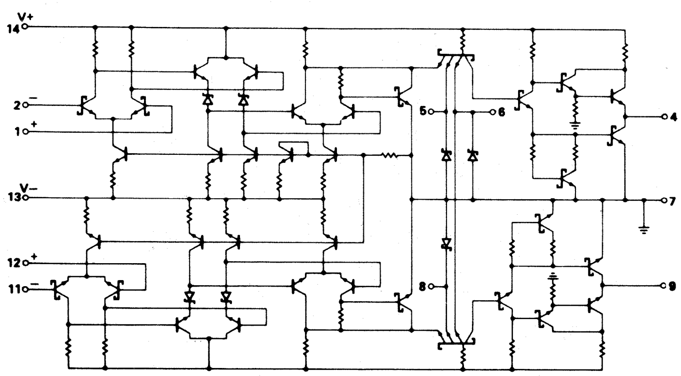
	PKG	INPUT 1	INPUT 2	V−	GND	OUTPUT 1	OUTPUT 2	V+
G040	CN	3	2	4	5	7	6	8
	FP/MP	5	4	6	9	11	10	12

G041

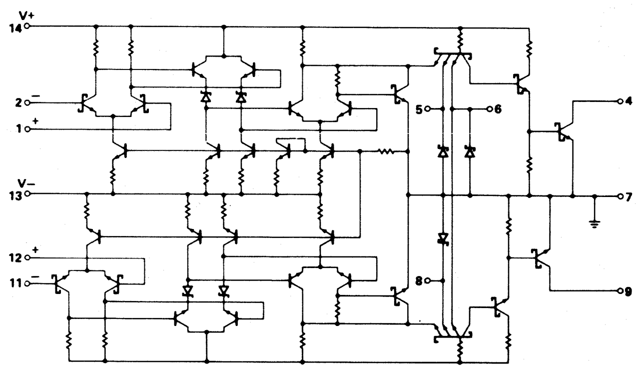


		A	B	C	D	E	F	G	H	J
G041	CN	1	10	3	4	9	7	6	5	8
	MP	7	5	8	10	3	13	12	11	14

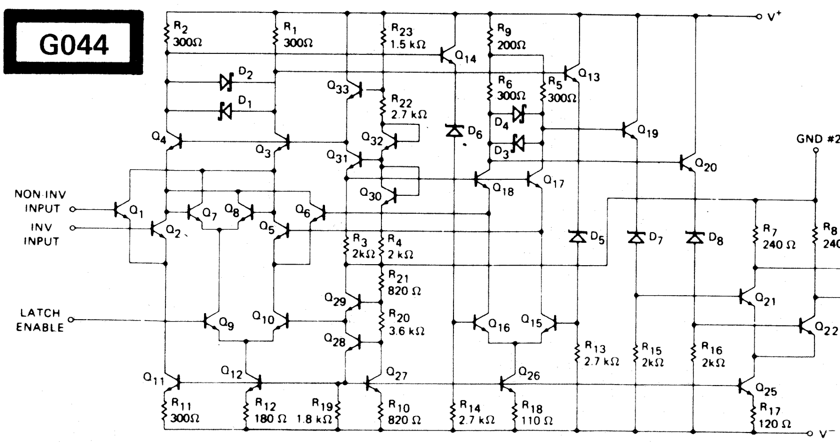
G042



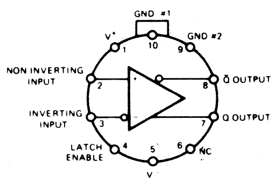
G043



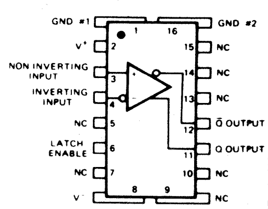
G044



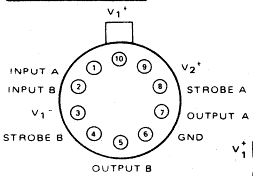
Metal Can



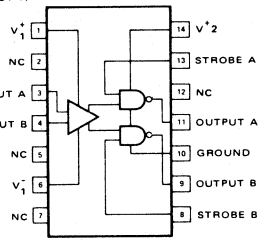
Dual-In-Line



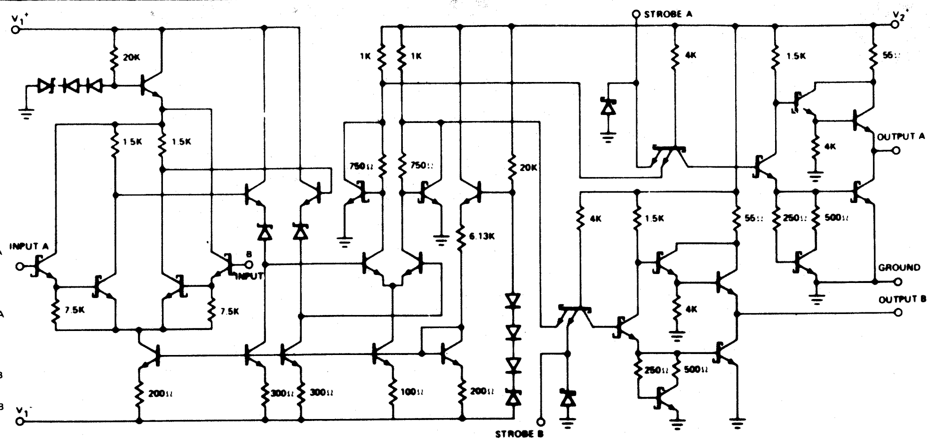
G045



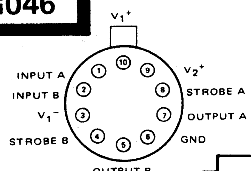
G045



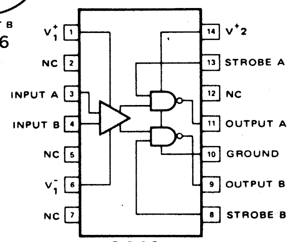
G045a



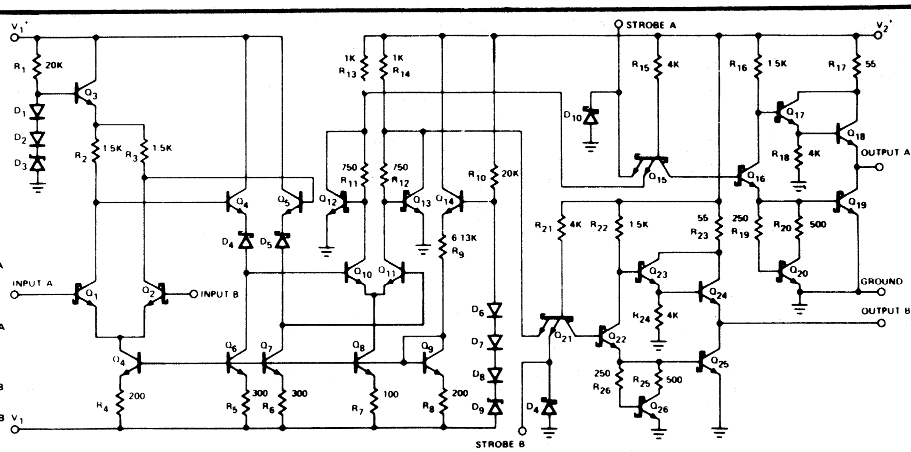
G046



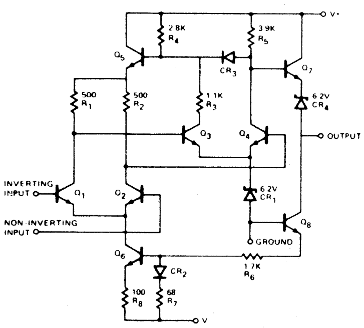
G046



G046a

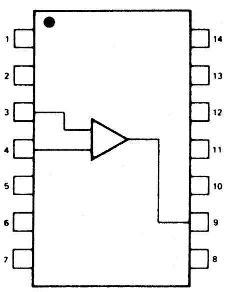


G047



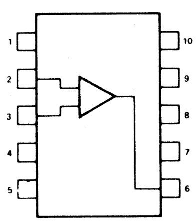
A PACKAGE

(Top View)



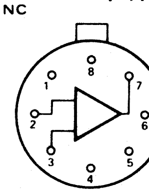
1. NC
2. Ground
3. Non-Inverting Input
4. Inverting Input
5. NC
6. V⁻
7. NC
8. NC
9. Output
10. NC
11. V⁺
12. NC
13. NC
14. NC

Q PACKAGE



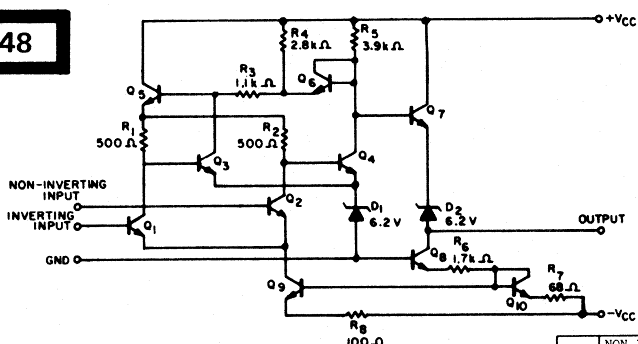
1. Ground
2. Non-Inverting Input
3. Inverting Input
4. NC
5. V⁻
6. Output
7. NC
8. V⁺
9. NC
10. NC

T PACKAGE



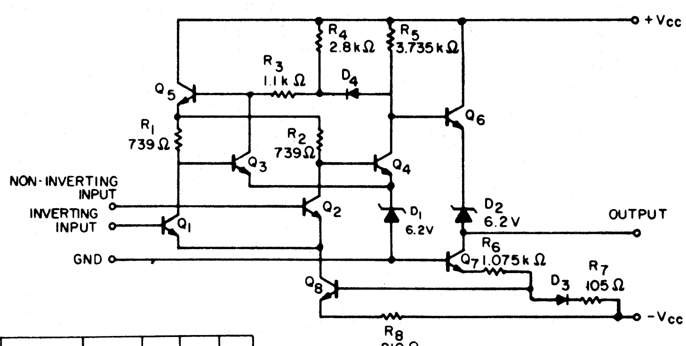
1. Ground
2. Non-Inverting Input
3. Inverting Input
4. V⁻
5. NC
6. NC
7. Output
8. V⁺

G048



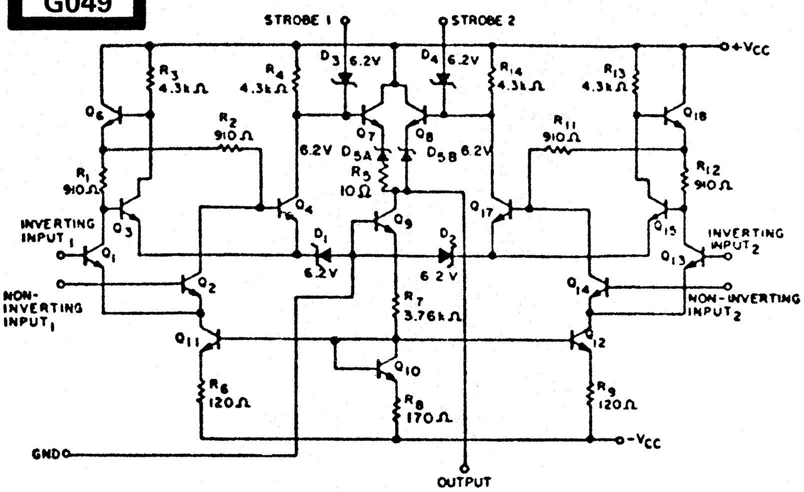
Circuit A

	PKG	NON INV INPUT	INV INPUT	OUTPUT	-VCC	+VCC	GND
G048	CN	2	3	7	4	8	1
G048a	MP	3	4	9	6	11	2
G048b	FP	2	3	6	5	8	1

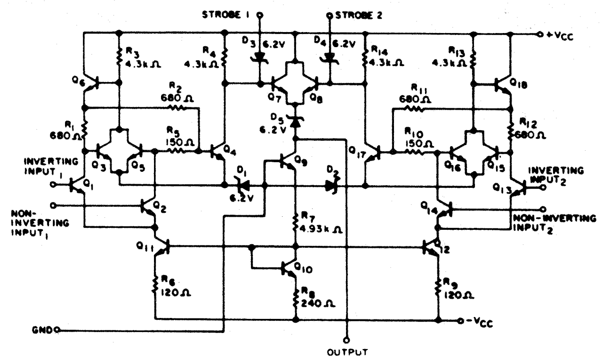


Circuit B

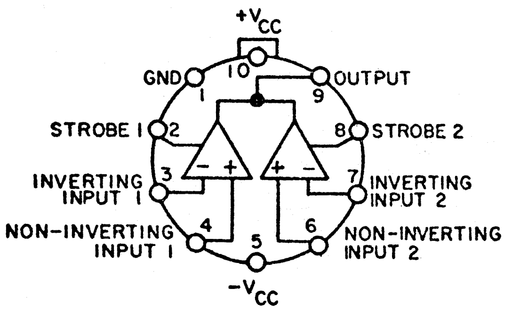
G049



CIRCUIT A

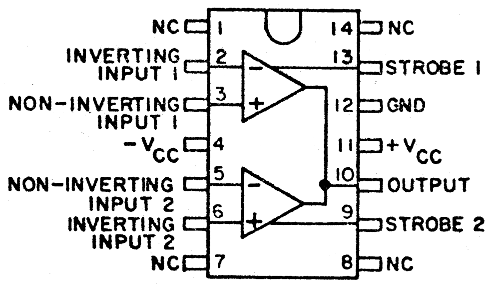


CIRCUIT B

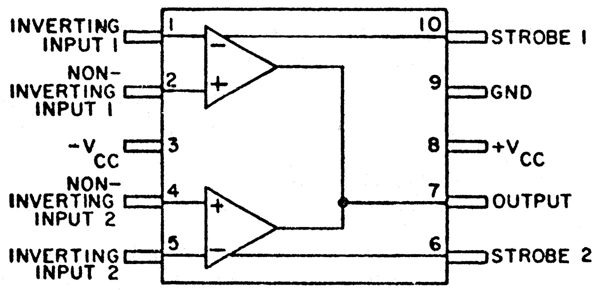


NOTE: Pin 5 connected to case.

G049

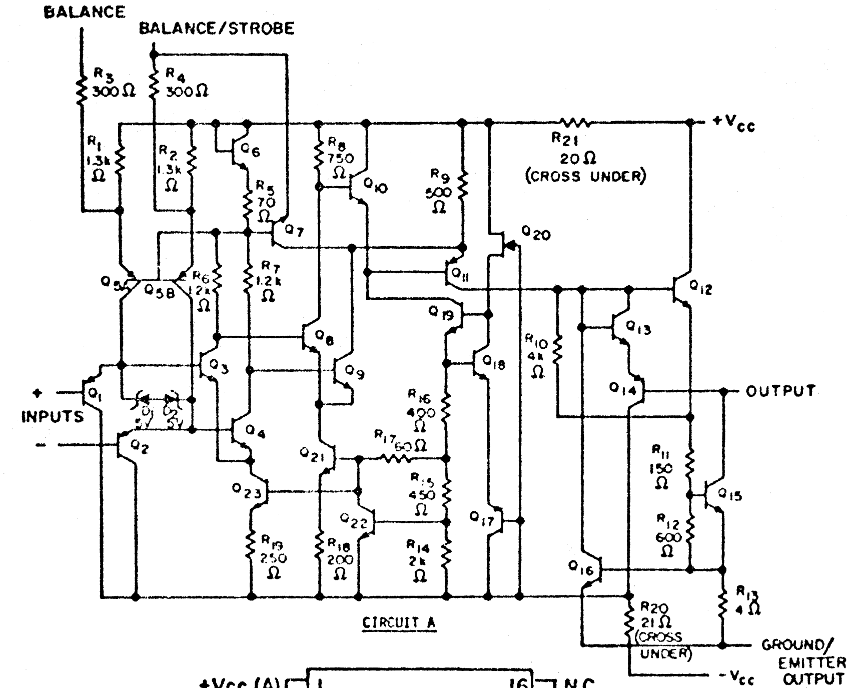


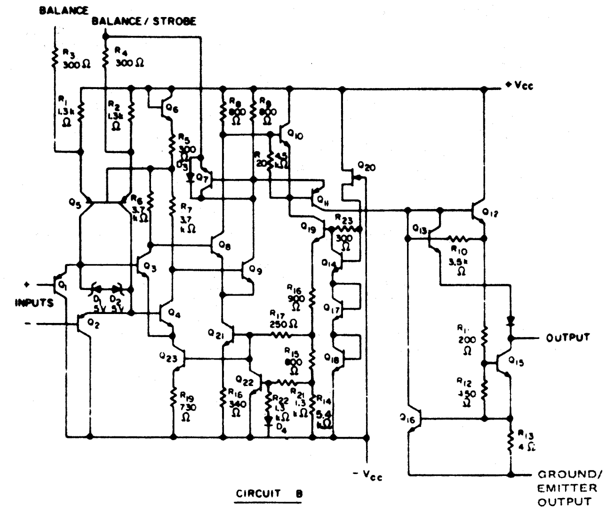
G049a

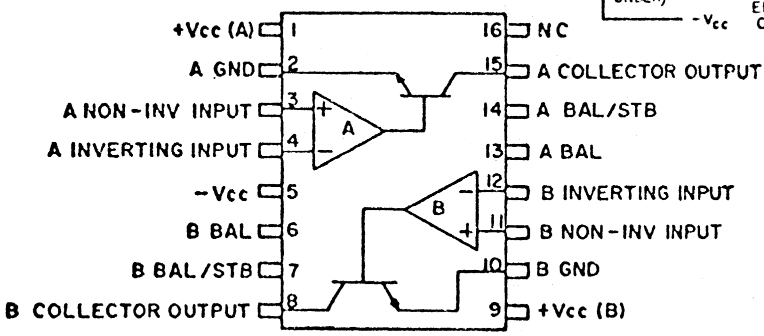


G049b

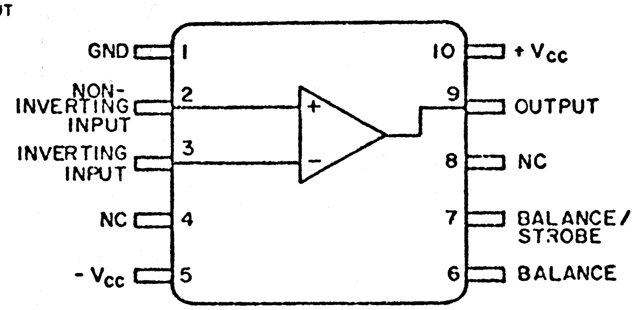
G050







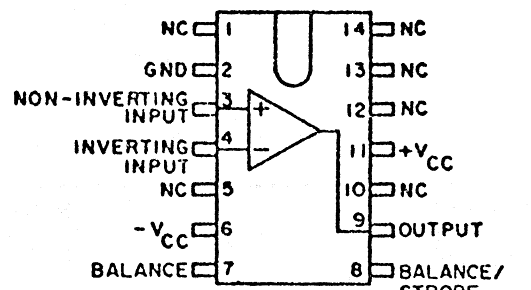
G050d



G050a

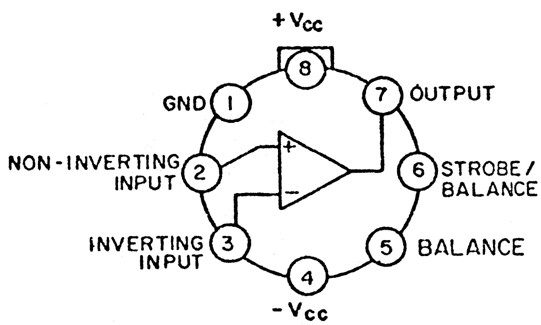
NOTE: Pin 5 connected to bottom of package.

NOTES:
1. $+V_{CC(A)}$ and $+V_{CC(B)}$ shall not be internally connected.
2. $-V_{CC}$ connected to the case of metal packages.



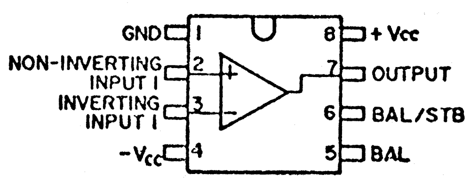
G050b

NOTE: Pin 6 connected to bottom of package.



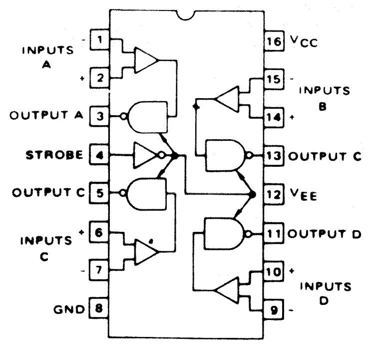
G050

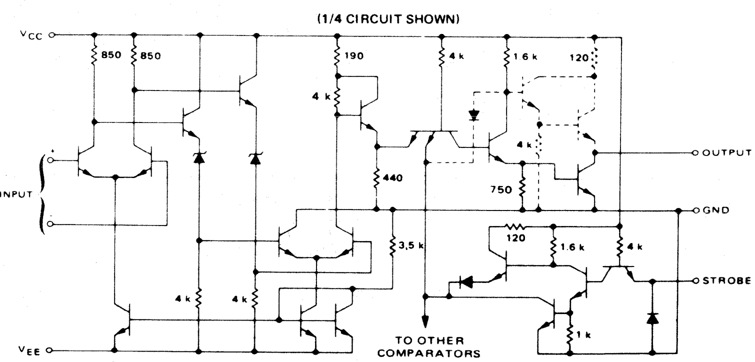
NOTE: Pin 4 connected to case.



G050c

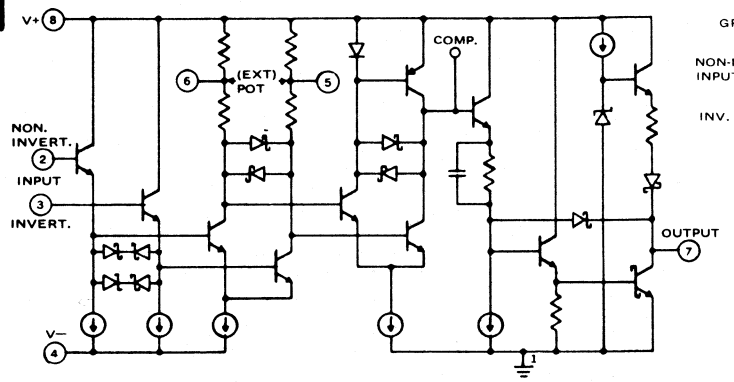
G051

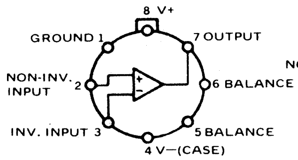




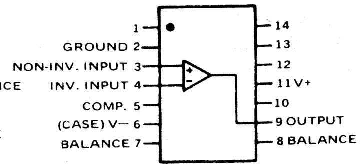
DASHED COMPONENTS APPLY TO THE G051a CIRCUITS ONLY.

G052

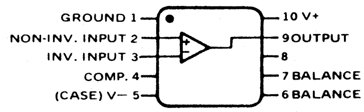




G052

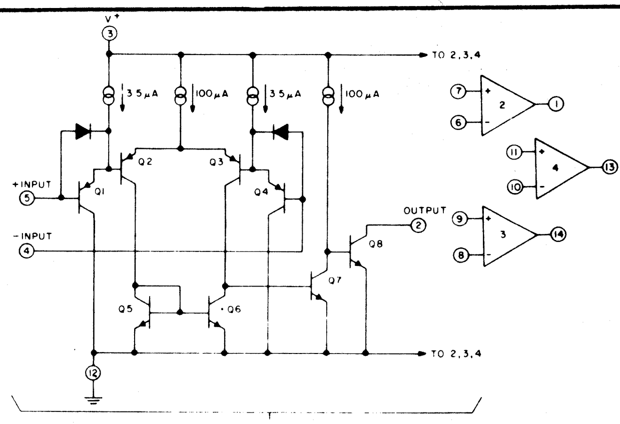


G052a



G052b

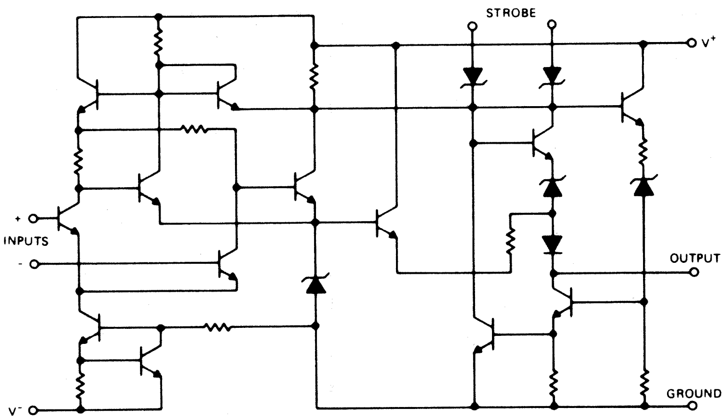
G053



COMPARATOR NO. 1

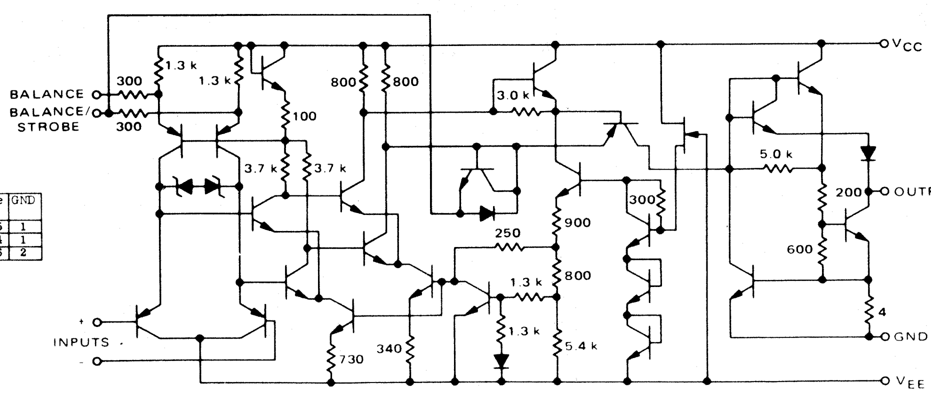
FOUR CIRCUITS

G054

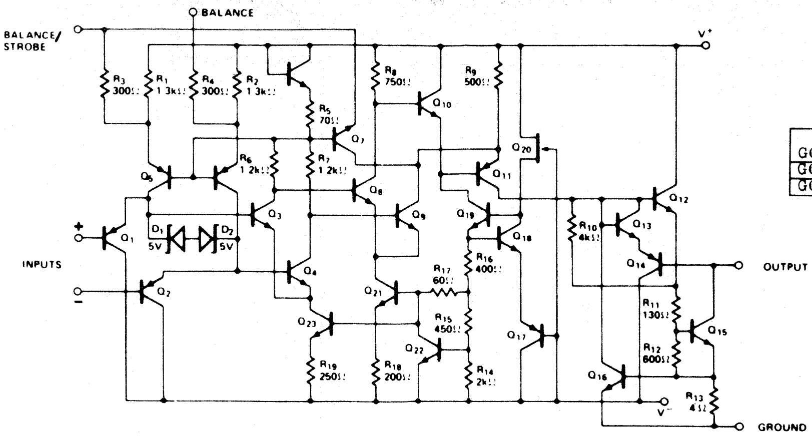


G055

	PKG	INPUTS		BALANCE	BALANCE/ STROBE	OUTP	Vcc	Vee	GND
		+	-						
G055	FP	2	3	6	7	9	10	5	1
G055a	CN,MP	2	3	5	6	7	8	4	1
G055b	MP	3	4	7	8	9	11	6	2

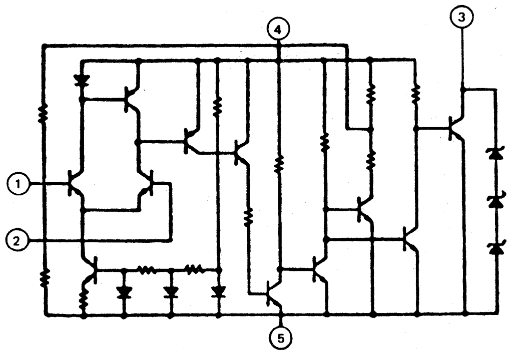


G056

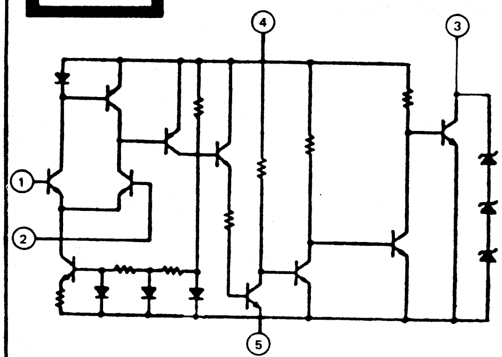


	INPUT +	INPUT −	BAL/STROBE	BALANCE	OUTP	V+	V−	GND
G056a	2	3	6	5	7	8	4	1
G056b	2	3	7	6	9	10	5	[illegible]
G056c	3	4	8	7	9	11	6	2

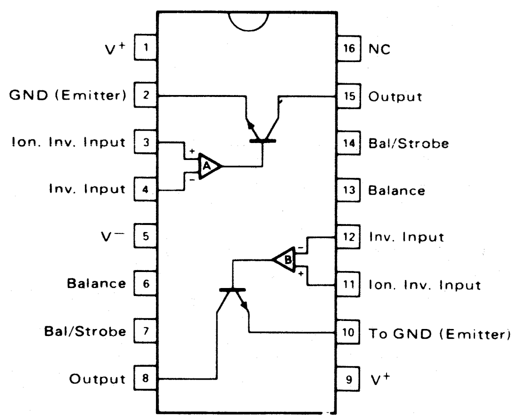
G057



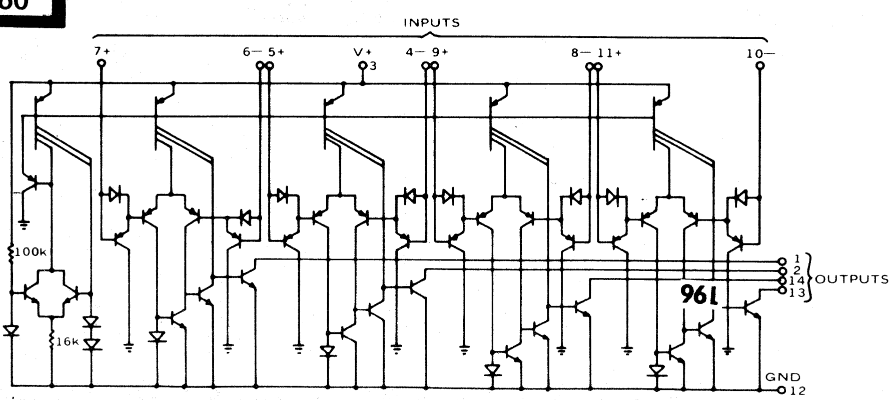
G058



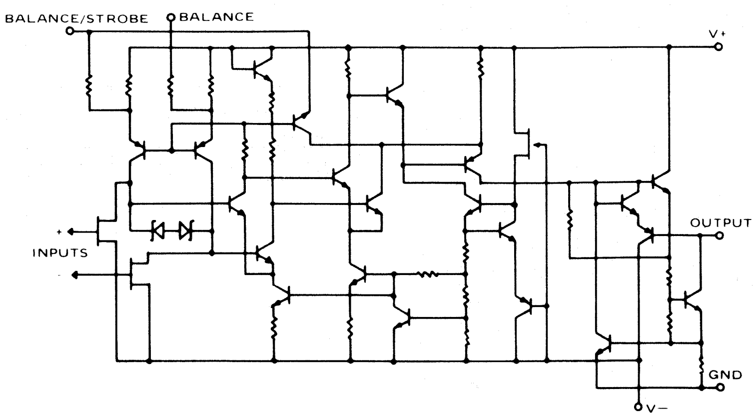
G059



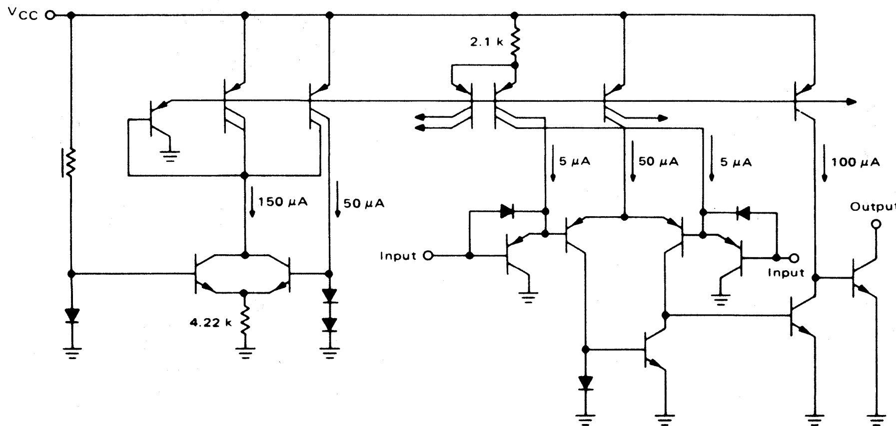
G060

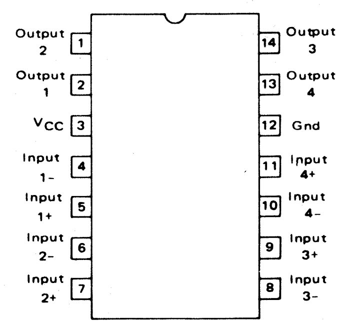


G061

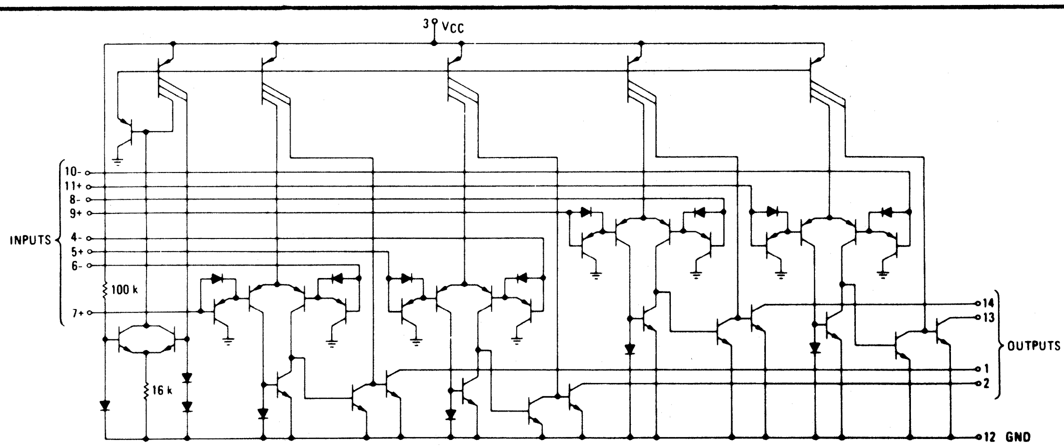


G062

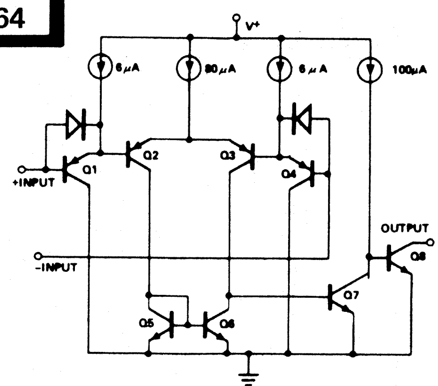


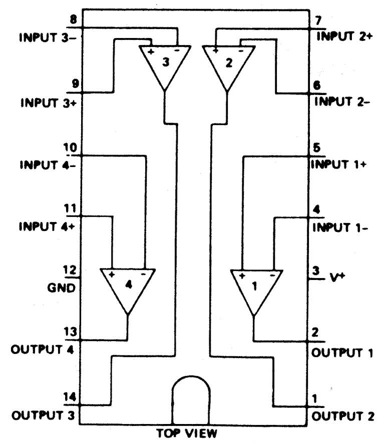


G063

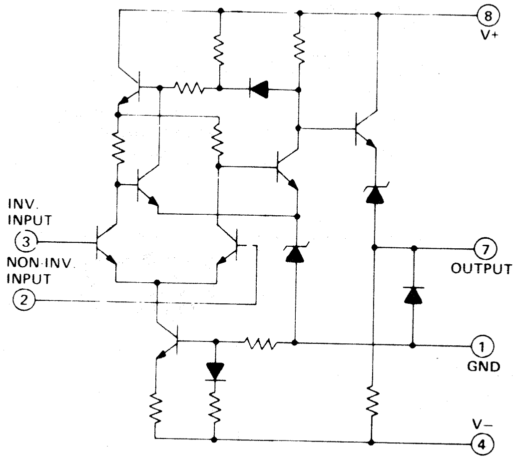


G064

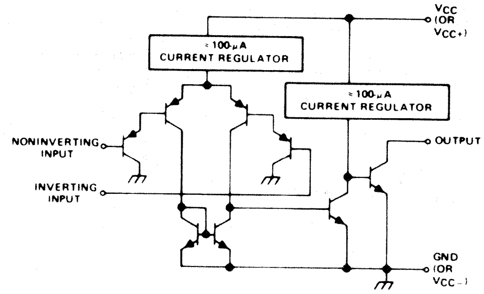


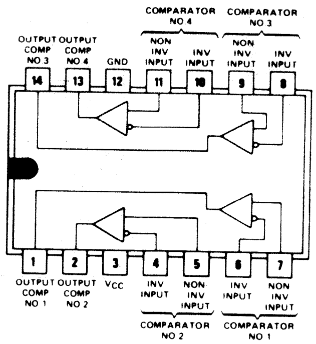


G065

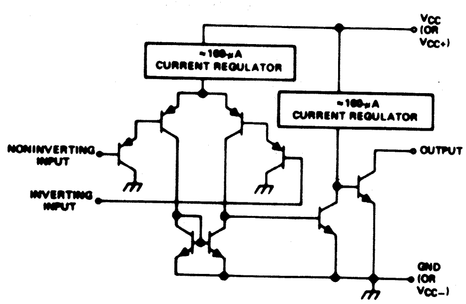


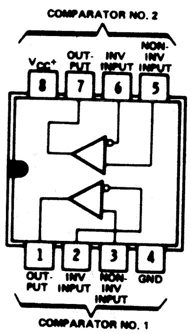
G066



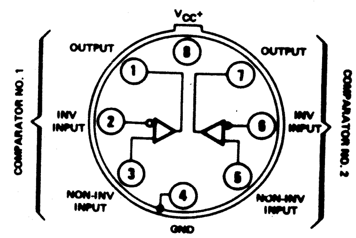


G067





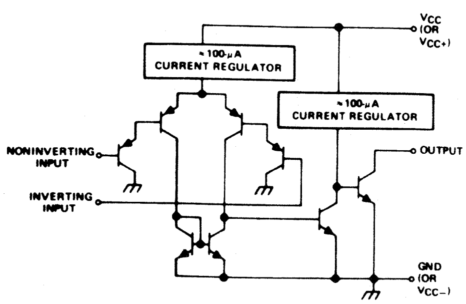
G067

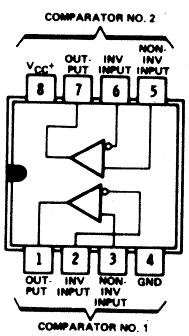


PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE.

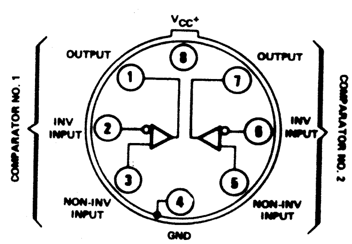
G067a

G068





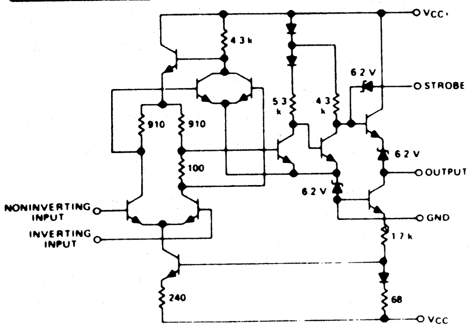
G068

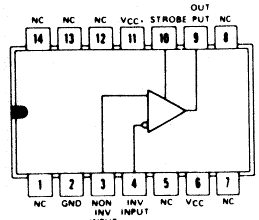


PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE.

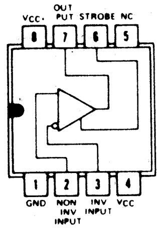
G068a

G069

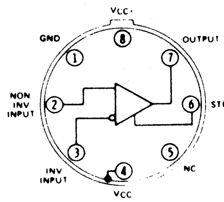




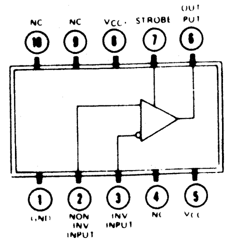
G069



G069a

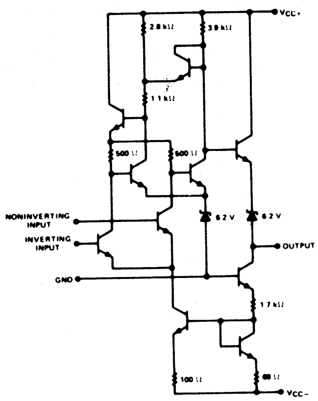


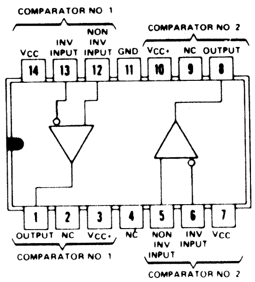
PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE
G069b



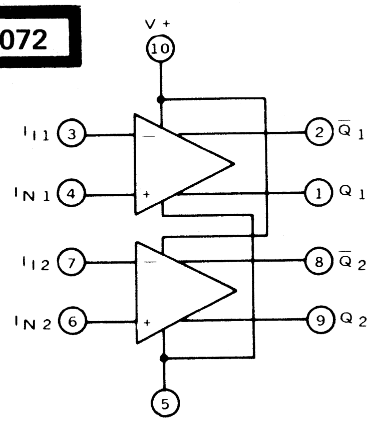
G069c

G070

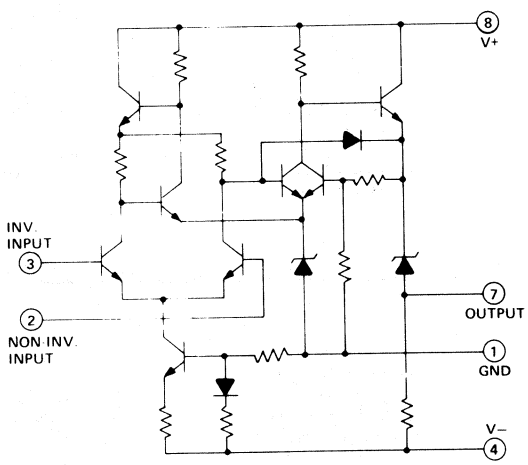




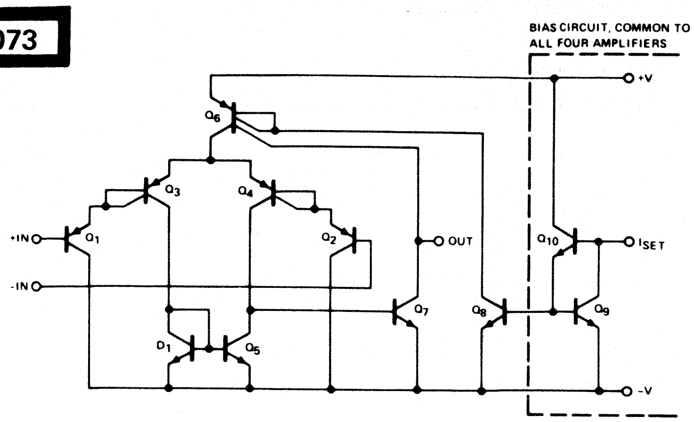
G072

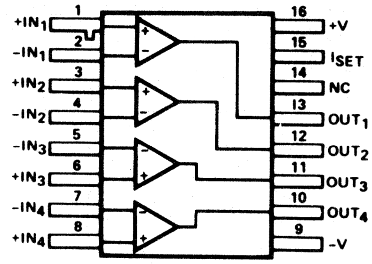


G071



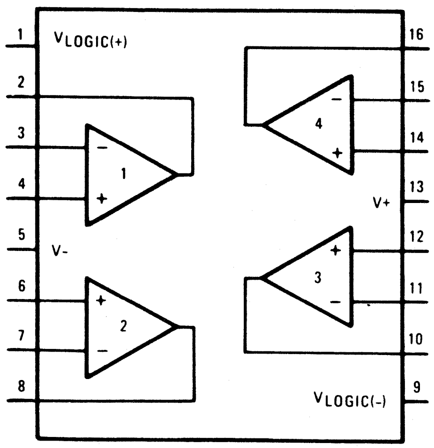
G073



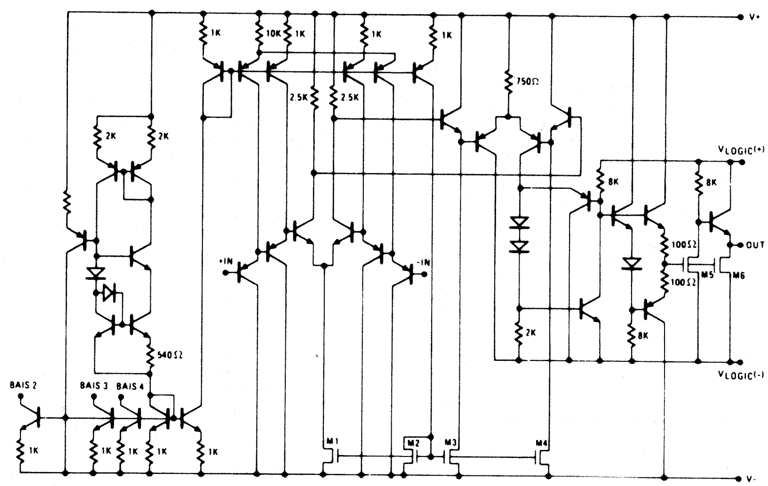


TOP VIEW

G074

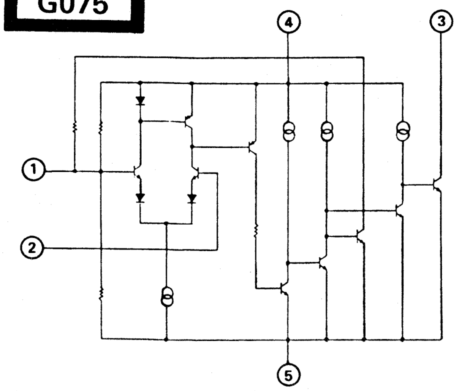


TOP VIEW

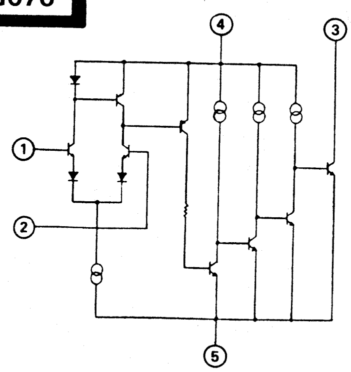


ONE FOURTH ONLY

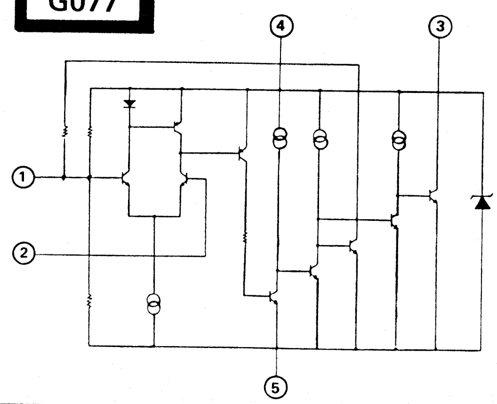
G075



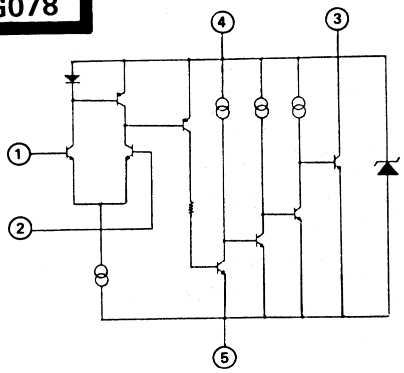
G076



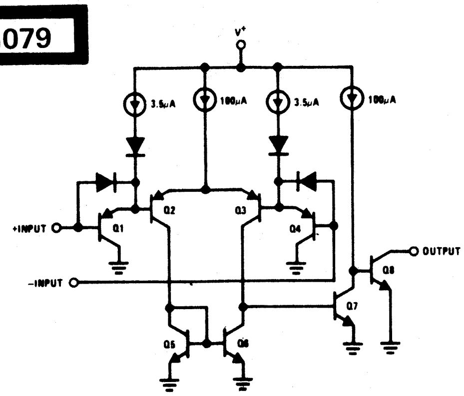
G077



G078

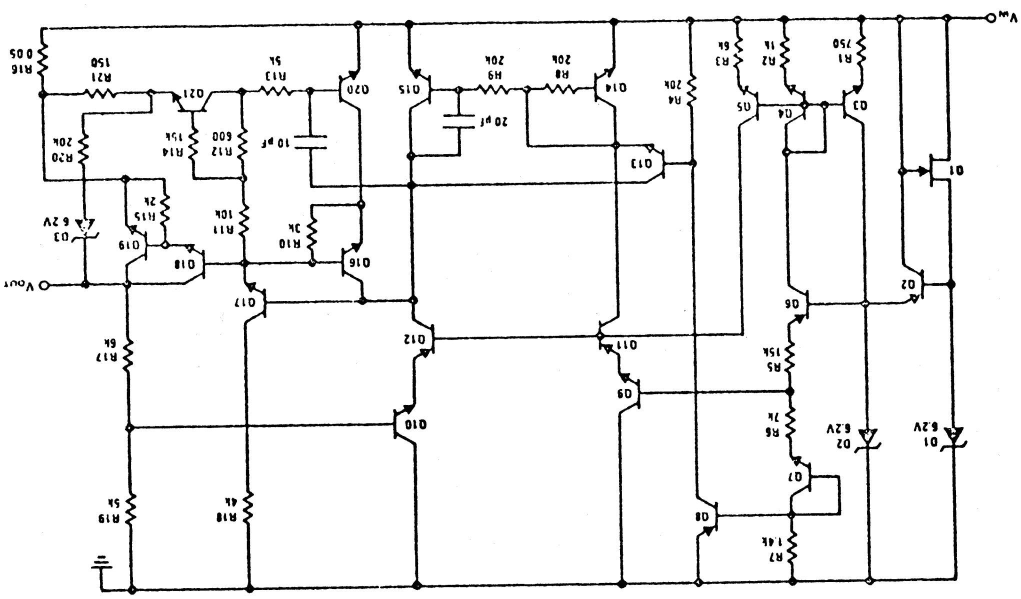


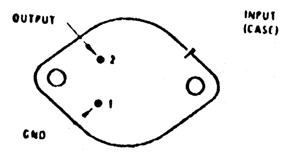
G079



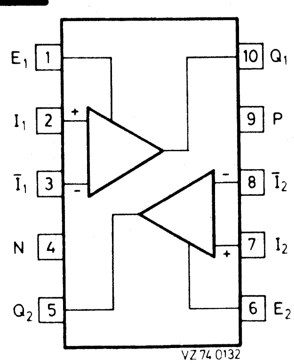
Package	CKT	INPUTS +	INPUTS −	OUTP	V+	GND
G079	1	5	4	2	3	12
	2	7	6	1		
	3	9	8	14		
	4	11	10	13		
G079a	1	3	2	1	8	4
	2	5	6	7		

G080

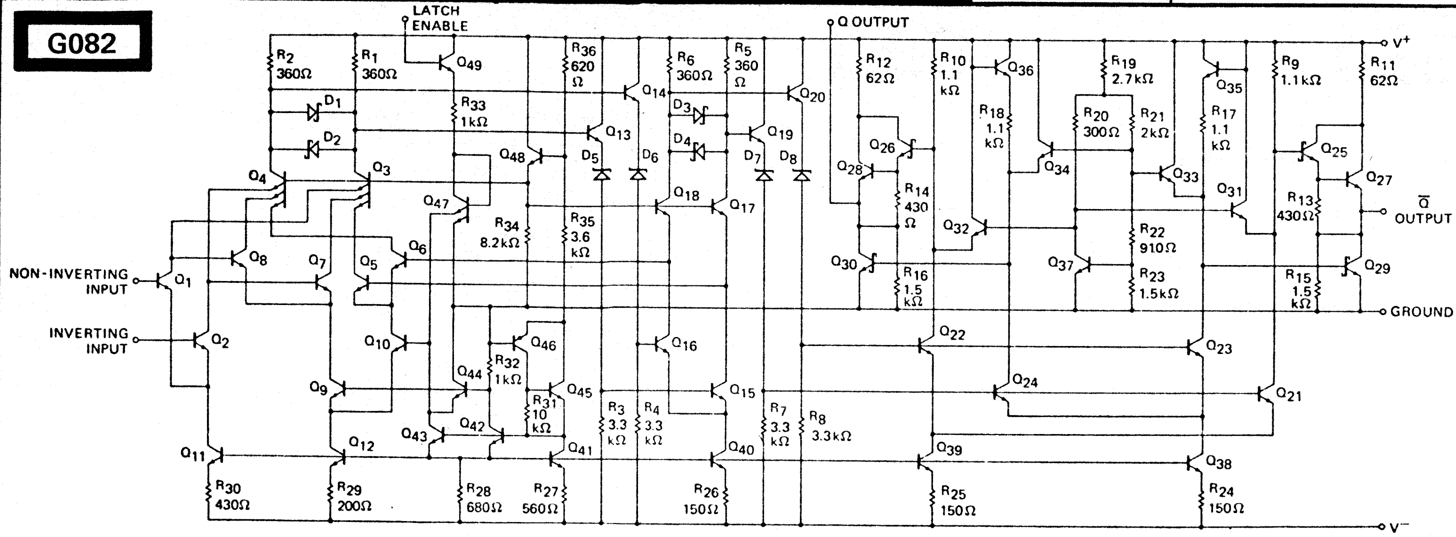




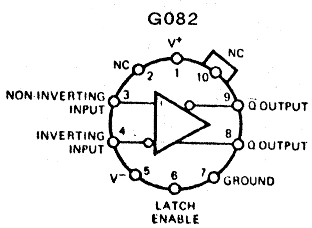
G081

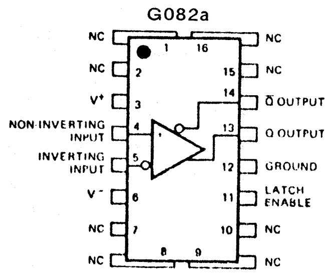


G082



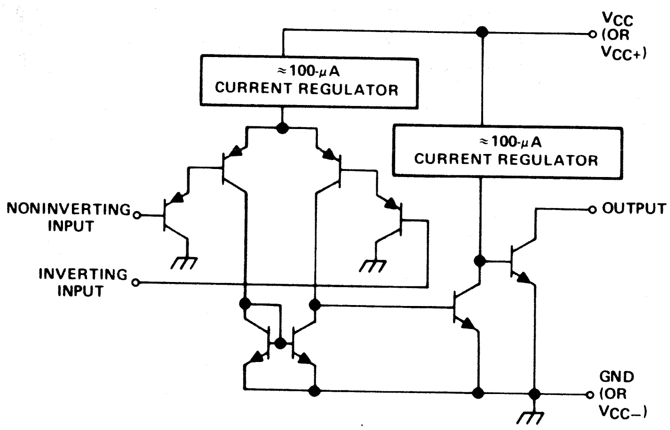
Top Views

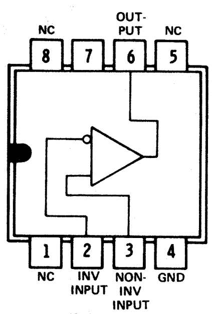




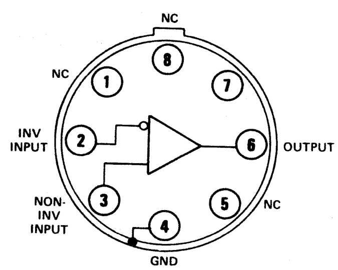
NOTE 1: ON G082, PIN 5 IS CONNECTED TO CASE.
ON G082a, PIN 6 IS CONNECTED TO CASE.

G083





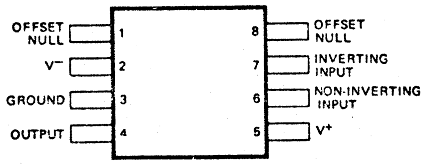
G083



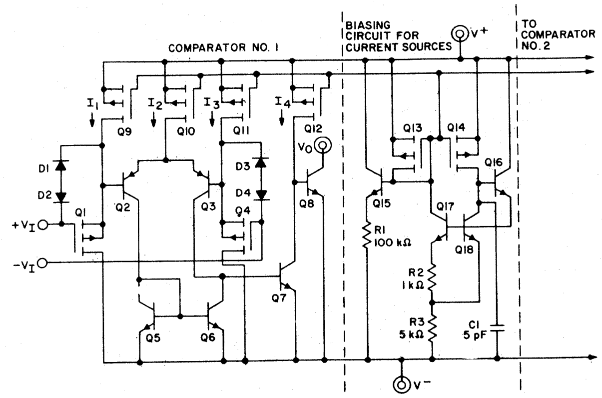
G083a

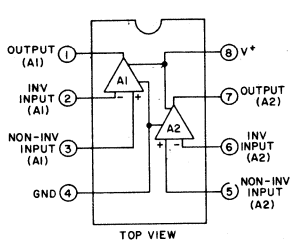
PIN 4 IS IN ELECTRICAL CONTACT WITH THE CASE

G085

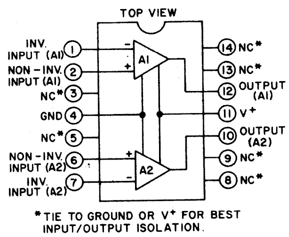


G086

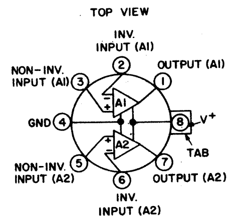




G086



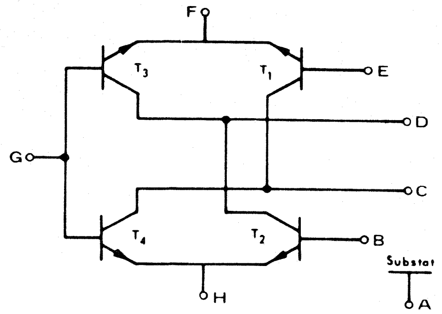
G086a



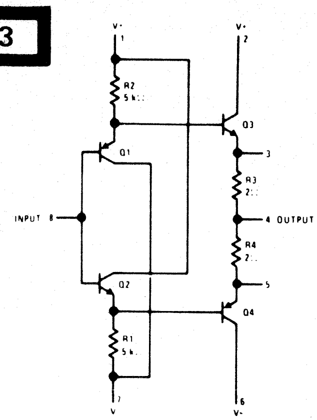
G086b

Z001

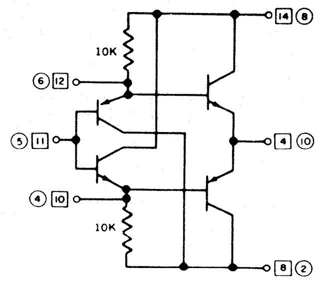
	A	B	C	D	E	F	G	H
Z001	1	7	2	6	3	4	5	8
Z001a	10	6	1	5	2	3	4	7



Z003

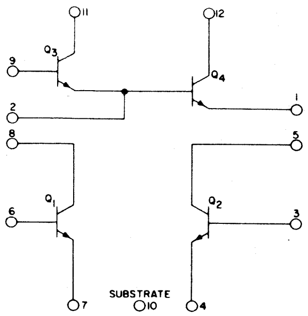


Z004

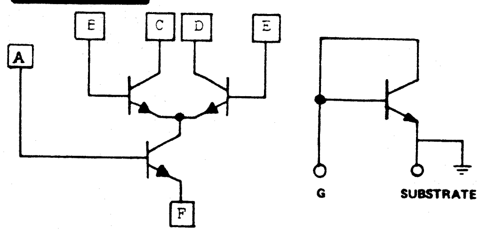


○ denotes TO-5 pins □ denotes 3/8″ x 3/8″ FP pins

Z007

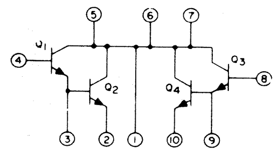


Z008

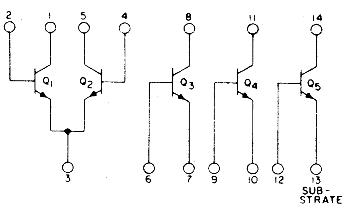


	CKT	A	B	C	D	E	F	G	SUB
Z008	1	3	2	1	14	13	4	10	5
	2	11	9	8	7	6	12	—	—
Z008a	1	2	1	12	11	10	3	—	—
	2	8	7	6	5	4	9	—	—
Z008b	1	2	1	12	11	10	3 SUB	NA	NA
	2	8	7	6	5	4		NA	NA

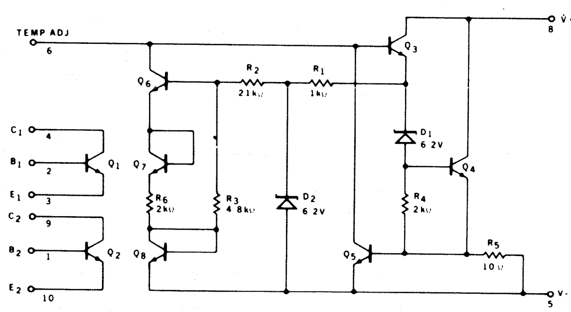
Z009



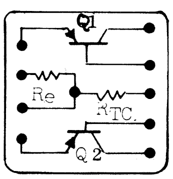
Z010



Z011

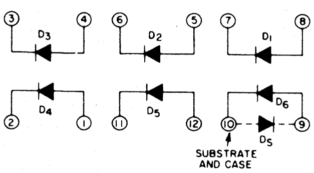


Z012

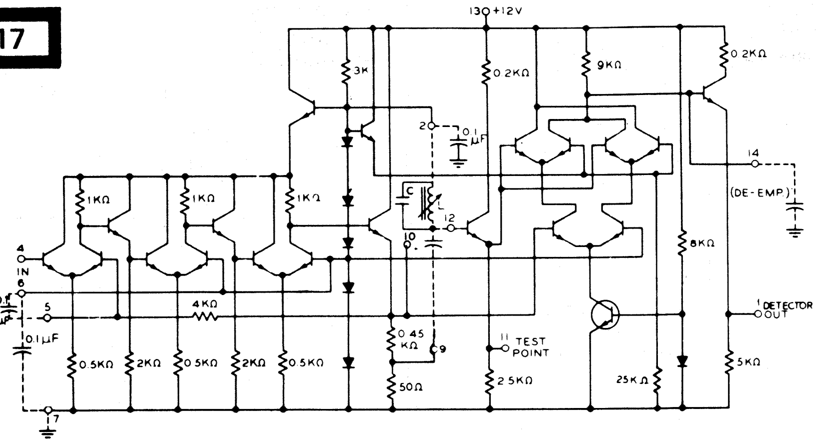


	TYPE TRANSISTORS Q1 AND Q2
751P	PNP
751N	NPN

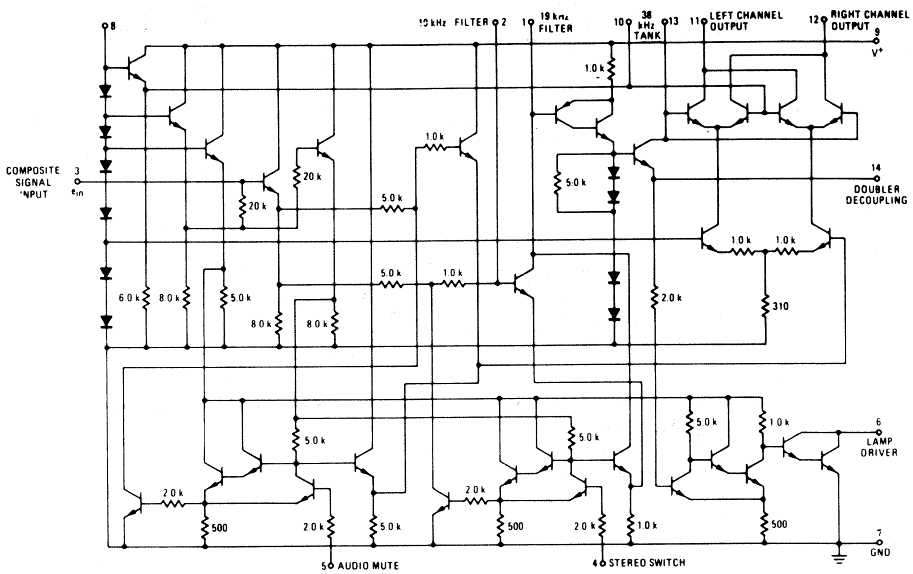
Z013



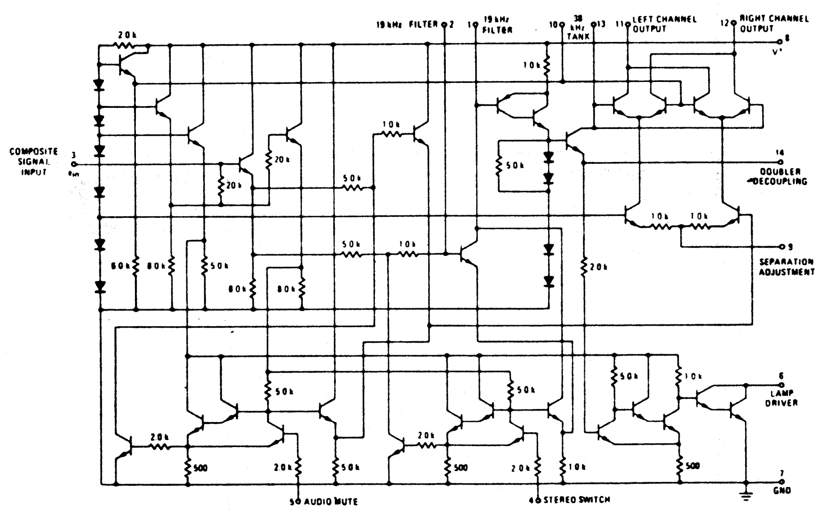
Z017



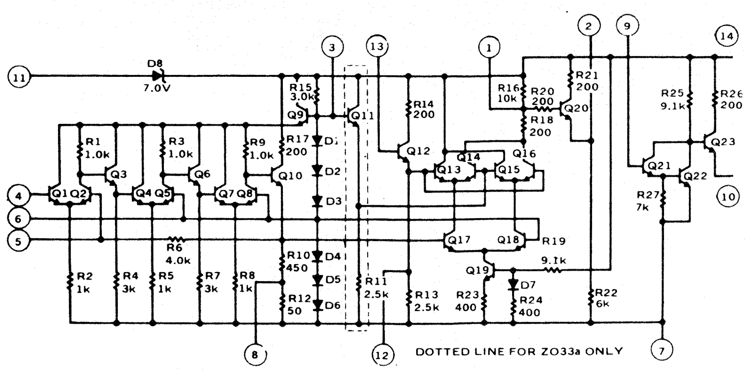
Z030



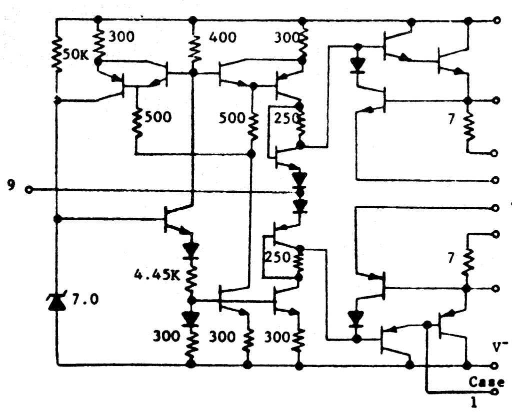
Z031



Z033

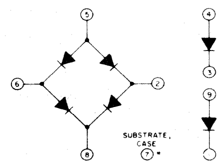


Z037



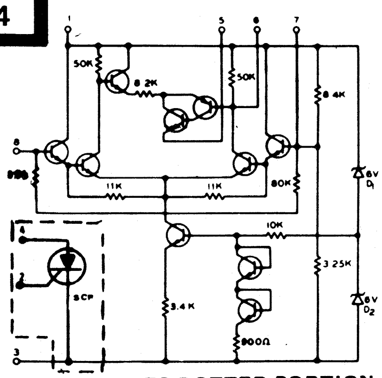
7-Positive Current Limit Adjust
6-Positive Output
5-Positive Current Sense
4-Negative Current Sense
3-Negative Output
2-Negative Current Limit Adjust

Z041



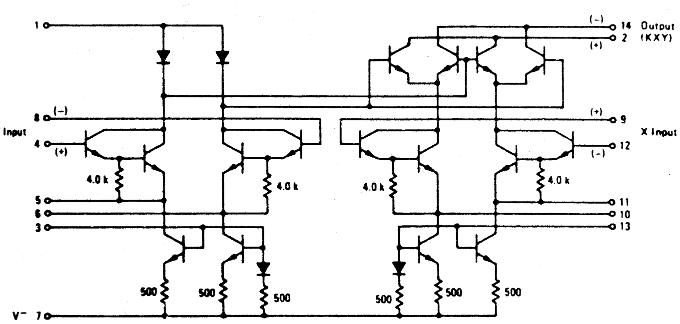
* Connect to most negative circuit potential.

Z044



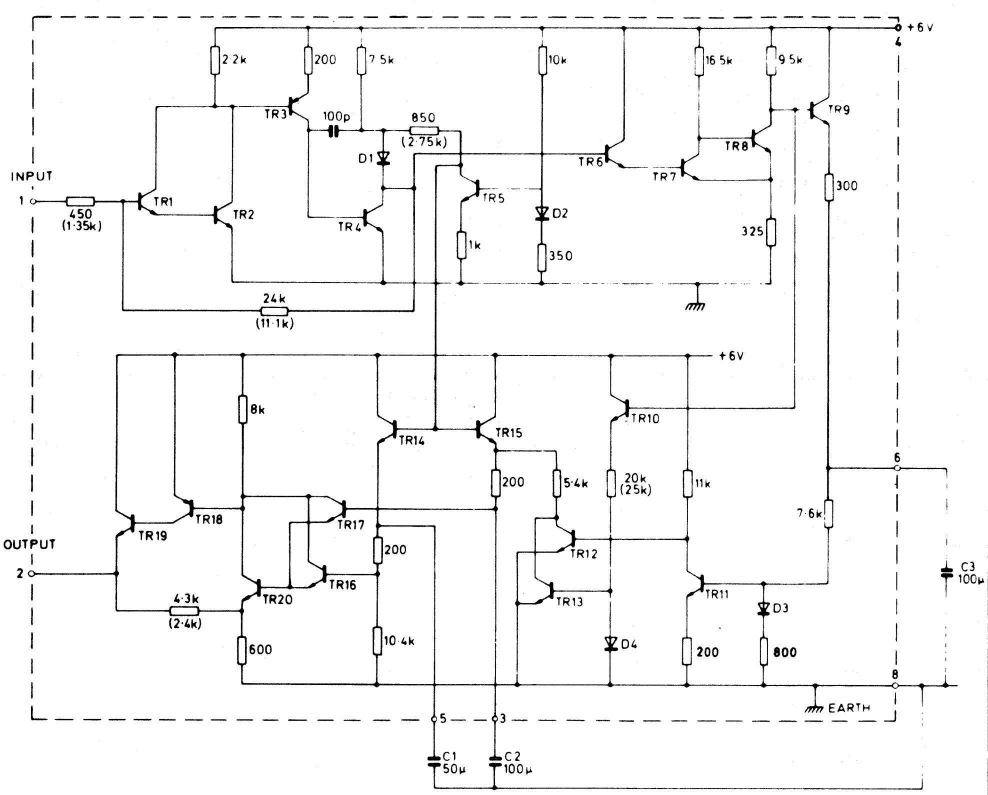
Z044a — INCLUDES DOTTED PORTION

Z045

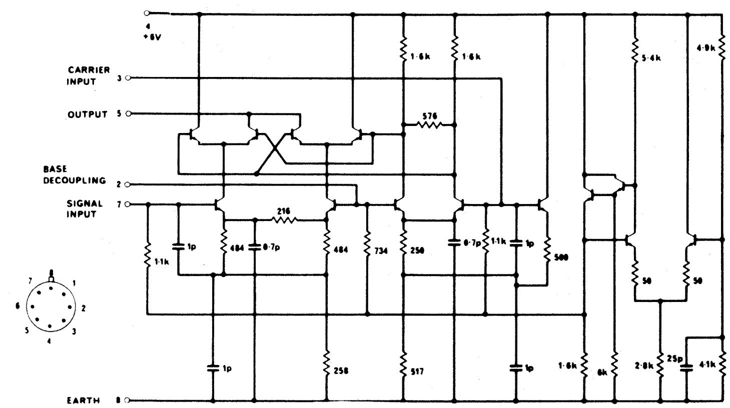


Z048

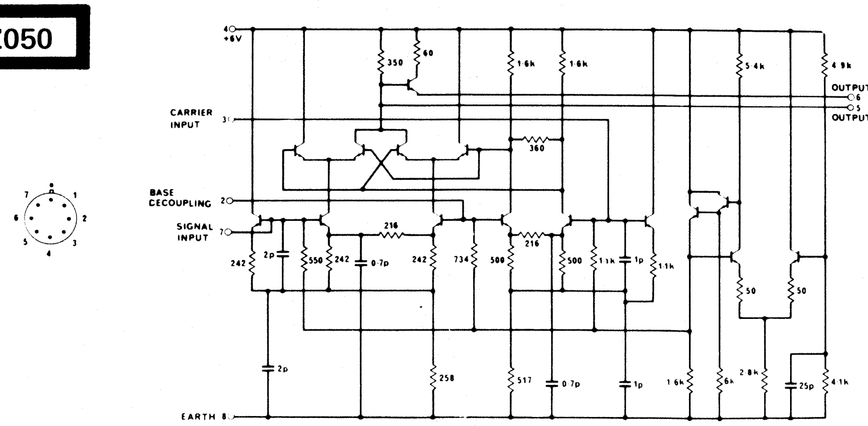
(Component values in brackets refer to **Z048a**



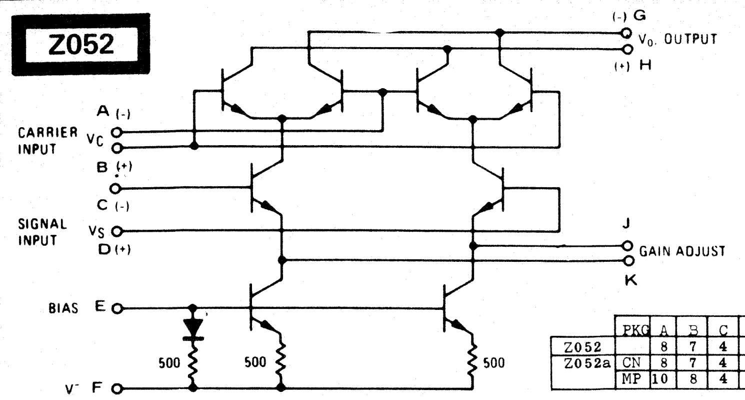
Z049



Z050

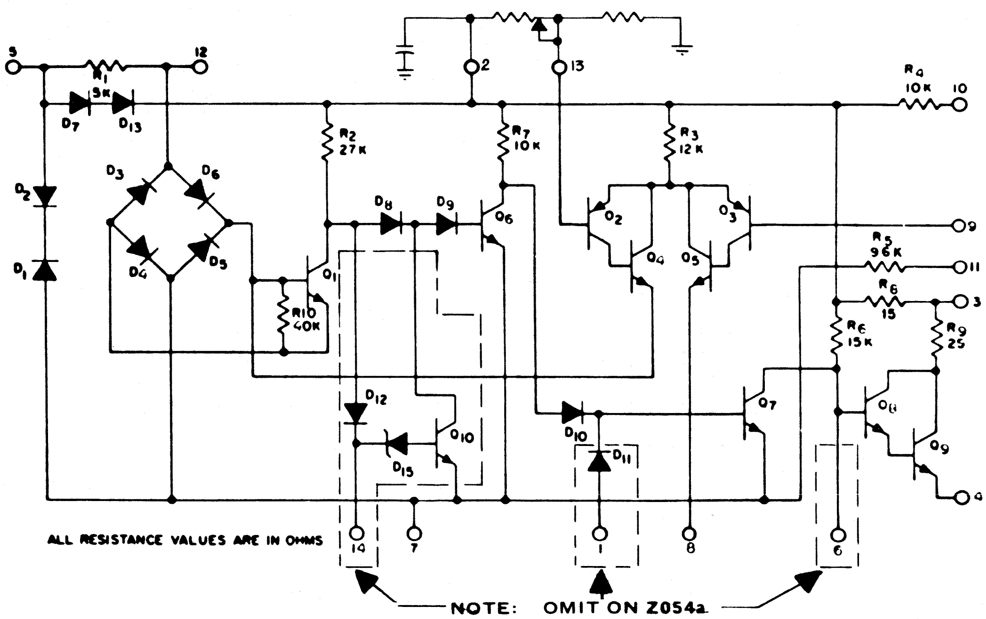


Z052

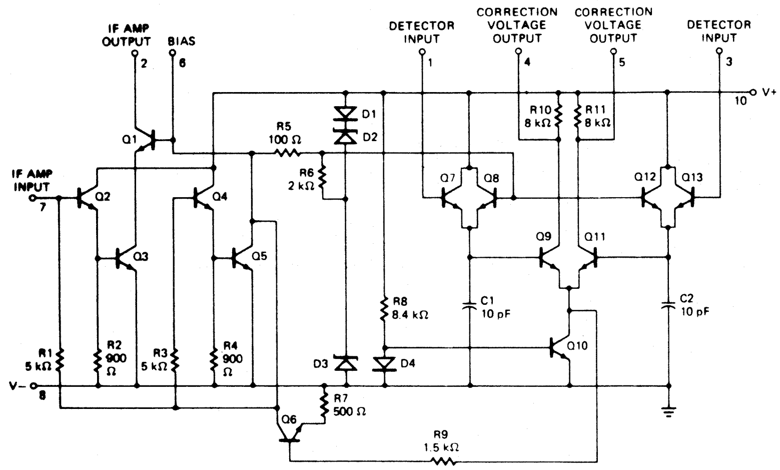


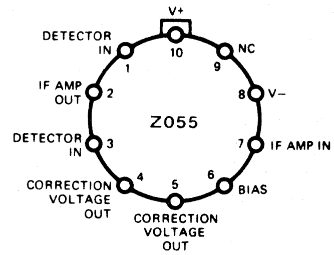
	PKG	A	B	C	D	E	F	G	H	J	K
Z052		8	7	4	1	5	10	9	6	2	3
Z052a	CN	8	7	4	1	5	10	9	6	2	3
	MP	10	8	4	1	5	14	12	6	2	3

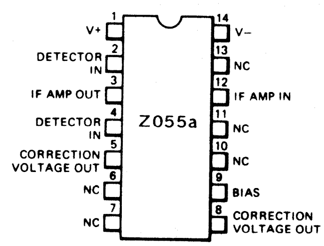
Z054



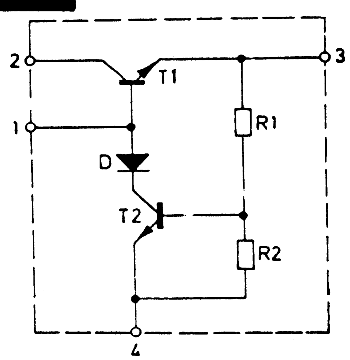
Z055



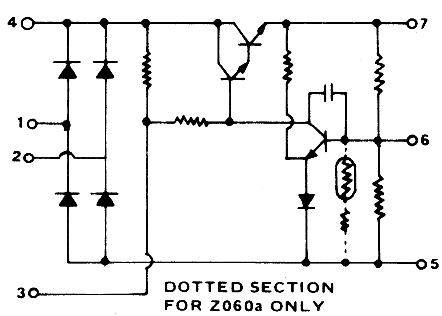




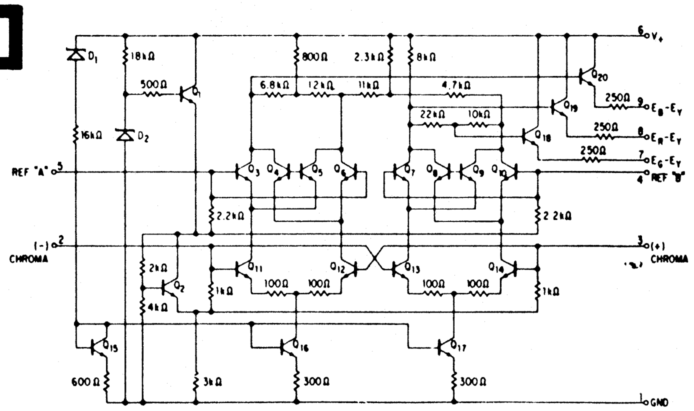
Z057



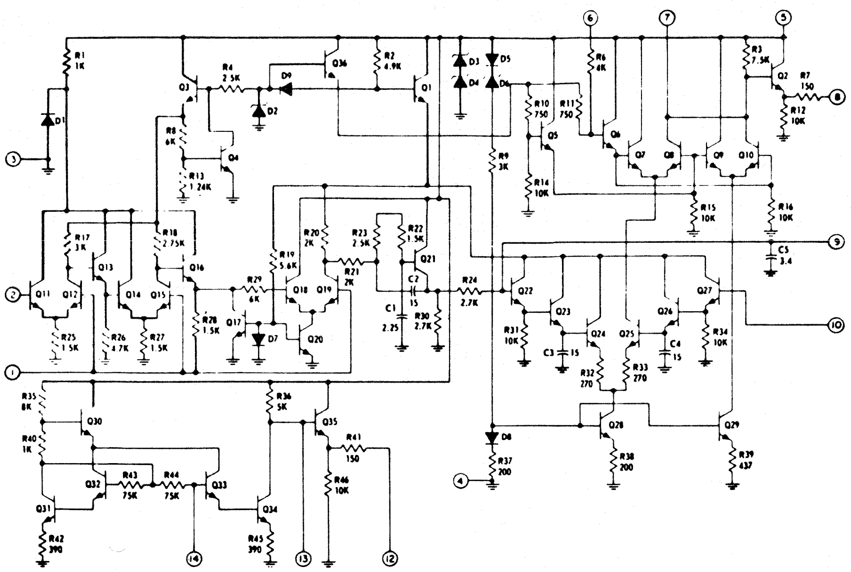
Z060



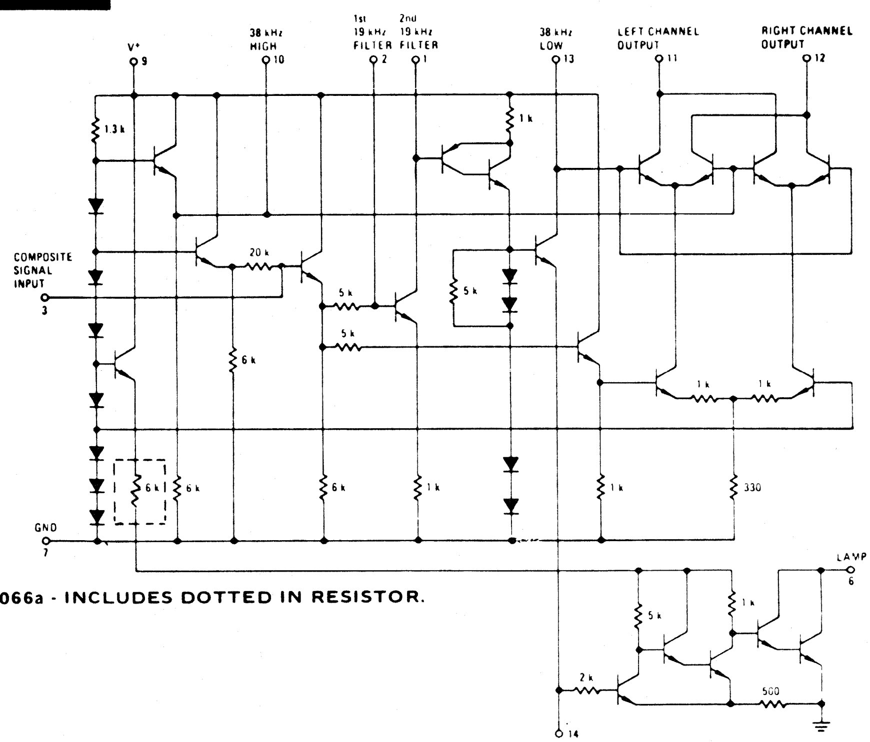
Z062



Z064

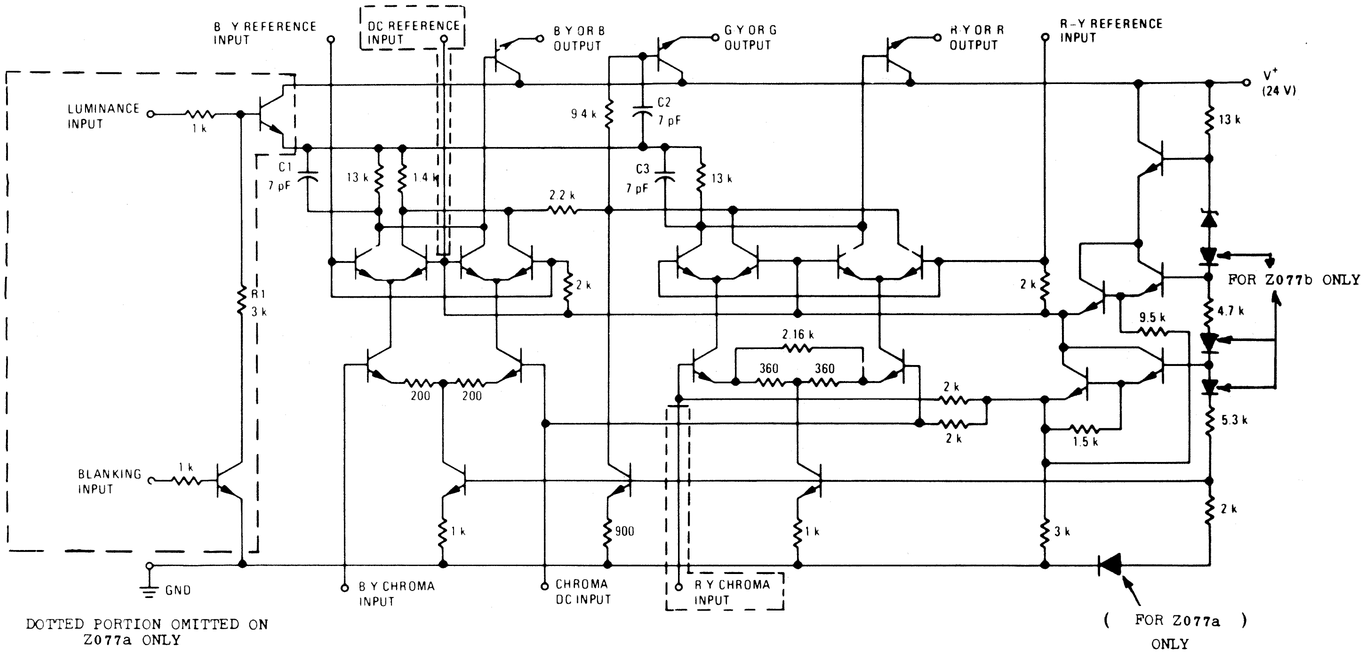


Z066

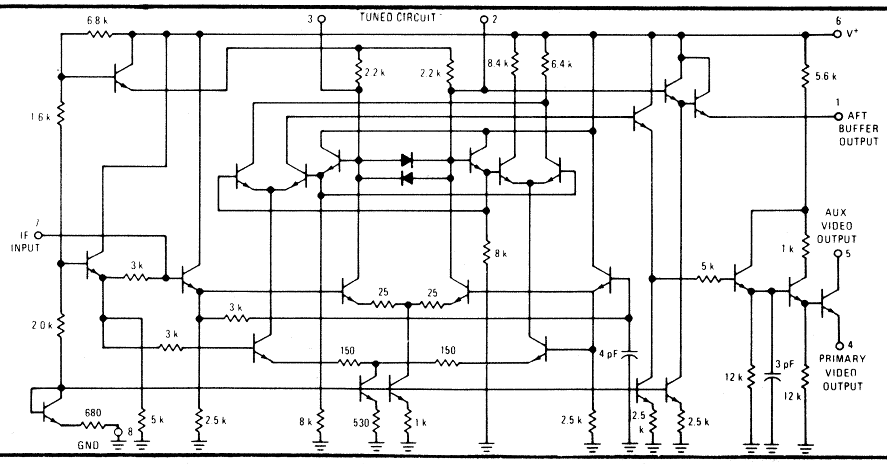


Z066a - INCLUDES DOTTED IN RESISTOR.

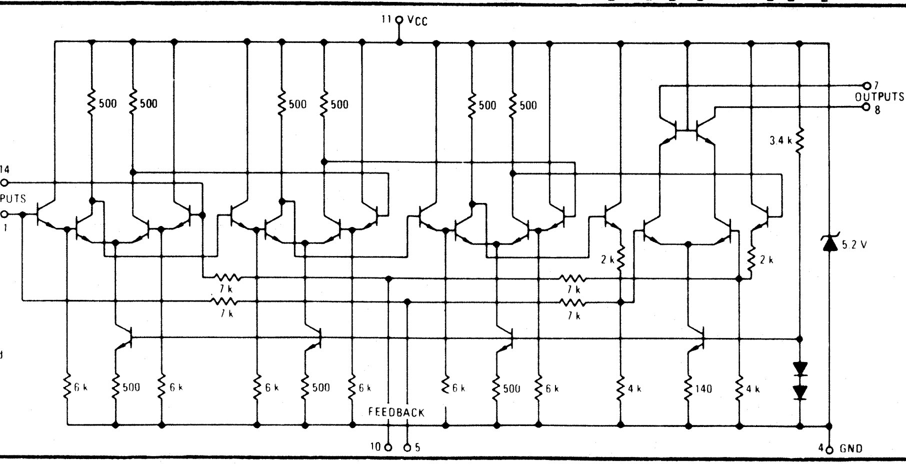
Z077



Z078

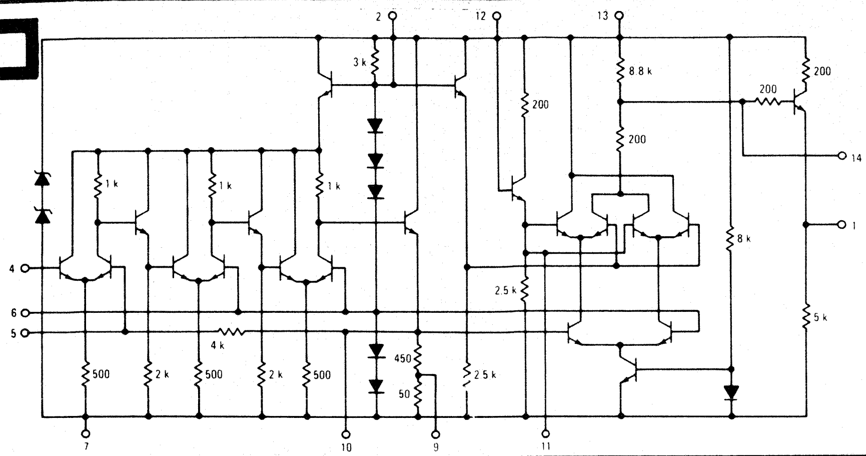


Z079

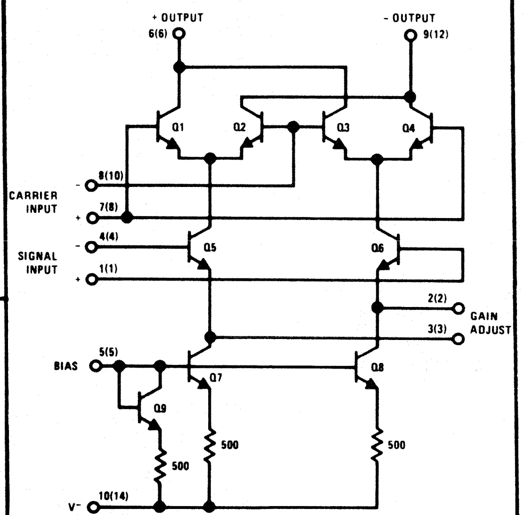


Pins 2, 3, 6, 9, 12, and 13 are not internally connected but should be grounded for maximum stability

Z080

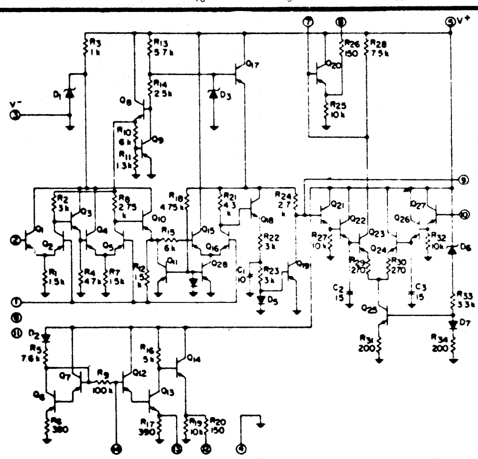


Z089

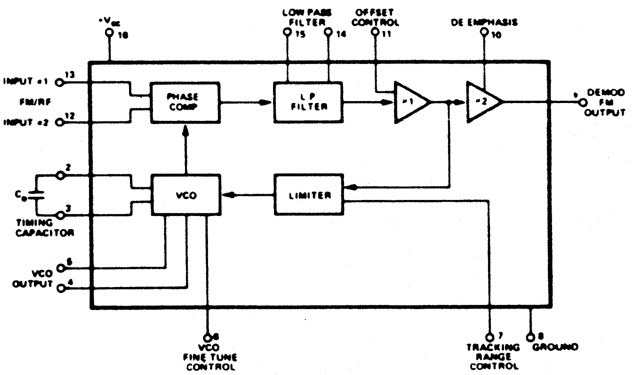


NOTE: NUMBERS IN PARENTHESES SHOW DIP CONNECTIONS

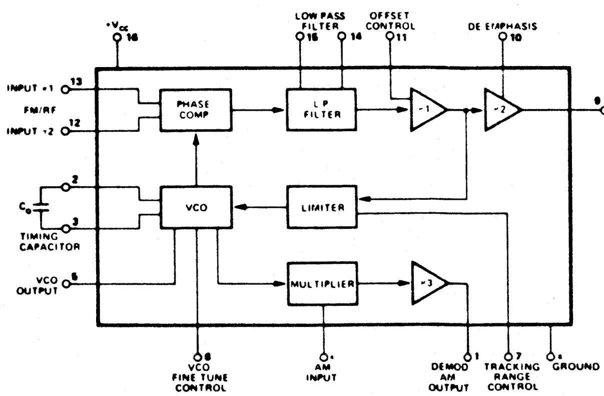
Z090



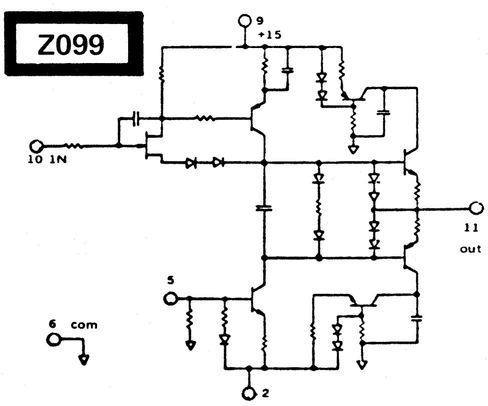
Z096



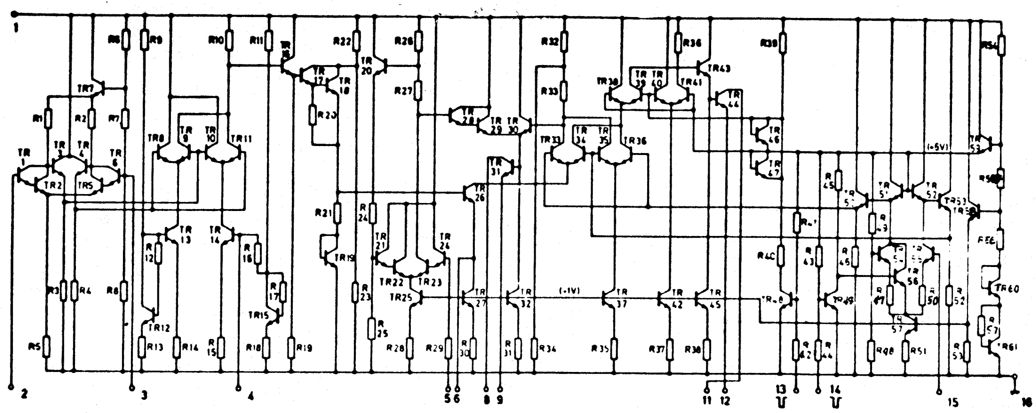
Z097



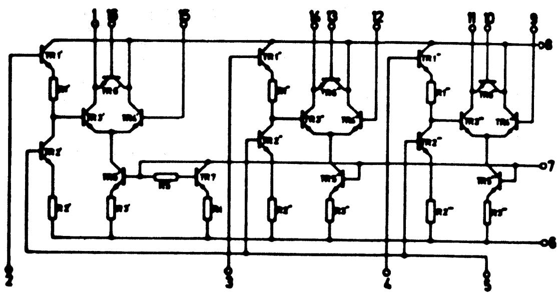
Z099



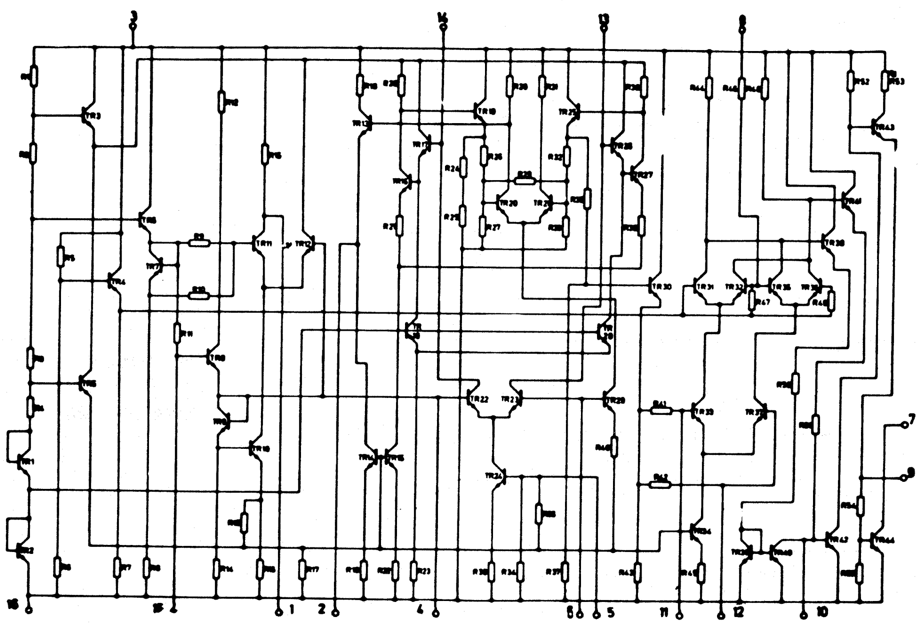
Z106



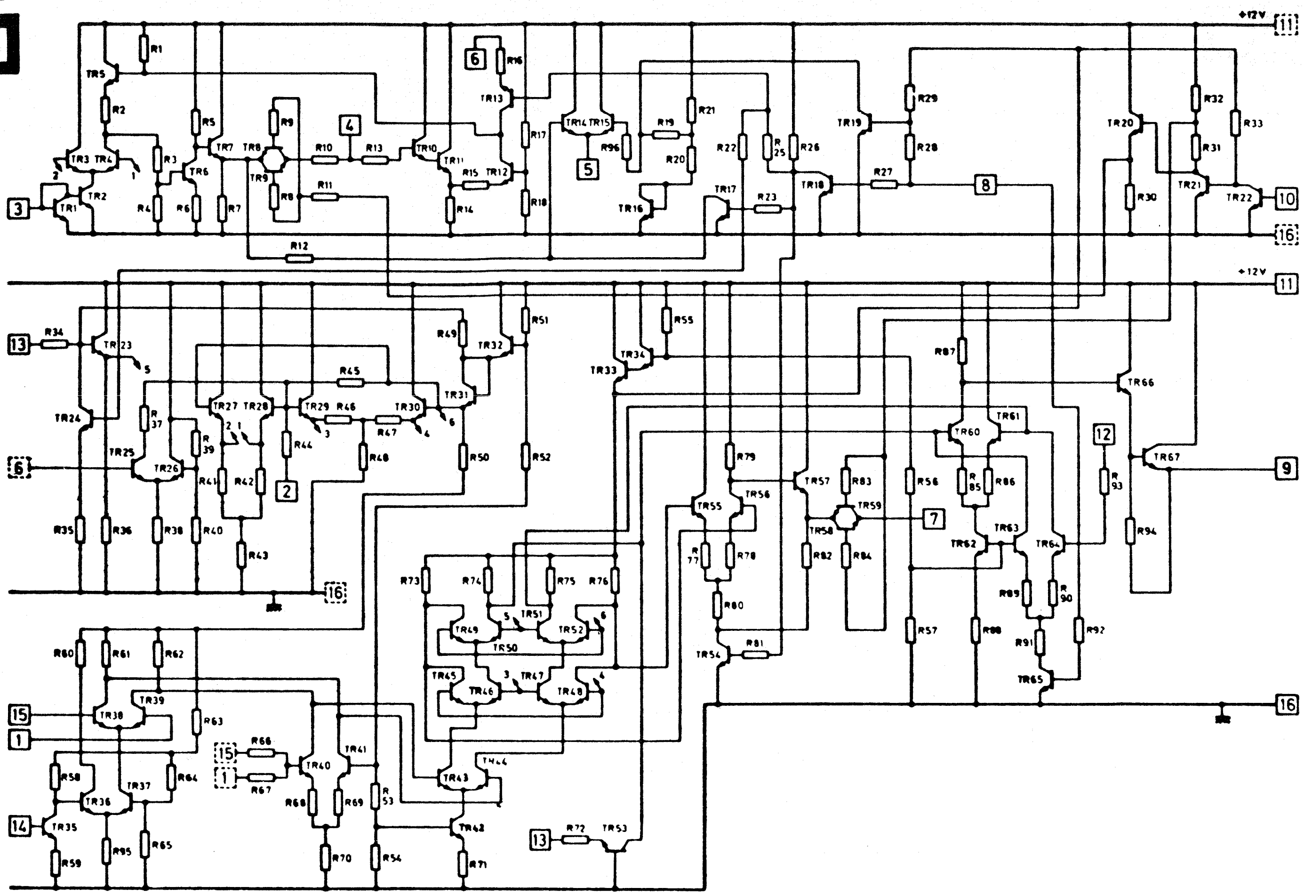
Z108



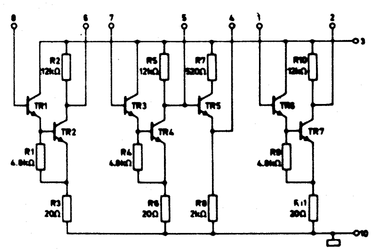
Z109



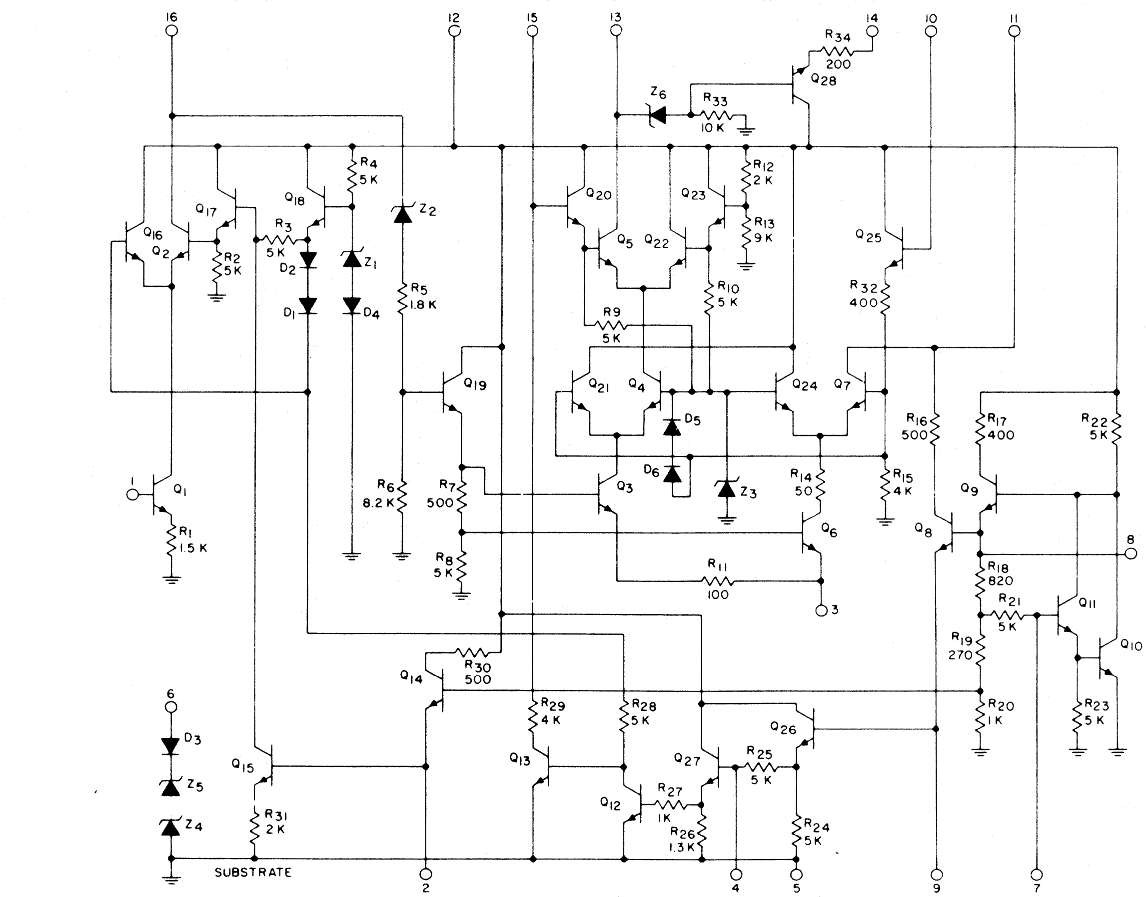
Z110


+12V
11
16
+12V
11
16
13
15
1
14
6
3
4
5
8
10
12
9
7
2
TR35
TR36
TR37
TR38
TR39
TR40
TR41
TR42
TR43
TR44
TR53
TR54
TR55
TR56
TR57
TR58
TR59
TR60
TR61
TR62
TR63
TR64
TR65
TR66
TR67
R60
R61
R62
R63
R64
R65
R66
R67
R68
R69
R70
R54
R71
R72
R59
R95

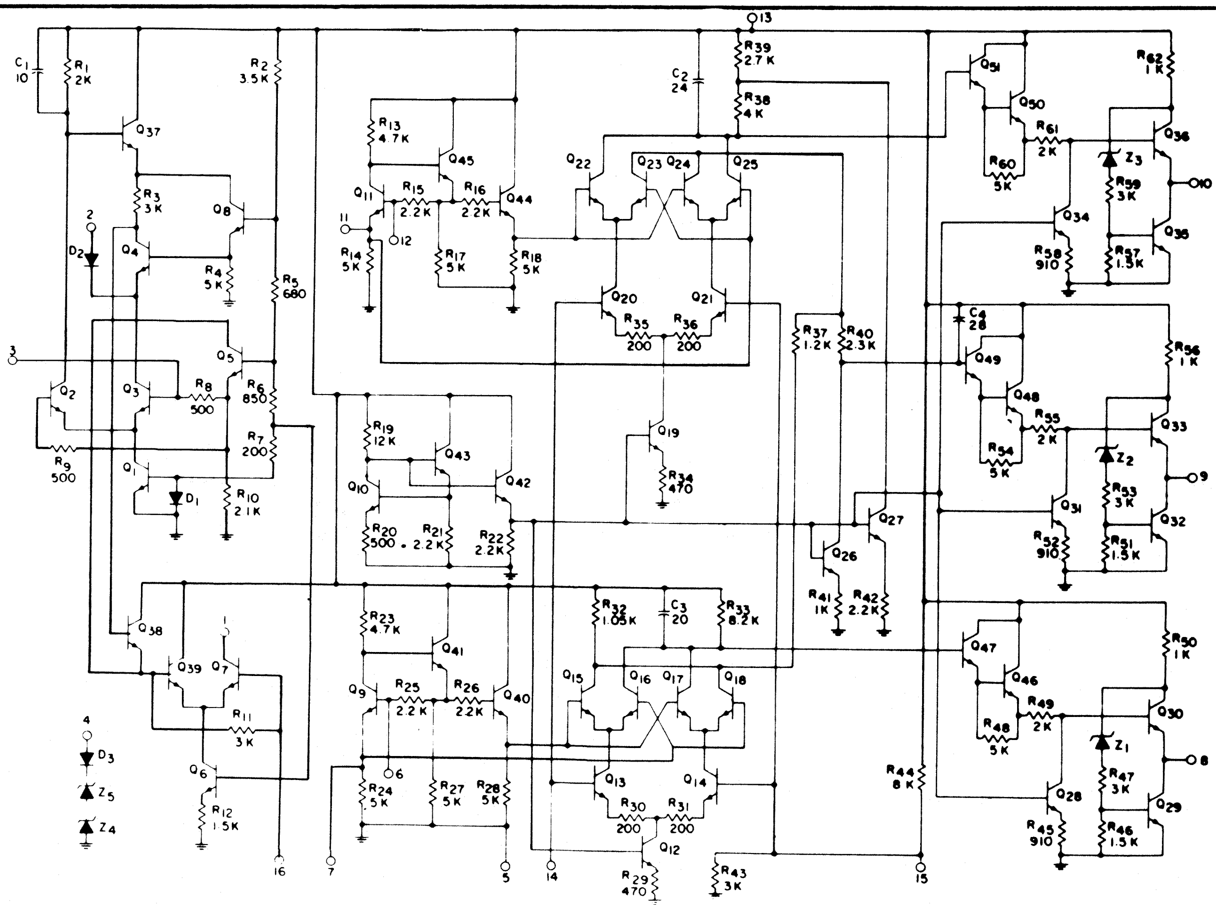
Z115


8
6
7
5
4
1
2
3
10
TR1
TR2
TR3
TR4
TR5
TR6
TR7
R2 12kΩ
R5 12kΩ
R7 520Ω
R10 12kΩ
R1 4.8kΩ
R4 4.8kΩ
R9 4.8kΩ
R3 20Ω
R6 20Ω
R8 2kΩ
R11 20Ω

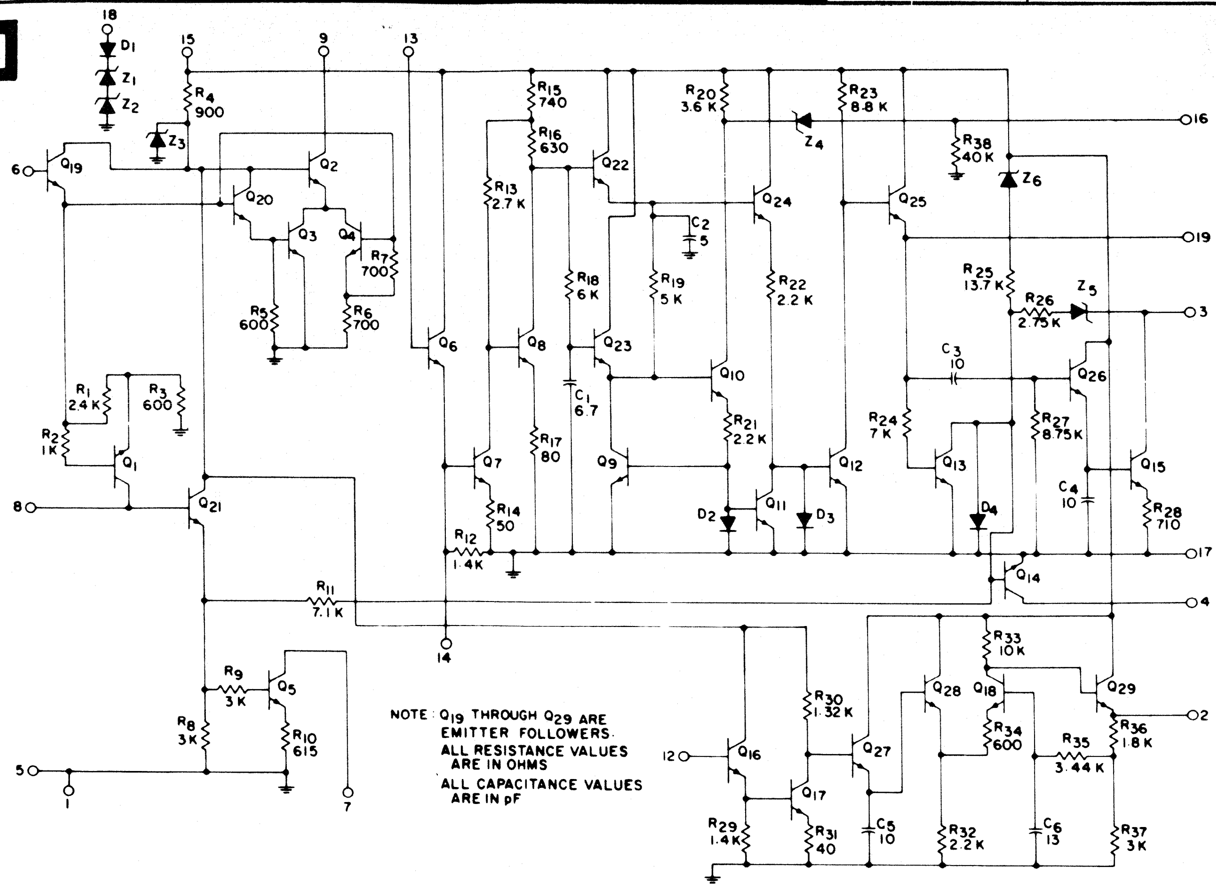
Z118


16
12
15
13
14
10
11
R34 200
Q28
Z6
R33 10K
R4 5K
R12 2K
Q16
Q2
Q17
R2 5K
Q18
R3 5K
D2
Z1
D1
D4
Z2
R5 1.8K
Q20
Q5
Q22
Q23
R13 9K
R10 5K
R9 5K
Q25
R32 400
Q19
Q21
Q4
D5
Q24
Q7
D6
Z3
Q3
R6 8.2K
R7 500
R8 5K
R16 500
R17 400
R22 5K
R14 50
R15 4K
Q9
Q8
Q6
1
Q1
R1 1.5K
R11 100
3
8
R18 820
R21 5K
Q11
Q10
R19 270
R20 1K
R23 5K
Q14
R30 500
R29 4K
R28 5K
Q26
6
D3
Z5
Z4
Q15
R31 2K
Q13
Q27
R25 5K
Q12
R27 1K
R26 1.3K
R24 5K
SUBSTRATE
2
4
5
9
7

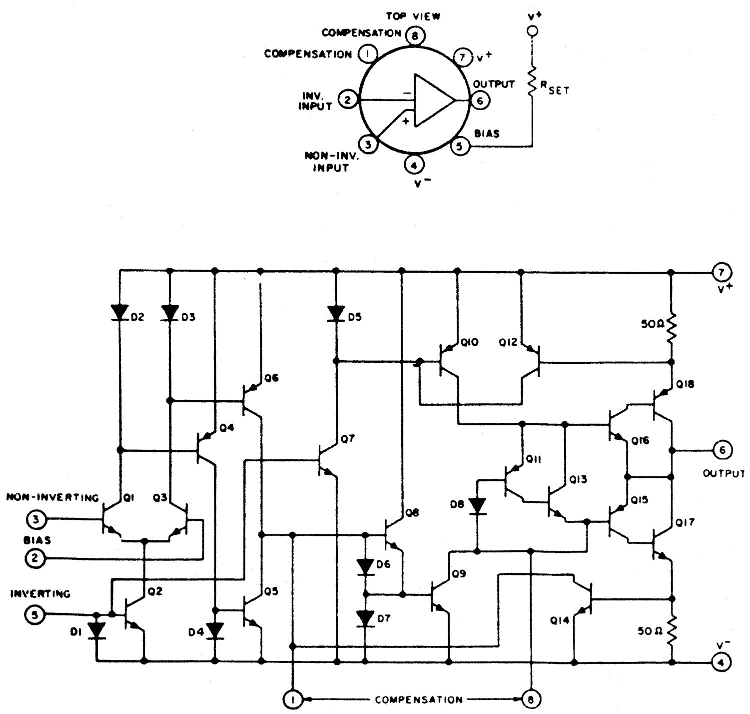
Z119


C1 10
R1 2K
Q37
R2 3.5K
R3 3K
Q8
2
D2
Q4
R4 5K
R5 680
3
Q5
Q2
Q3
R8 500
R6 850
R7 200
R9 500
Q1
D1
R10 2.1K
Q38
Q39
Q7
R11 3K
Q6
R12 1.5K
4
D3
Z5
Z4
16
7
R13 4.7K
Q45
Q11
R15 2.2K
R16 2.2K
Q44
11
12
R14 5K
R17 5K
R18 5K
R19 12K
Q43
Q10
Q42
R20 500
R21 2.2K
R22 2.2K
R23 4.7K
Q41
Q9
R25 2.2K
R26 2.2K
Q40
6
R24 5K
R27 5K
R28 5K
5
13
R39 2.7K
C2 24
R38 4K
Q22
Q23
Q24
Q25
Q20
Q21
R35 200
R36 200
Q19
R34 470
R37 1.2K
R40 2.3K
Q27
Q26
R41 1K
R42 2.2K
R32 1.05K
C3 20
R33 8.2K
Q15
Q16
Q17
Q18
Q13
Q14
R30 200
R31 200
Q12
R29 470
14
R43 3K
R44 8K
15
Q51
Q50
R62 1K
R61 2K
R60 5K
Q36
Z3
R59 3K
10
Q34
Q35
R58 910
R57 1.5K
C4 28
R56 1K
Q49
Q48
R55 2K
R54 5K
Q33
Z2
9
R53 3K
Q31
Q32
R52 910
R51 1.5K
Q47
R50 1K
Q46
R49 2K
R48 5K
Q30
Z1
8
R47 3K
Q28
Q29
R45 910
R46 1.5K

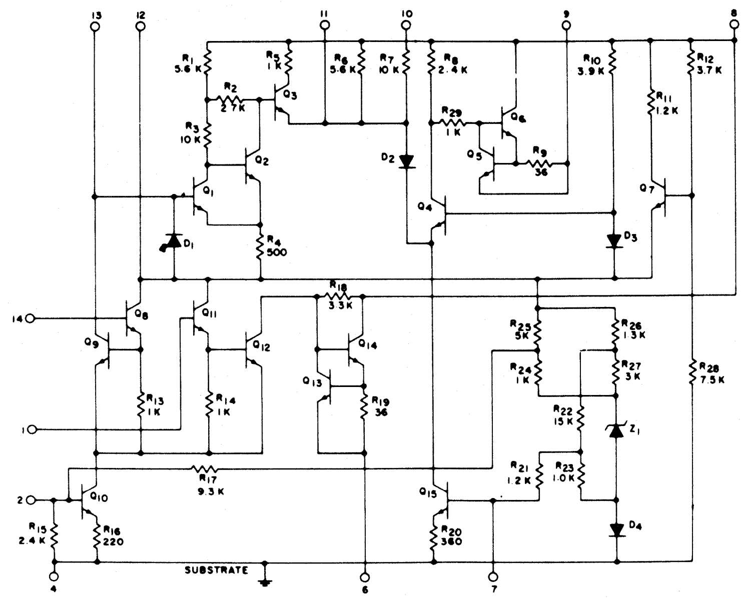
Z120


NOTE: Q19 THROUGH Q29 ARE EMITTER FOLLOWERS.
ALL RESISTANCE VALUES ARE IN OHMS
ALL CAPACITANCE VALUES ARE IN pF

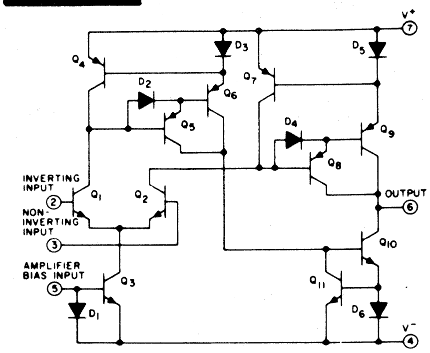
Z122


TOP VIEW
COMPENSATION
COMPENSATION
V+
INV. INPUT
OUTPUT
NON-INV. INPUT
BIAS
V−
RSET
NON-INVERTING
BIAS
INVERTING
OUTPUT
COMPENSATION

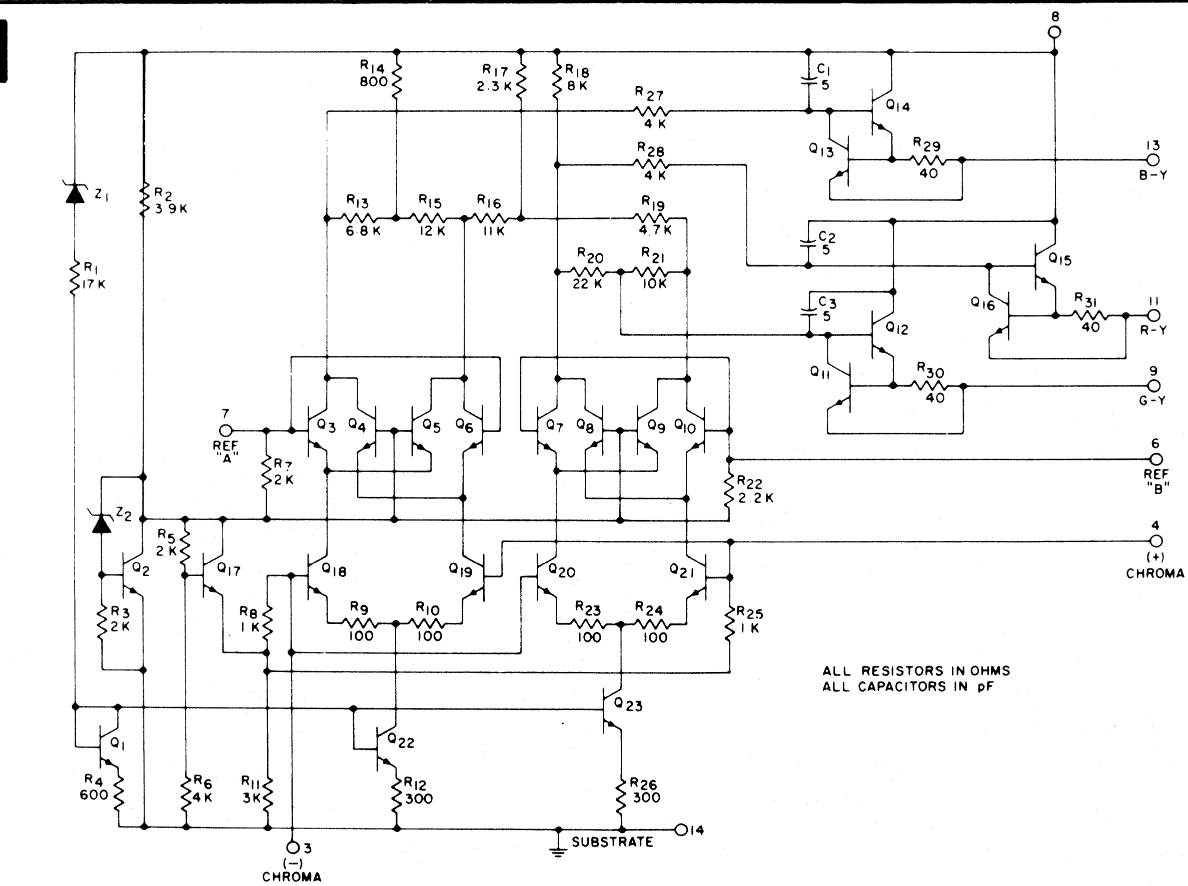
Z123



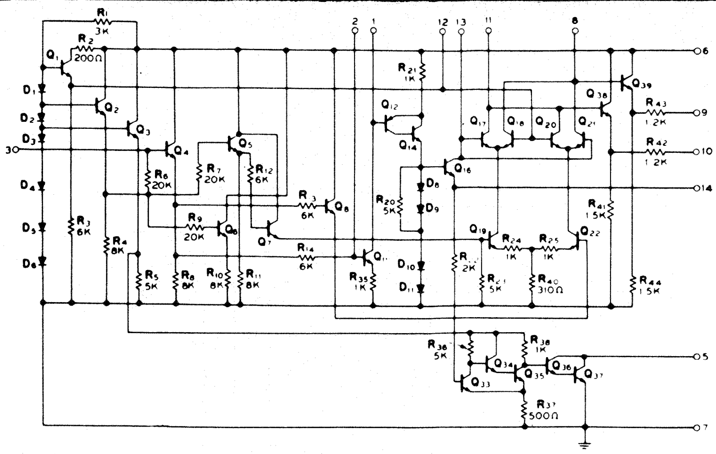
Z124



Z125

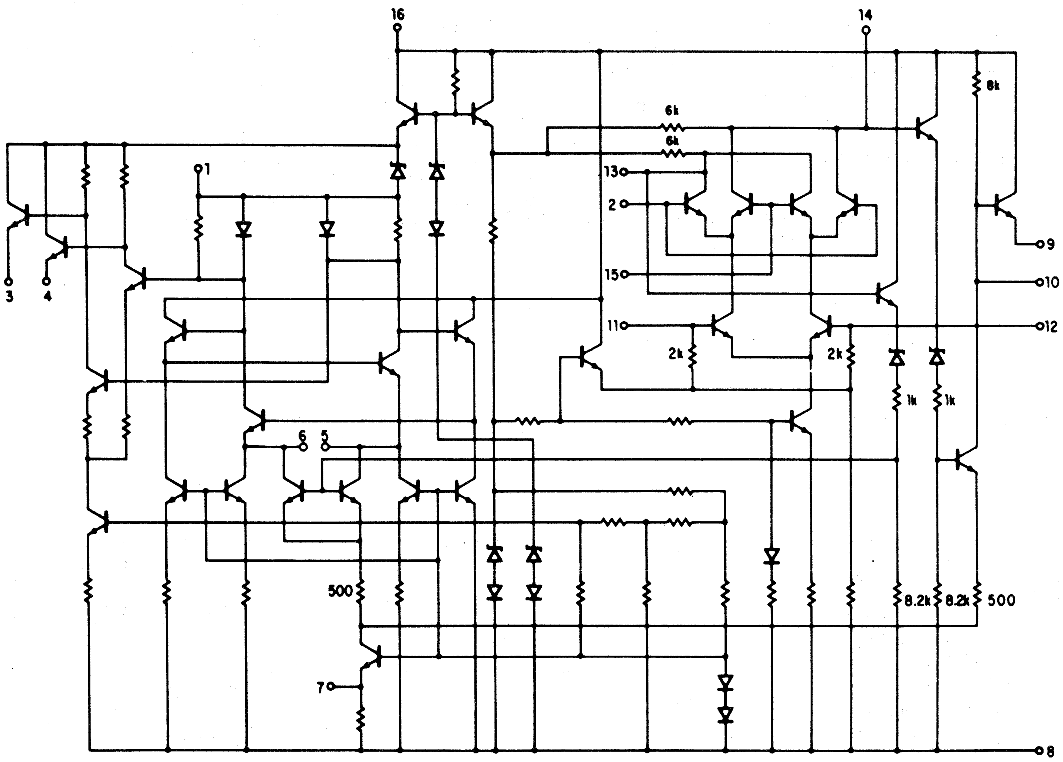


Z132



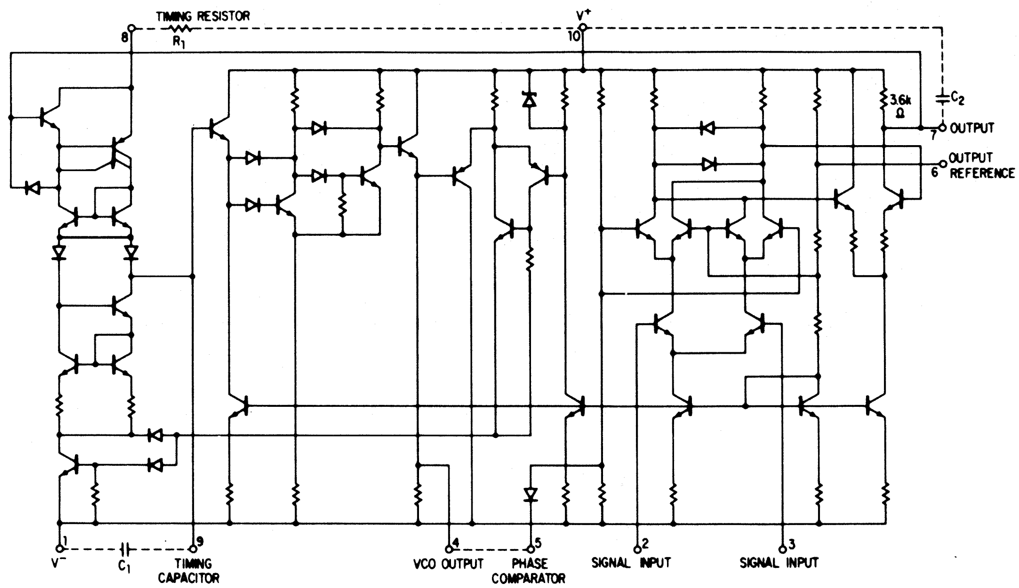
R1 3K
R2 200Ω
Q1
Q2
Q3
Q4
Q5
D1
D2
D3
D4
D5
D6
R6 20K
R7 20K
R12 6K
R3 6K
R4 8K
R5 5K
R9 20K
R8 8K
R10 8K
R11 8K
Q6
Q7
Q8
R14 6K
Q11
R35 1K
R21 1K
Q12
Q14
Q16
D8
D9
R20 5K
D10
D11
Q17
Q18
Q20
Q21
Q38
Q39
R43 1.2K
R42 1.2K
R41 1.5K
Q19
R24 1K
R25 1K
Q22
R40 310Ω
R44 1.5K
R36 5K
R38 1K
Q33
Q34
Q35
Q36
Q37
R37 500Ω
2
1
12
13
11
8
6
9
10
14
3
5
7

Z134

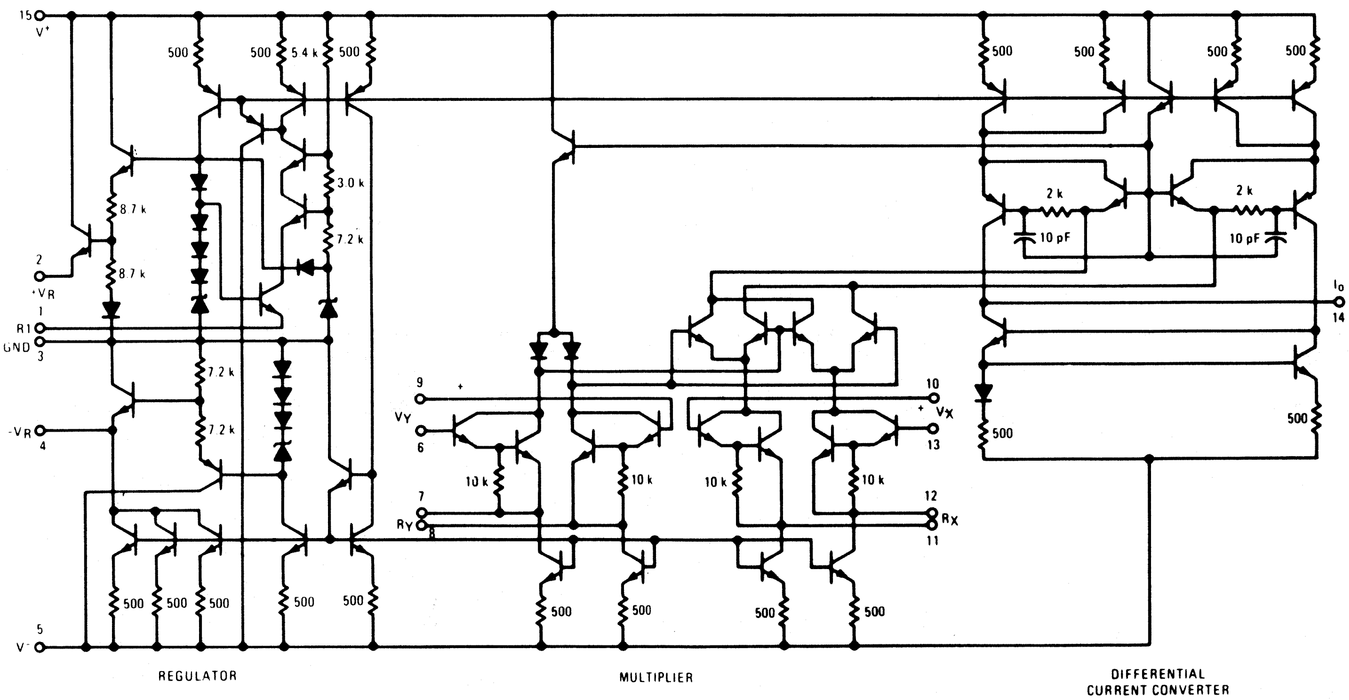


16
14
6k
6k
6k
1
13
2
15
11
3
4
9
10
12
2k
2k
1k
1k
6
5
500
8.2k
8.2k
500
7
8

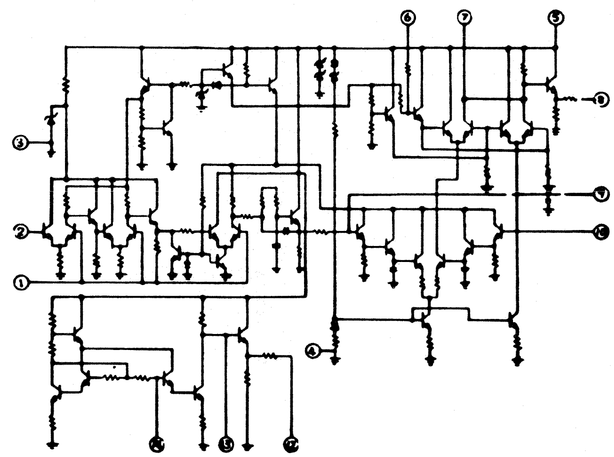
Z135


TIMING RESISTOR
R_1
8
V^+
10
3.6k Ω
C_2
7 OUTPUT
6 OUTPUT REFERENCE
1
V^-
C_1
9 TIMING CAPACITOR
4 VCO OUTPUT
5 PHASE COMPARATOR
2 SIGNAL INPUT
3 SIGNAL INPUT

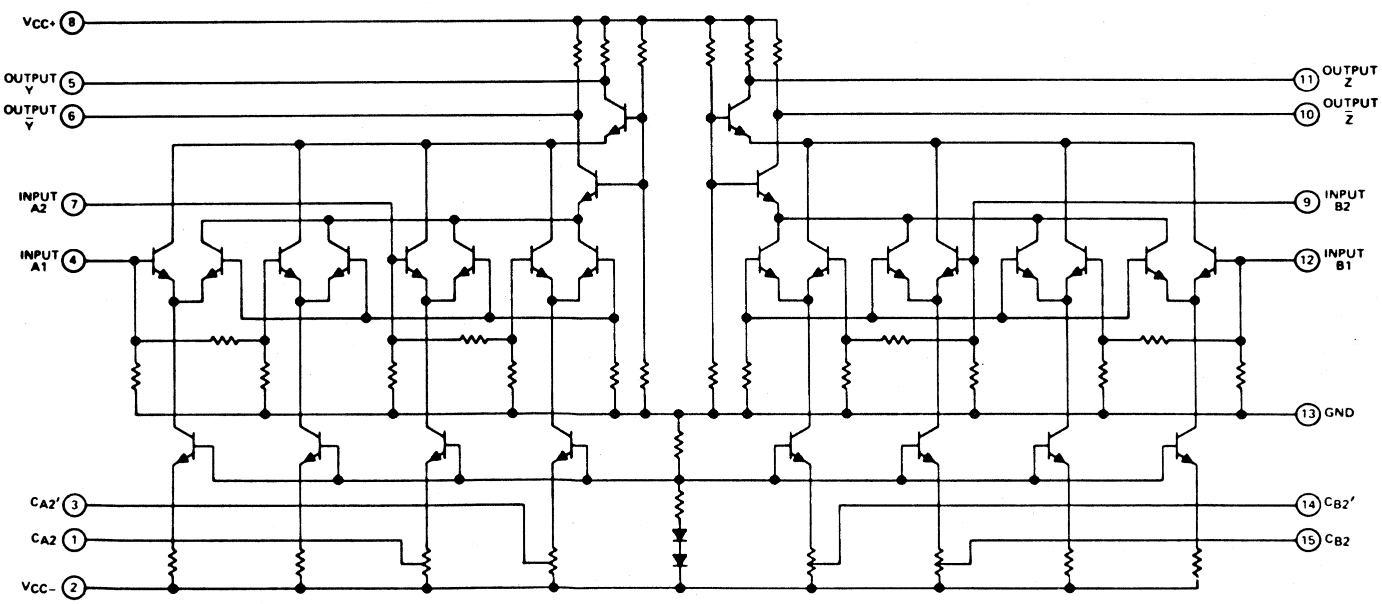
Z136


15 V+
500
5.4 k
3.0 k
7.2 k
8.7 k
2 +VR
1 R1
GND 3
-VR 4
5 V-
9
VY 6
7
RY 8
10
VX 13
12
RX 11
10 k
2 k
10 pF
Io 14
REGULATOR
MULTIPLIER
DIFFERENTIAL CURRENT CONVERTER

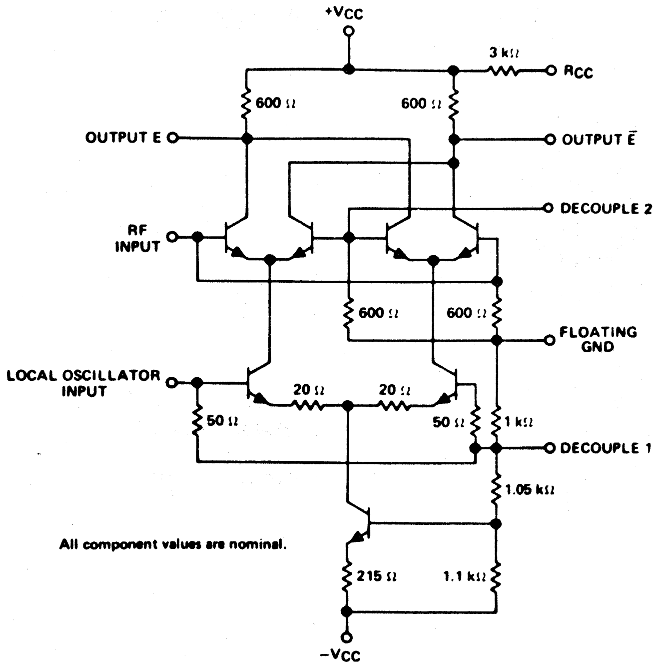
Z142



Z143


VCC+ 8
OUTPUT Y 5
OUTPUT $\bar{Y}$ 6
INPUT A2 7
INPUT A1 4
CA2' 3
CA2 1
VCC– 2
11 OUTPUT Z
10 OUTPUT $\bar{Z}$
9 INPUT B2
12 INPUT B1
13 GND
14 CB2'
15 CB2

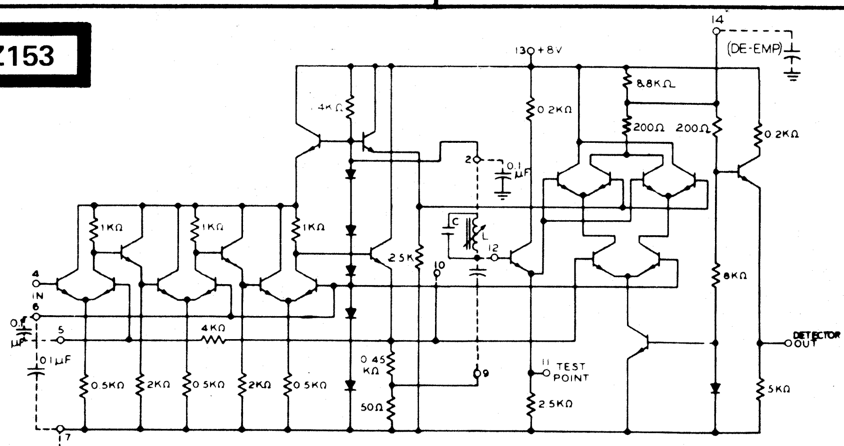
Z144



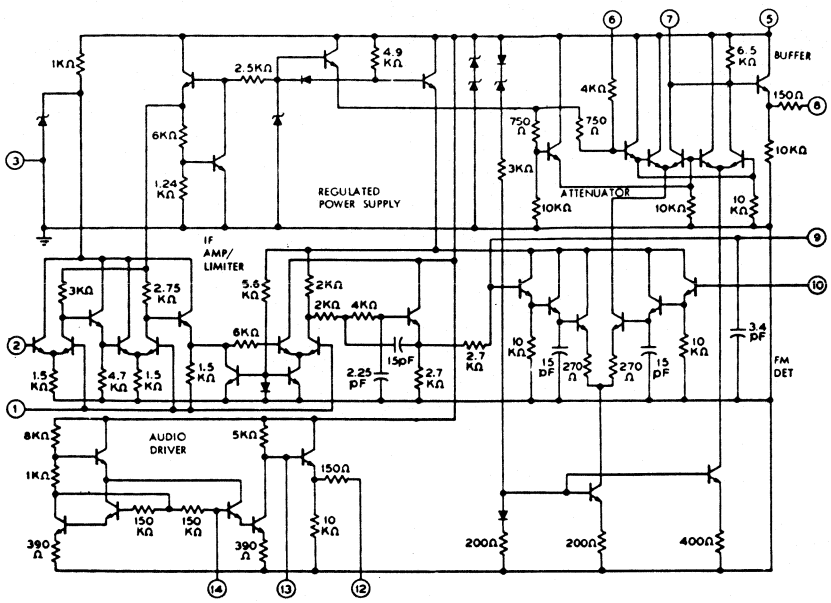
All component values are nominal.

	PKG	VI	V-	OUTPUT E	OUTPUT Ē	FLOAT COM	LOCAL OSC. IN	DECOUPLE 1	DECOUPLE 2	RF IN	RCC
Z144	TO100	1	5	2	10	3	4	6	7	8	9
	MP	2	6	3	13	4	5	9	10	11	12

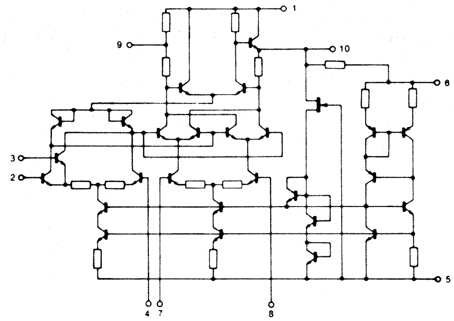
Z153



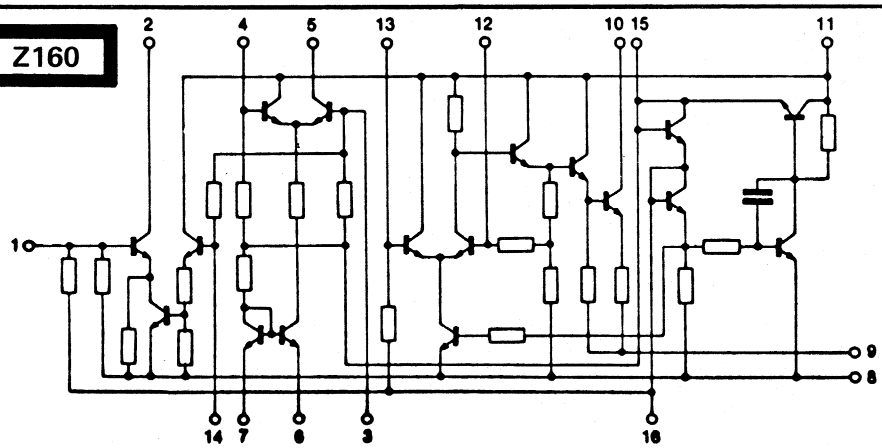
Z157



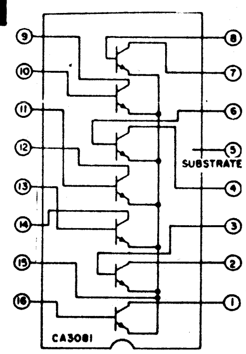
Z158



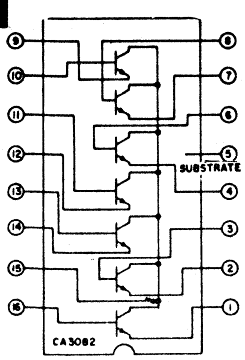
Z160



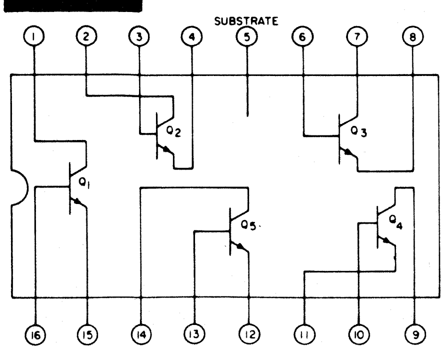
Z161



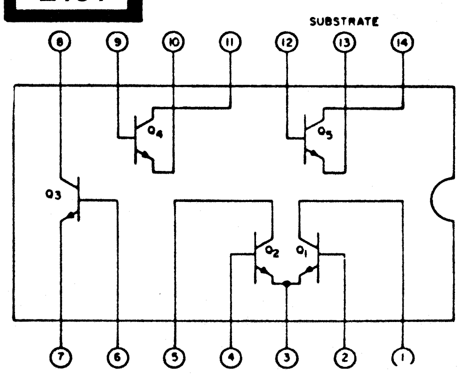
Z162



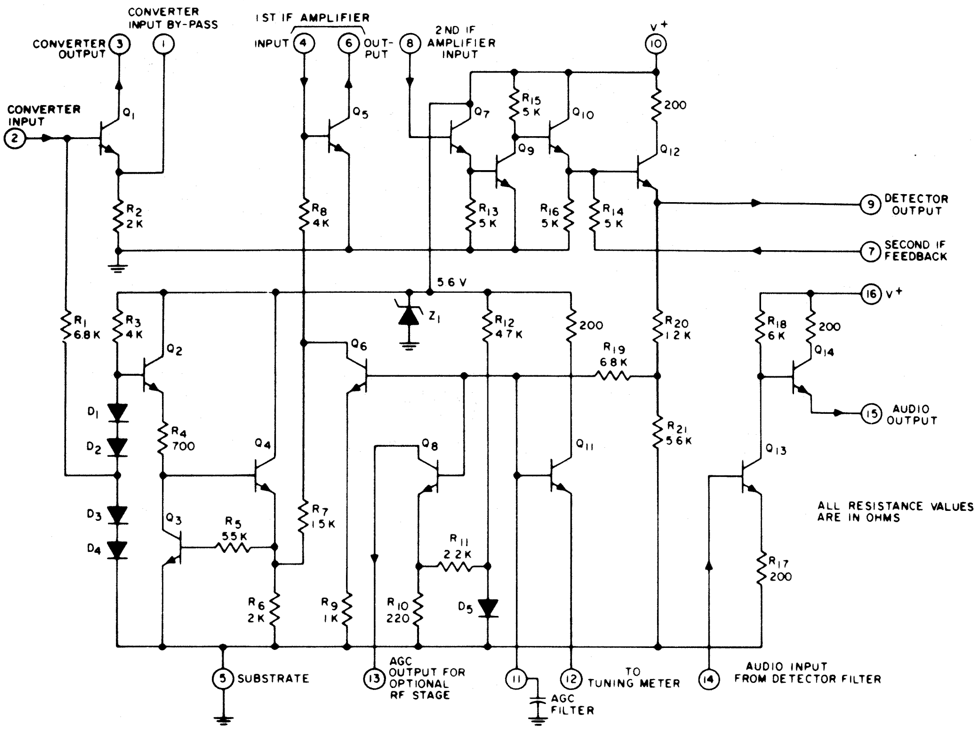
Z163



Z164

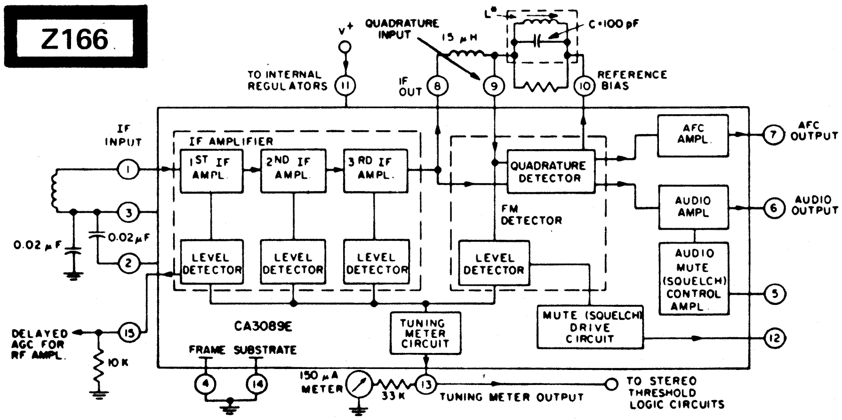


Z165



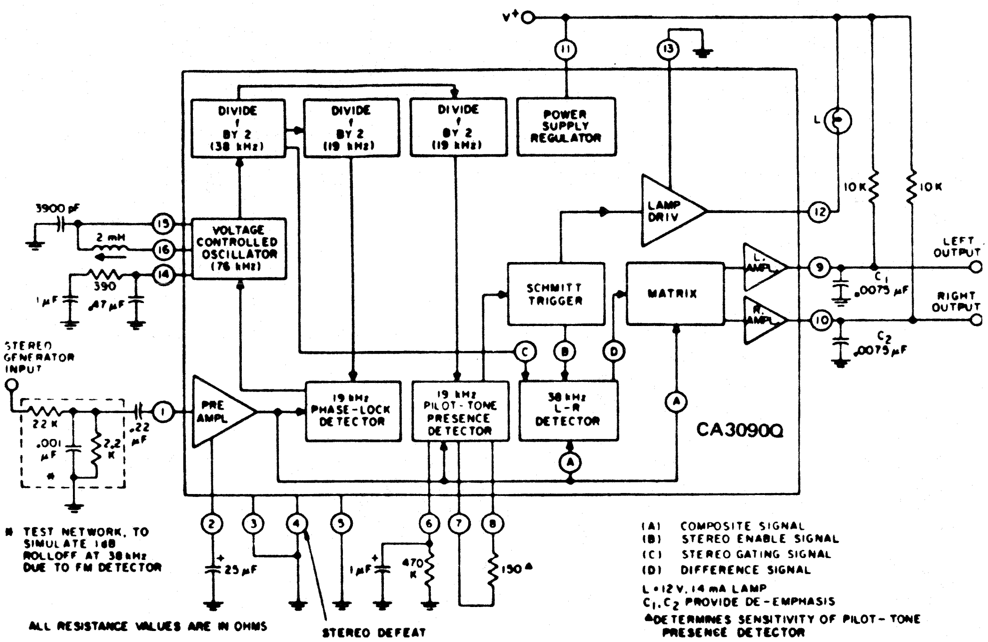
CONVERTER INPUT BY-PASS
CONVERTER OUTPUT
CONVERTER INPUT
1ST IF AMPLIFIER
INPUT
OUT-PUT
2ND IF AMPLIFIER INPUT
V+
DETECTOR OUTPUT
SECOND IF FEEDBACK
5.6 V
AUDIO OUTPUT
ALL RESISTANCE VALUES ARE IN OHMS
SUBSTRATE
AGC OUTPUT FOR OPTIONAL RF STAGE
AGC FILTER
TO TUNING METER
AUDIO INPUT FROM DETECTOR FILTER

Z166



V+
QUADRATURE INPUT
15 μH
C=100 pF
TO INTERNAL REGULATORS
IF OUT
REFERENCE BIAS
IF INPUT
IF AMPLIFIER
1ST IF AMPL.
2ND IF AMPL.
3RD IF AMPL.
QUADRATURE DETECTOR
FM DETECTOR
AFC AMPL.
AFC OUTPUT
AUDIO AMPL.
AUDIO OUTPUT
AUDIO MUTE (SQUELCH) CONTROL AMPL.
LEVEL DETECTOR
0.02 μF
0.02 μF
DELAYED AGC FOR RF AMPL.
10 K
CA3089E
TUNING METER CIRCUIT
MUTE (SQUELCH) DRIVE CIRCUIT
FRAME SUBSTRATE
150 μA METER
33 K
TUNING METER OUTPUT
TO STEREO THRESHOLD LOGIC CIRCUITS

Z167

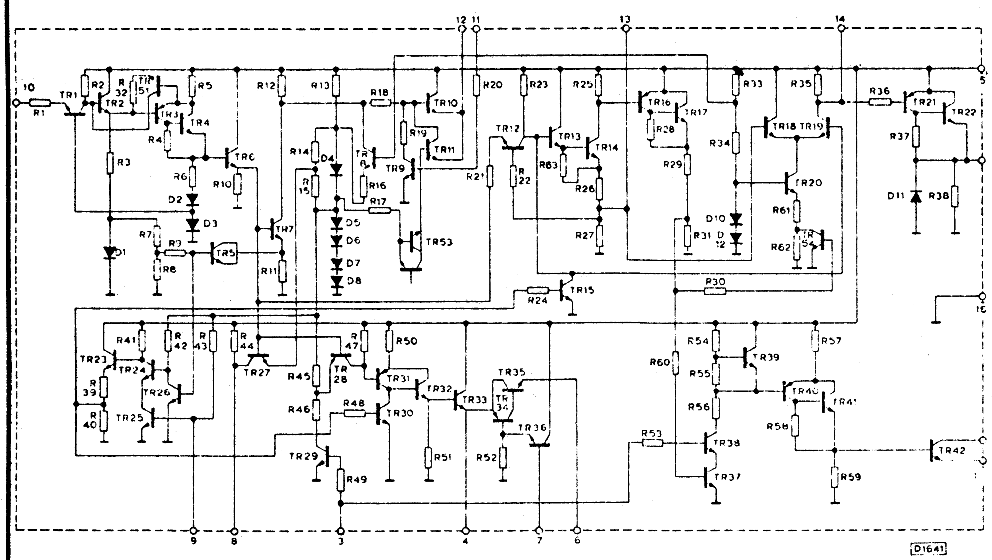


* TEST NETWORK, TO SIMULATE 1dB ROLLOFF AT 38 kHz DUE TO FM DETECTOR

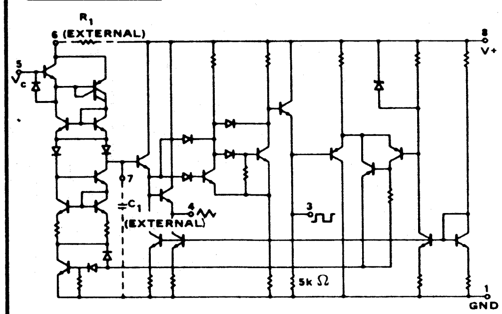
ALL RESISTANCE VALUES ARE IN OHMS

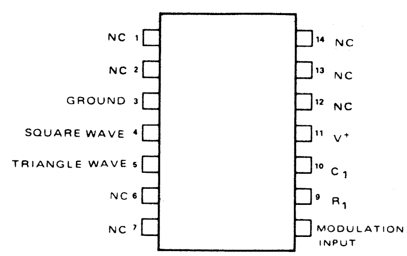
(A) COMPOSITE SIGNAL
(B) STEREO ENABLE SIGNAL
(C) STEREO GATING SIGNAL
(D) DIFFERENCE SIGNAL
L = 12 V, 14 mA LAMP
C_1, C_2 PROVIDE DE-EMPHASIS
▲ DETERMINES SENSITIVITY OF PILOT-TONE PRESENCE DETECTOR

Z170



Z171



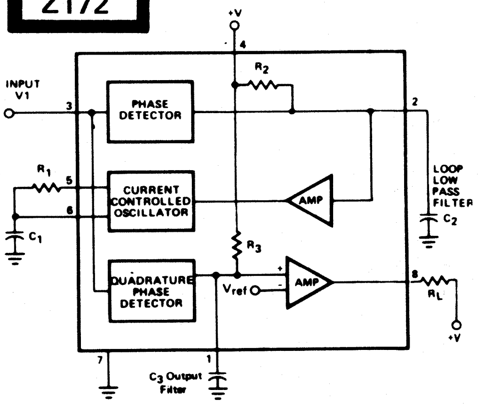


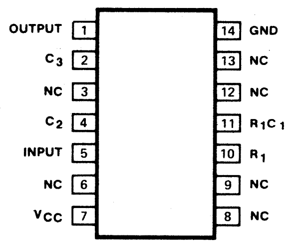
Z171a

13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

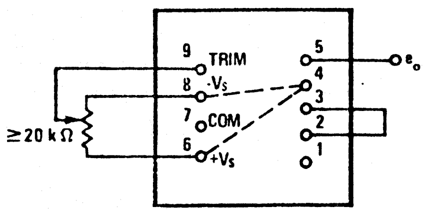
Z172



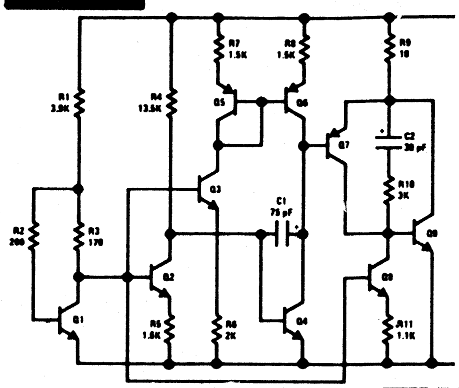


Z172a

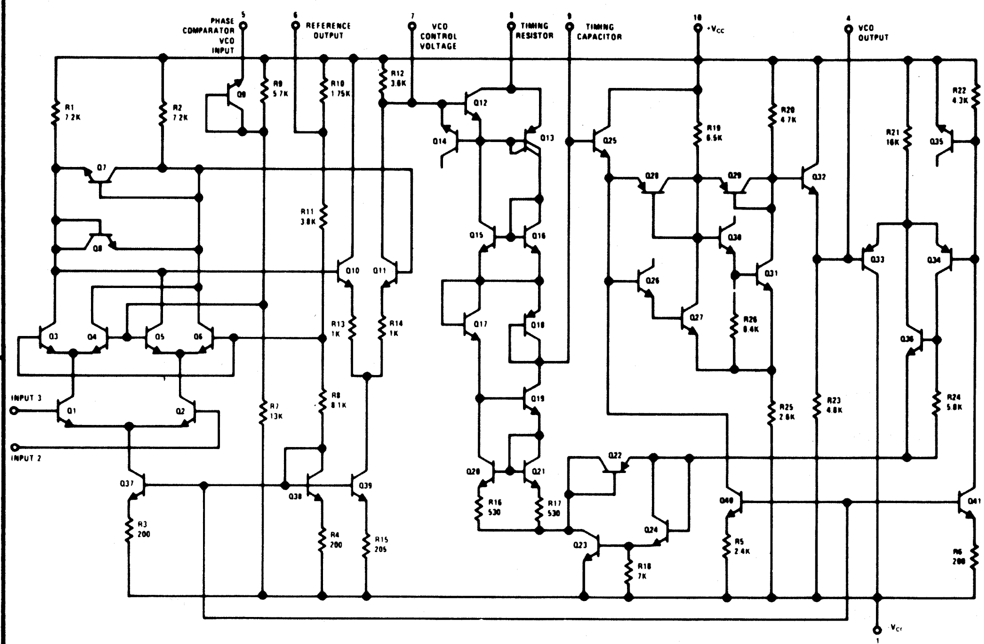
Z175



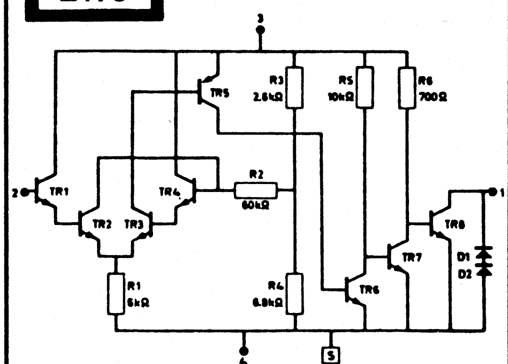
Z176



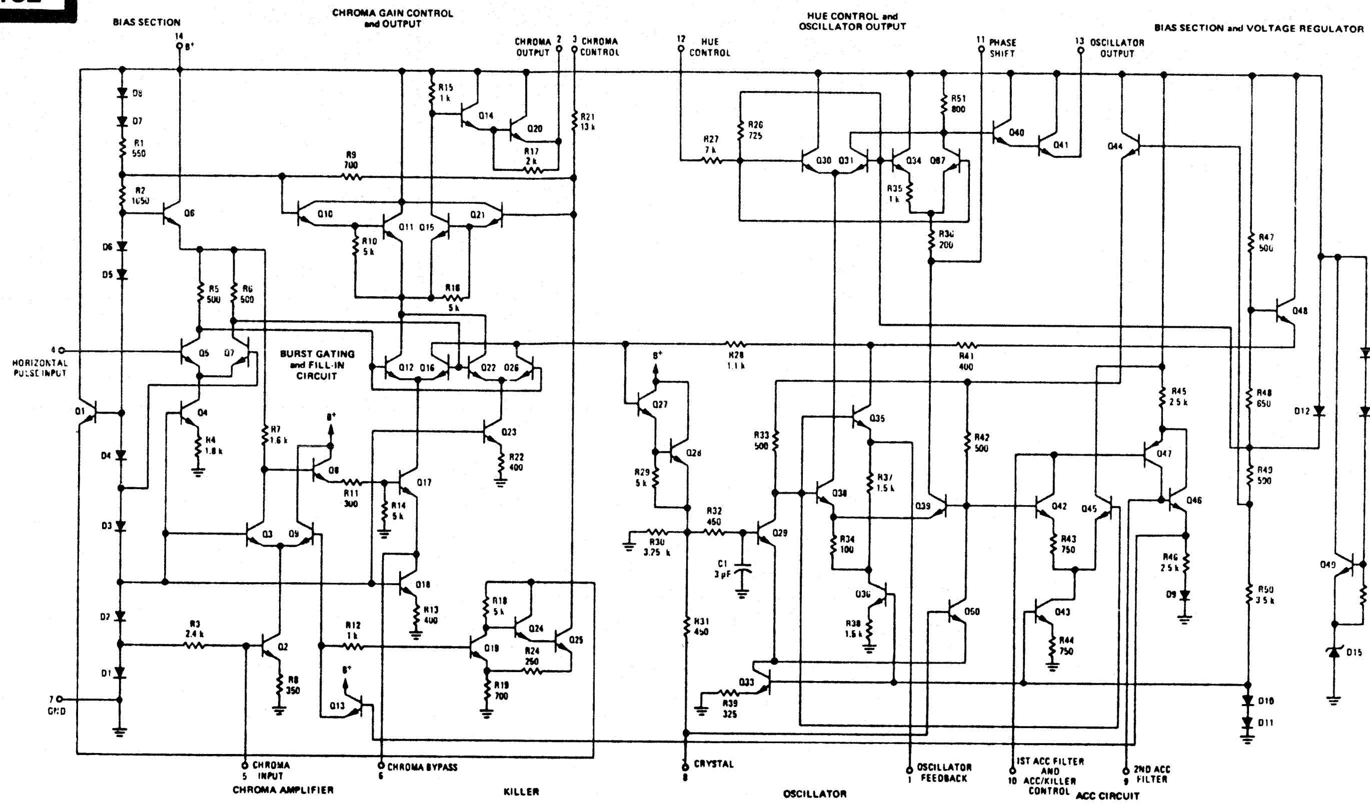
Z177



Z178

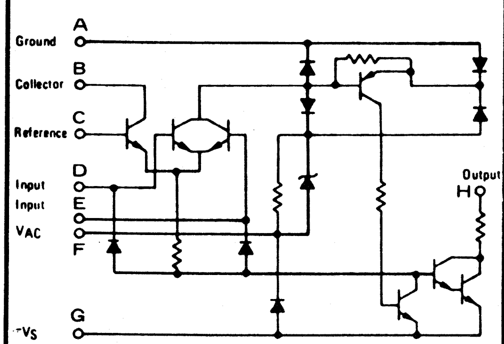


Z182

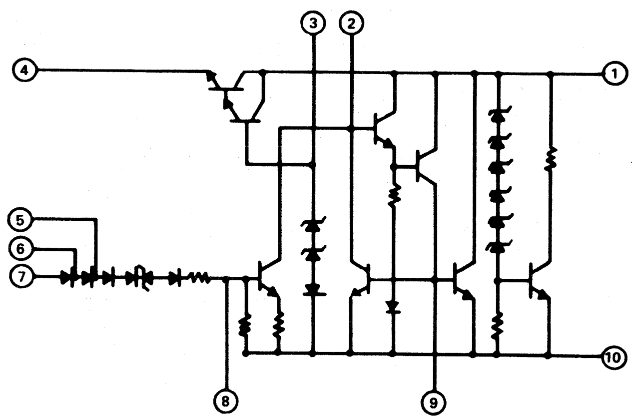


Z183

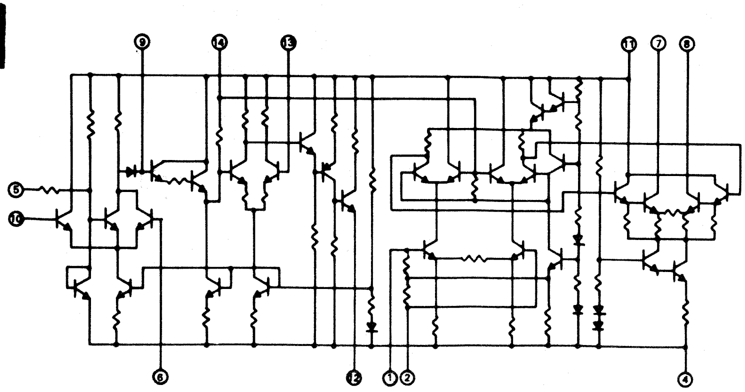
	A	B	C	D	E	F	G	H
Z183	5	4	3	2	1	6	8	7
Z183a	4	5	6	7	8	3	1	2



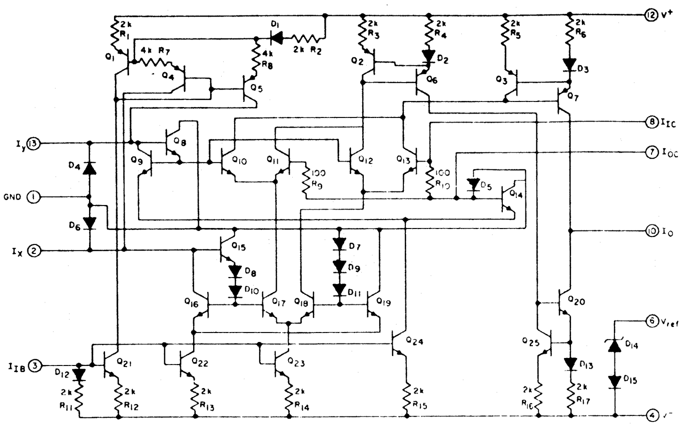
Z184



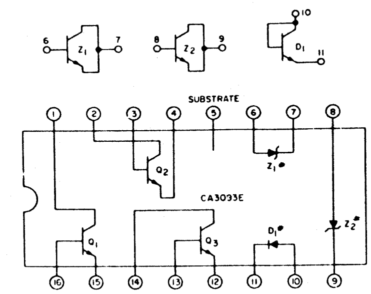
Z187



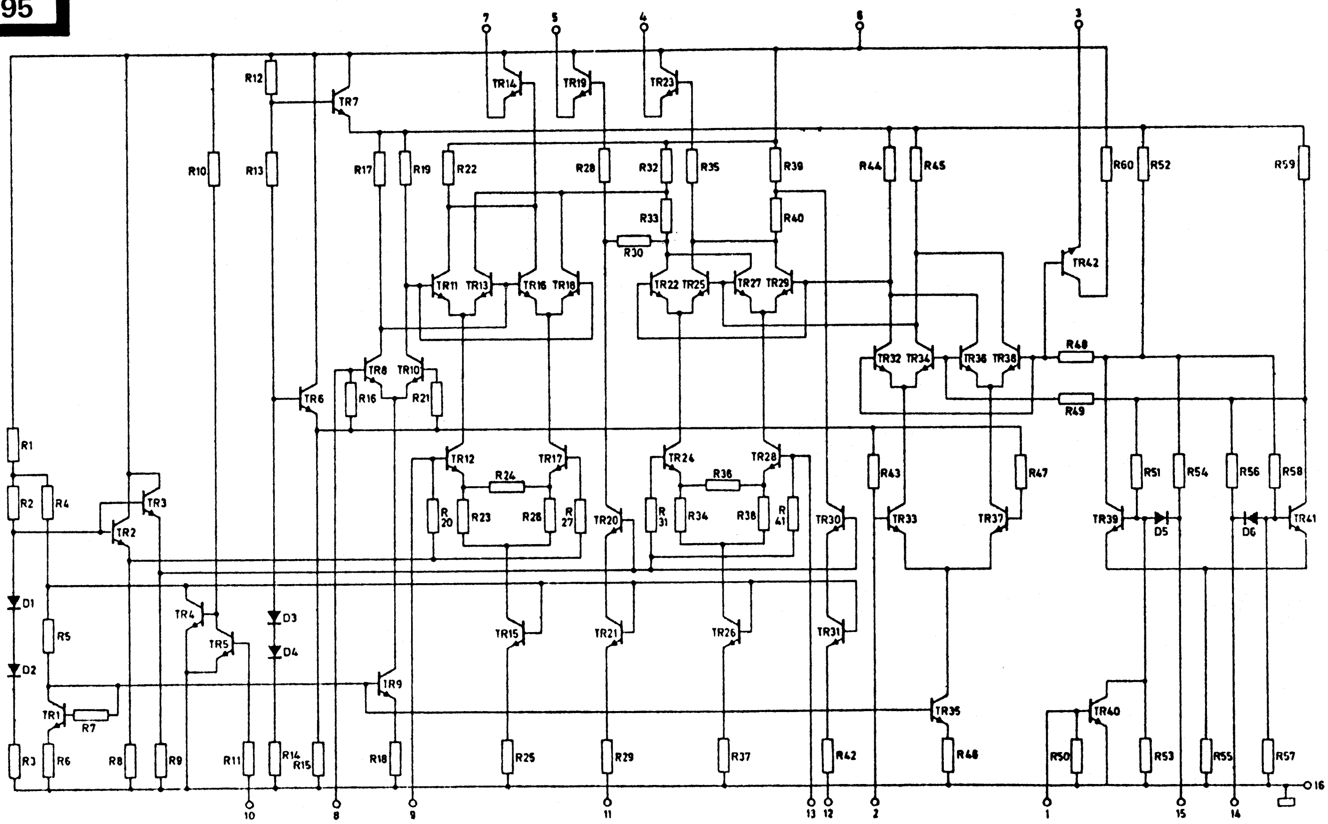
Z193



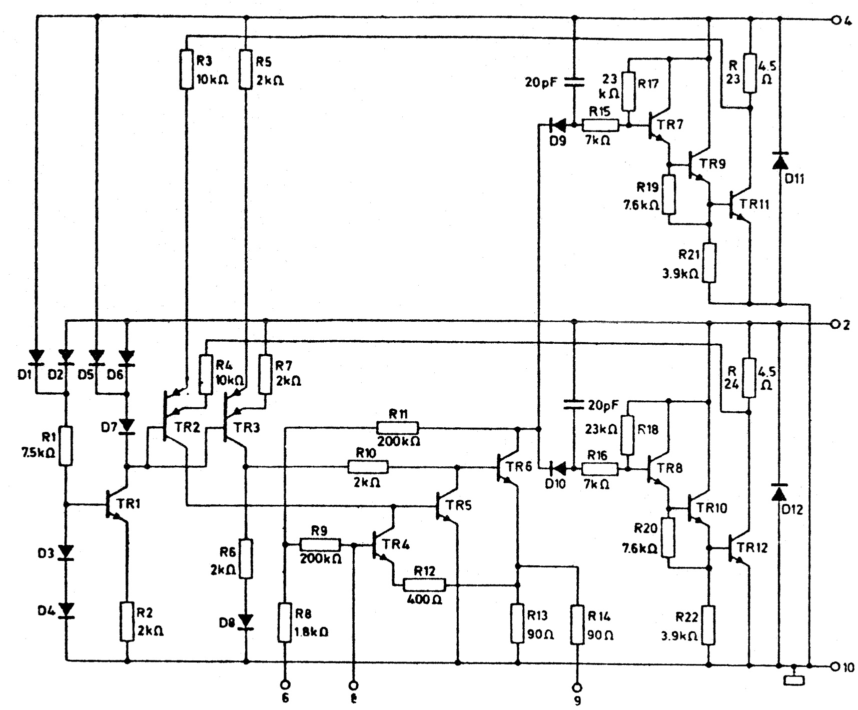
Z194



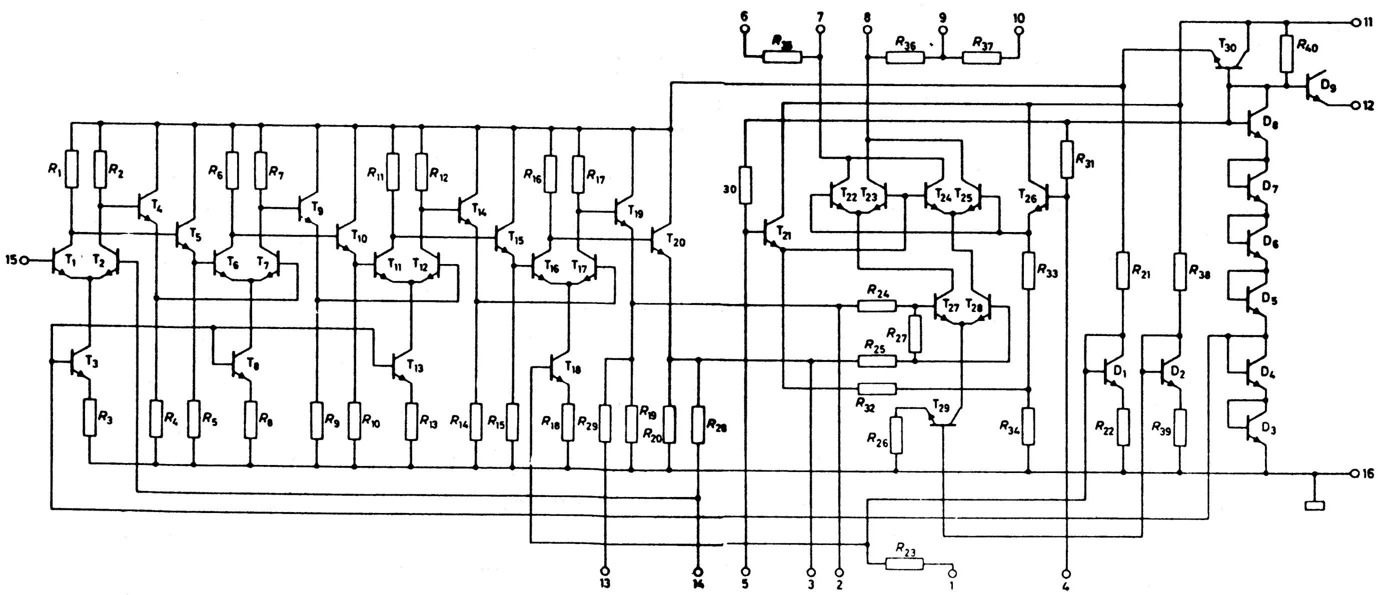
Z195



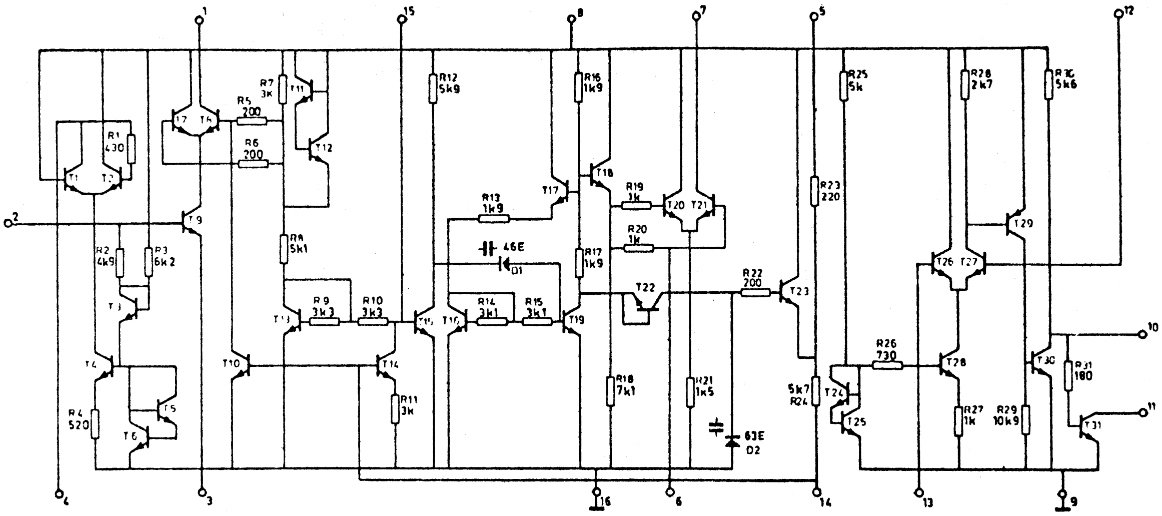
Z196


R3 10kΩ
R5 2kΩ
R4 10kΩ
R7 2kΩ
R1 7.5kΩ
R2 2kΩ
R6 2kΩ
R8 1.8kΩ
R9 200kΩ
R10 2kΩ
R11 200kΩ
R12 400Ω
R13 90Ω
R14 90Ω
R15 7kΩ
R16 7kΩ
R17
R18
23 kΩ
23kΩ
R19 7.6kΩ
R20 7.6kΩ
R21 3.9kΩ
R22 3.9kΩ
R 23
R 24
4.5 Ω
20pF
D1 D2 D5 D6 D7 D3 D4 D8 D9 D10 D11 D12
TR1 TR2 TR3 TR4 TR5 TR6 TR7 TR8 TR9 TR10 TR11 TR12
4
2
10
6
9

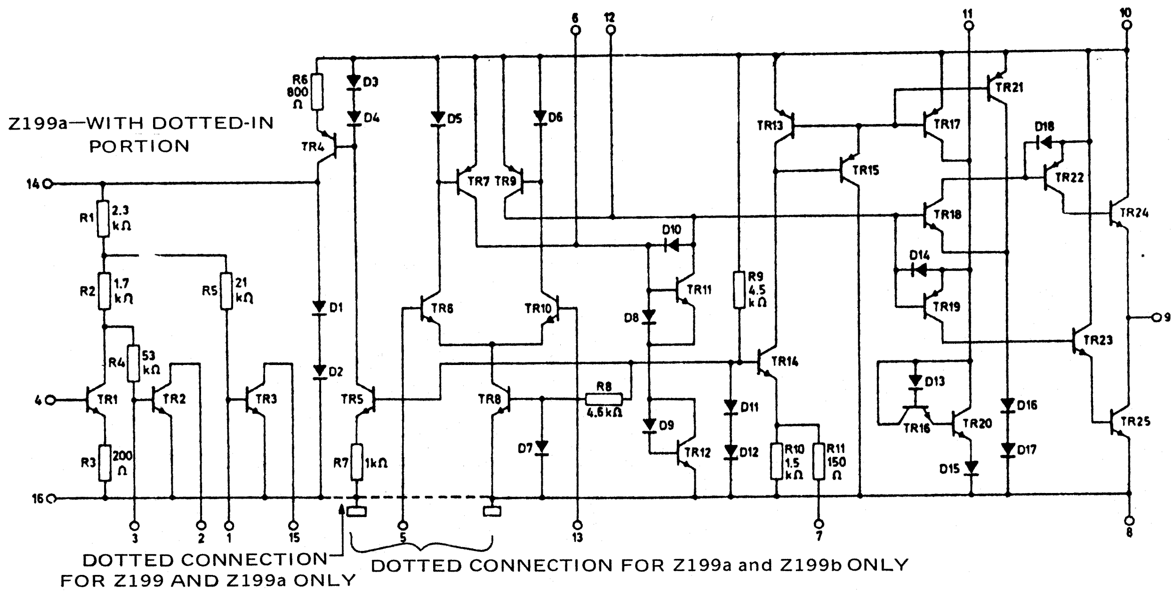
Z197


15
16
11
12
13
14
5
3
2
1
4
6 7 8 9 10

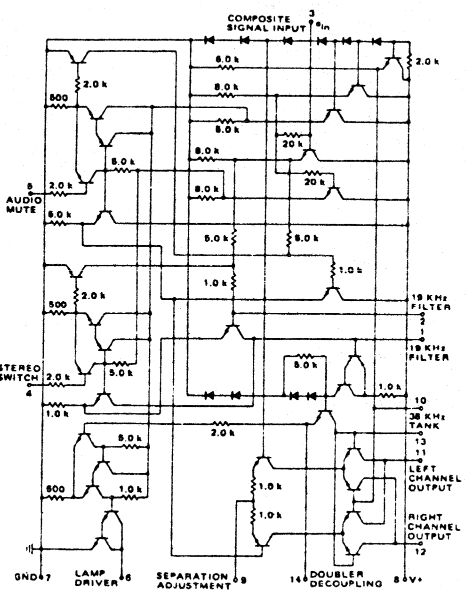
Z198


R1 430
R2 4k9
R3 6k2
R4 520
R5 200
R6 200
R7 3k
R8 5k1
R9 3k3
R10 3k3
R11 3k
R12 5k9
R13 1k9
R14 3k1
R15 3k1
R16 1k9
R17 1k9
R18 7k1
R19 1k
R20 1k
R21 1k5
R22 200
R23 220
R24 5k7
R25 5k
R26 730
R27 1k
R28 2k7
R29 10k9
R30 5k6
R31 180
46E D1
63E D2

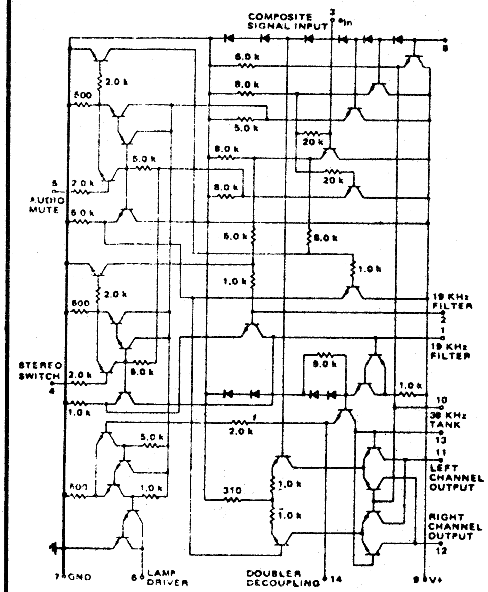
Z199


Z199a—WITH DOTTED-IN PORTION
R1 2.3 kΩ
R2 1.7 kΩ
R3 200 Ω
R4 53 kΩ
R5 21 kΩ
R6 800 Ω
R7 1kΩ
R8 4.6kΩ
R9 4.5 kΩ
R10 1.5 kΩ
R11 150 Ω
DOTTED CONNECTION FOR Z199 AND Z199a ONLY
DOTTED CONNECTION FOR Z199a and Z199b ONLY

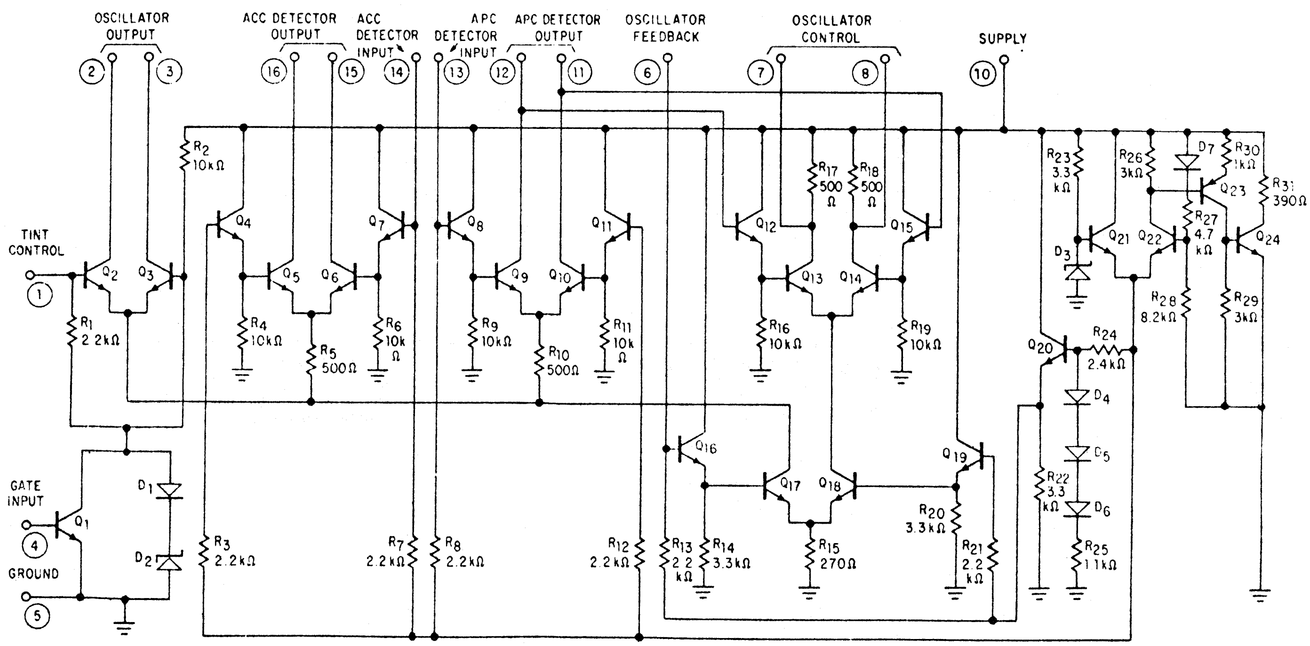
Z202



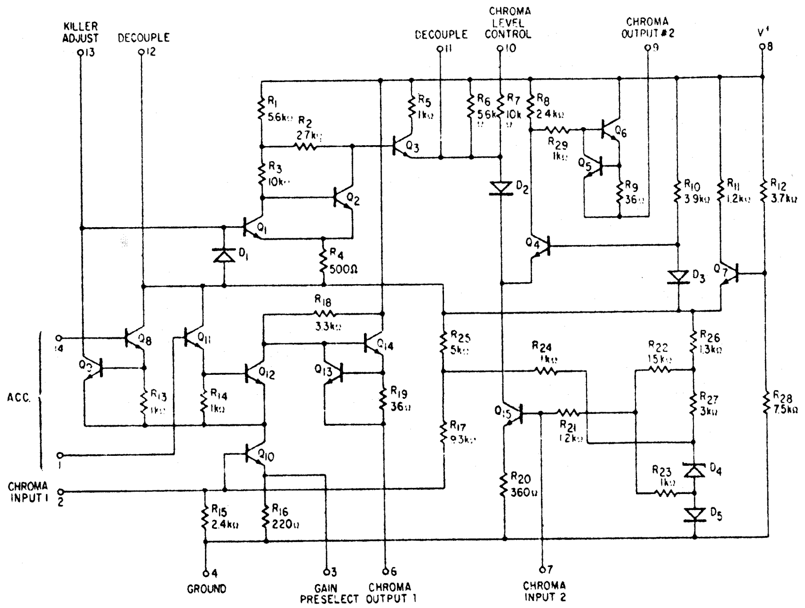
Z203



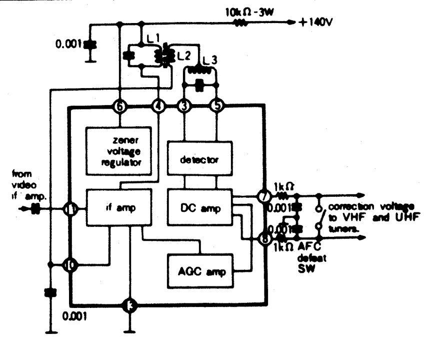
Z205



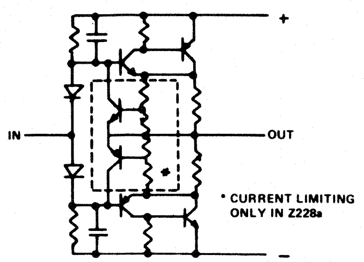
Z206


KILLER ADJUST 13
DECOUPLE 12
DECOUPLE 11
CHROMA LEVEL CONTROL 10
CHROMA OUTPUT #2 9
V+ 8
R1 5.6kΩ
R2 27kΩ
R3 10kΩ
R4 500Ω
R5 1kΩ
R6 5.6kΩ
R7 10k
R8 2.4kΩ
R29 1kΩ
R9 36Ω
R10 3.9kΩ
R11 1.2kΩ
R12 3.7kΩ
R18 3.3kΩ
R25 5kΩ
R24 1kΩ
R22 15kΩ
R26 1.3kΩ
R13 1kΩ
R14 1kΩ
R19 36Ω
R27 3kΩ
R28 7.5kΩ
R21 1.2kΩ
R17 9.3kΩ
R23 1kΩ
R20 360Ω
R15 2.4kΩ
R16 220Ω
ACC.
CHROMA INPUT 1
4 GROUND
3 GAIN PRESELECT
6 CHROMA OUTPUT 1
7 CHROMA INPUT 2

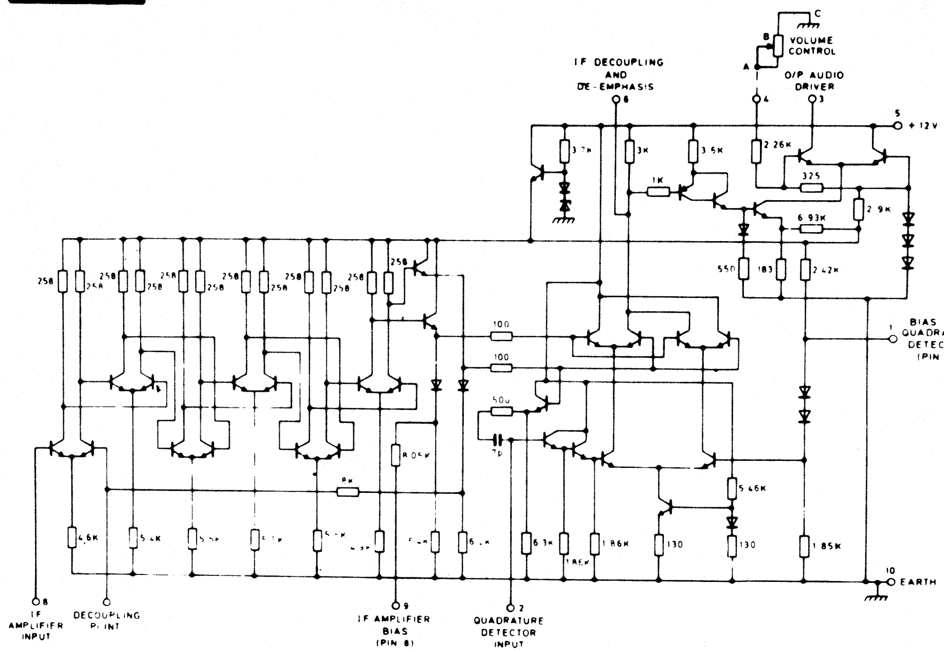
Z210


10kΩ-3W
+140V
0.001
L1
L2
L3
zener voltage regulator
detector
from video if amp.
if amp
DC amp
AGC amp
1kΩ
0.001
correction voltage to VHF and UHF tuners.
1kΩ AFC defeat SW
0.001

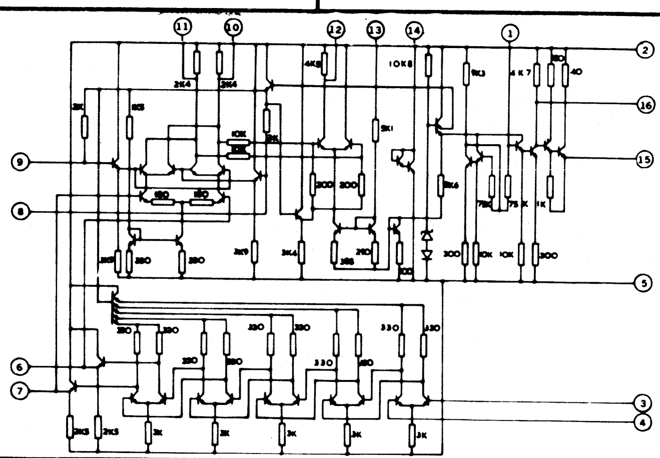
Z228



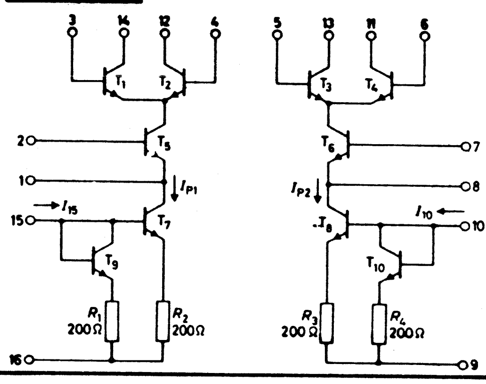
Z229



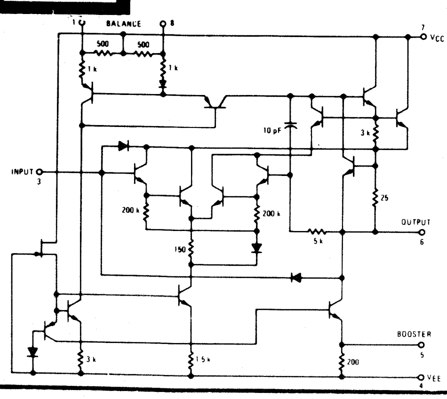
Z231



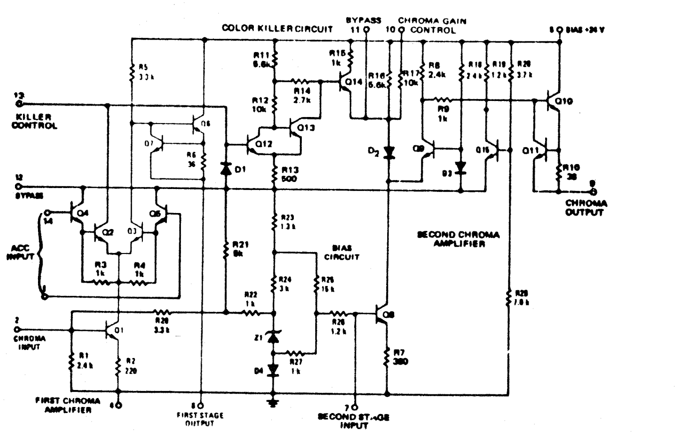
Z234



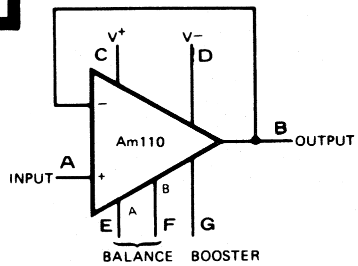
Z235



Z238

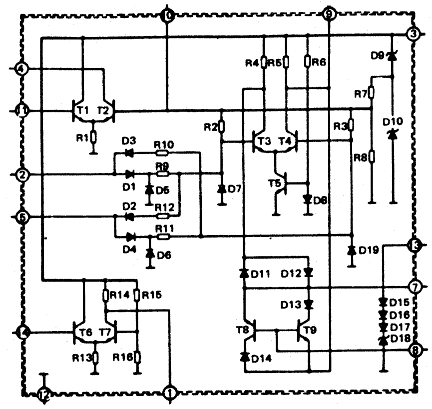


Z239

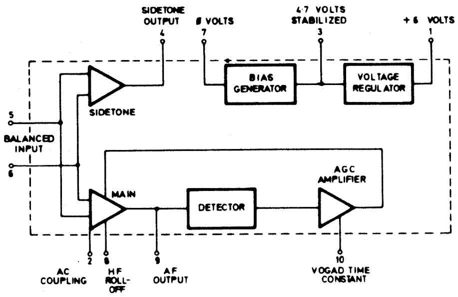


	PKG	A	B	C	D	E	F	G
Z239	CN	3	6	7	4	1	8	5
	FP	4	7	8	5	2	9	6
	MP	5	10	11	6	3	12	9

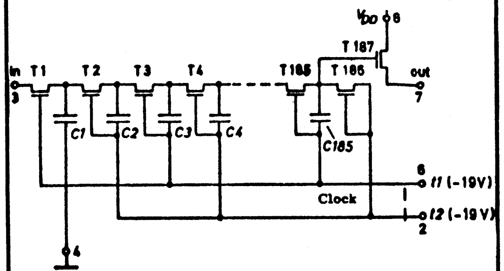
Z248



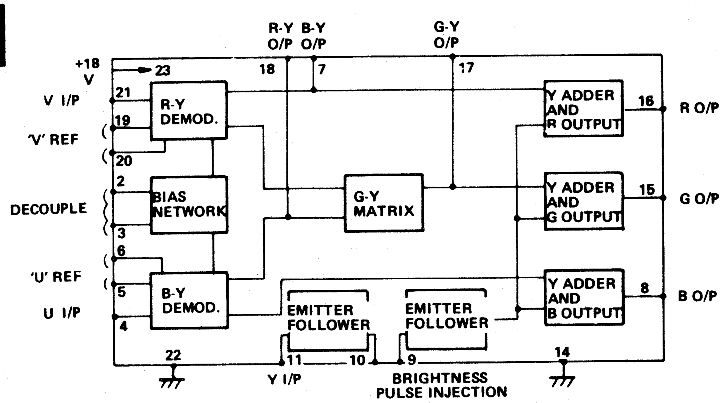
Z254



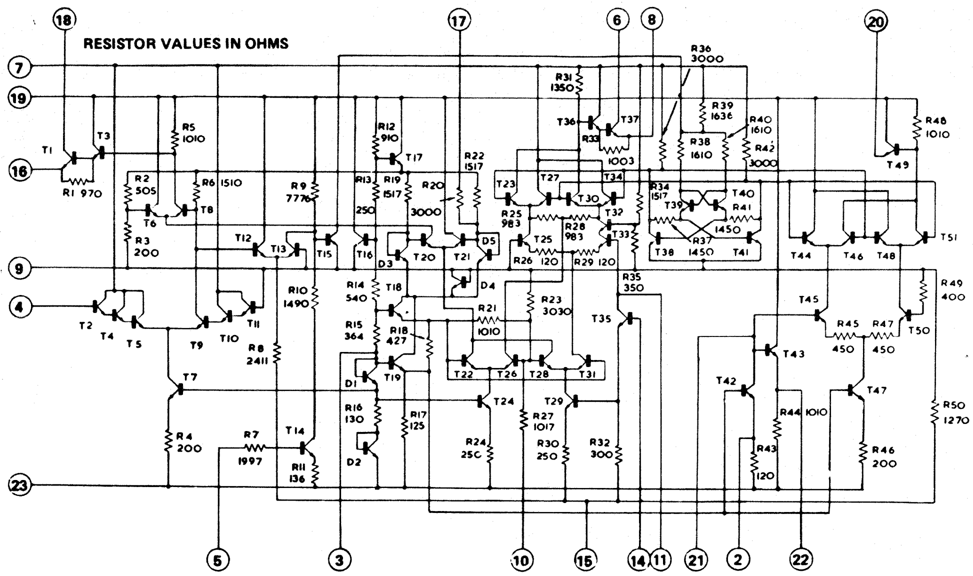
Z255



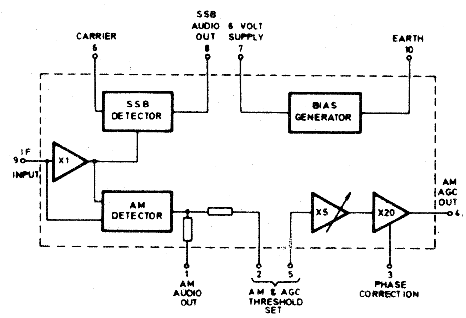
Z257



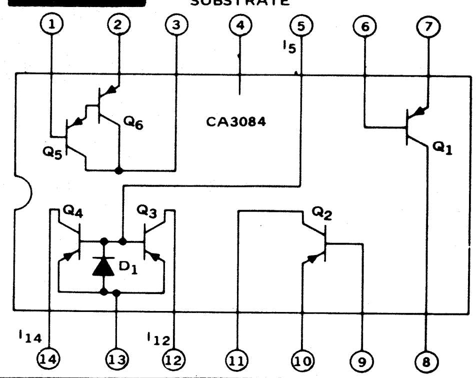
Z258



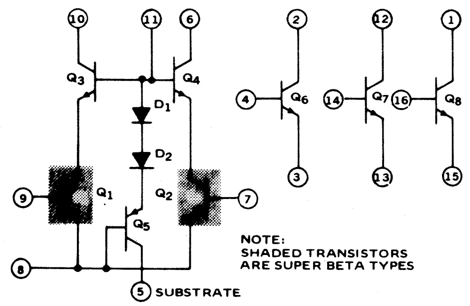
Z260



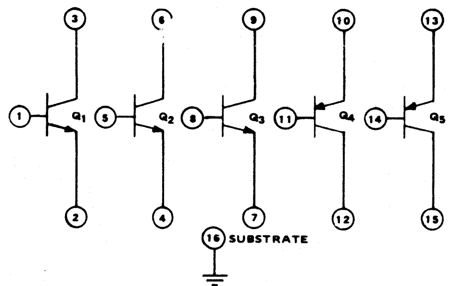
Z261



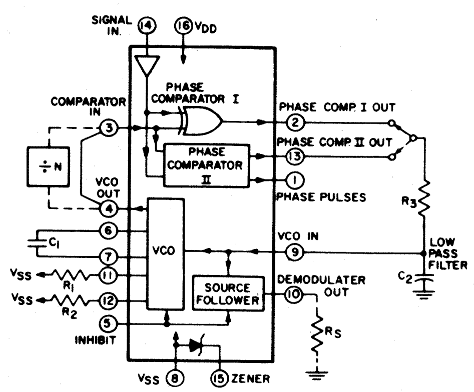
Z262



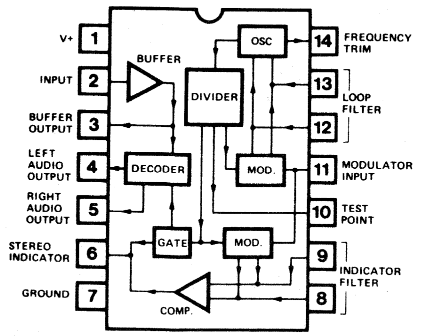
Z263



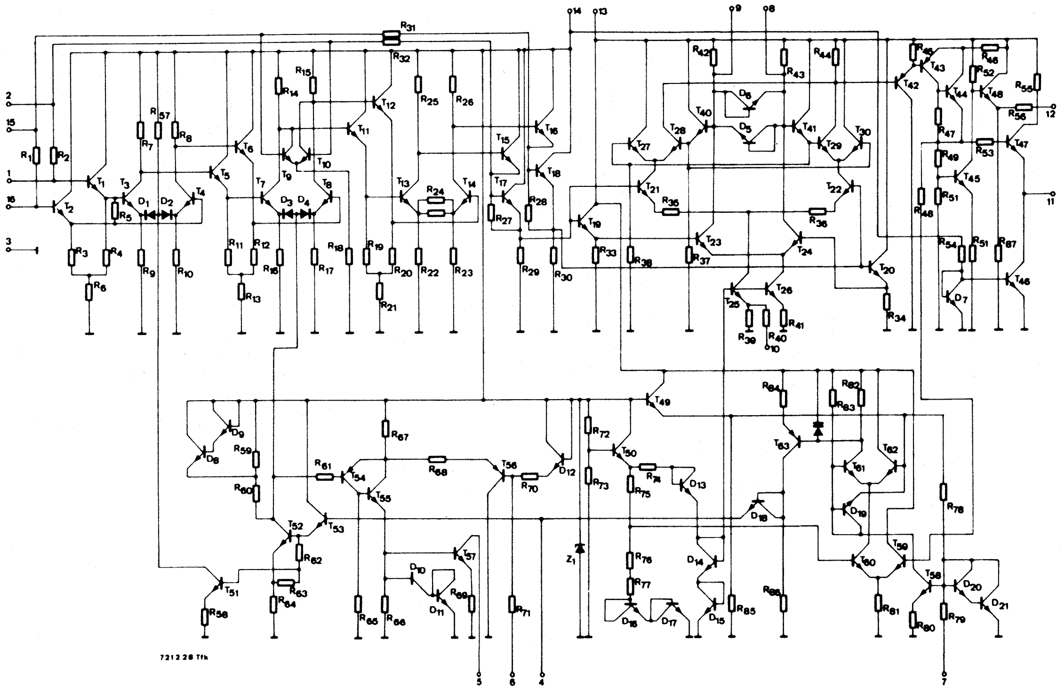
Z264



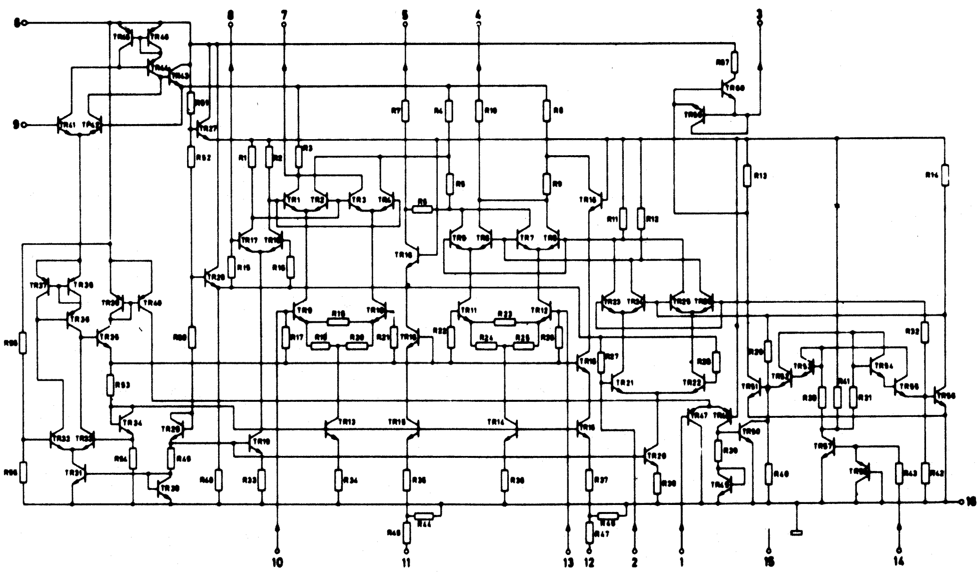
Z265



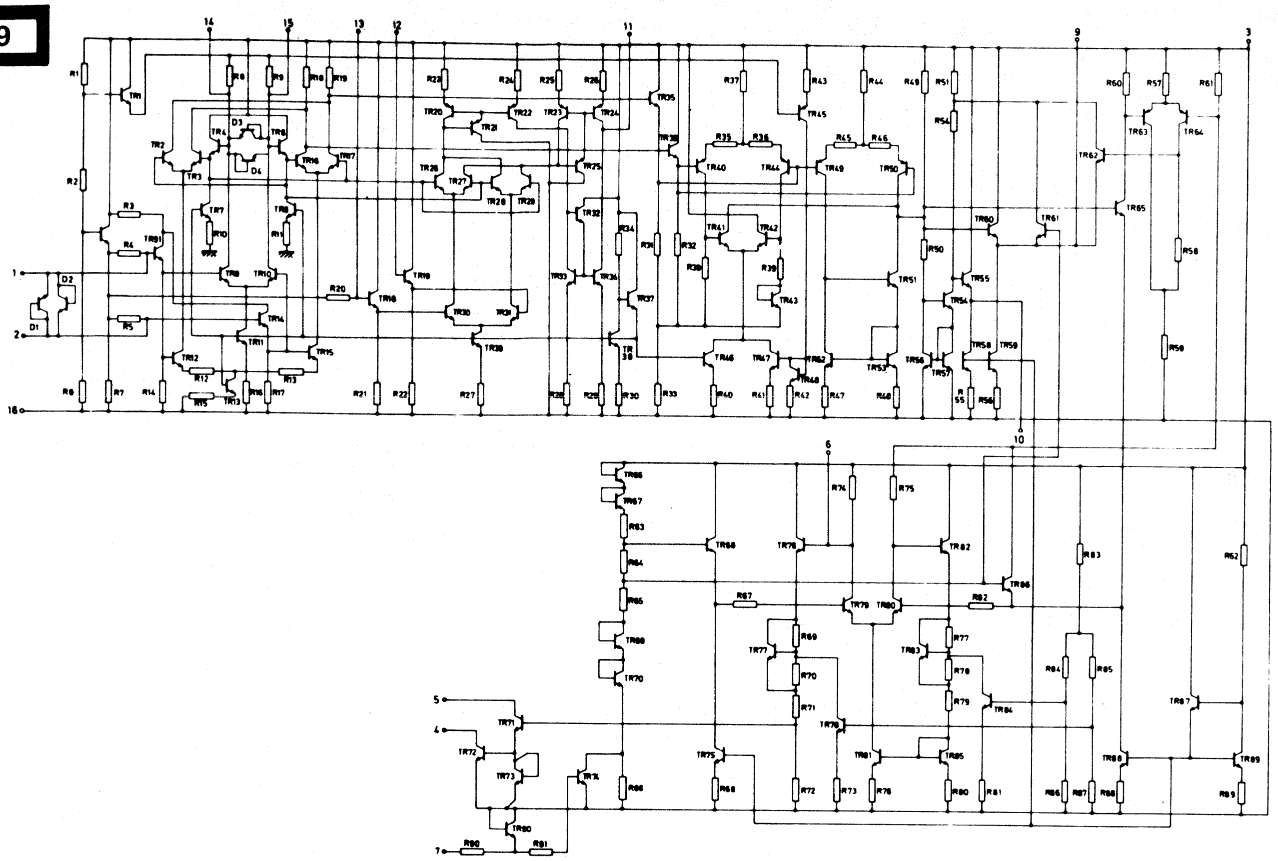
Z267



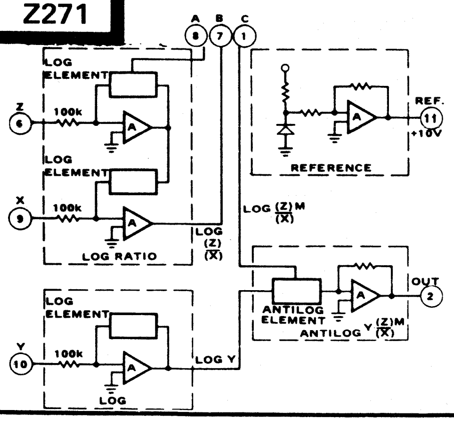
Z268



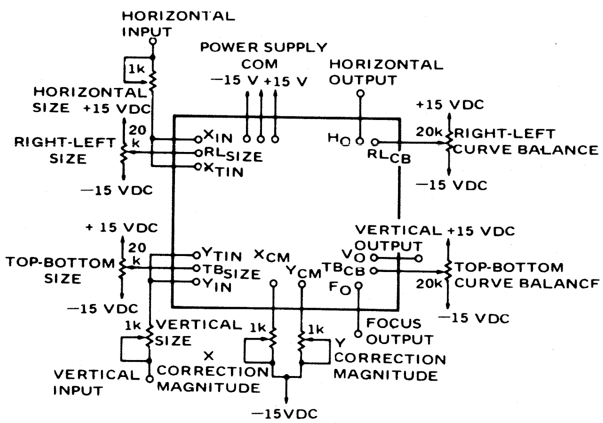
Z269



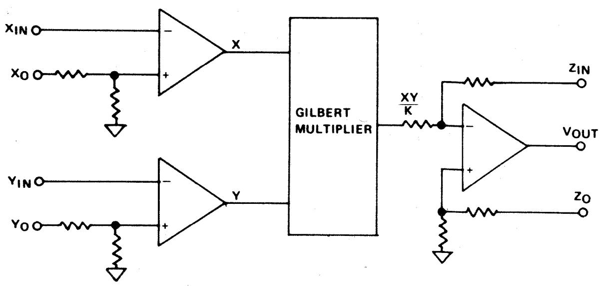
Z271



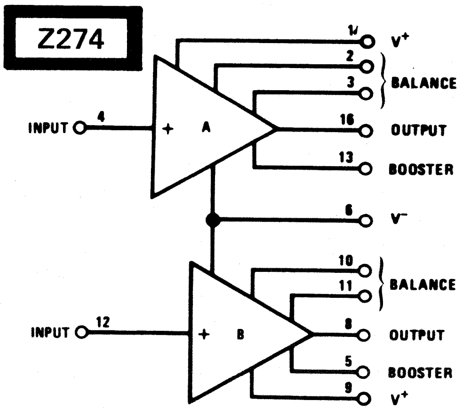
Z272



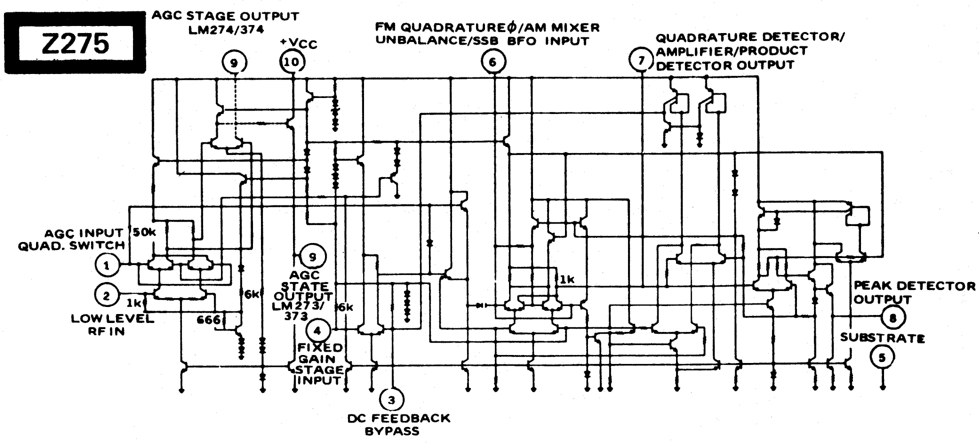
Z273



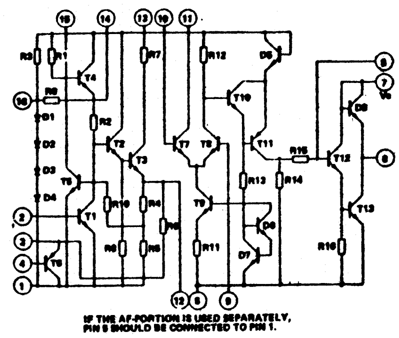
Z274



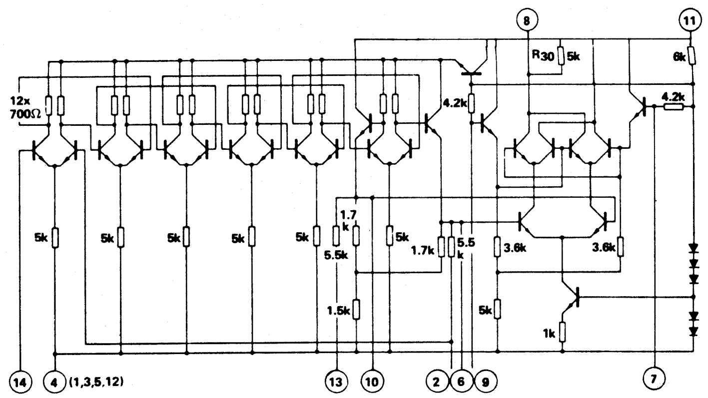
Z275



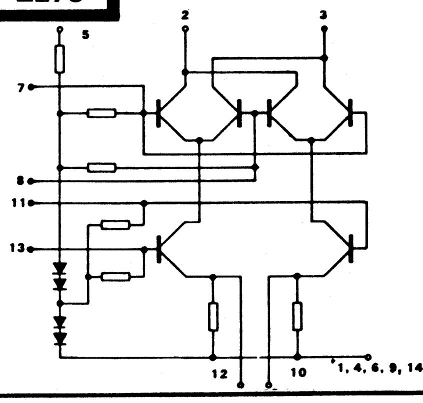
Z276



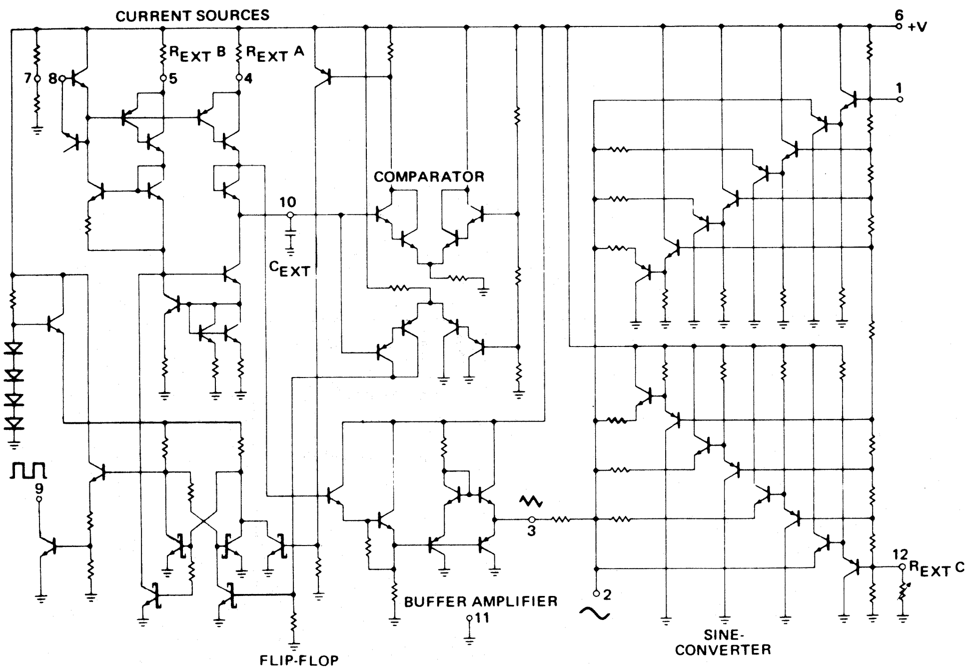
Z277



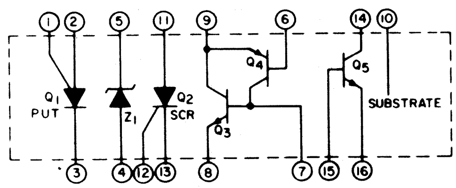
Z278



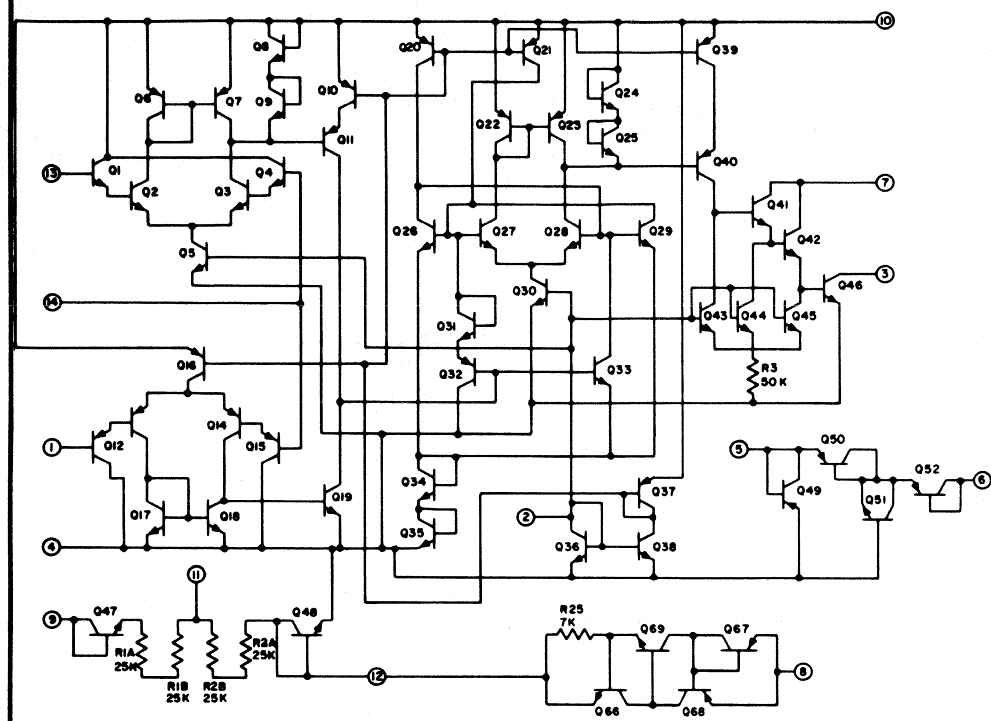
Z279



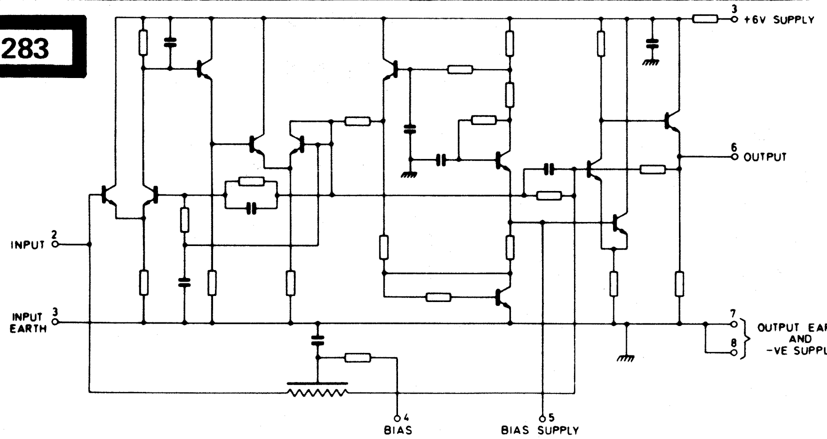
Z281



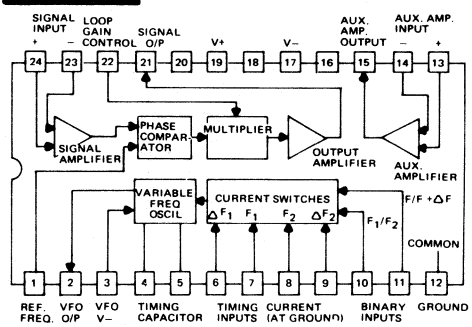
Z282



Z283

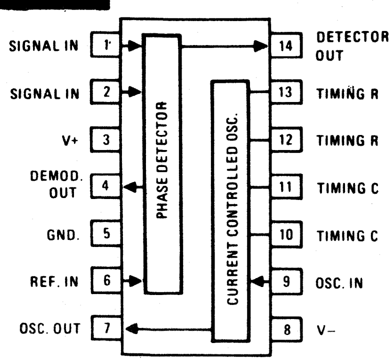


Z284

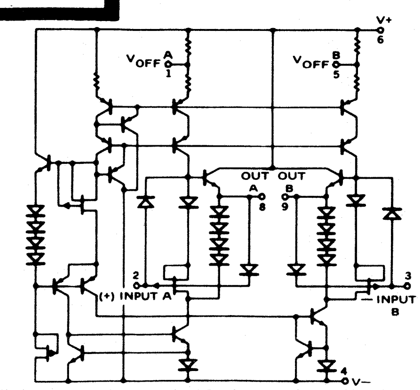


AUX. AMP. FOR Z284a ONLY.

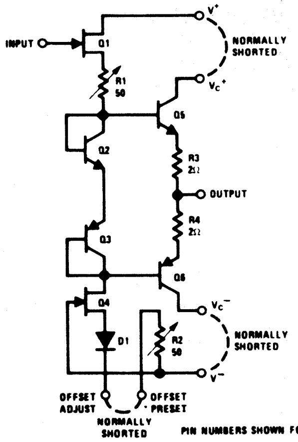
Z286



Z287



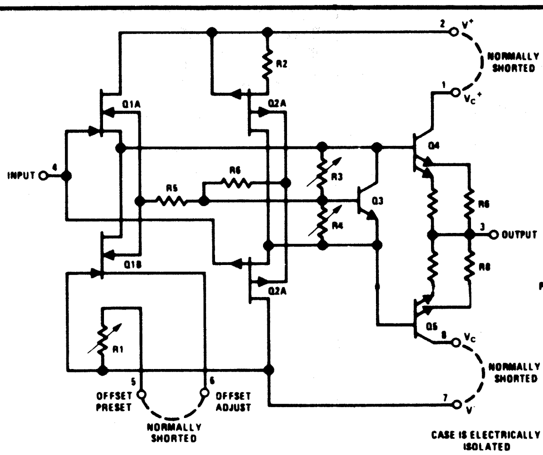
Z288



PIN NUMBERS SHOWN FOR TO-8 ("G") PACKAGE.

	PKG	IN	OFF ADJ	OFF PRE	VC +	VC -	V +	V -	OUT
Z288	CN	5	7	6	1	9	12	10	11
	MP	1	3	2	7	6	8	5	4

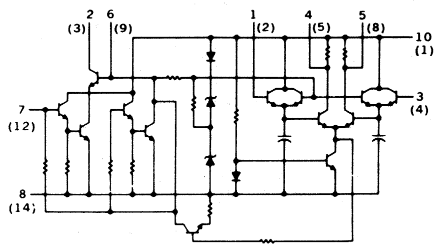
Z289



PIN NUMBERS SHOWN FOR TO-8 ("G") PACKAGE.

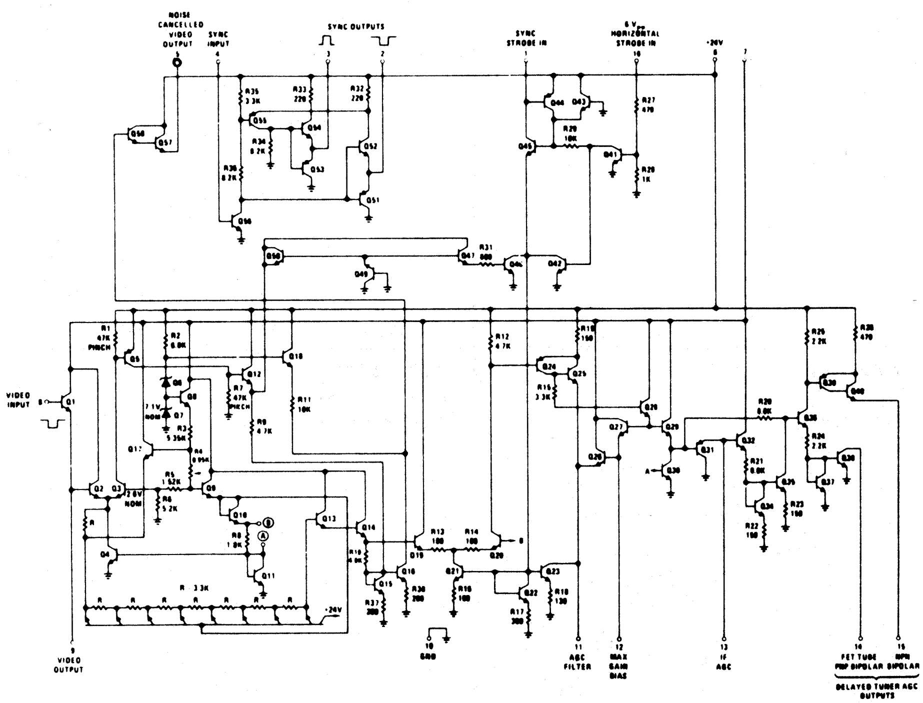
CASE IS ELECTRICALLY ISOLATED

Z290

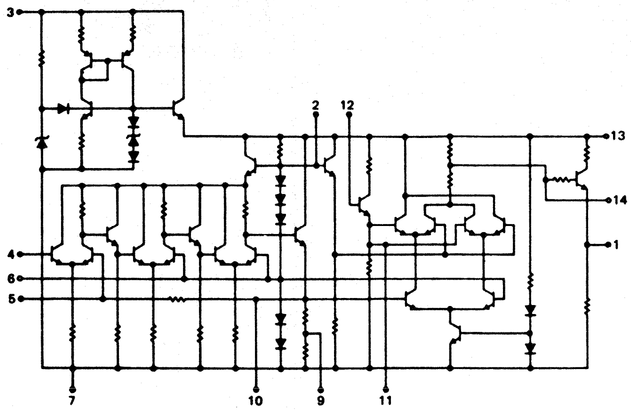


NOTE: DIP CONNECTIONS ARE INDICATED IN PARENTHESES.

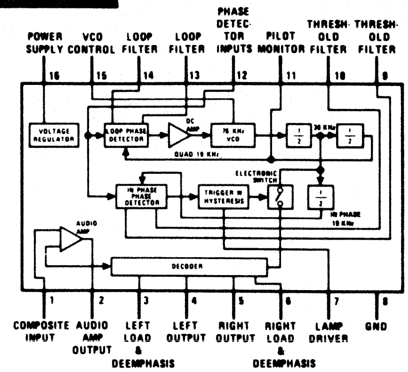
Z291



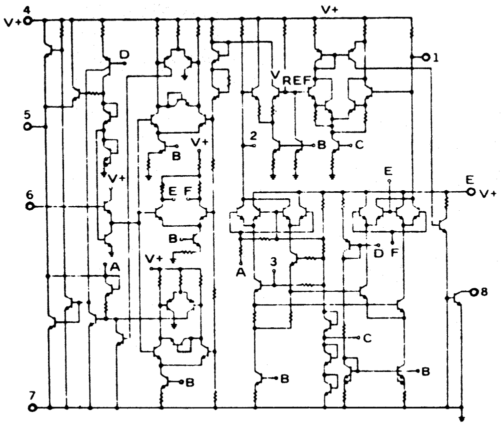
Z292



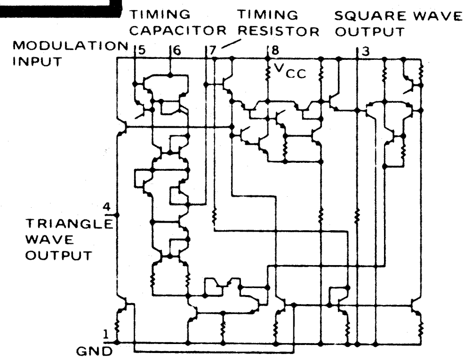
Z293



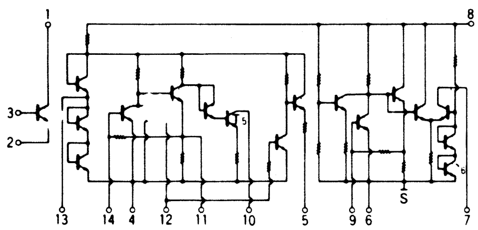
Z294



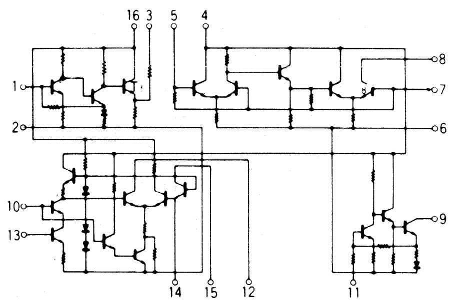
Z295



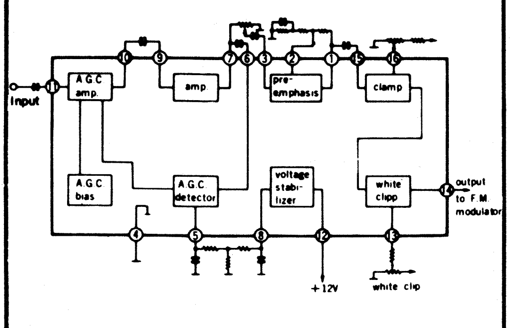
Z297



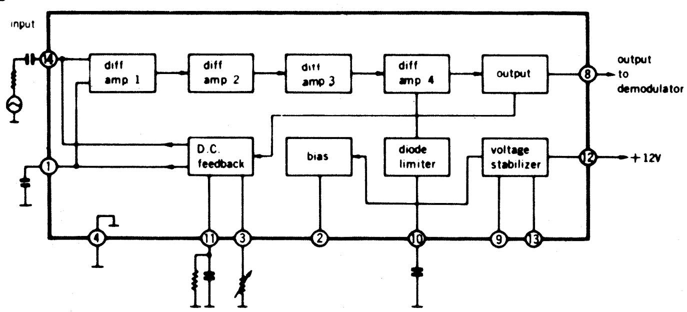
Z298



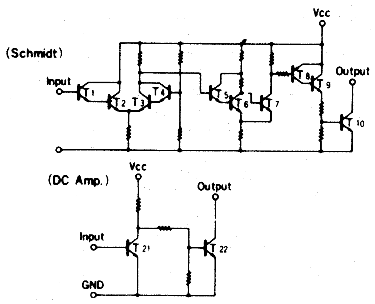
Z299



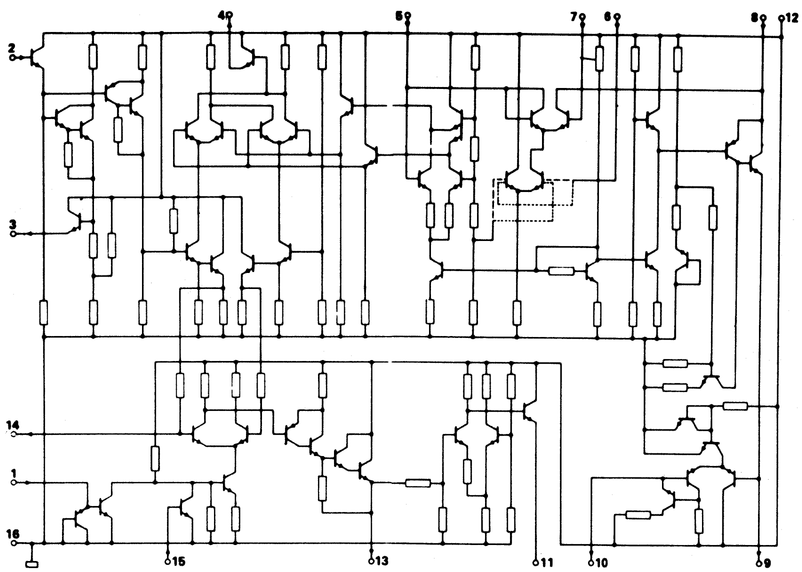
Z300



Z301

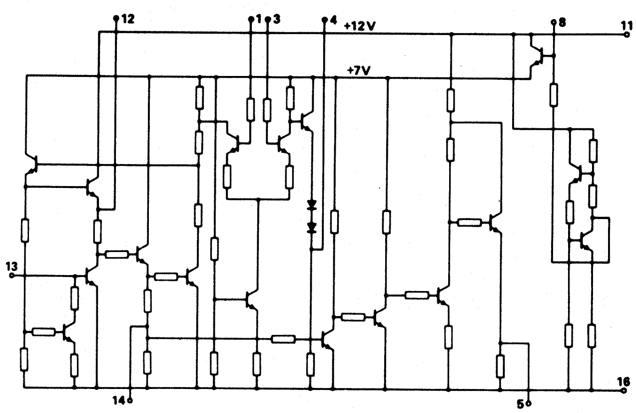


Z307

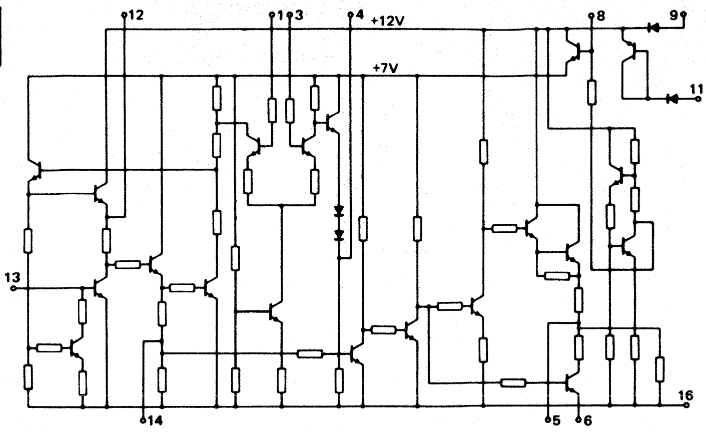


NOTE: Z307 – CONNECTIONS MADE VIA DOTTED LINES (......)
Z307a – CONNECTIONS MADE VIA DASHED LINES (-------)

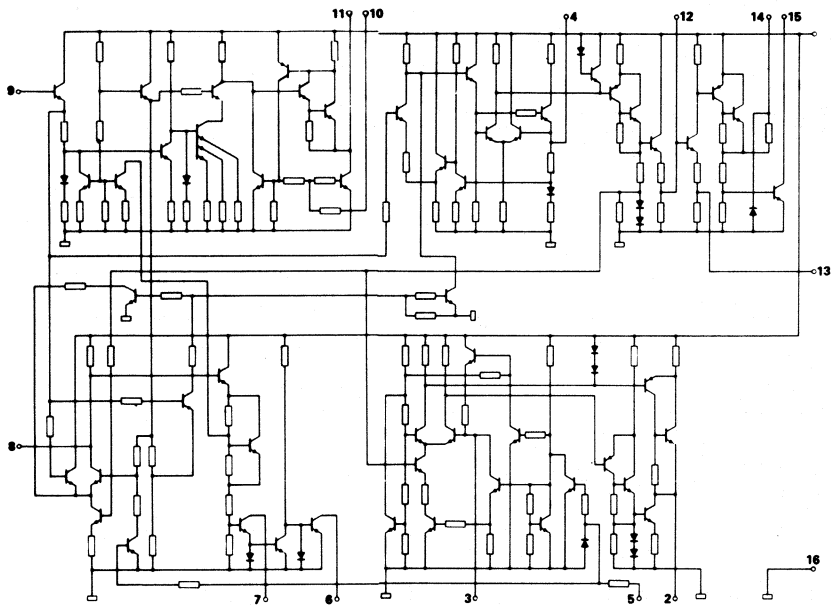
Z308



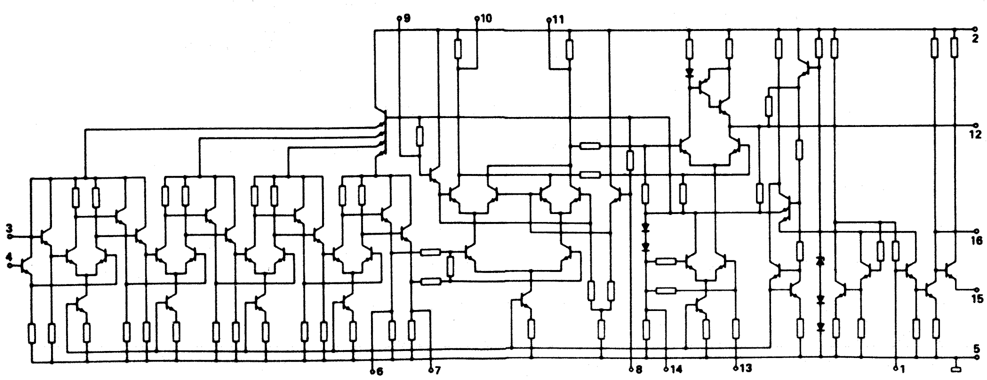
Z309



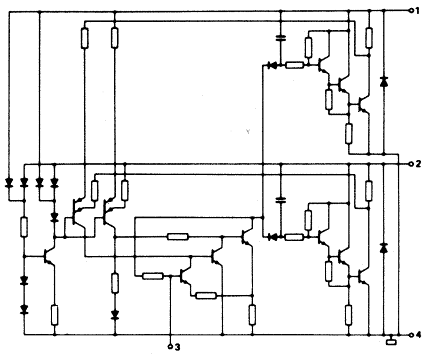
Z310



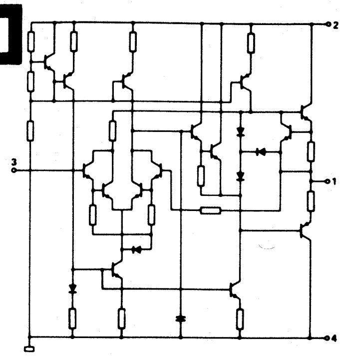
Z311



Z313

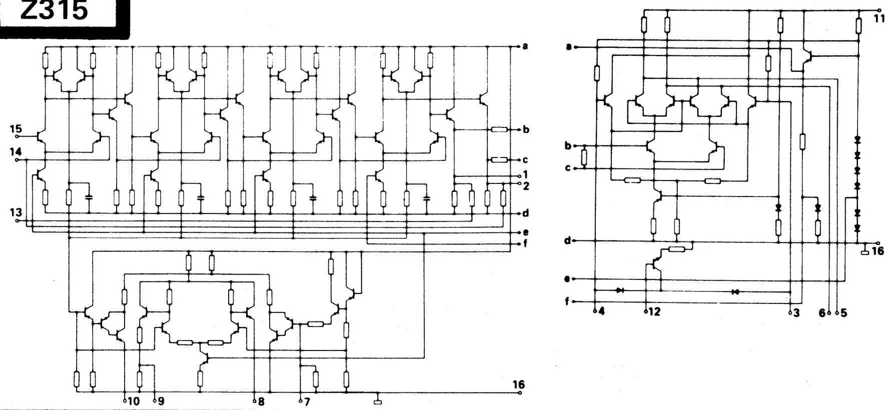


Z314

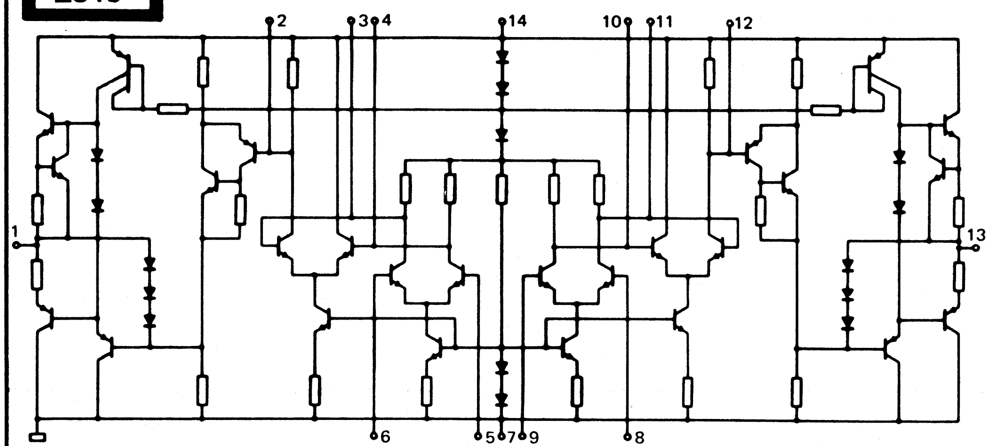


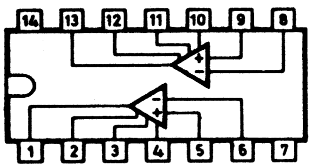
	Vo	Vp	Vi	Vn	REMARKS
Z314	1	2	3	4	PIN 4 CONNECTED TO CASE
Z314a	5	6	2	3	

Z315



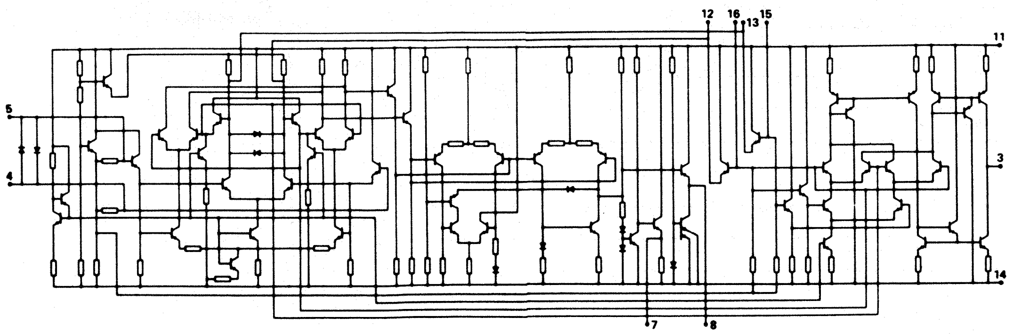
Z316



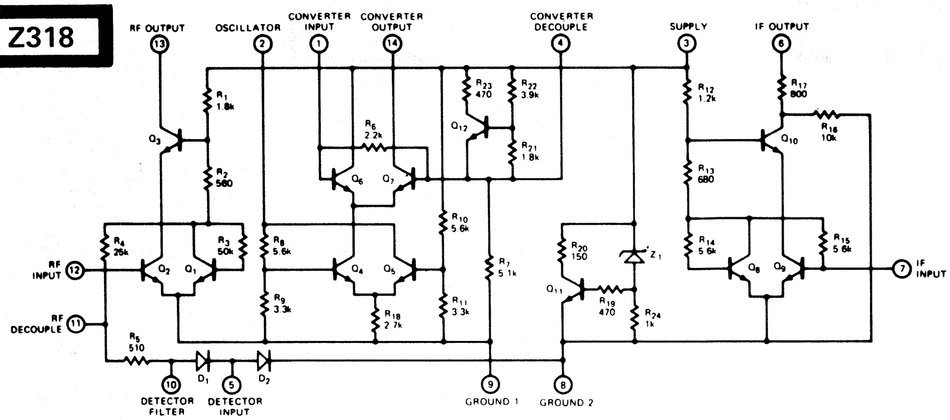


1. Output A
2. Lag output A
3. Lag input A
4. Lag input A
5. Non-inverting input A
6. Inverting input A
7. Negative supply (V_N)
8. Inverting input B
9. Non-inverting B
10. Lag input B
11. Lag input B
12. Lag output B
13. Output B
14. Positive supply (V_P)

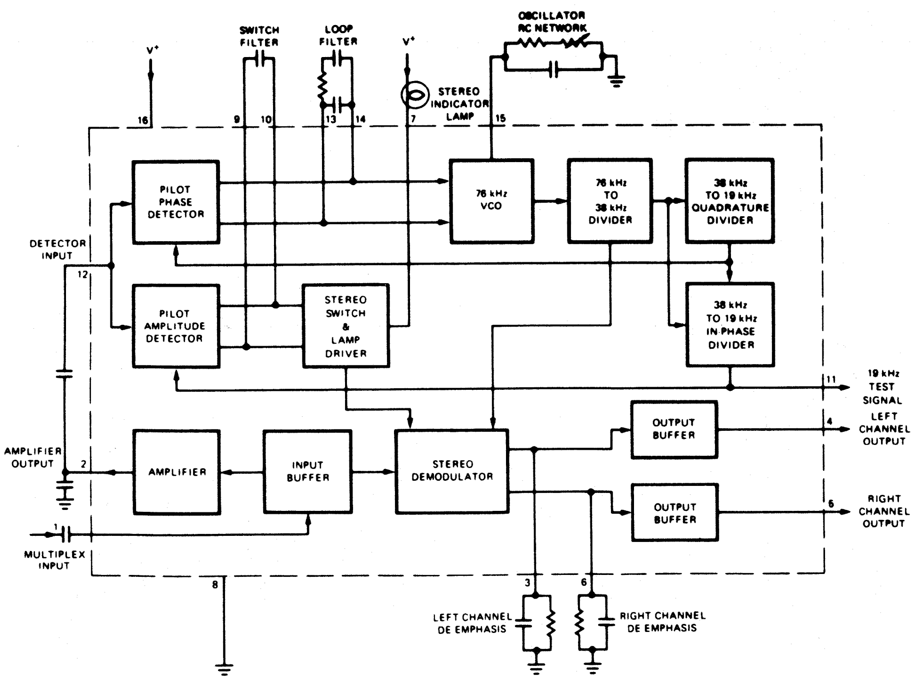
Z317



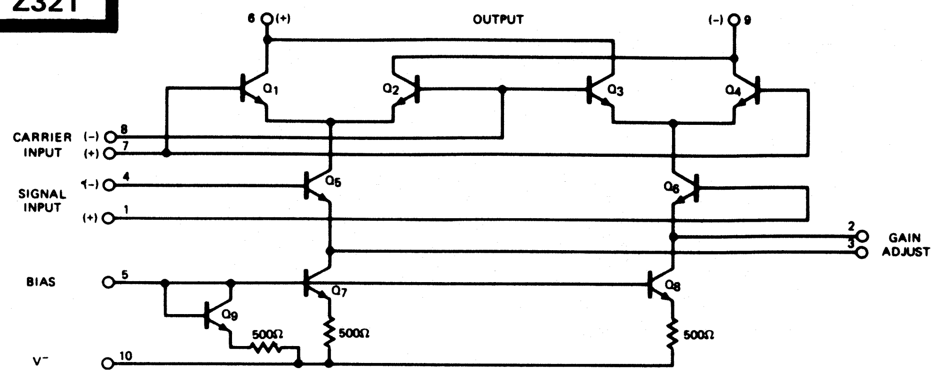
Z318



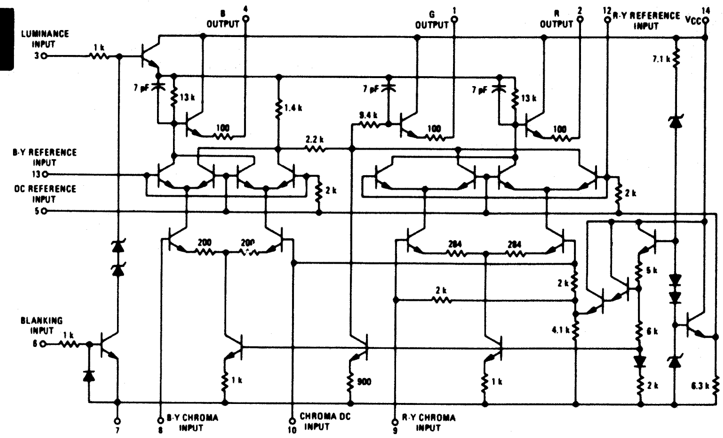
Z319



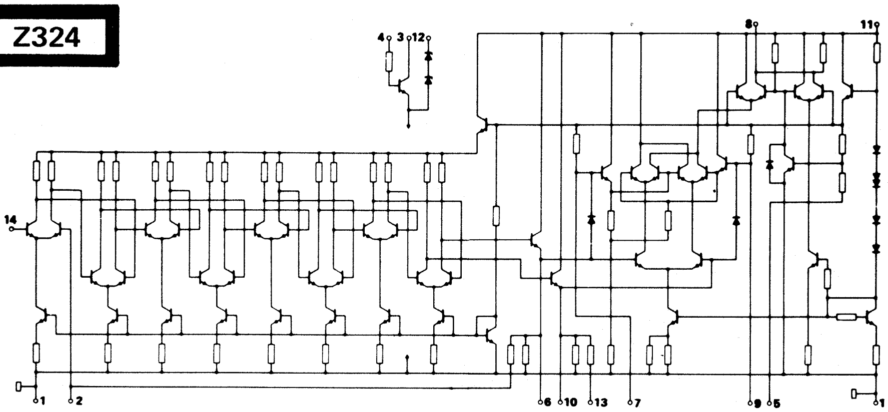
Z321



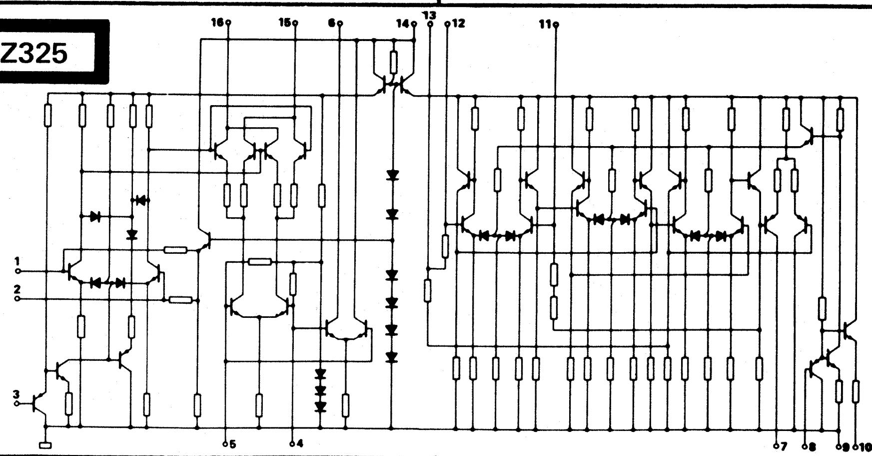
Z322



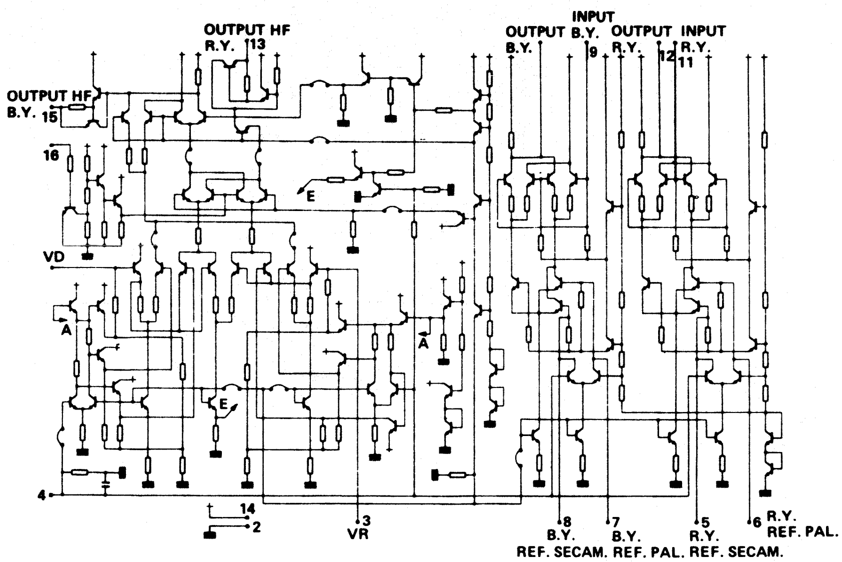
Z324



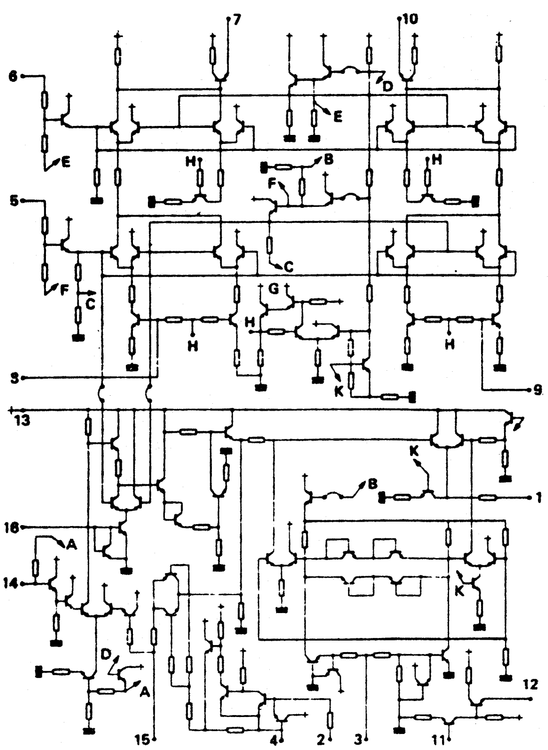
Z325



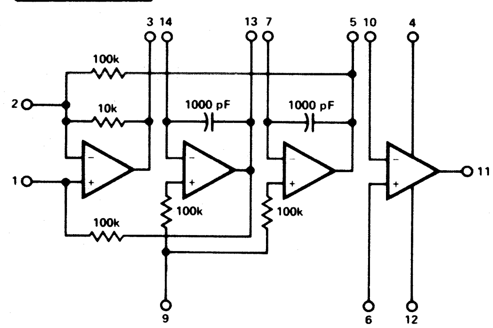
Z334



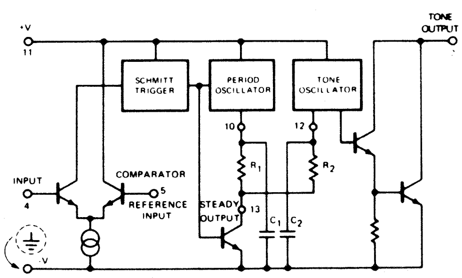
Z335



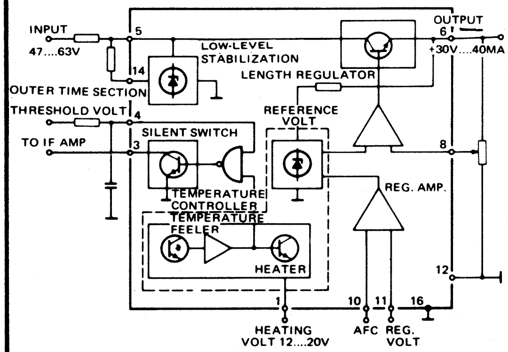
Z337



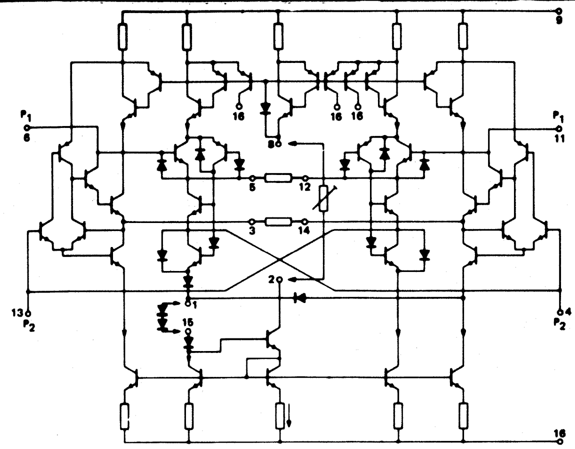
Z338



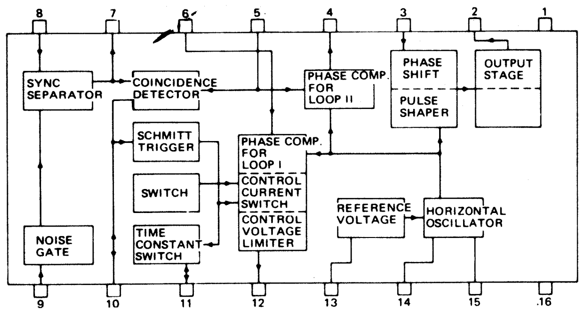
Z327



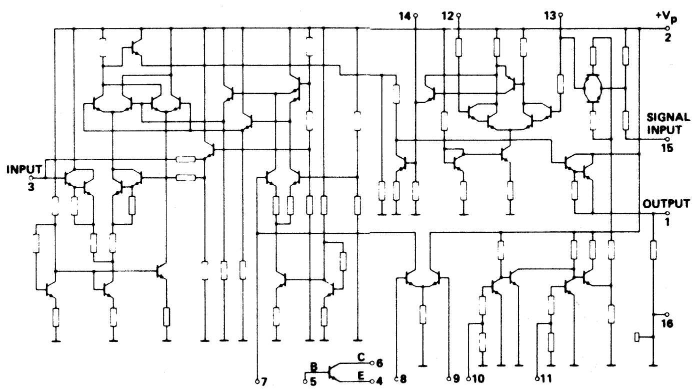
Z328



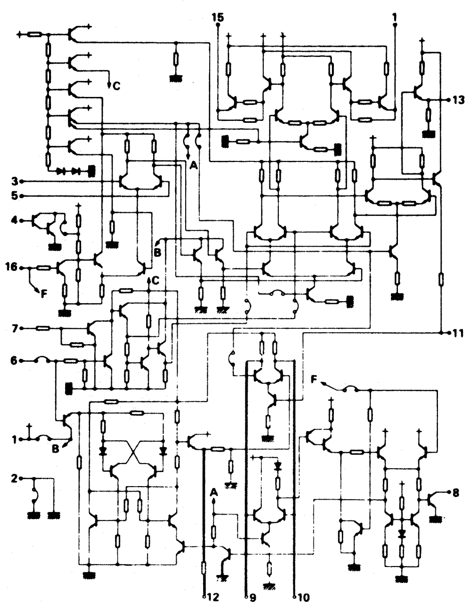
Z329



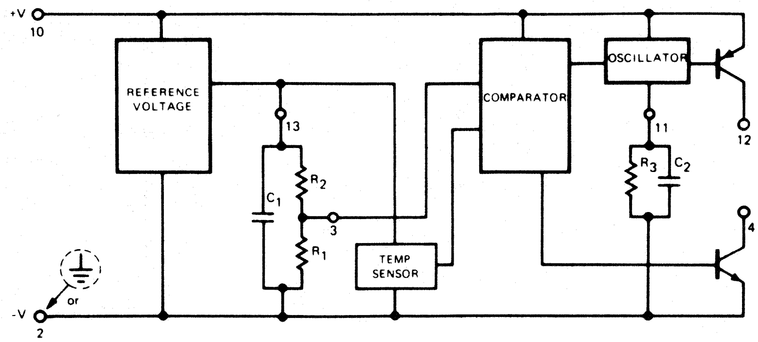
Z330



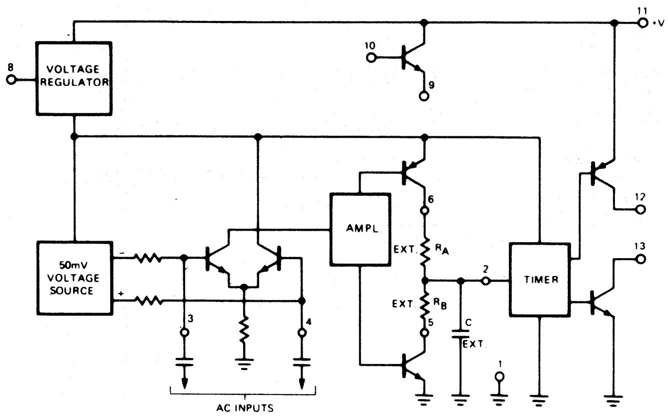
Z333



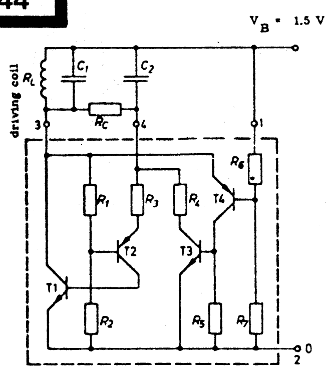
Z339



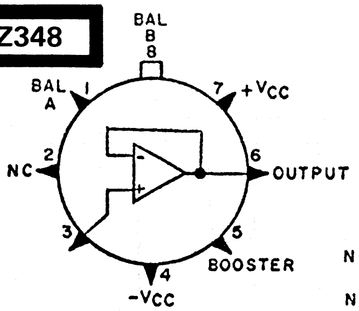
Z341



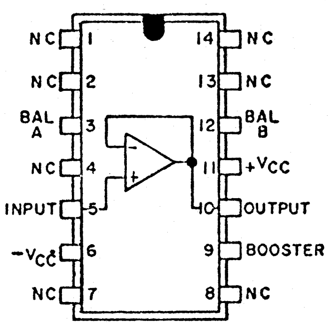
Z344



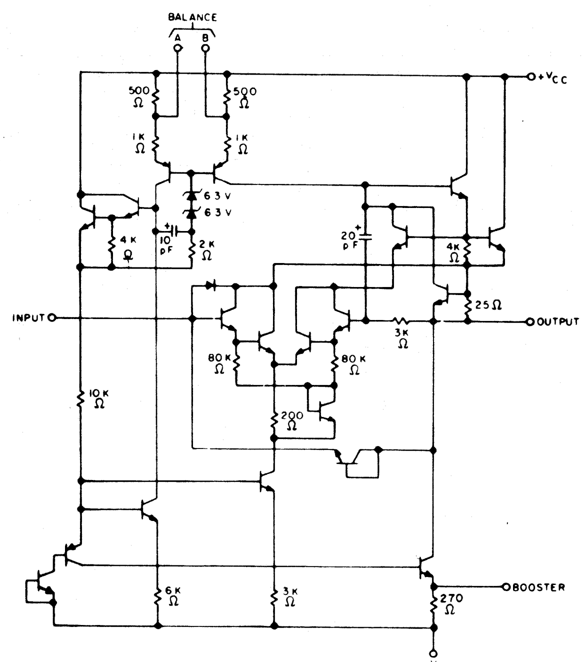
Z348

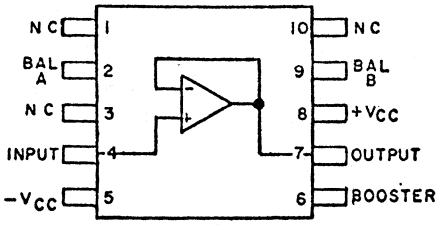


Z348
PIN 4 CONNECTED TO CASE



Z348a
PIN 6 CONNECTED TO BOTTOM OF PACKAGE

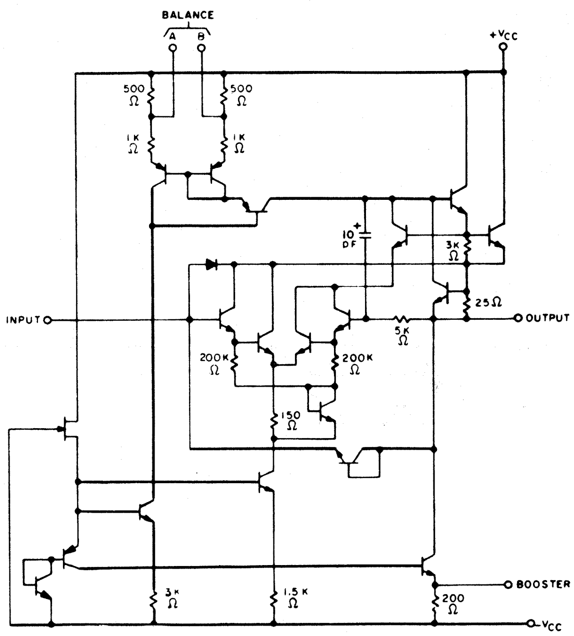


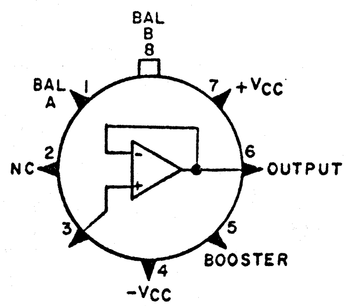


Z348b

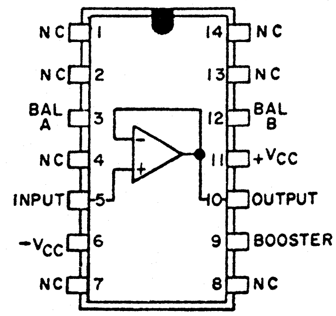
PIN 5 CONNECTED TO BOTTOM OF PACKAGE

Z349

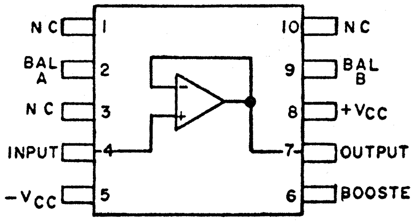




Z349
PIN 4 CONNECTED TO CASE

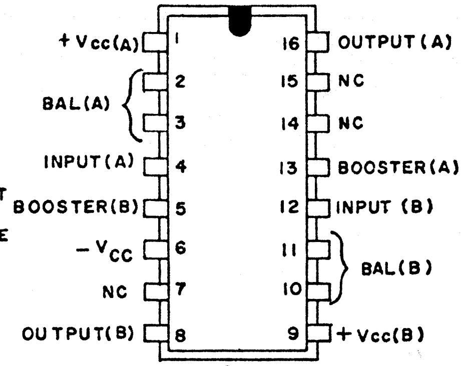


Z349a
PIN 6 CONNECTED TO BOTTOM OF PACKAGE



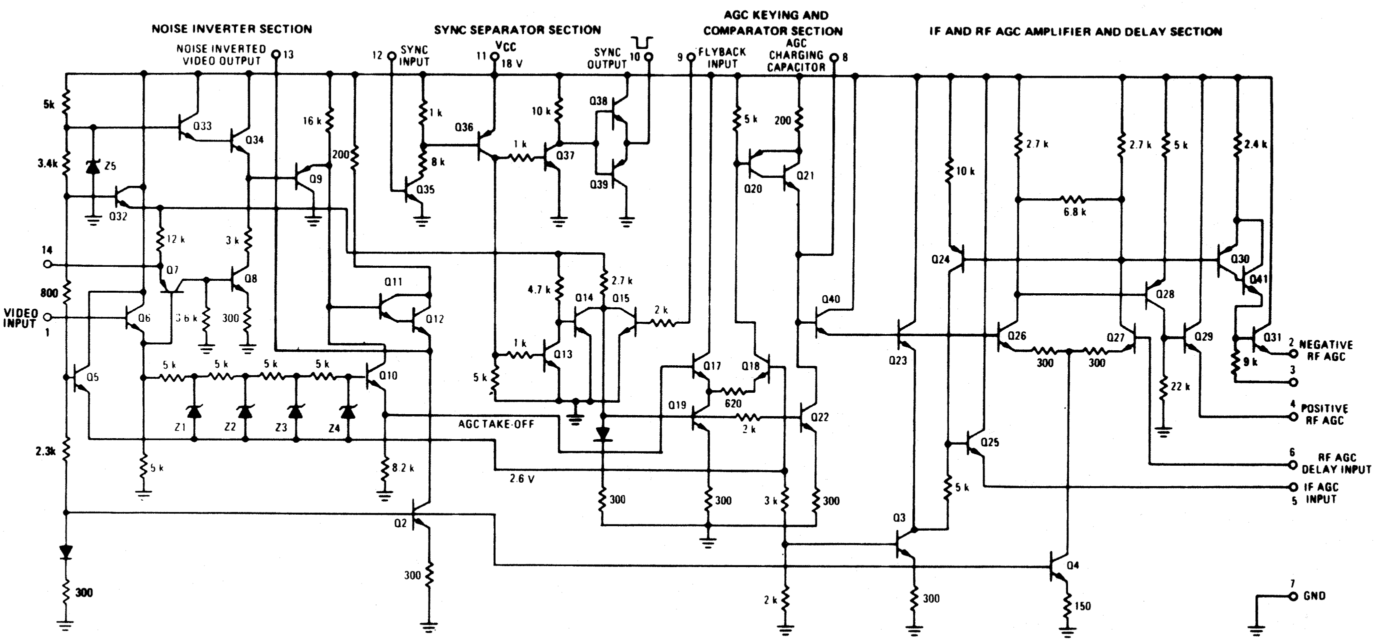
Z349b

PIN 5 CONNECTED TO BOTTOM OF PACKAGE

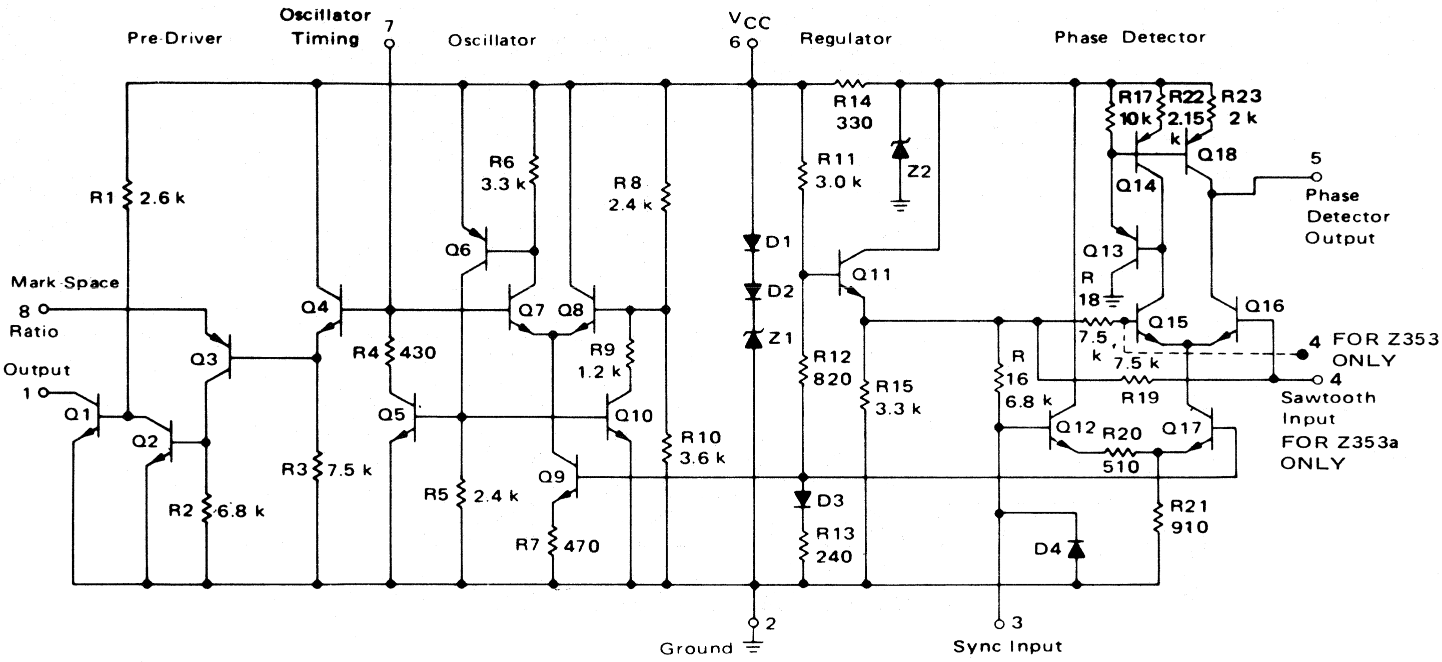


Z349c
16-LEAD DUAL-IN-LINE AND FLAT-PACK

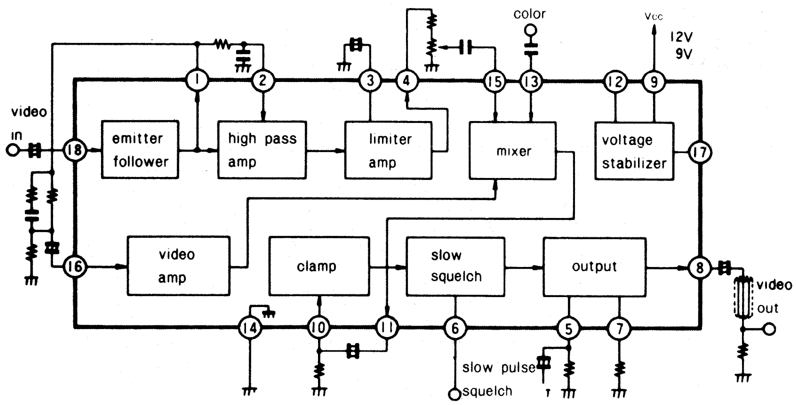
Z352



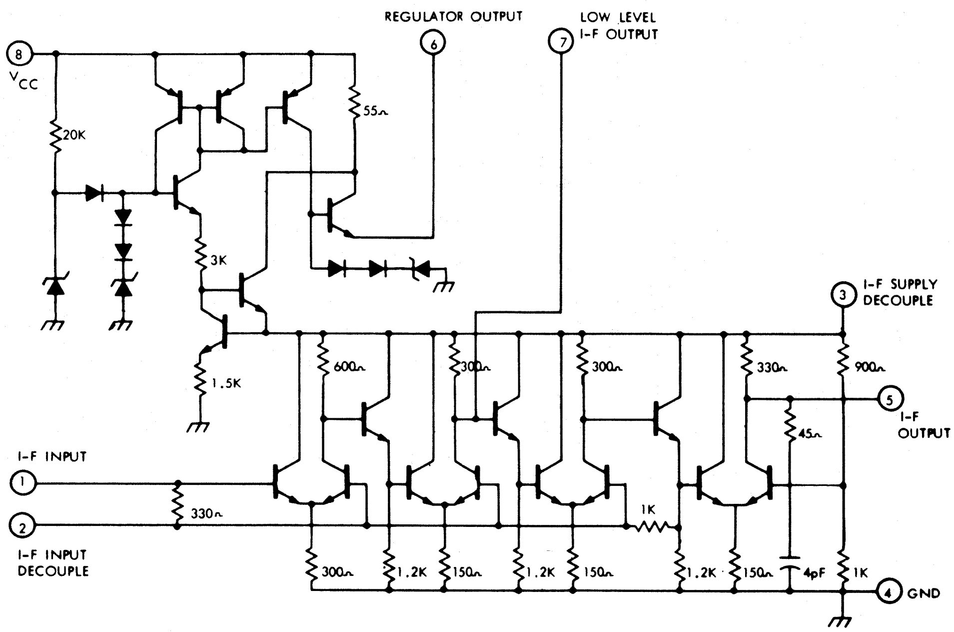
Z353


Pre-Driver
Oscillator Timing
7
Oscillator
VCC
6
Regulator
Phase Detector
R1 2.6 k
R14 330
R17 10 k
R22 2.15 k
R23 2 k
R6 3.3 k
R8 2.4 k
R11 3.0 k
Z2
Q18
5
Phase Detector Output
Q14
Q6
D1
Q13
Mark-Space
8
Ratio
Q4
Q7
Q8
D2
Q11
R 18
Q16
Q15
Output
1
Q3
R4 430
R9 1.2 k
Z1
R12 820
R15 3.3 k
R 16 6.8 k
7.5 k
7.5 k
4 FOR Z353 ONLY
4
R19
Sawtooth Input
FOR Z353a ONLY
Q1
Q2
Q5
Q10
R10 3.6 k
Q12
R20 510
Q17
R3 7.5 k
Q9
R5 2.4 k
D3
R2 6.8 k
R7 470
R13 240
R21 910
D4
2
Ground
3
Sync Input

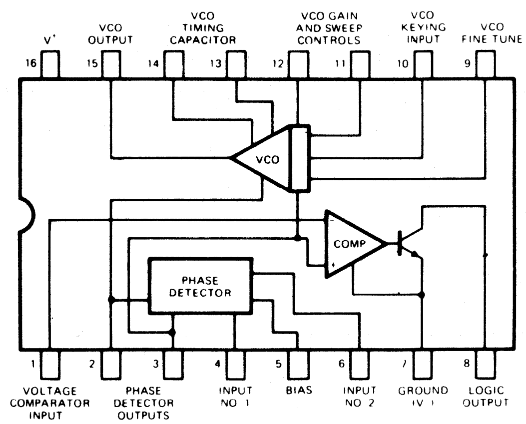
Z354


color
Vcc
12V
9V
video
in
emitter follower
high pass amp
limiter amp
mixer
voltage stabilizer
video amp
clamp
slow squelch
output
video out
slow pulse
squelch

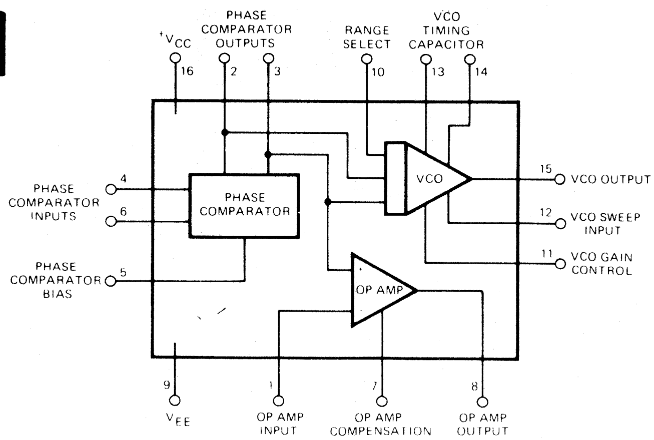
Z356



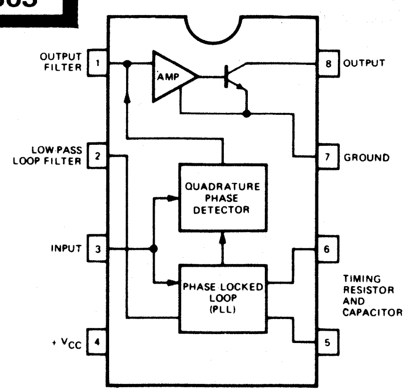
Z361



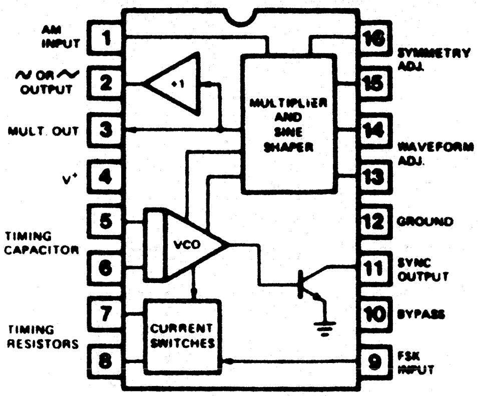
Z362



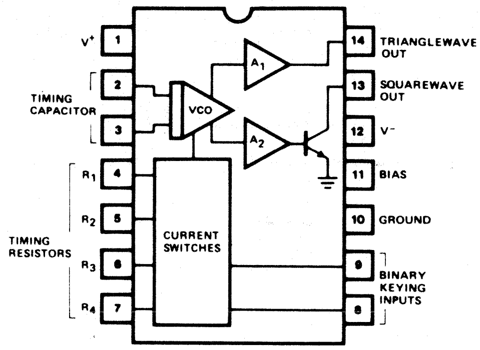
Z363



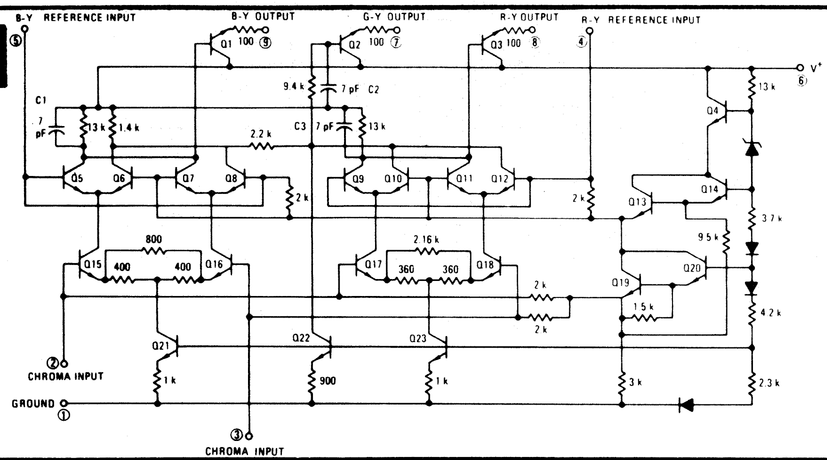
Z364



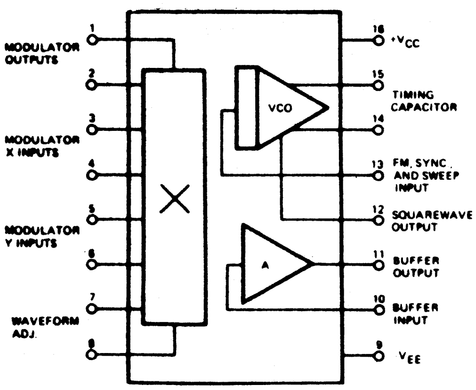
Z365



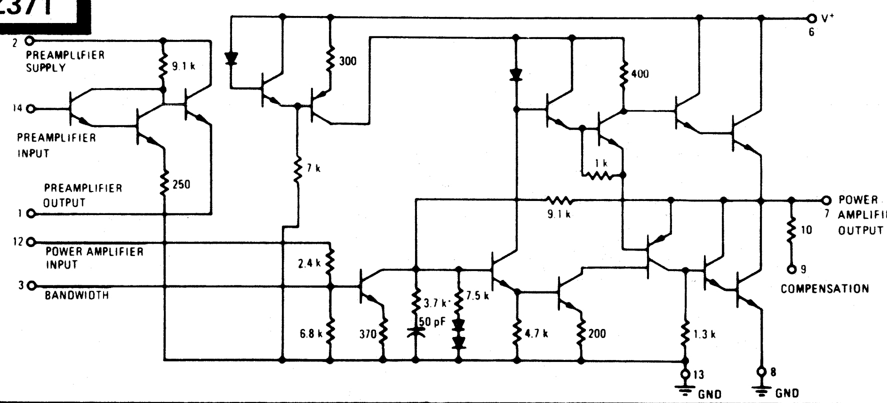
Z366



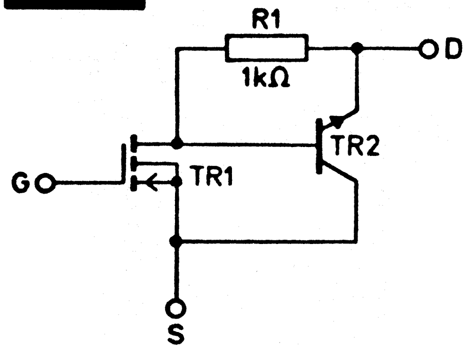
Z370



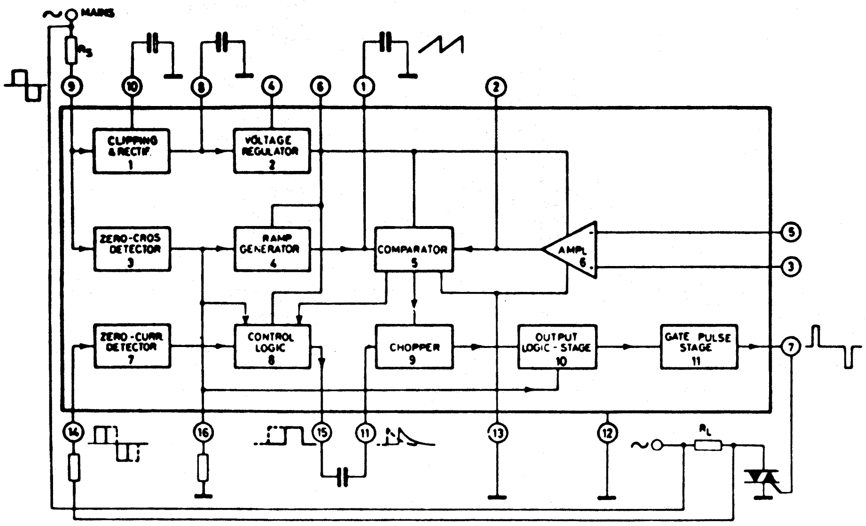
Z371



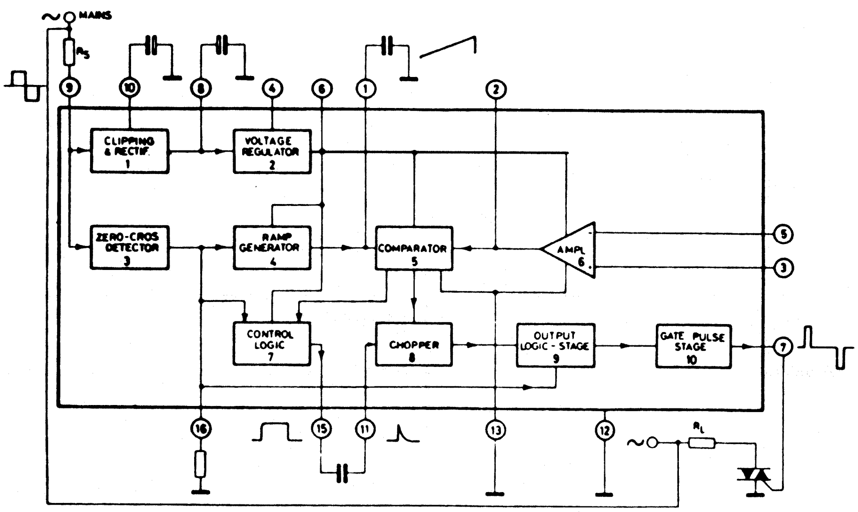
Z374



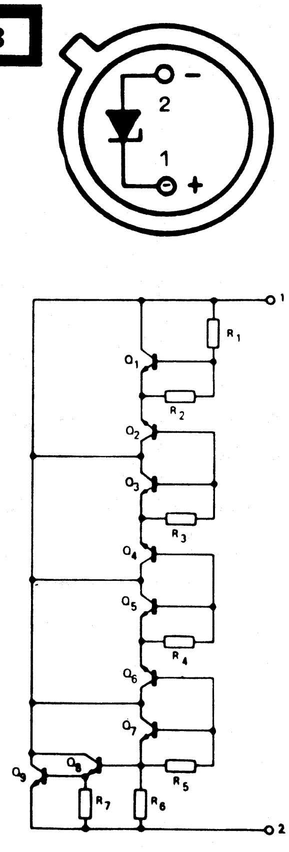
Z376



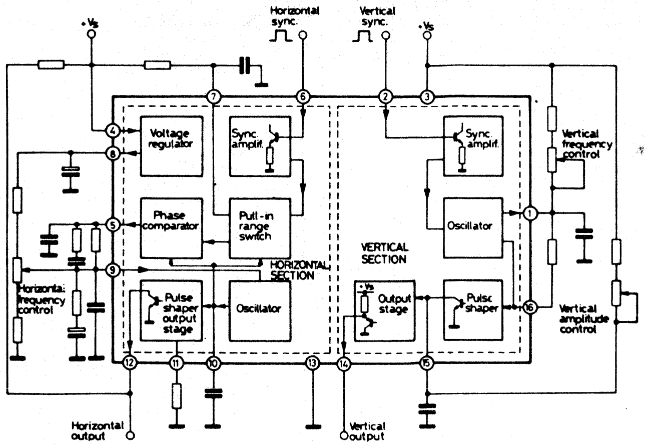
Z377



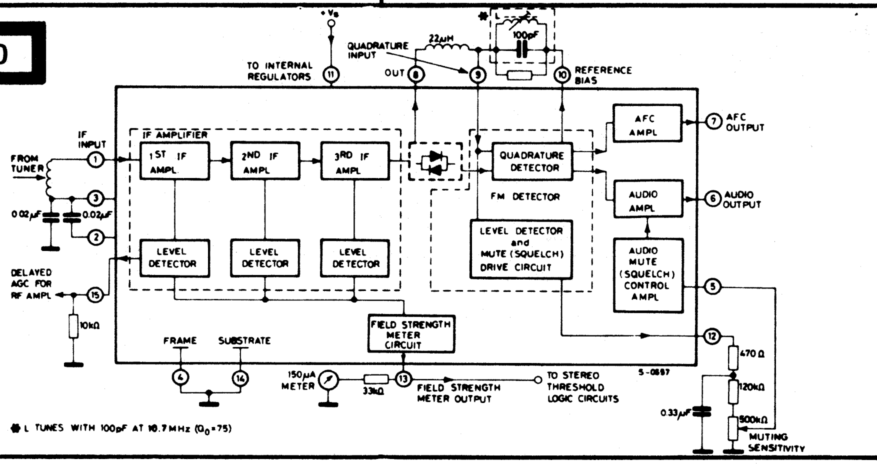
Z378



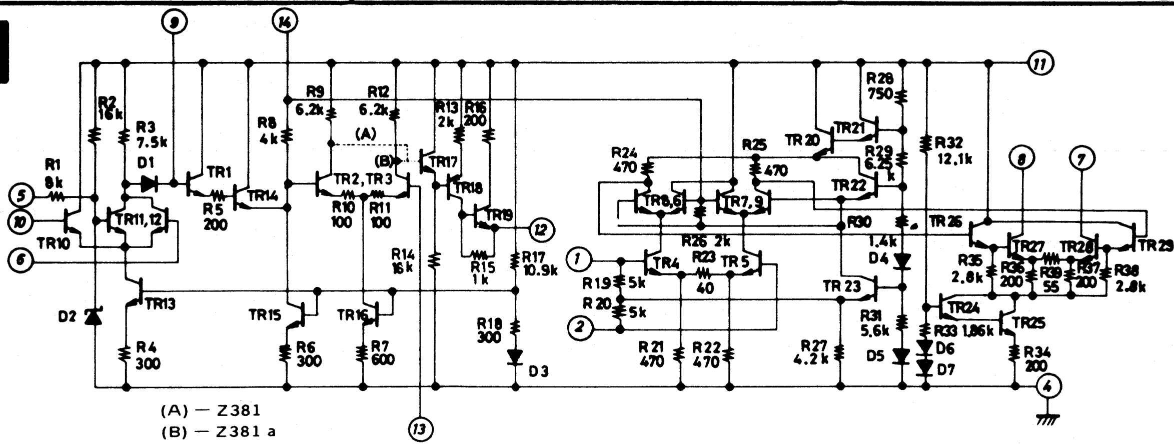
Z379



Z380

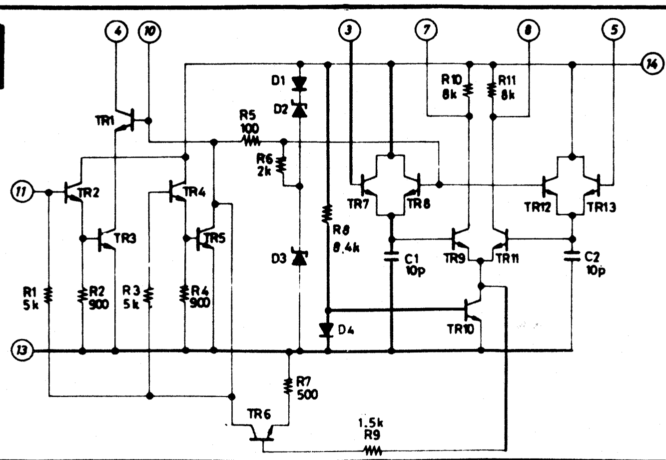


Z381

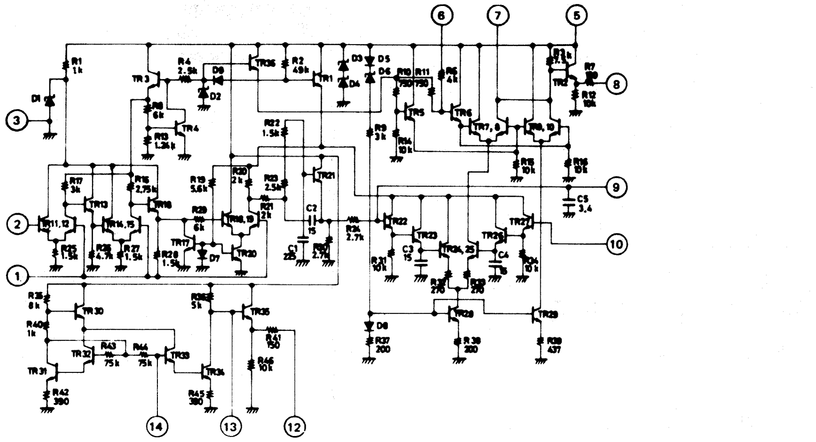


(A) — Z381
(B) — Z381 a

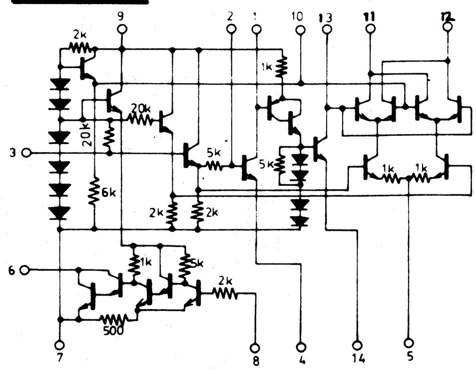
Z382



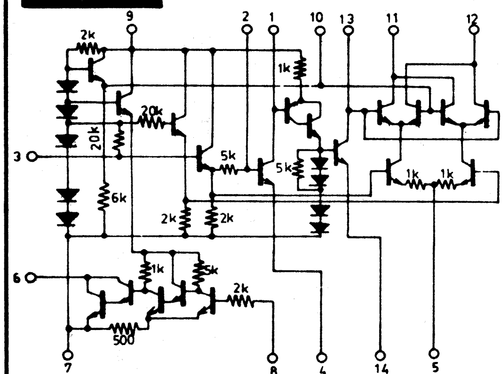
Z383



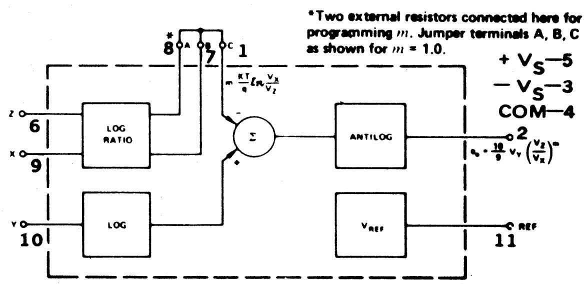
Z384



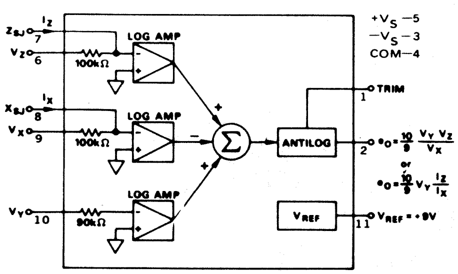
Z385



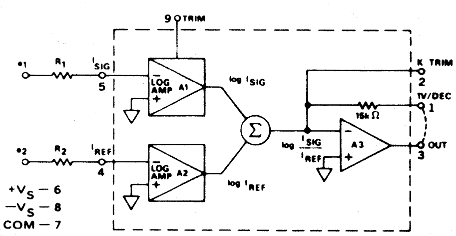
Z391



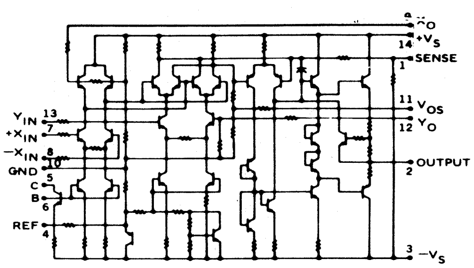
Z392



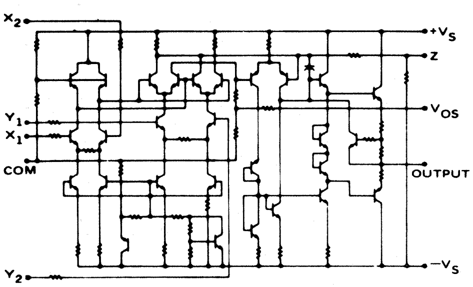
Z394



Z395

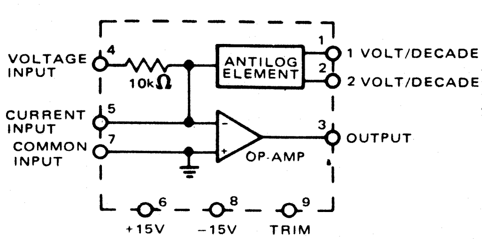


Z396

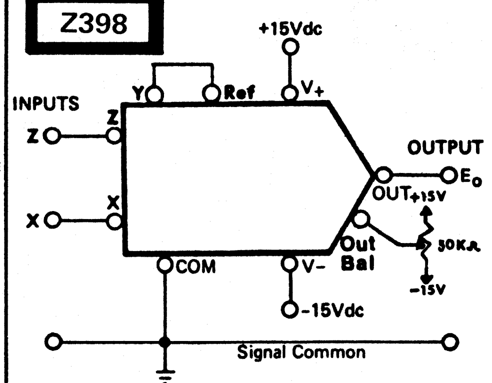


	PKG	X1	X2	Y1	Y2	OUT	Z	VOS	+VS	-VS	COM
Z396	CN	6	7	1	10	4	3	9	2	5	8
	MP	7	9	13	12	2	1	11	14	3	10

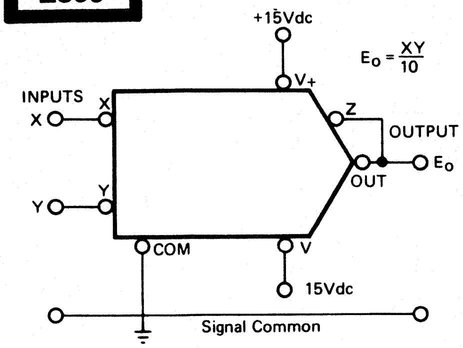
Z397



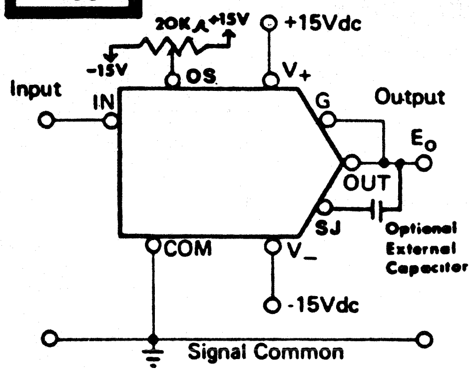
Z398



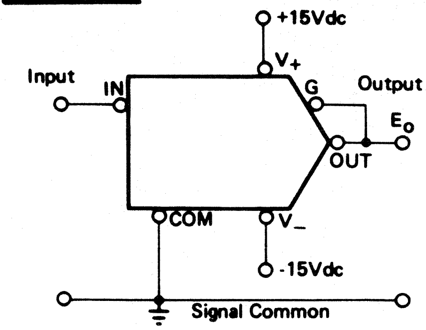
Z399



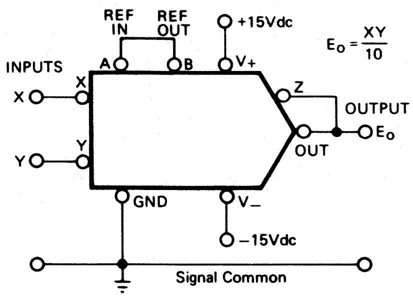
Z400



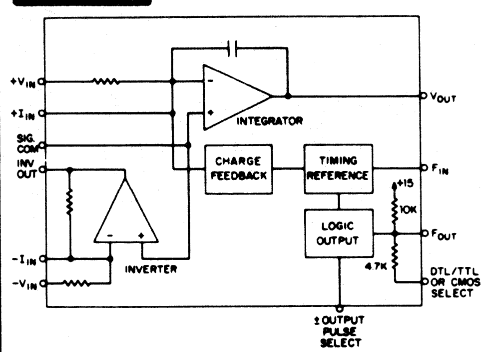
Z401



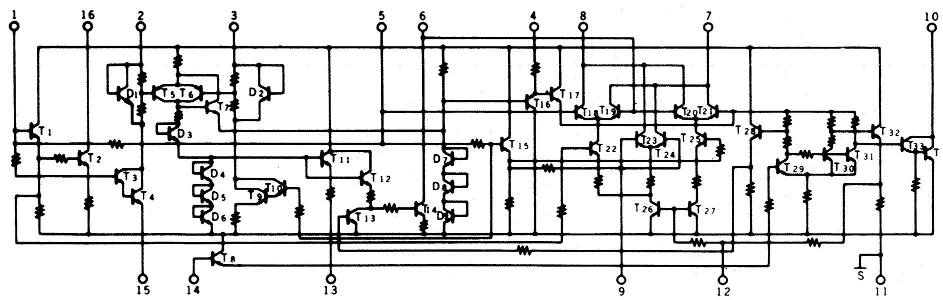
Z402



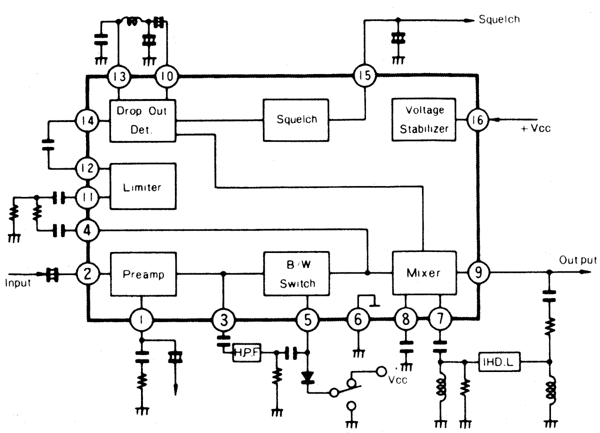
Z406



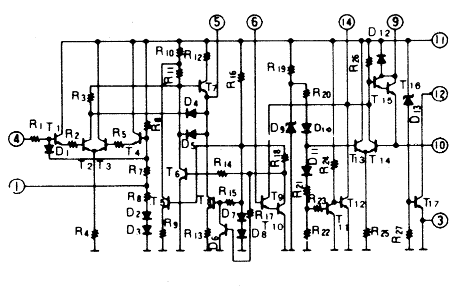
Z409



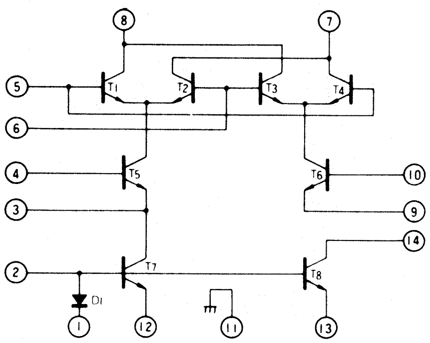
Z410



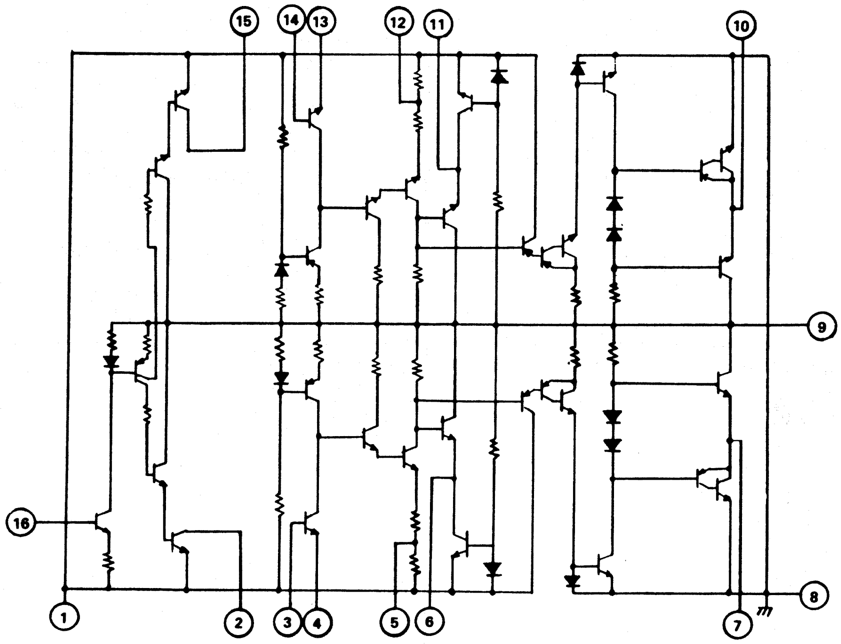
Z411



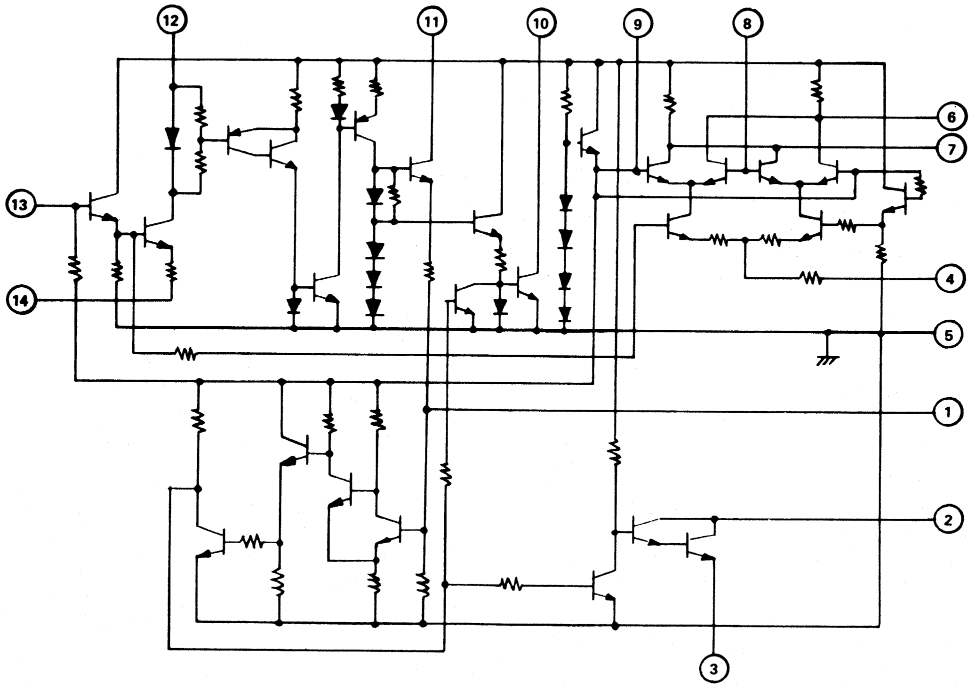
Z412



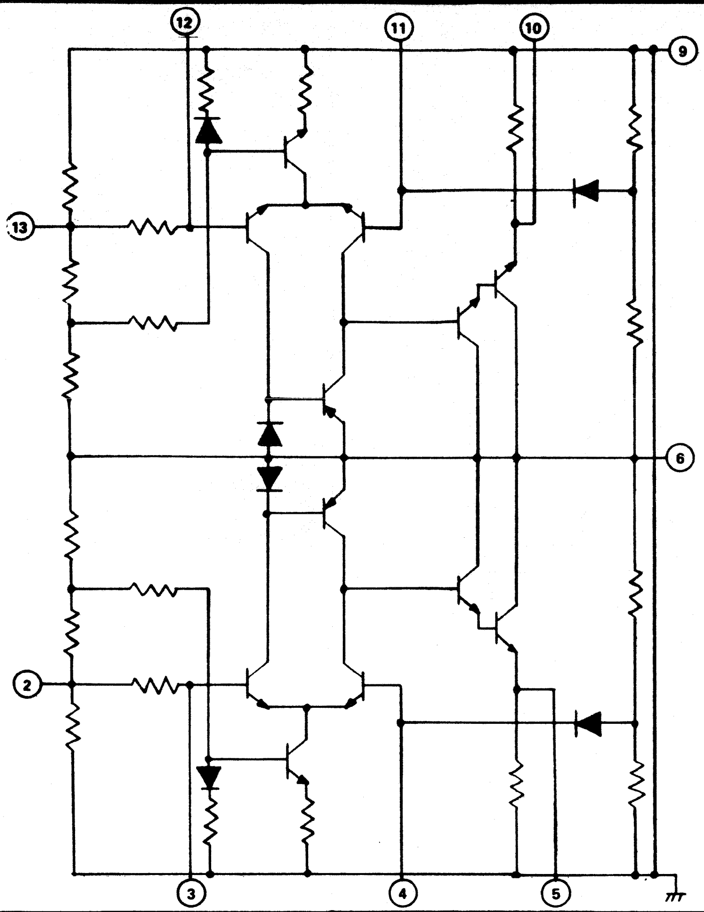
Z413



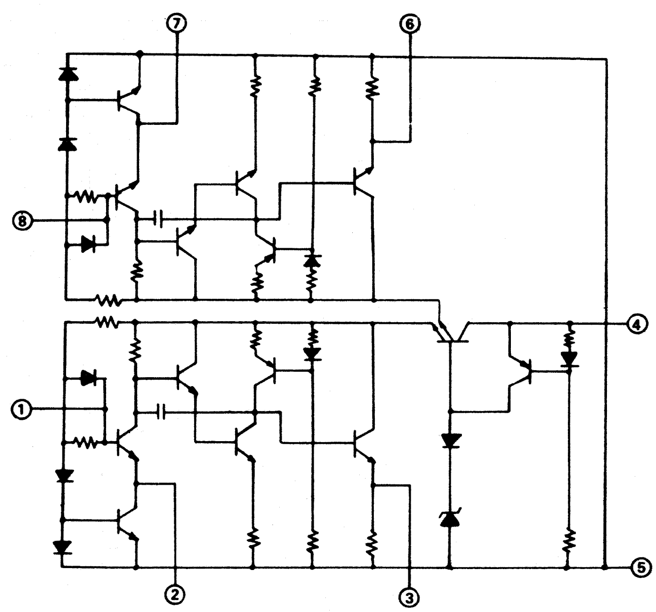
Z414



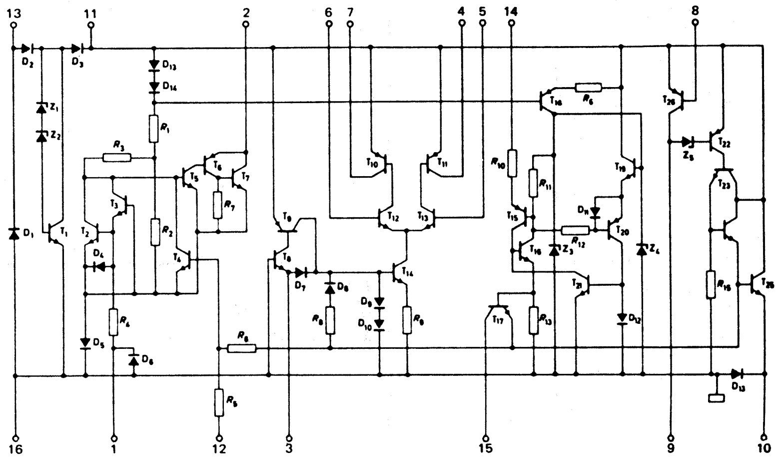
Z415



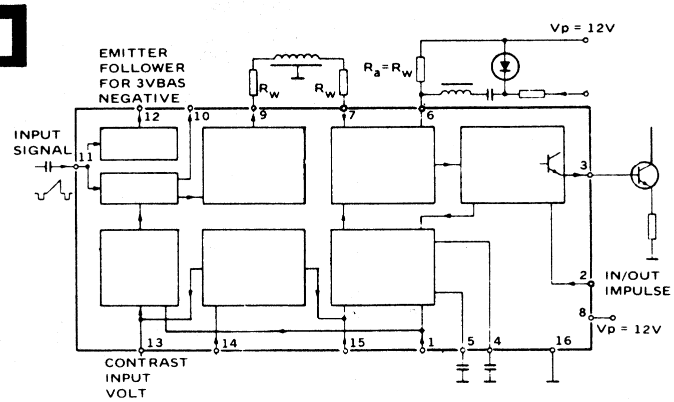
Z416



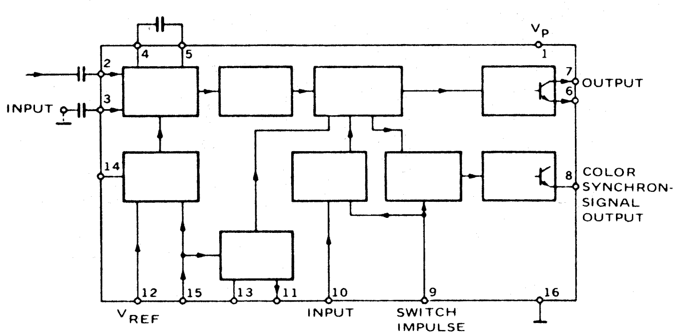
Z419



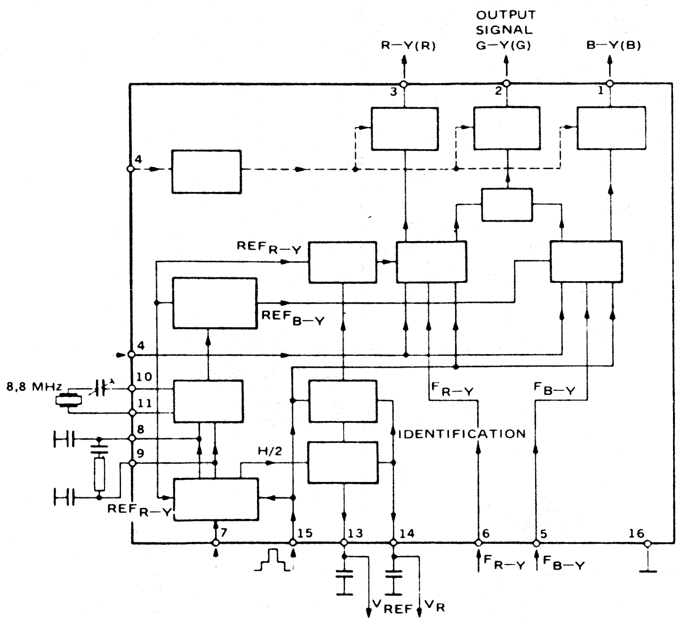
Z420



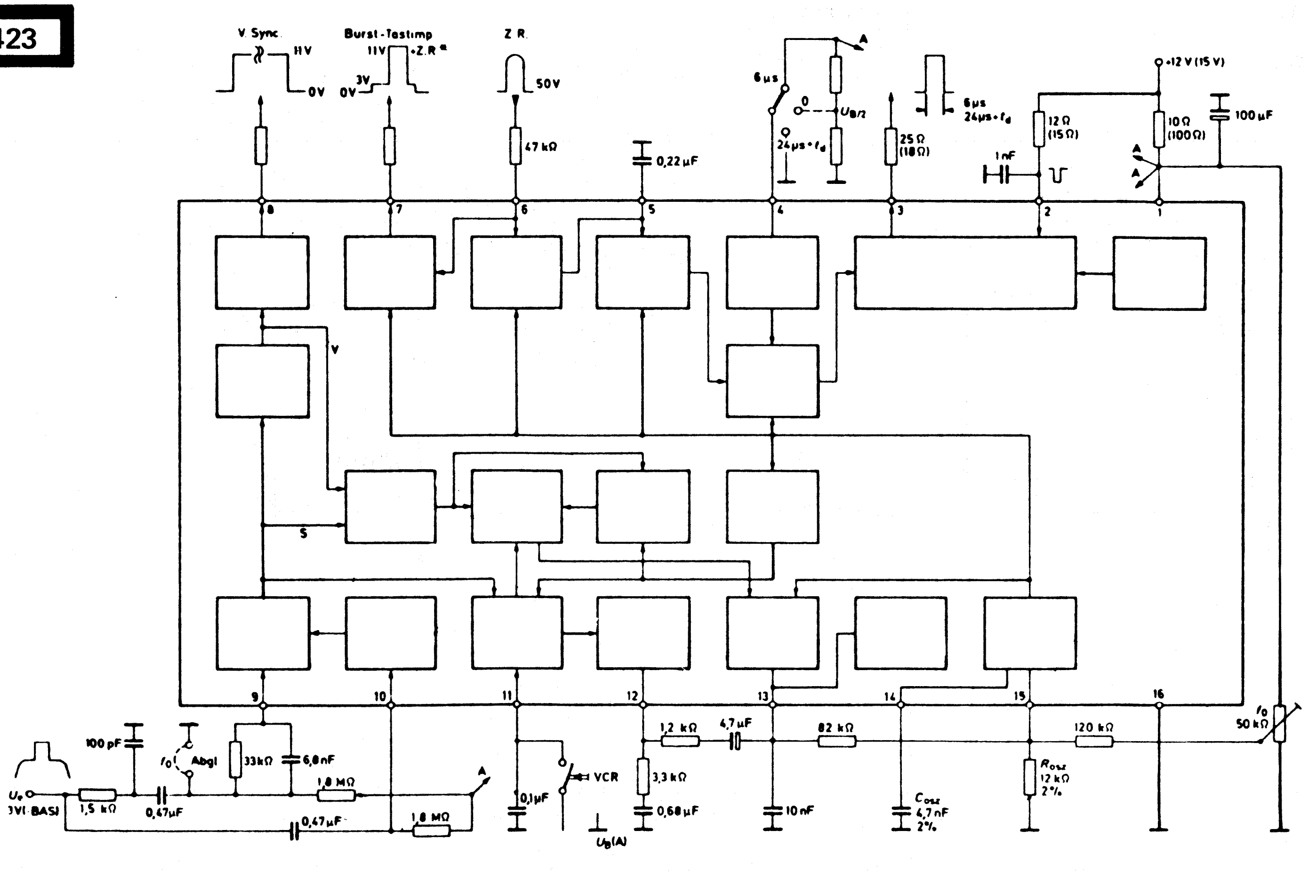
Z421



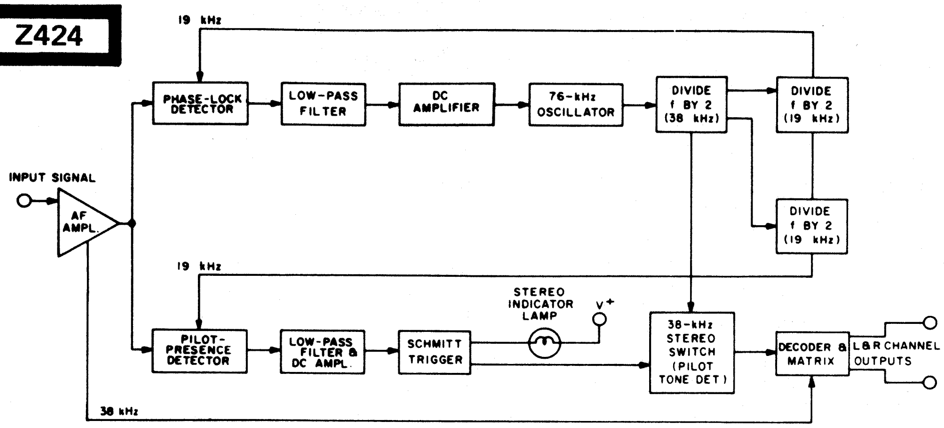
Z422


OUTPUT SIGNAL
R−Y(R)
G−Y(G)
B−Y(B)
REF R−Y
REF B−Y
8,8 MHz
H/2
REF R−Y
IDENTIFICATION
F R−Y
F B−Y
F R−Y
F B−Y
V REF
V R

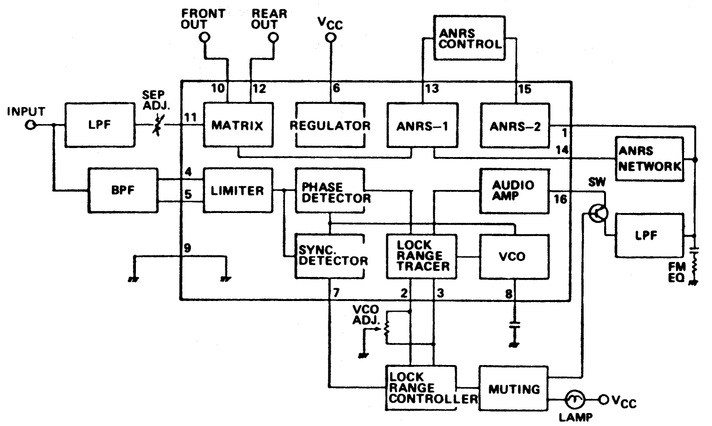
Z423


V Sync.
11V
0V
Burst-Tastimp
11V
+Z.R.
3V
0V
Z.R.
50V
47 kΩ
0,22 µF
6µs
0
U B/2
24µs+t d
25 Ω (18 Ω)
6µs
24µs+t d
12 Ω (15 Ω)
1nF
+12 V (15 V)
10 Ω (100 Ω)
100 µF
V
S
U e
3V(-BAS)
1,5 kΩ
100 pF
0,47µF
f 0
Abgl
33kΩ
6,8nF
1,8 MΩ
0,47µF
1,8 MΩ
0,1µF
VCR
U B(A)
1,2 kΩ
4,7µF
3,3 kΩ
0,68µF
10 nF
82 kΩ
C osz
4,7 nF
2%
R osz
12 kΩ
2%
120 kΩ
f 0
50 kΩ

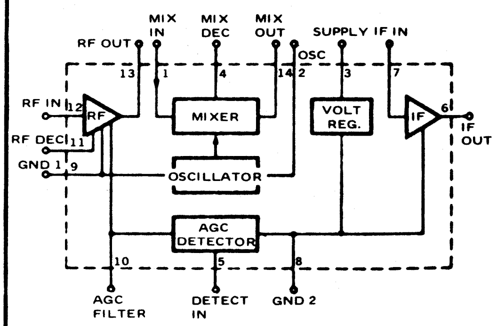
Z424



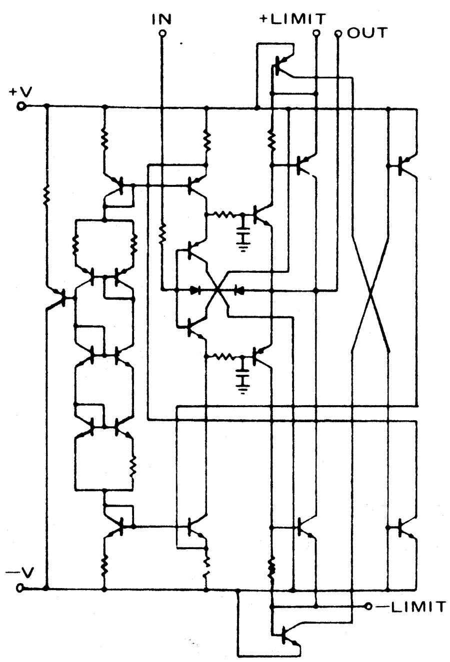
Z425



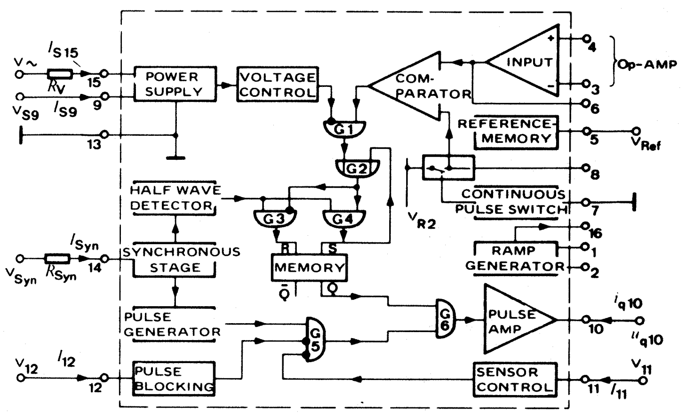
Z426



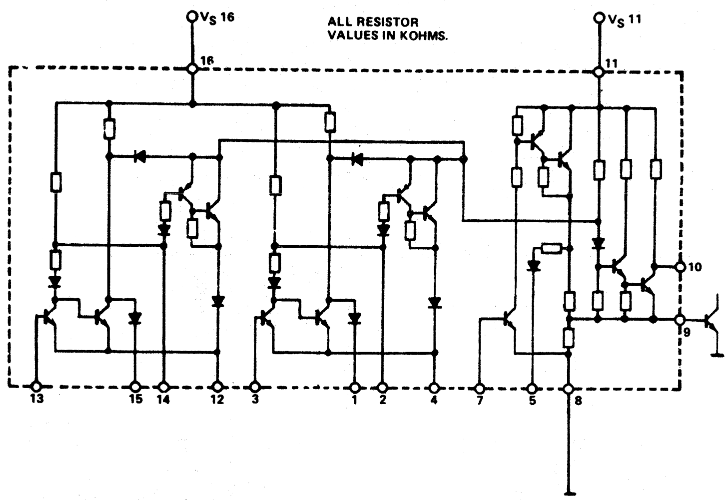
Z427



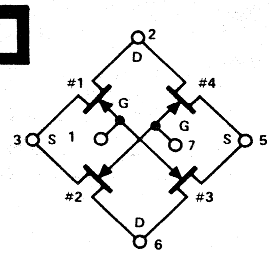
Z428



Z429



Z430

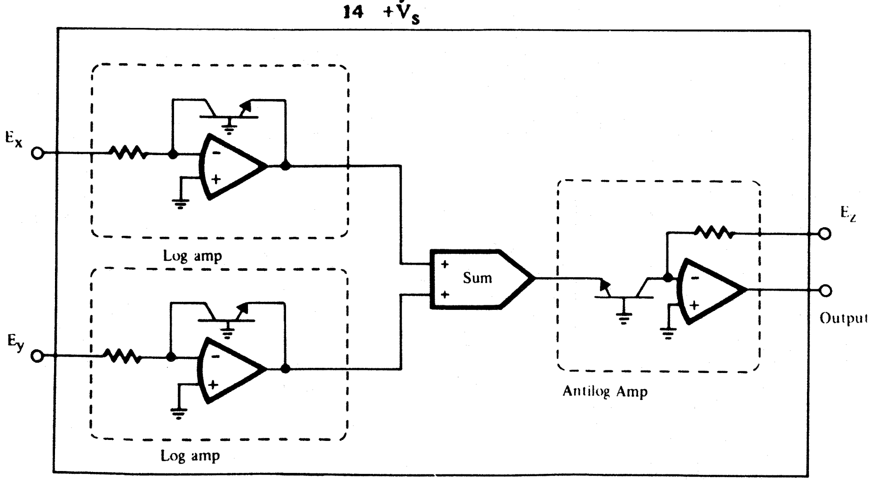


PIN	OUT	PIN	OUT
1	G_1, G_3	5	S_3, S_4
2	D_1, D_4	6	D_2, D_3
3	S_1, S_2	7	G_2, G_4
4	GND	8	GND

Z433

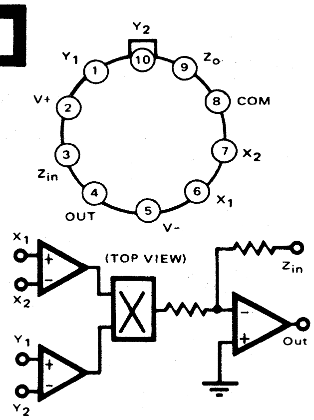
PIN CONNECTIONS

1 E_z
2 Output
3 $-V_s$
4 Feedthrough Adj.
5 Make No Connection
6 Make No Connection
7 E_x
8 Internal Reference
9 Make No Connection
10 Ground
11 Feedthrough Adj.
12 Offset Adj.
13 E_y
14 $+V_s$

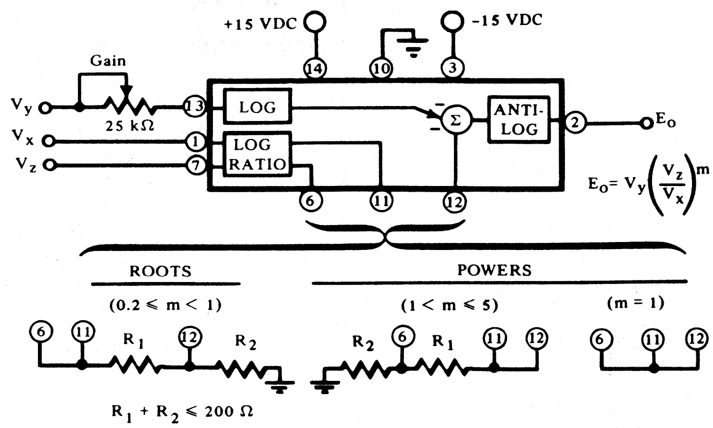


PIN 1 IS IDENTIFIED BY A BLACK DOT ON THE TOP SURFACE

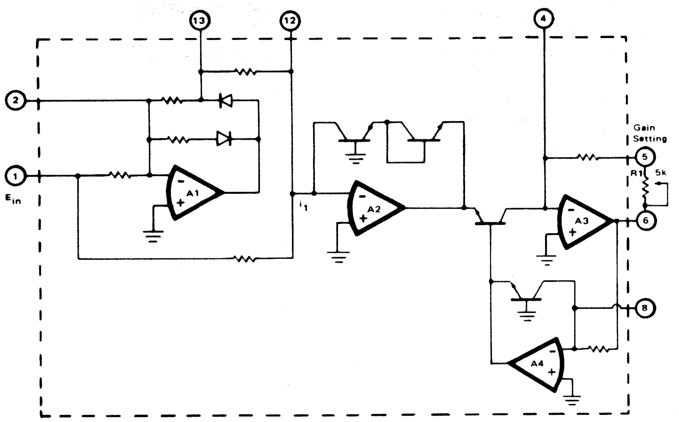
Z434



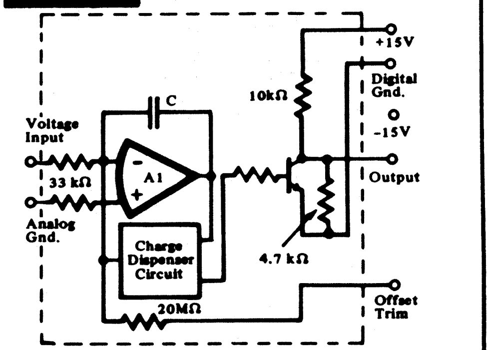
Z435



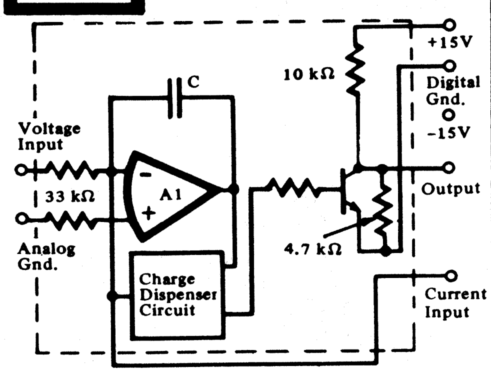
Z436



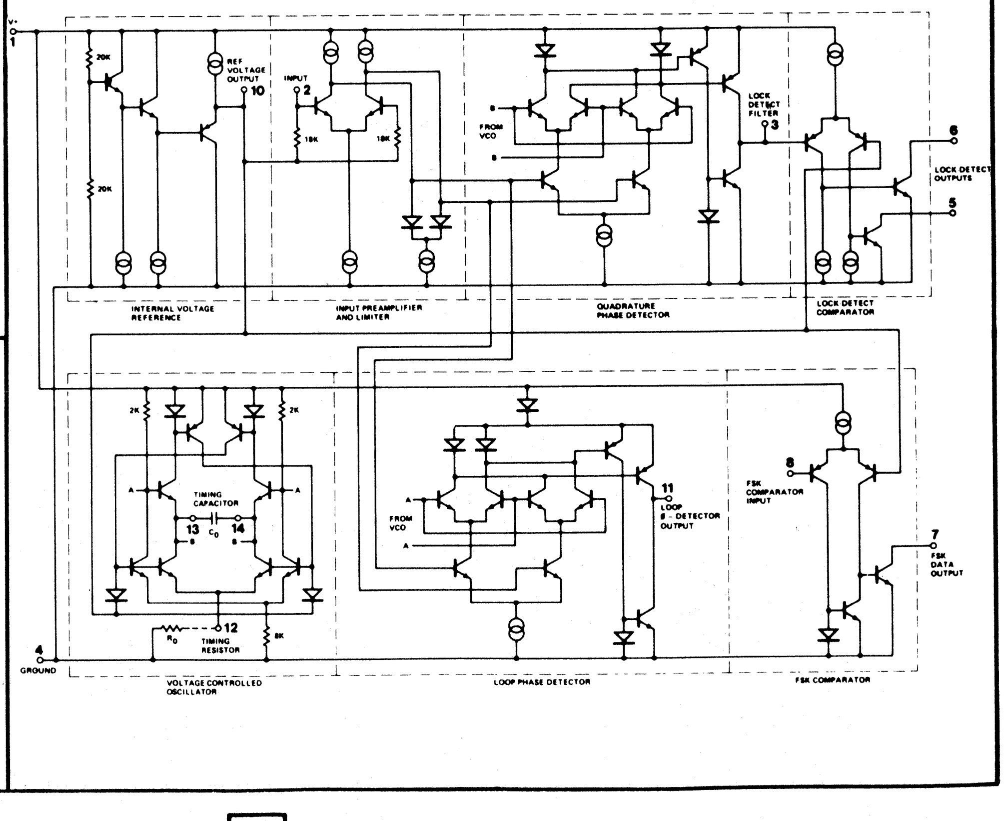
Z437



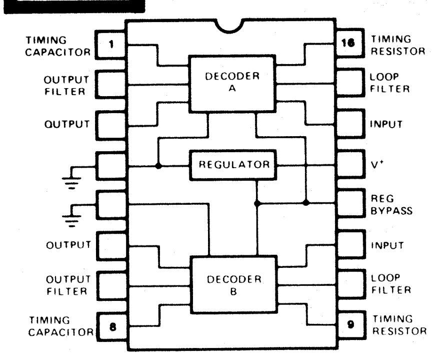
Z438



Z440



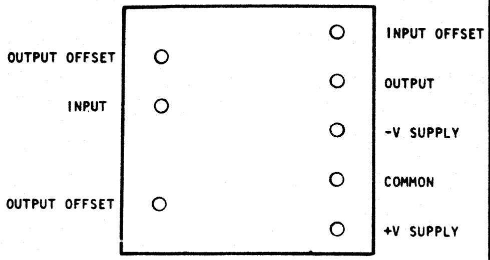
Z441



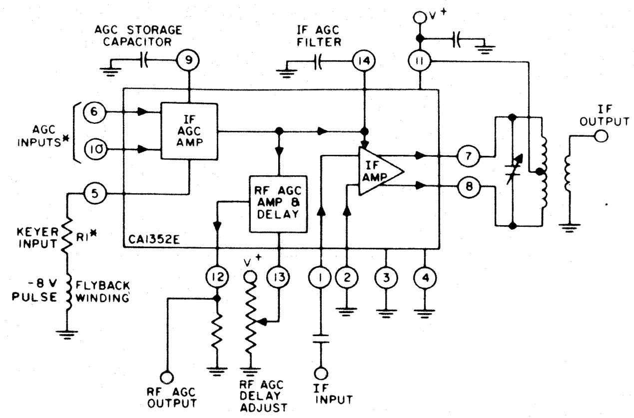
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

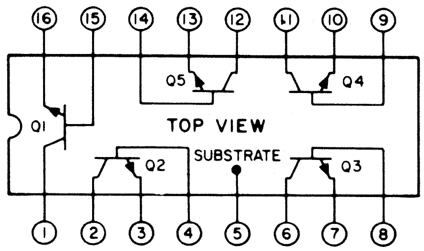
Z444



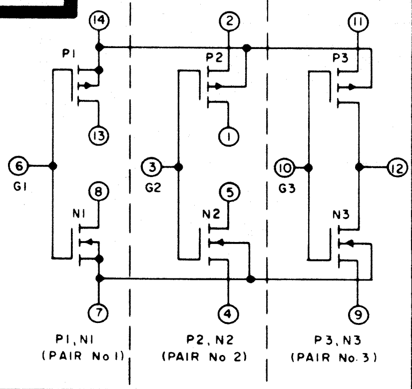
Z446



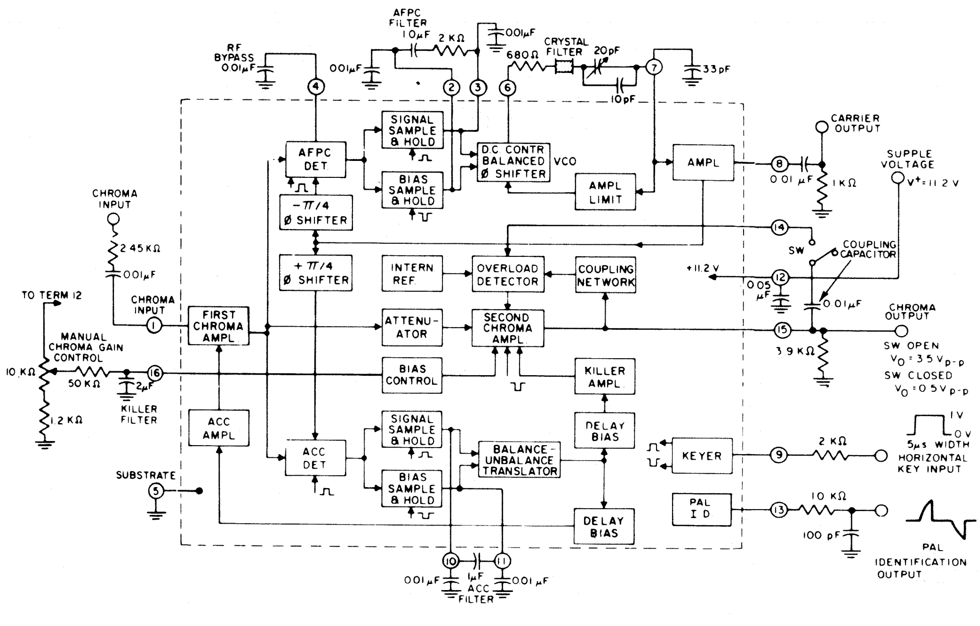
Z447



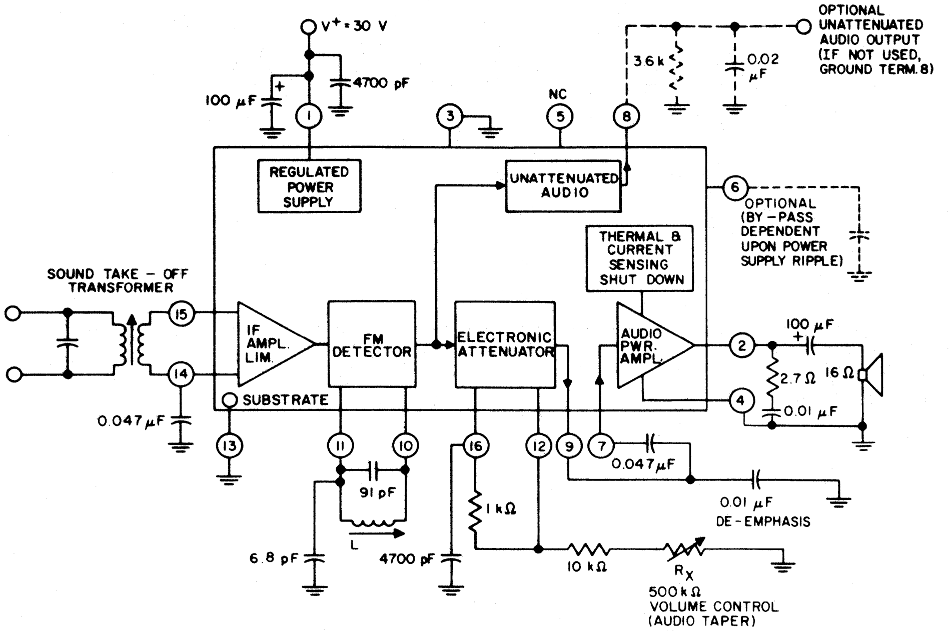
Z448



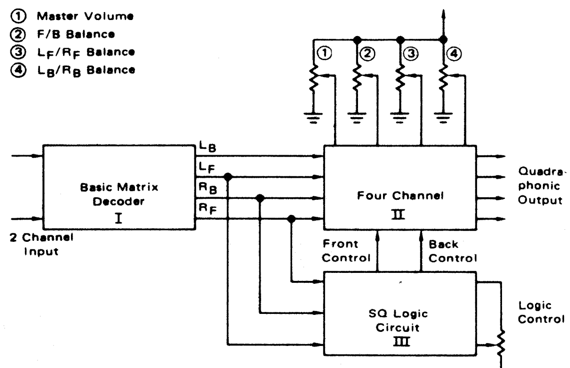
Z449



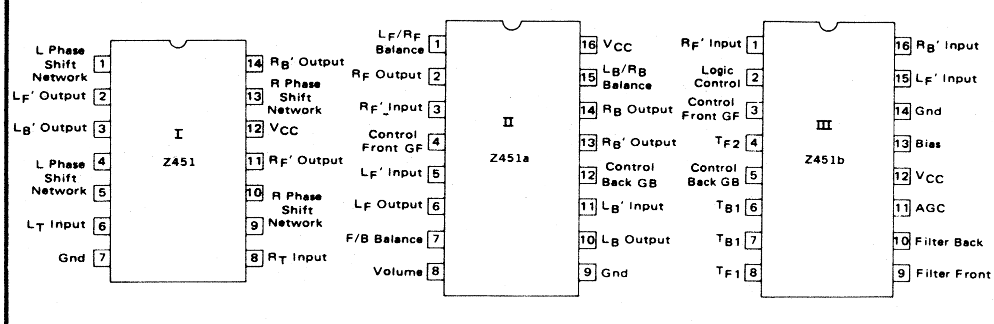
Z450



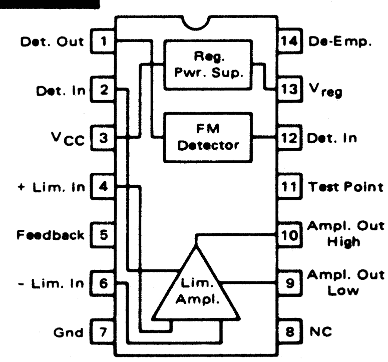
Z451



Front to Back Separation 15-20 dB

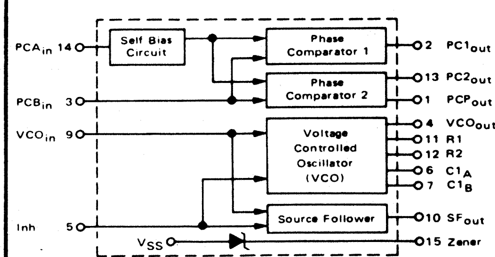


Z452

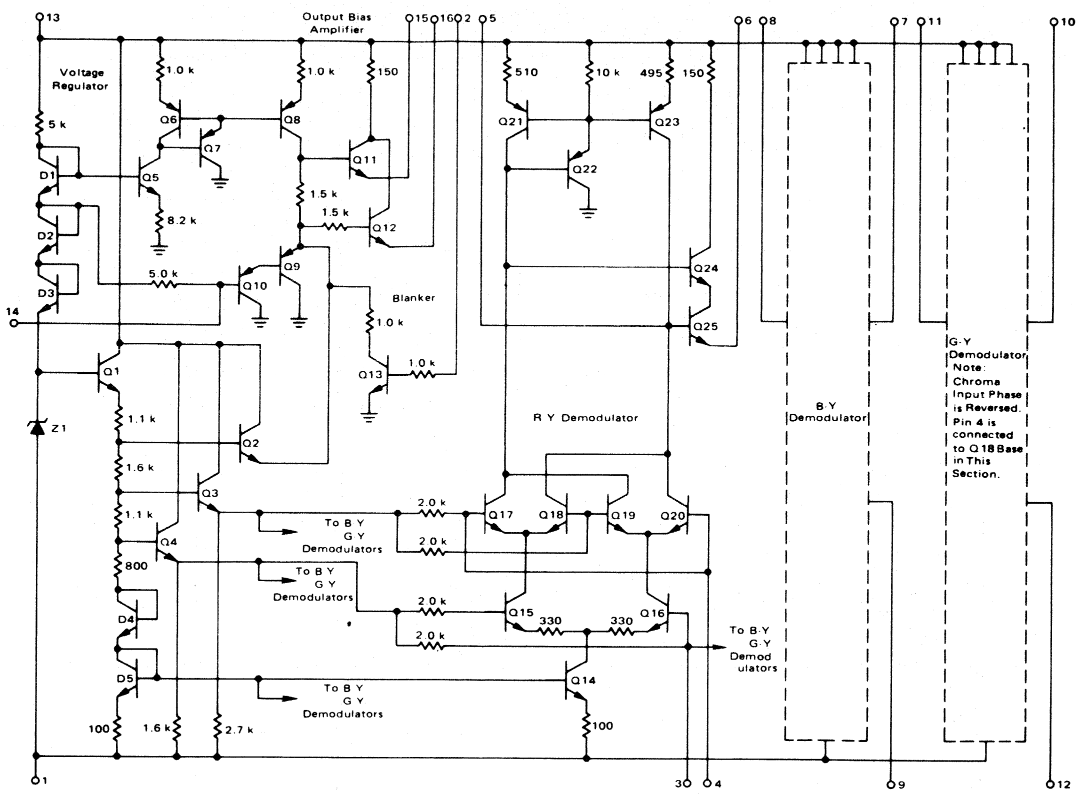


Z453

V_{DD} = Pin 16
V_{SS} = Pin 8



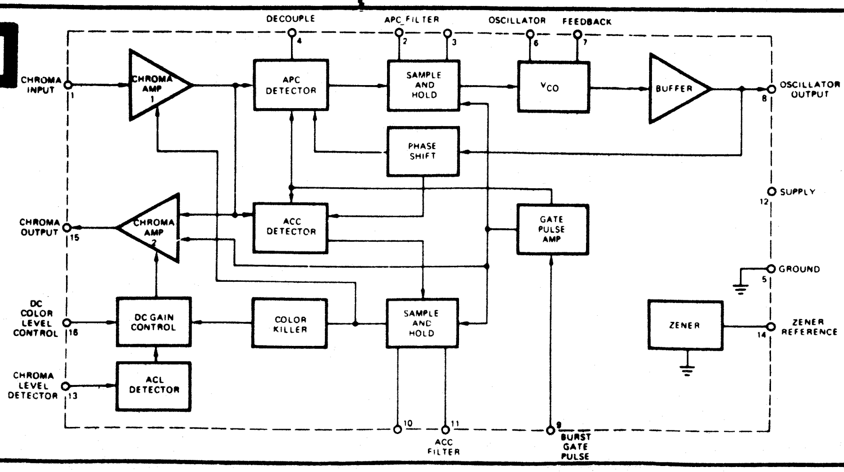
Z454



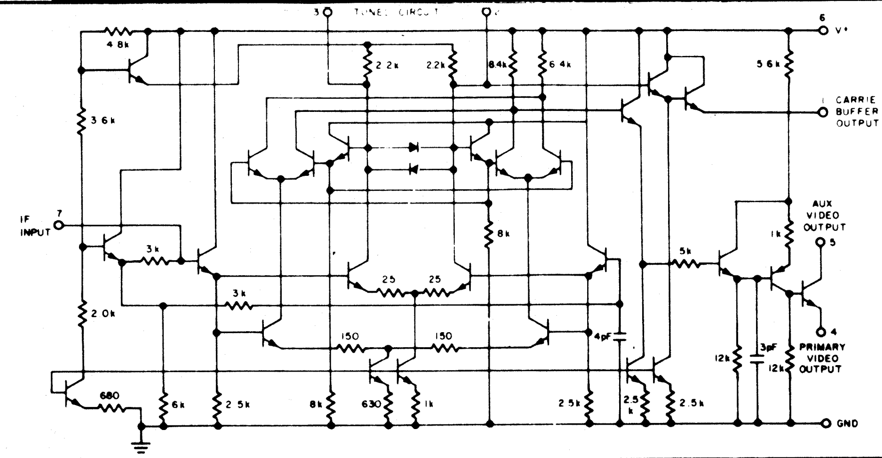
Z455

PIN
Q1 { 1. COLLECTOR
2. BASE
3. EMITTER }
4. NOT CONNECTED
Q2 { 5. EMITTER
6. BASE
7. COLLECTOR }
Q3 { 8. COLLECTOR
9. BASE
10. EMITTER }
11. NOT CONNECTED
Q4 { 12. EMITTER
13. BASE
14. COLLECTOR }

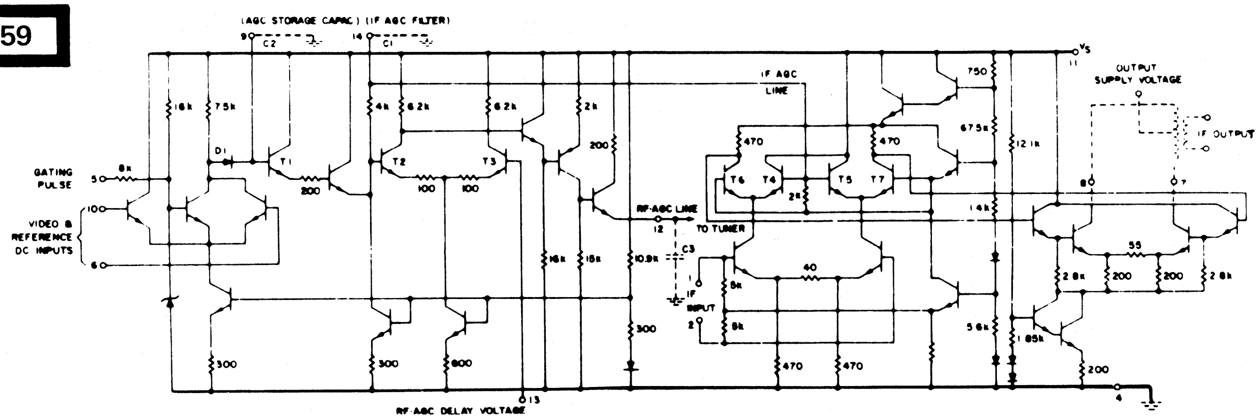
Z457



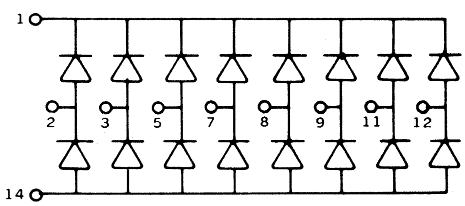
Z458



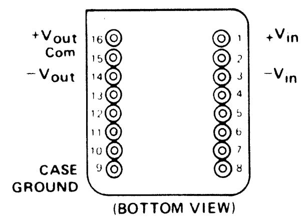
Z459



Z460



Z461



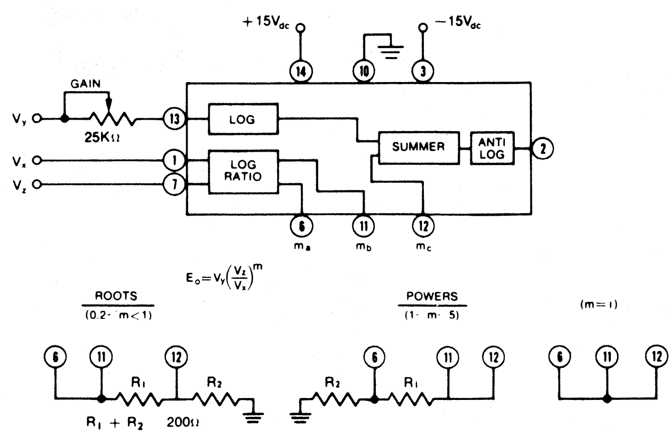
NOTES:

1. Pins 14 and 15 connected internally on single output versions.
2. Pins 2, 4, 5, 6, 7, 8, 10, 11, 12, and 13 are NC.

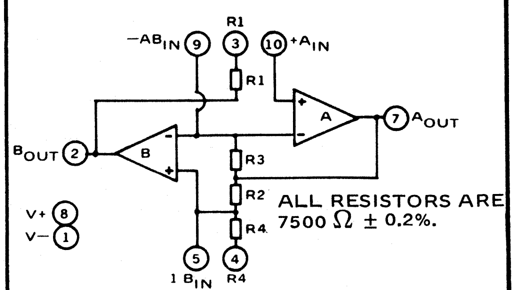
Z462

PIN CONNECTIONS
BOTTOM VIEW

1. X Input (V_x)
2. Output (E_o)
3. −15 VDC
4. Output Offset
5. X Offset
6. m_a
7. Z Input (V_z)
8. Z Offset
9. Y Offset
10. Common
11. m_b
12. m_c
13. Y Input (V_y)
14. +15 VDC

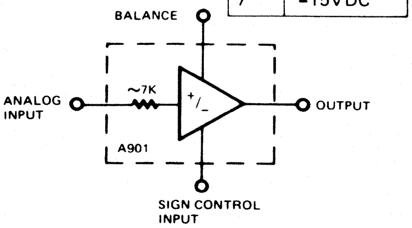


Z465

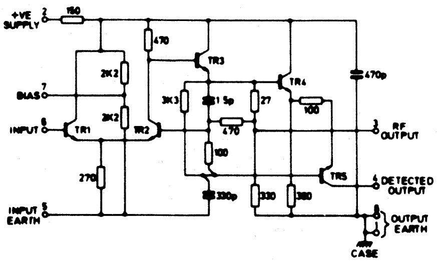


Z466

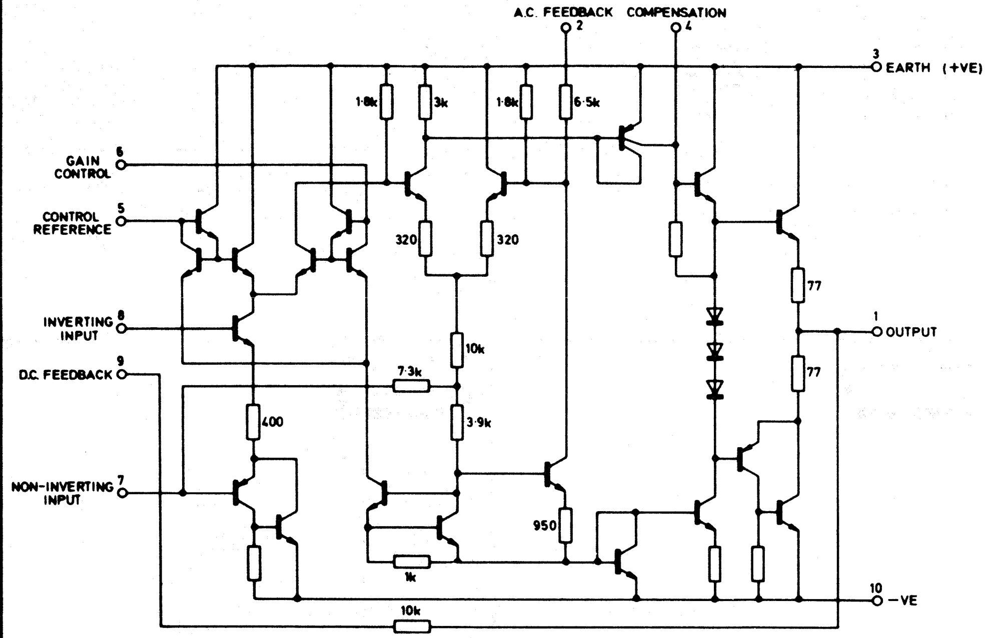
PIN NO.	FUNCTION
1	OUTPUT
2	BALANCE
3	GRD
4	INPUT
5	SIGN
6	+15VDC
7	-15VDC



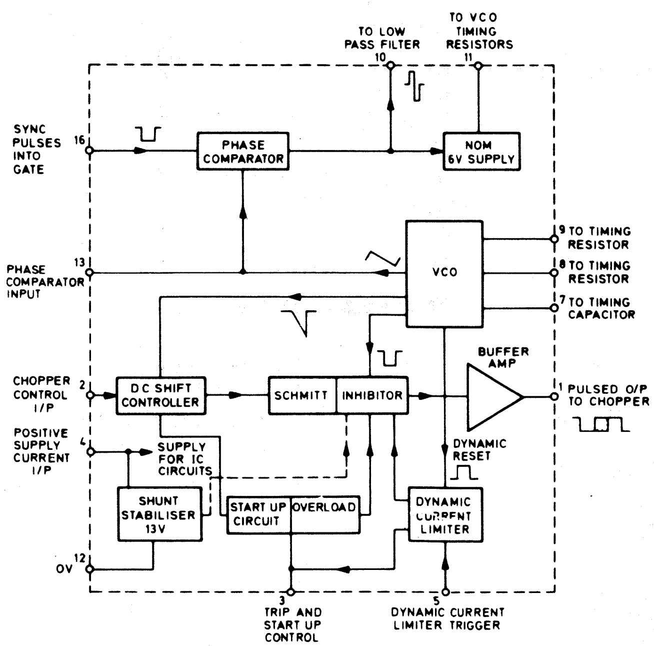
Z467



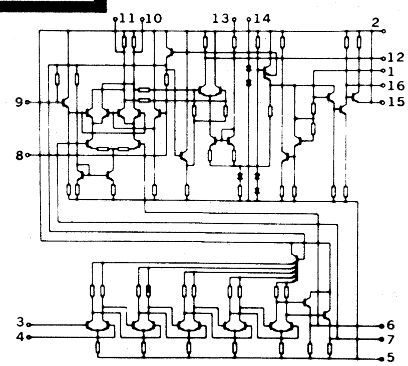
Z468



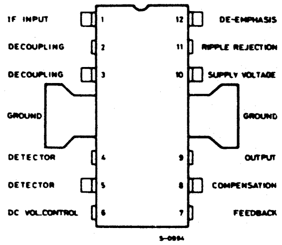
Z469

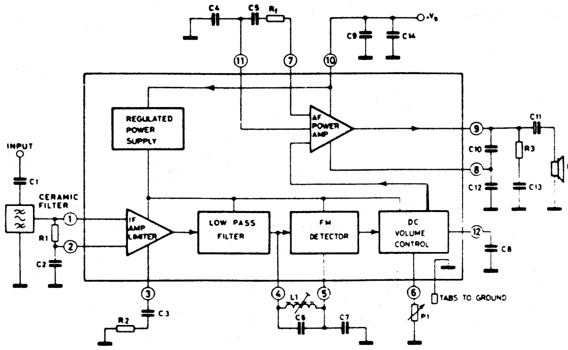


Z470

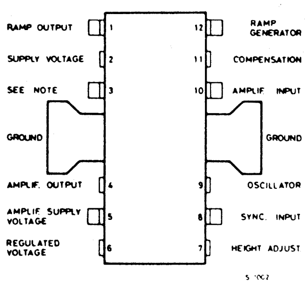


Z471

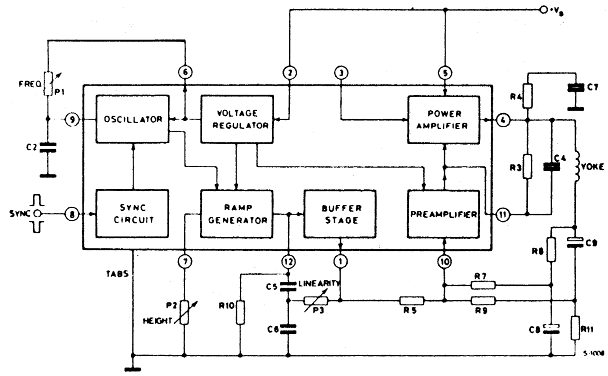




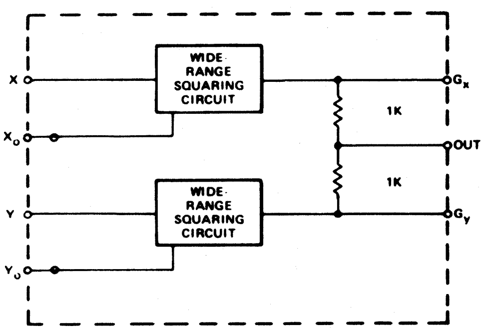
Z472



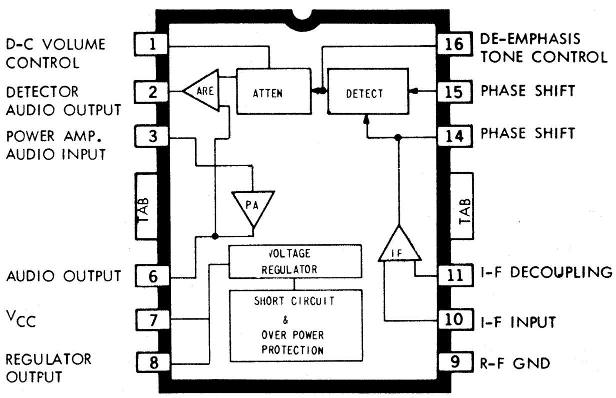
Note: PIN3, internally connected, must be left open



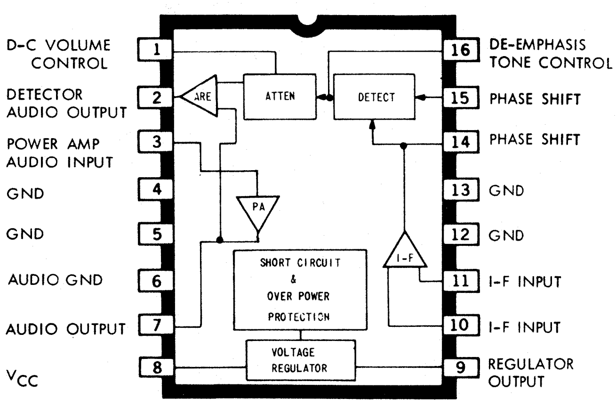
Z476



Z477



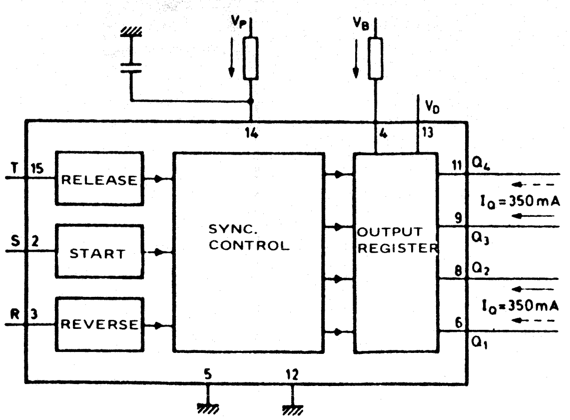
Z478



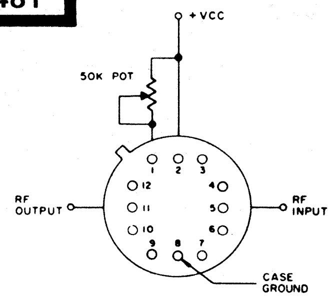
Z479

PIN	
1	Y1
2	+15V
3	Z
4	OUT
5	−15V
6	X1
7	X2
8	COM.
9	Vos
10	Y2

Z480

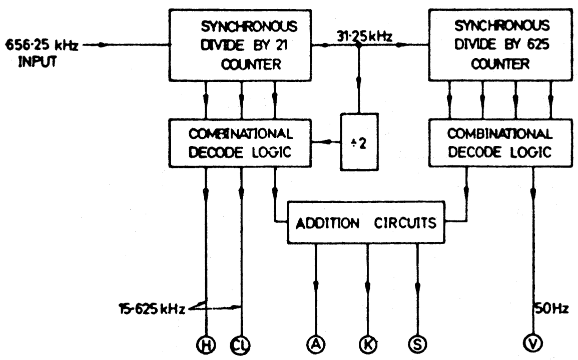


Z481

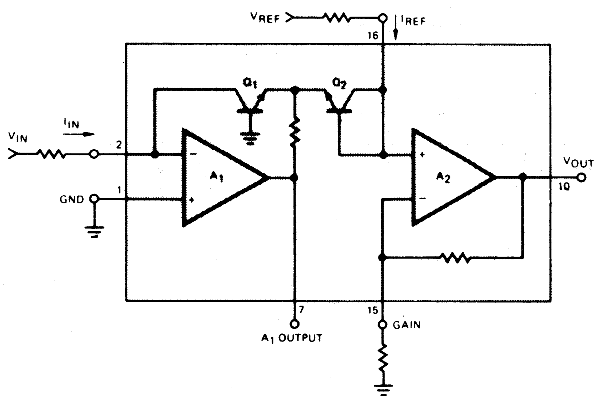


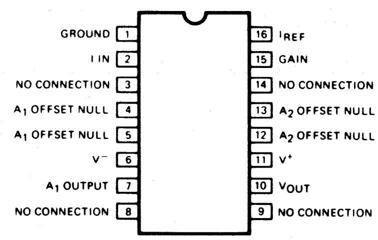
NOTES
1 PIN 4, OPEN INTERNALLY.
2 PINS 3,6,7,8,9,10 & 12 GND INTERNALLY.

Z484

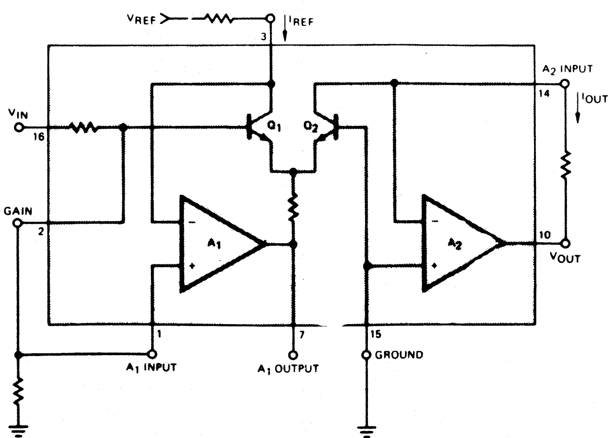


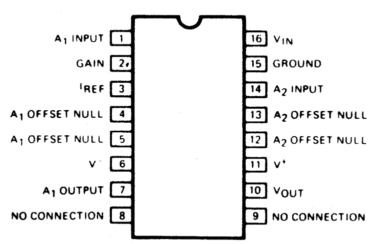
Z485



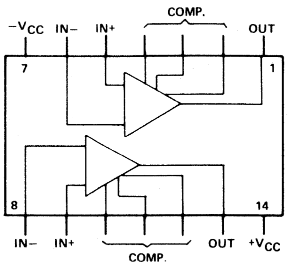


Z486



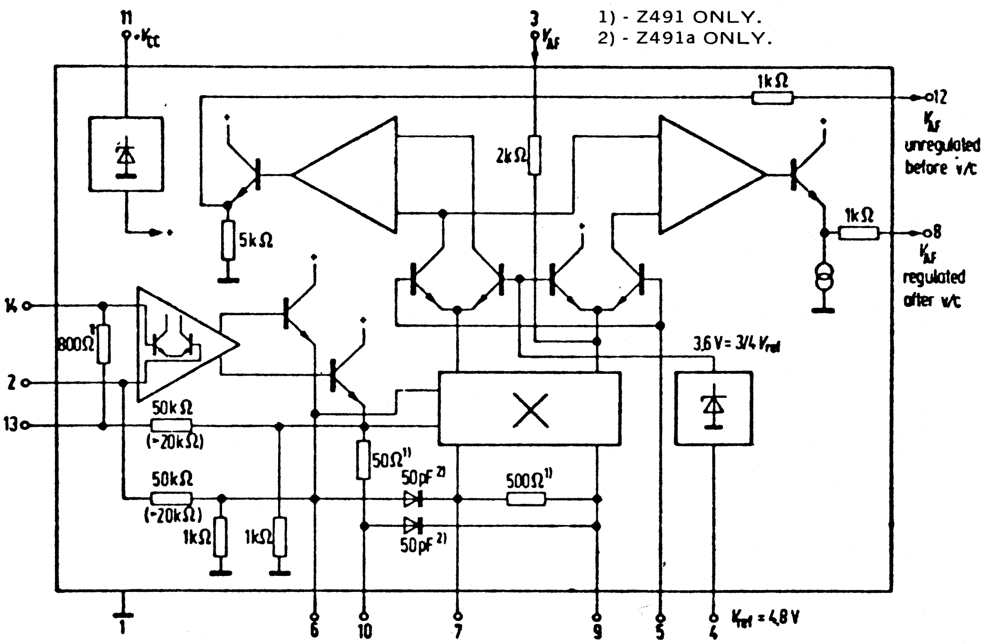


Z488



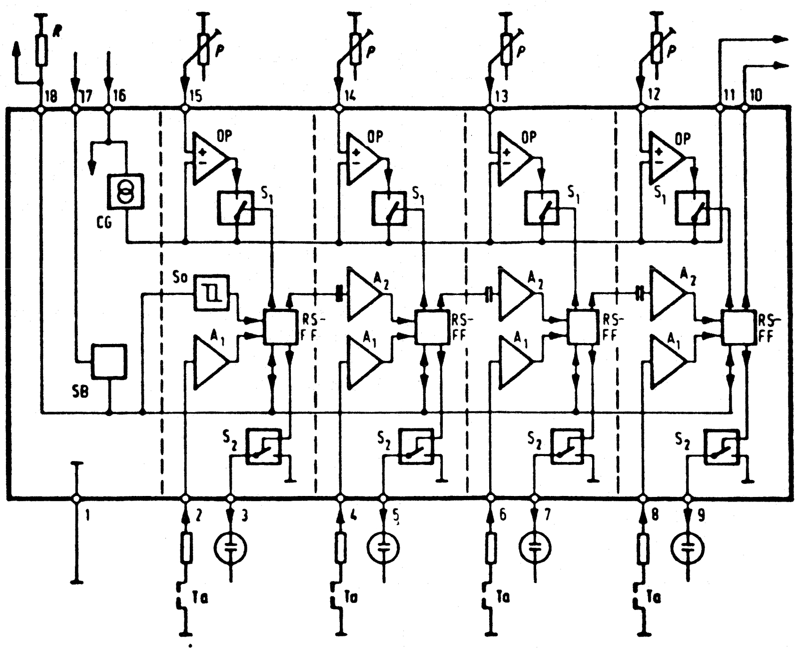
$-V_{CC}$
IN–
IN+
COMP.
OUT
7
1
8
14
IN–
IN+
COMP.
OUT
$+V_{CC}$

Z491

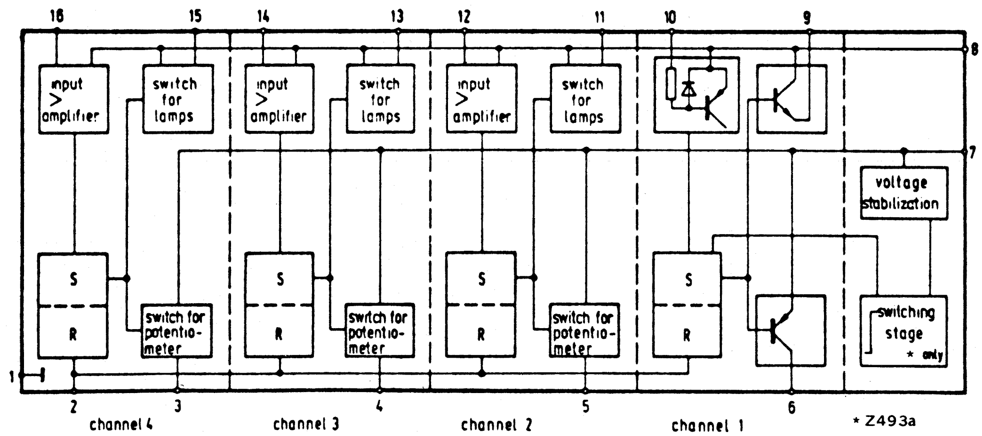


1) - Z491 ONLY.
2) - Z491a ONLY.
11
$+V_{CC}$
3
V_{AF}
1kΩ
12
V_{AF} unregulated before v/c
2kΩ
5kΩ
1kΩ
8
V_{AF} regulated after v/c
14
800Ω 1)
2
13
50kΩ (=20kΩ)
50kΩ (=20kΩ)
1kΩ
1kΩ
50Ω 1)
50pF 2)
50pF 2)
500Ω 1)
3,6 V = 3/4 V_{ref}
1
6
10
7
9
5
4
V_{ref} = 4,8 V

Z492

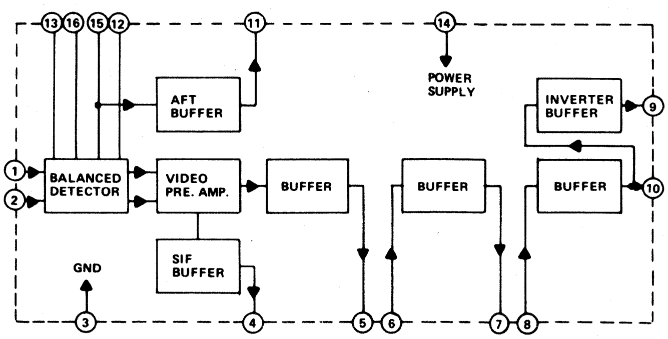


Z493

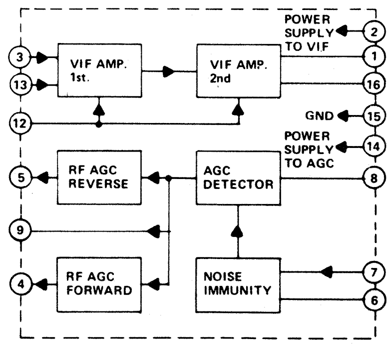


* Z493a

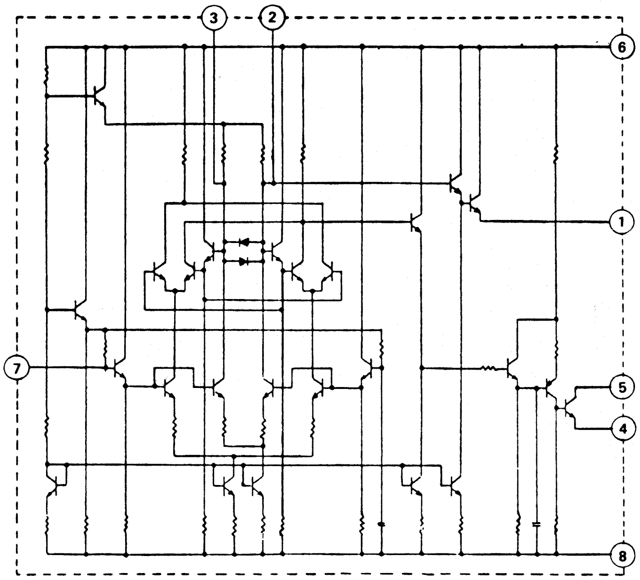
Z494



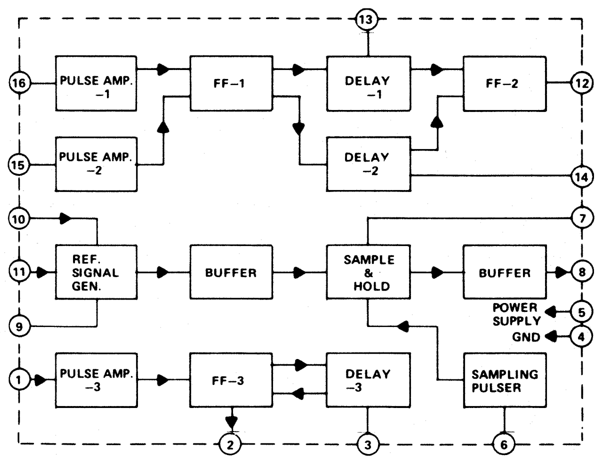
Z495



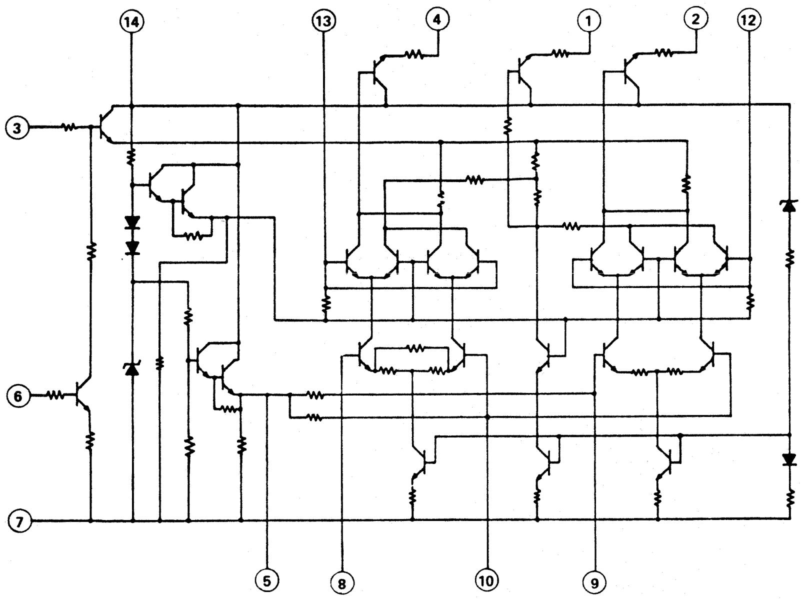
Z496


3
2
6
1
7
5
4
8

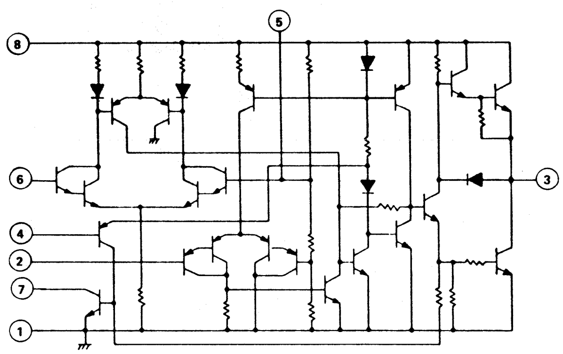
Z497


13
16
PULSE AMP. -1
FF-1
DELAY -1
FF-2
12
15
PULSE AMP. -2
DELAY -2
14
10
7
11
REF. SIGNAL GEN.
BUFFER
SAMPLE & HOLD
BUFFER
8
POWER SUPPLY
5
GND
4
9
1
PULSE AMP. -3
FF-3
DELAY -3
SAMPLING PULSER
2
3
6

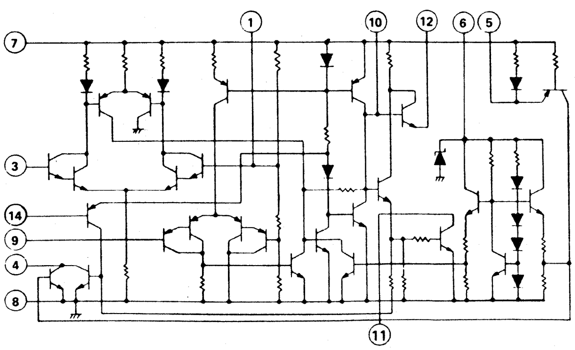
Z498



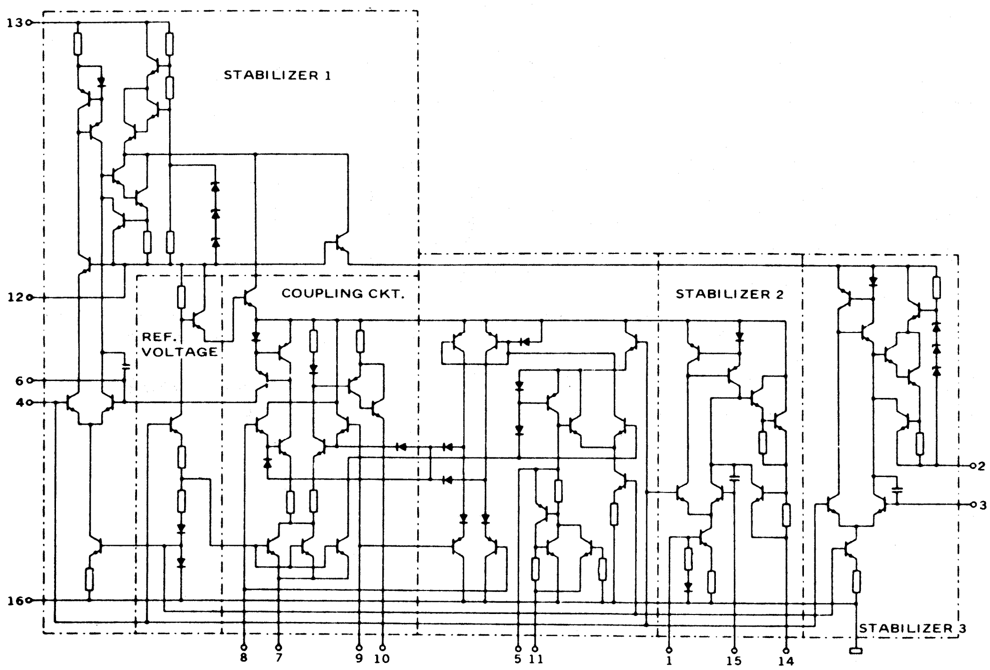
Z499



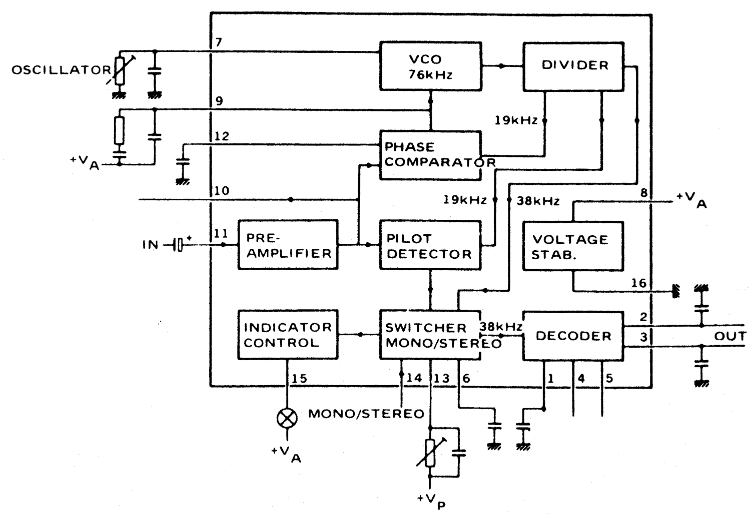
Z500



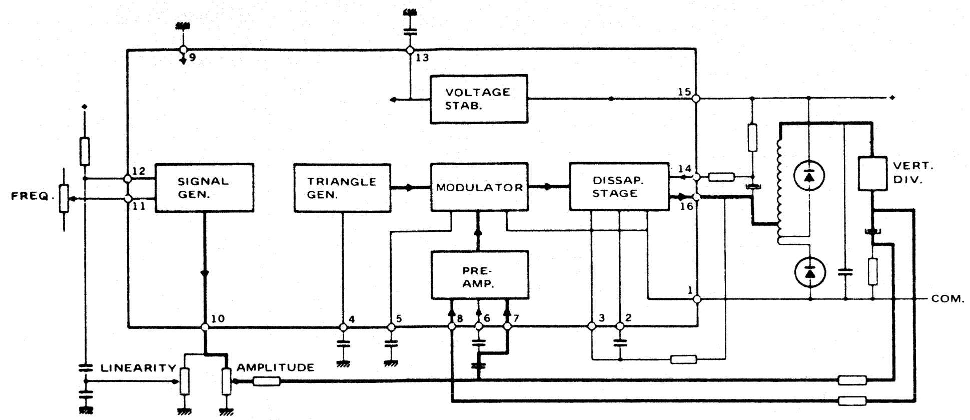
Z501


STABILIZER 1
COUPLING CKT.
REF. VOLTAGE
STABILIZER 2
STABILIZER 3
13
12
6
4
16
2
3
8
7
9
10
5
11
1
15
14

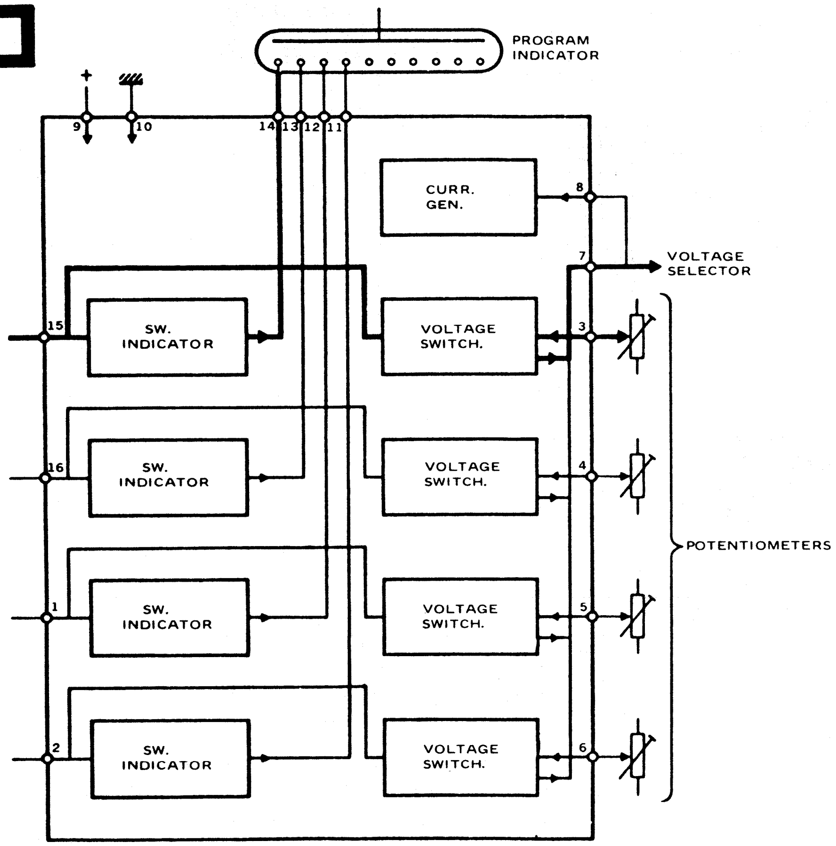
Z503


OSCILLATOR
VCO 76kHz
DIVIDER
19kHz
PHASE COMPARATOR
+VA
19kHz
38kHz
+VA
IN
PRE-AMPLIFIER
PILOT DETECTOR
VOLTAGE STAB.
INDICATOR CONTROL
SWITCHER MONO/STEREO
38kHz
DECODER
OUT
MONO/STEREO
+VA
+VP
7
9
12
10
11
8
16
2
3
15
14
13
6
1
4
5

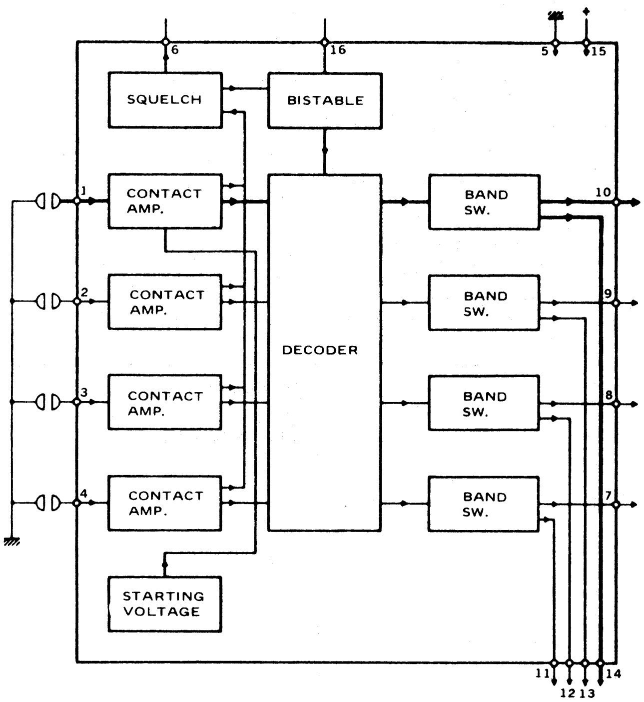
Z505


VOLTAGE STAB.
SIGNAL GEN.
TRIANGLE GEN.
MODULATOR
DISSAP. STAGE
PRE-AMP.
VERT. DIV.
FREQ.
LINEARITY
AMPLITUDE
COM.

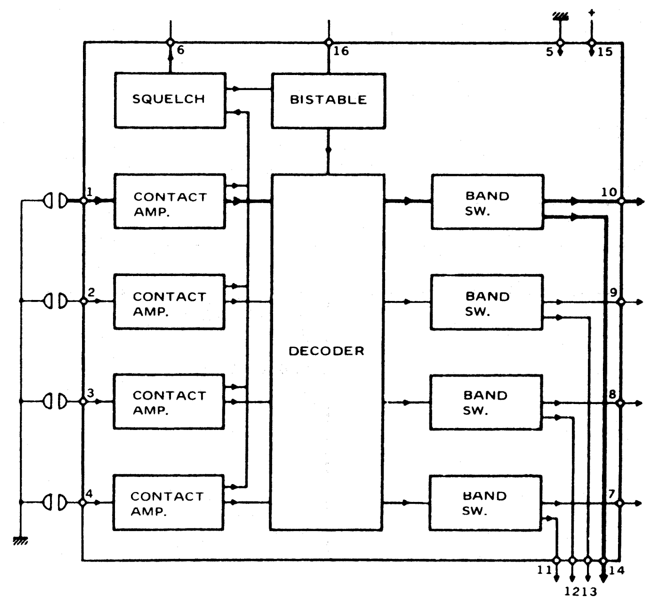
Z506


PROGRAM INDICATOR
CURR. GEN.
VOLTAGE SELECTOR
SW. INDICATOR
VOLTAGE SWITCH.
SW. INDICATOR
VOLTAGE SWITCH.
SW. INDICATOR
VOLTAGE SWITCH.
SW. INDICATOR
VOLTAGE SWITCH.
POTENTIOMETERS

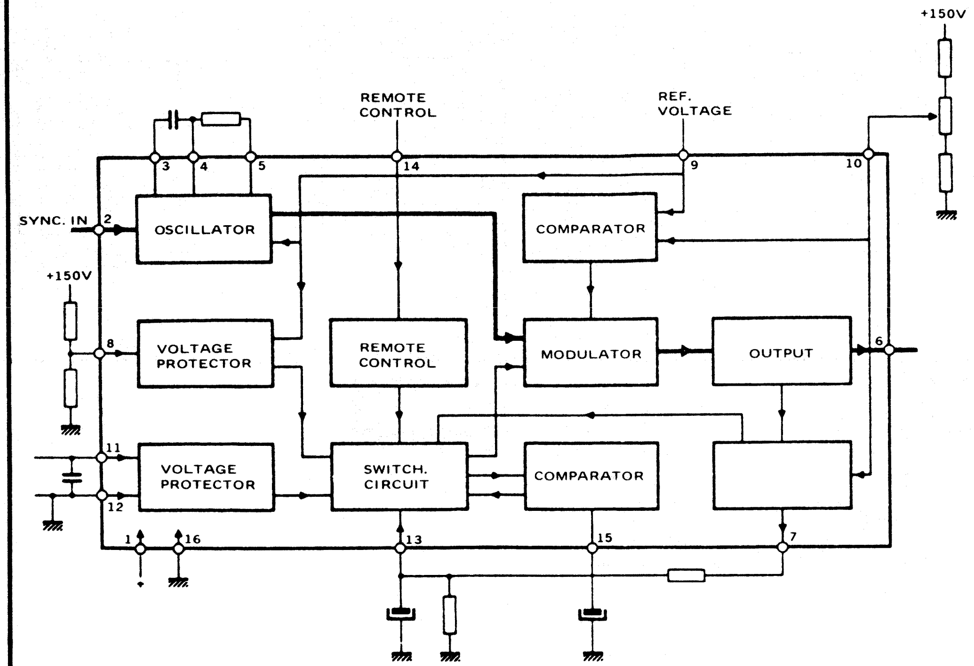
Z507


6
16
5
15
SQUELCH
BISTABLE
1
CONTACT AMP.
BAND SW.
10
2
CONTACT AMP.
BAND SW.
9
DECODER
3
CONTACT AMP.
BAND SW.
8
4
CONTACT AMP.
BAND SW.
7
STARTING VOLTAGE
11
12
13
14

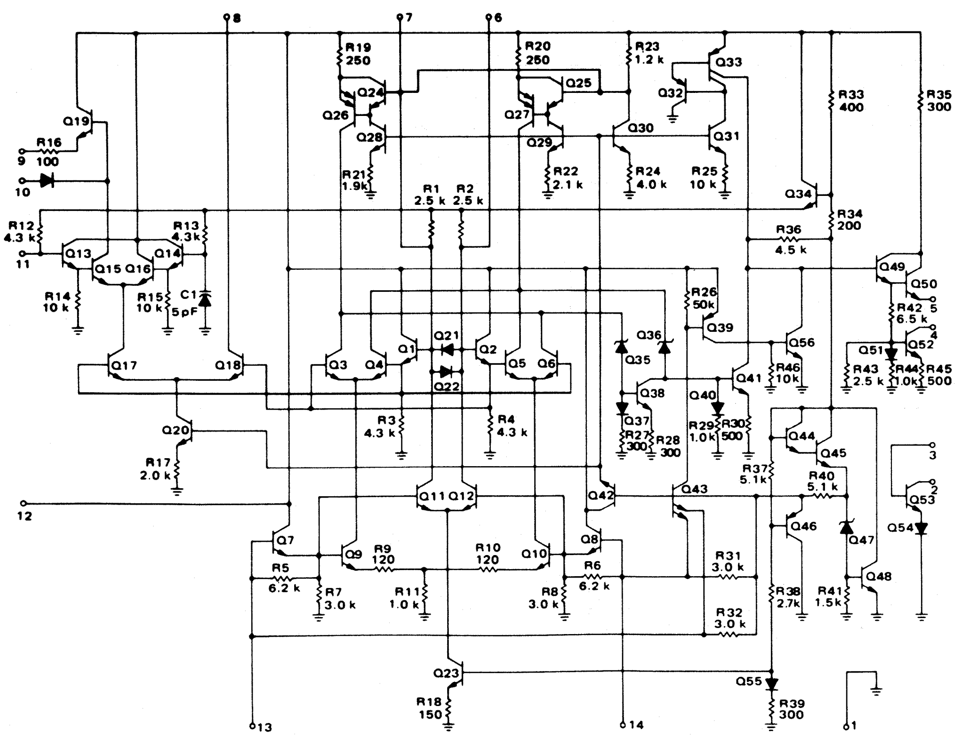
Z508


6
16
5
15
SQUELCH
BISTABLE
1
CONTACT AMP.
BAND SW.
10
2
CONTACT AMP.
BAND SW.
9
DECODER
3
CONTACT AMP.
BAND SW.
8
4
CONTACT AMP.
BAND SW.
7
11
12
13
14

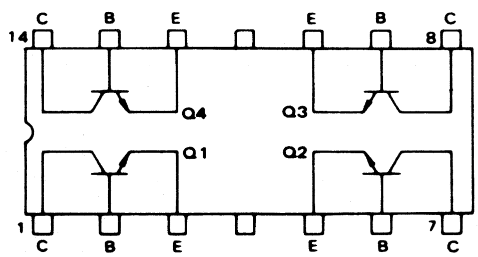
Z509



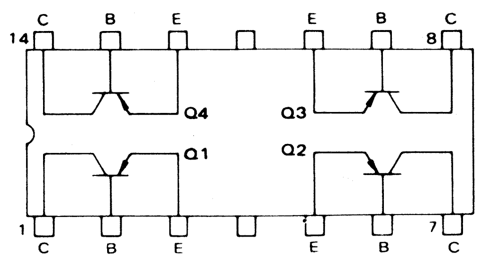
Z510



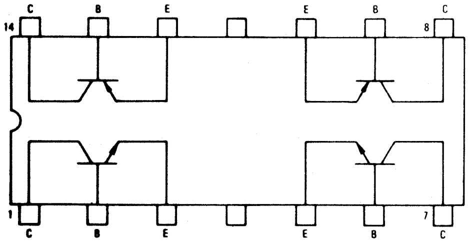
Z511



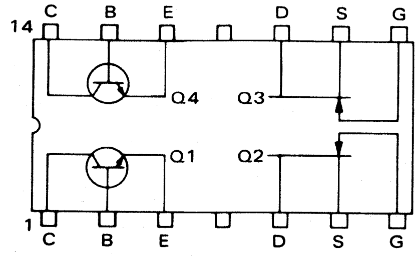
Z512



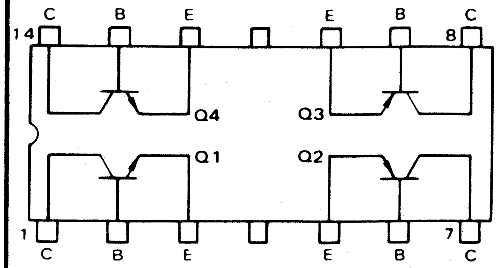
Z513



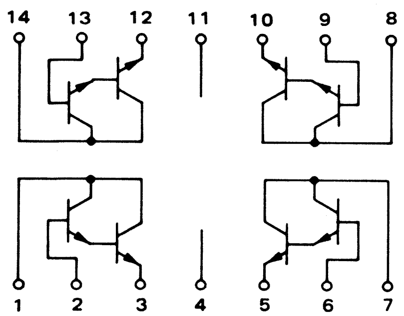
Z514



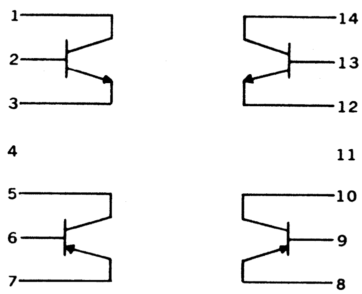
Z515



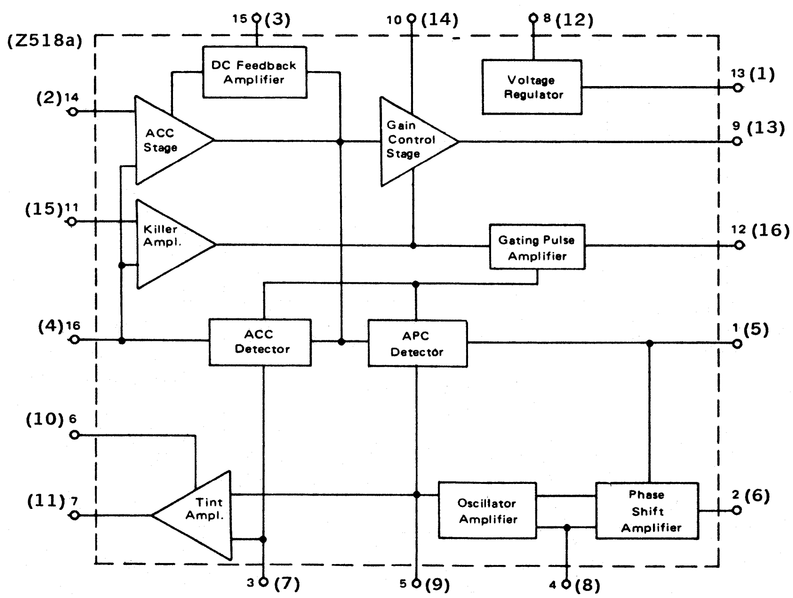
Z516



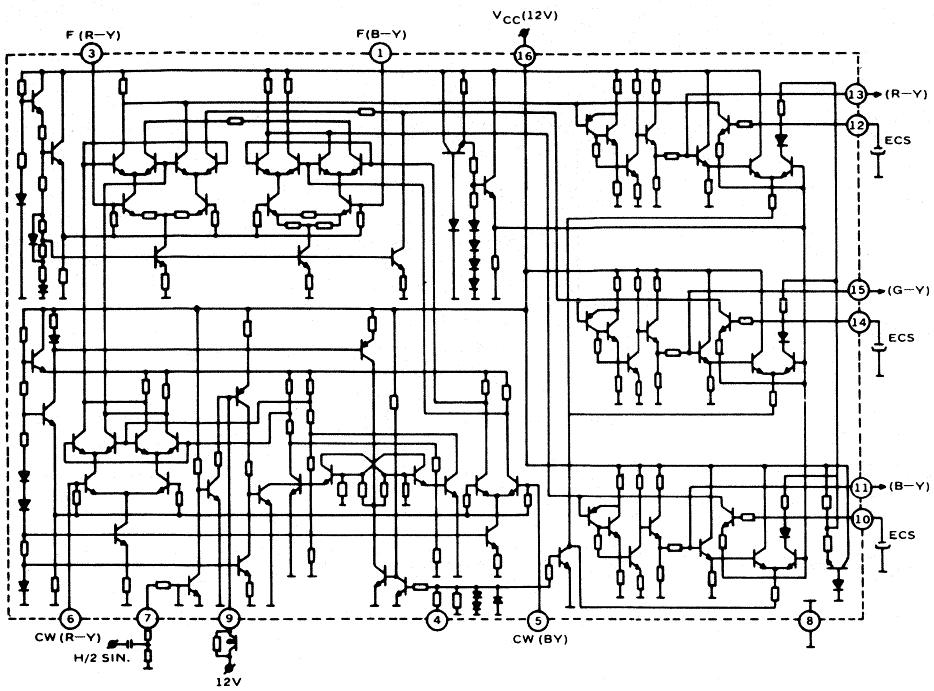
Z517



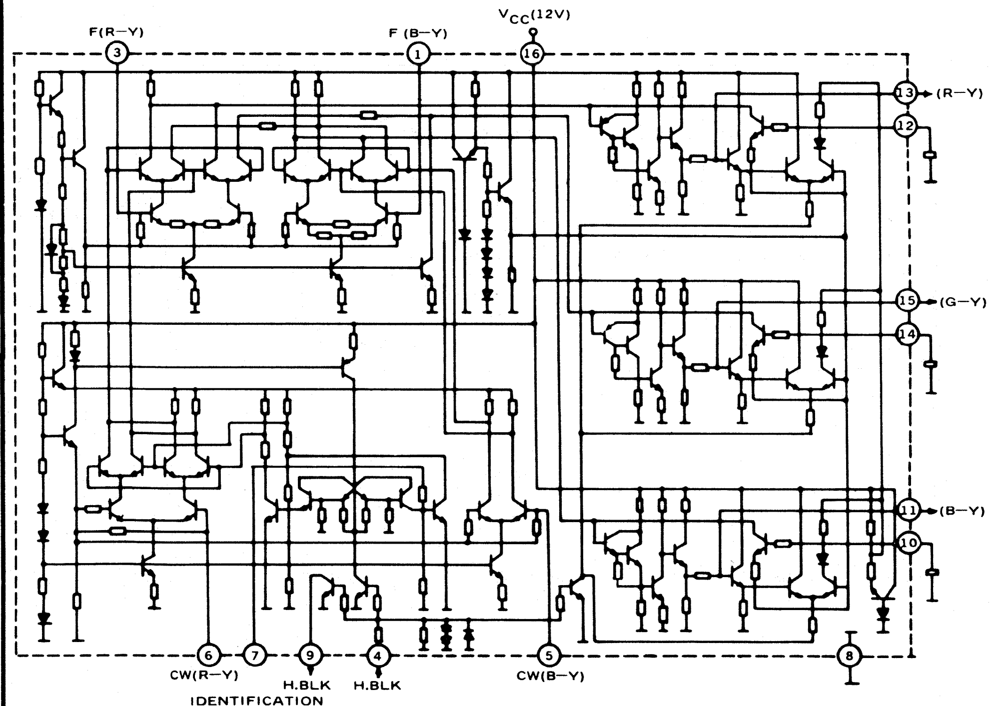
Z518



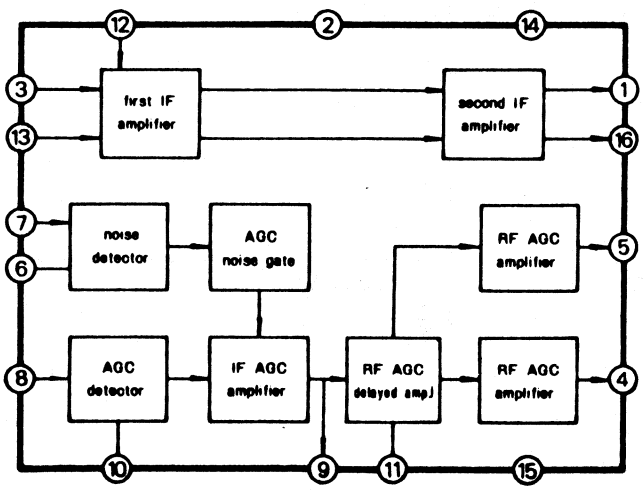
Z519


VCC(12V)
F (R–Y)
F(B–Y)
(R–Y)
ECS
(G–Y)
ECS
(B–Y)
ECS
CW (R–Y)
H/2 SIN.
12V
CW (BY)

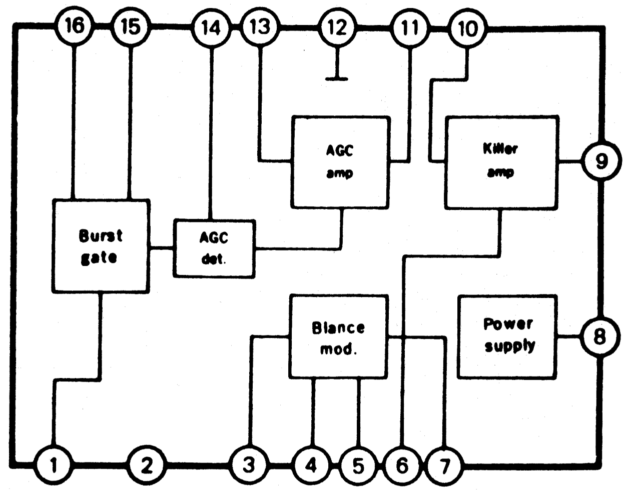
Z520


VCC(12V)
F(R–Y)
F (B–Y)
(R–Y)
(G–Y)
(B–Y)
CW(R–Y)
IDENTIFICATION
H.BLK
H.BLK
CW(B–Y)

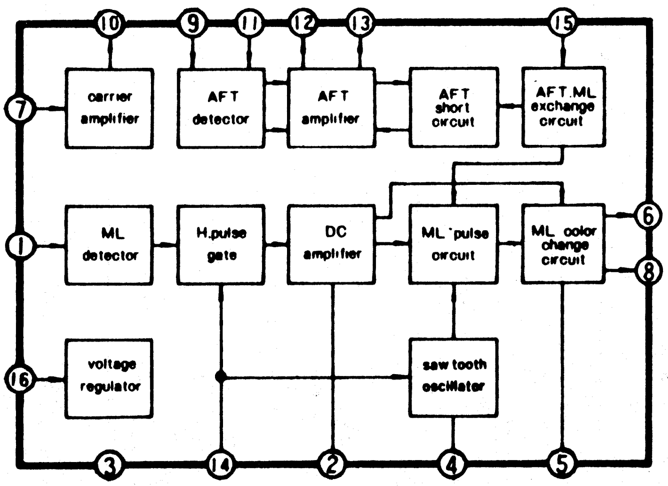
Z521



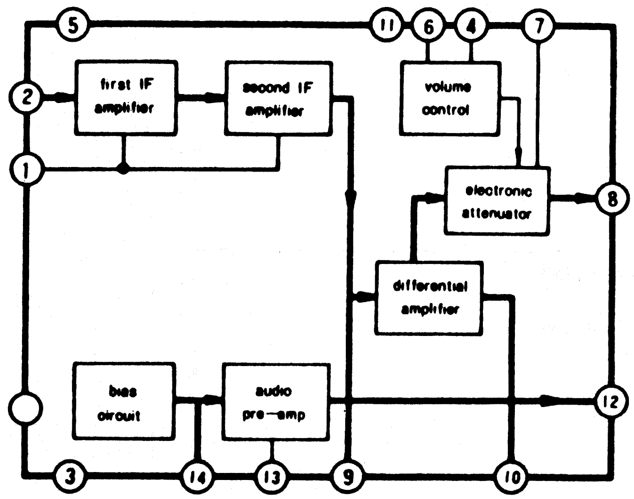
Z522



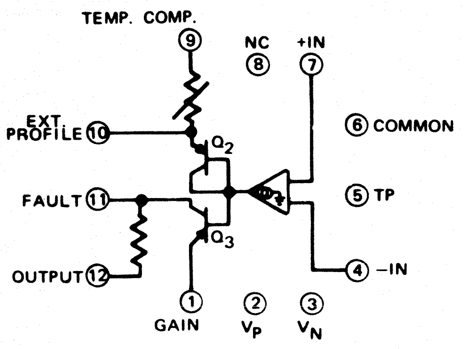
Z523



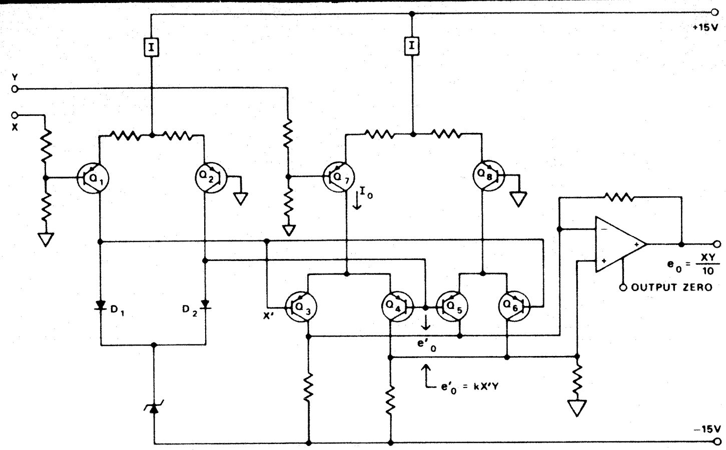
Z524



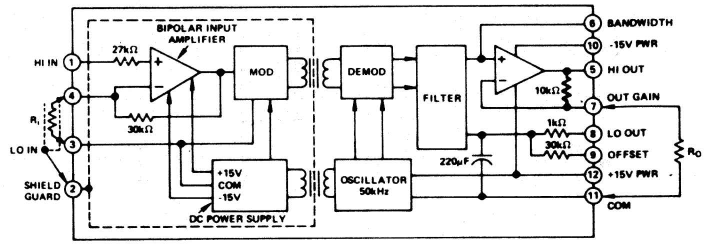
Z527



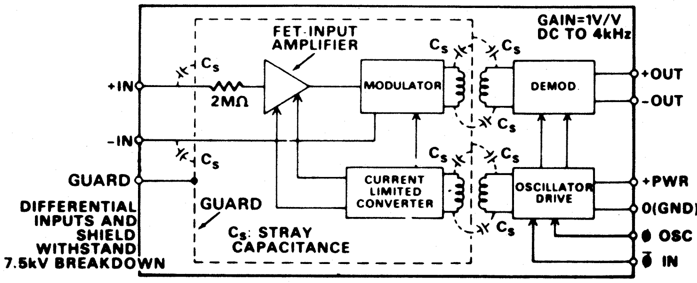
Z528



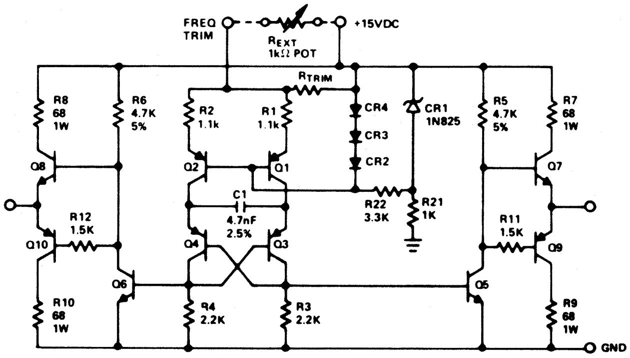
Z529



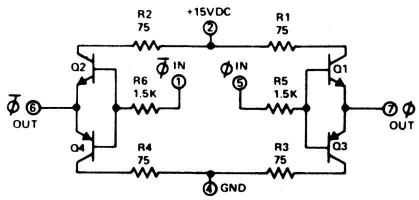
Z530



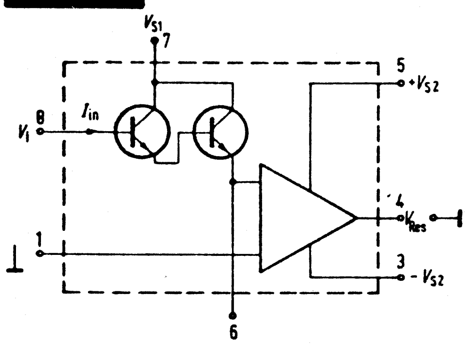
Z531



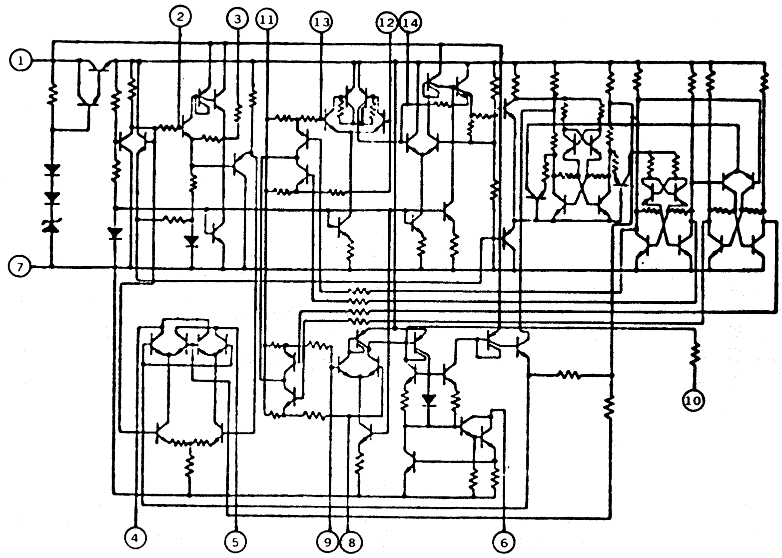
Z532



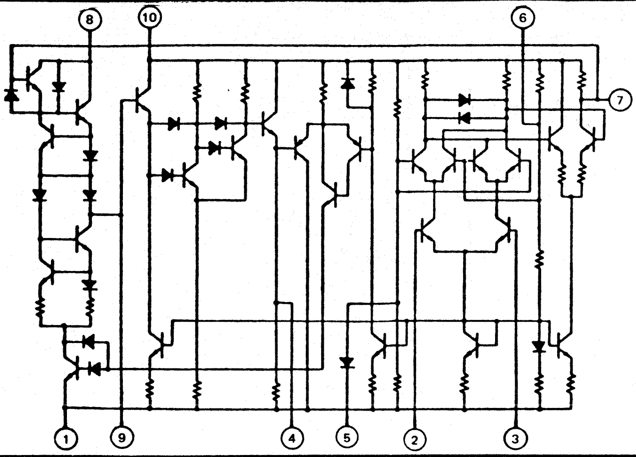
Z533



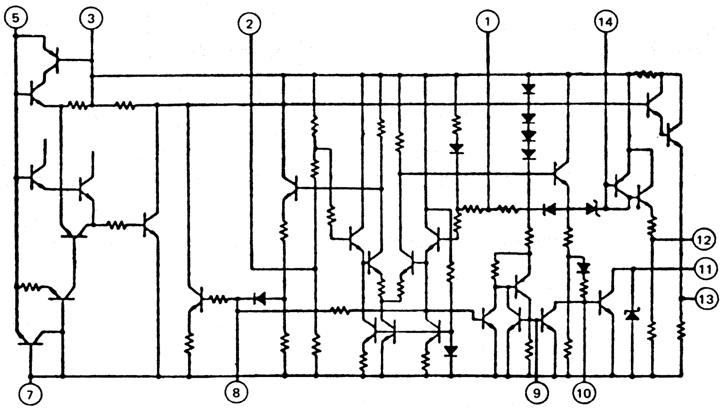
Z534



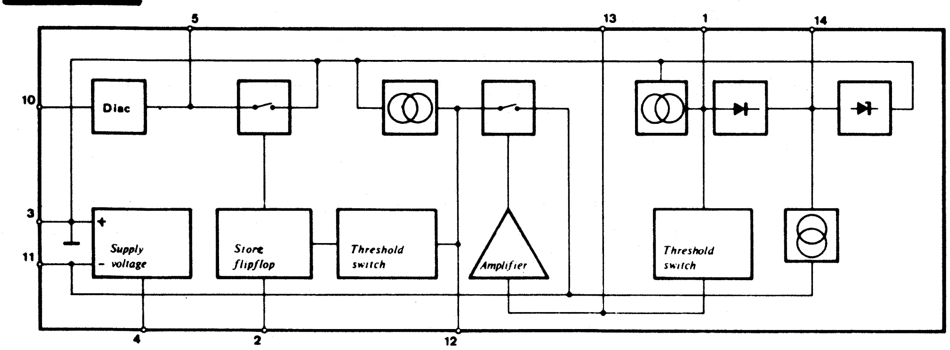
Z535



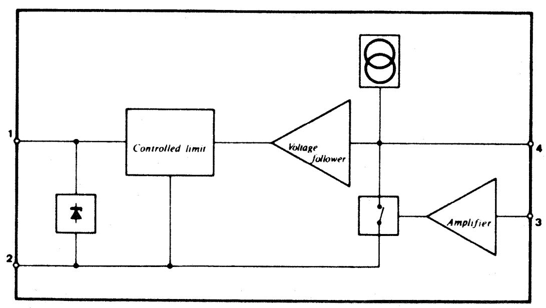
Z536



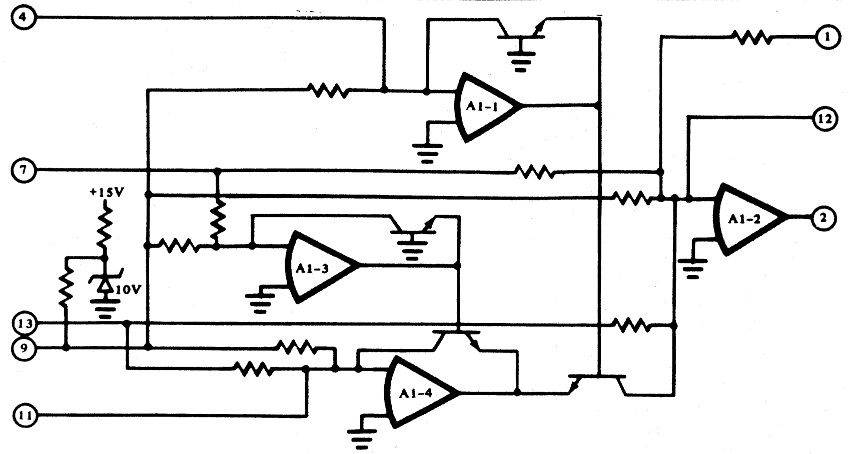
Z537



Z538



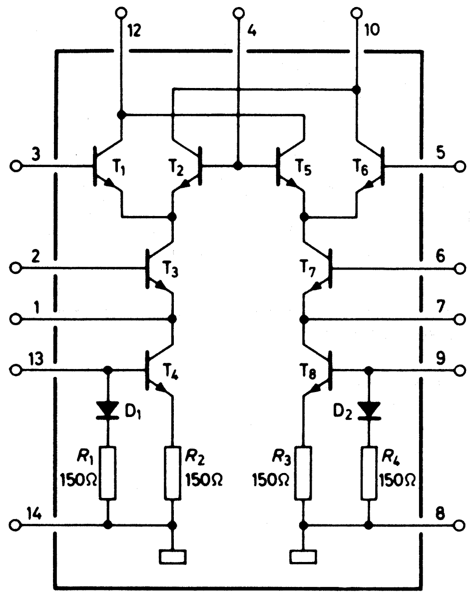
Z539



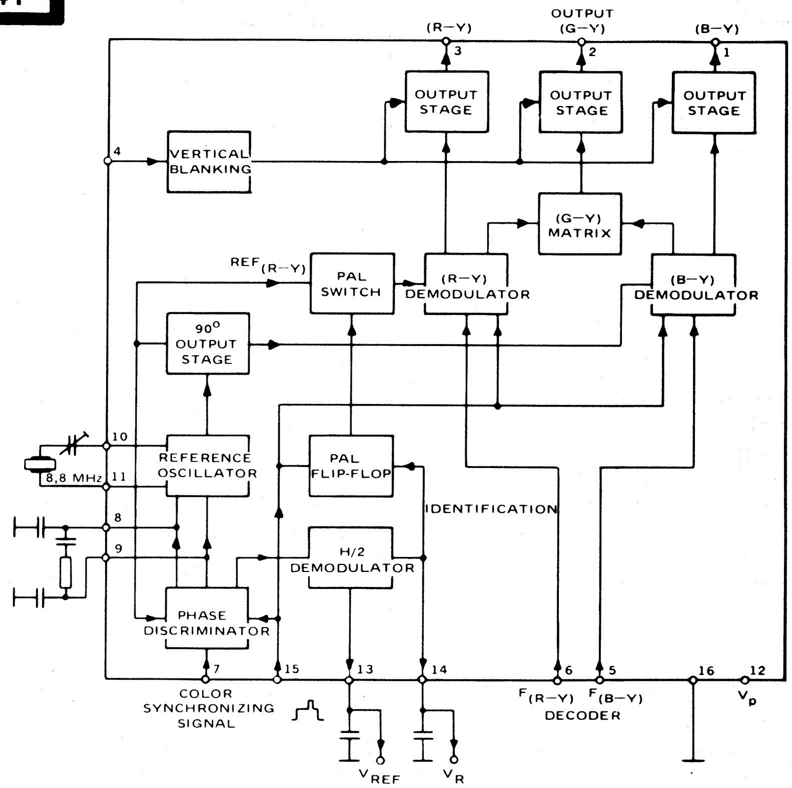
PIN CONNECTIONS

1 E_z
2 Output
3 $-V_s$
4 Feedthrough Adj.
5 Make No Connection
6 Make No Connection
7 E_x
8 Internal Reference
9 Make No Connection
10 Ground
11 Feedthrough Adj.
12 Offset Adj.
13 E_y
14 $+V_s$

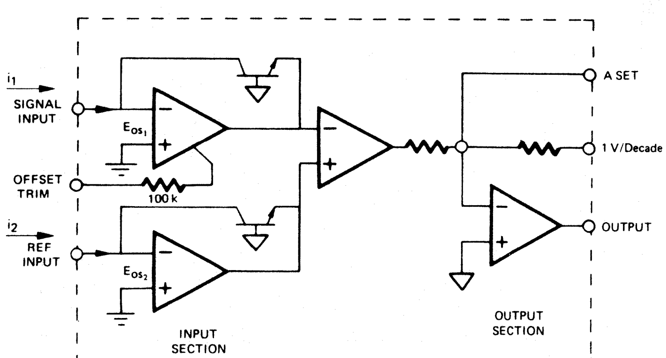
Z540



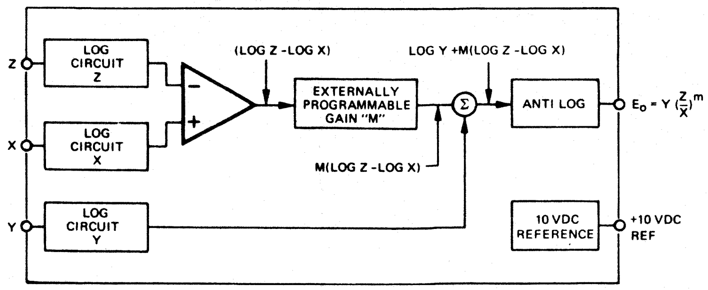
Z541



Z543

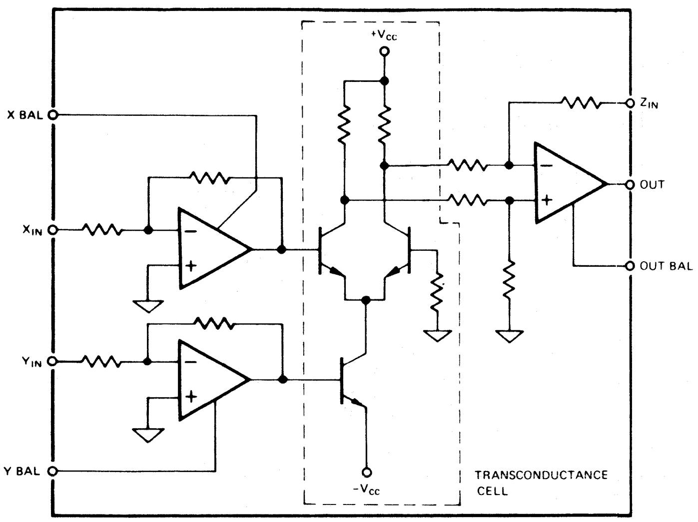


Z544

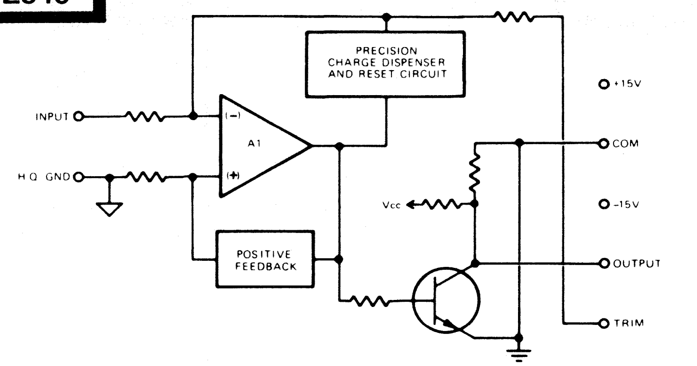


$E_o = Y\left(\frac{Z}{X}\right)^m$

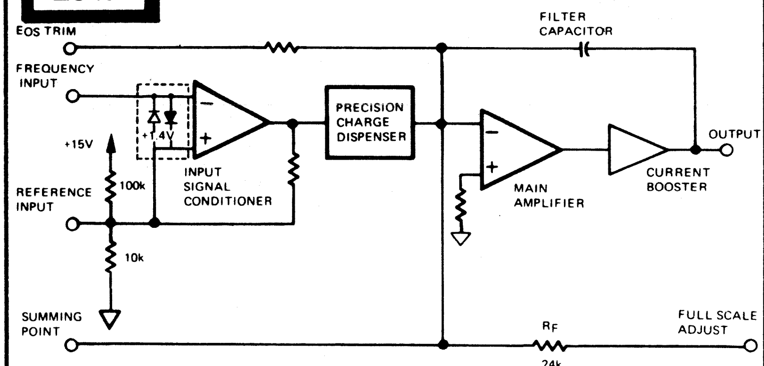
Z545



Z546

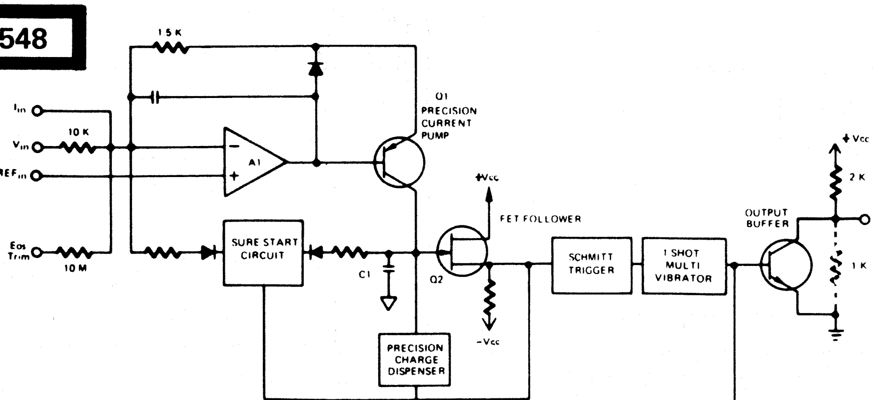


Z547



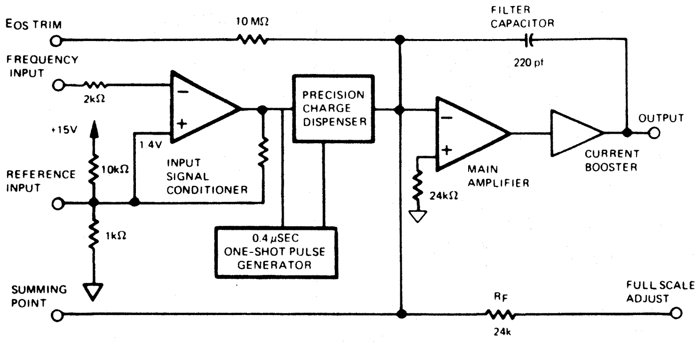
DOTTED SECTION FOR Z547a ONLY.

Z548

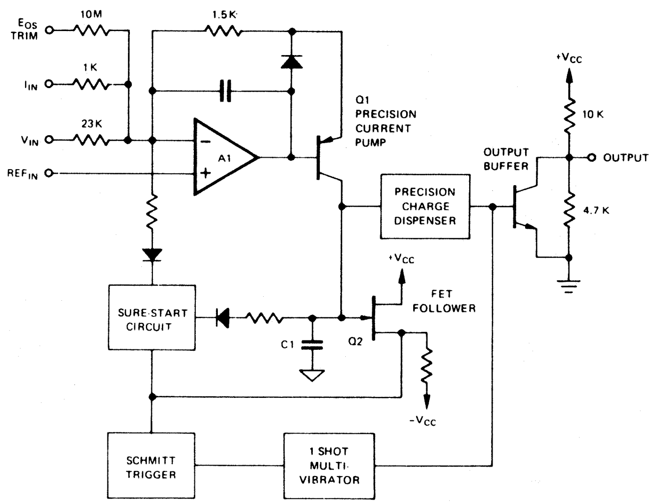


OMIT DOTTED LINE FOR Z548a.

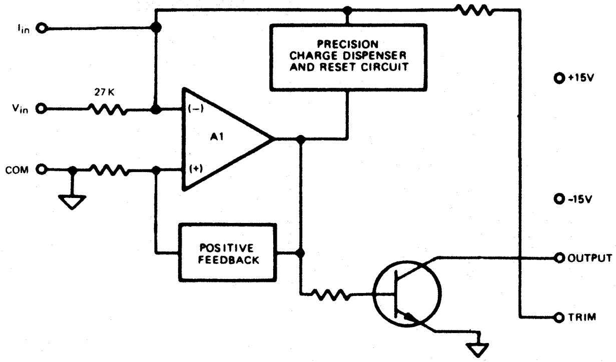
Z549



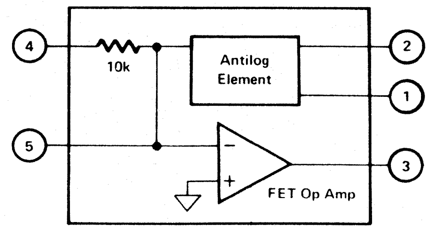
Z550



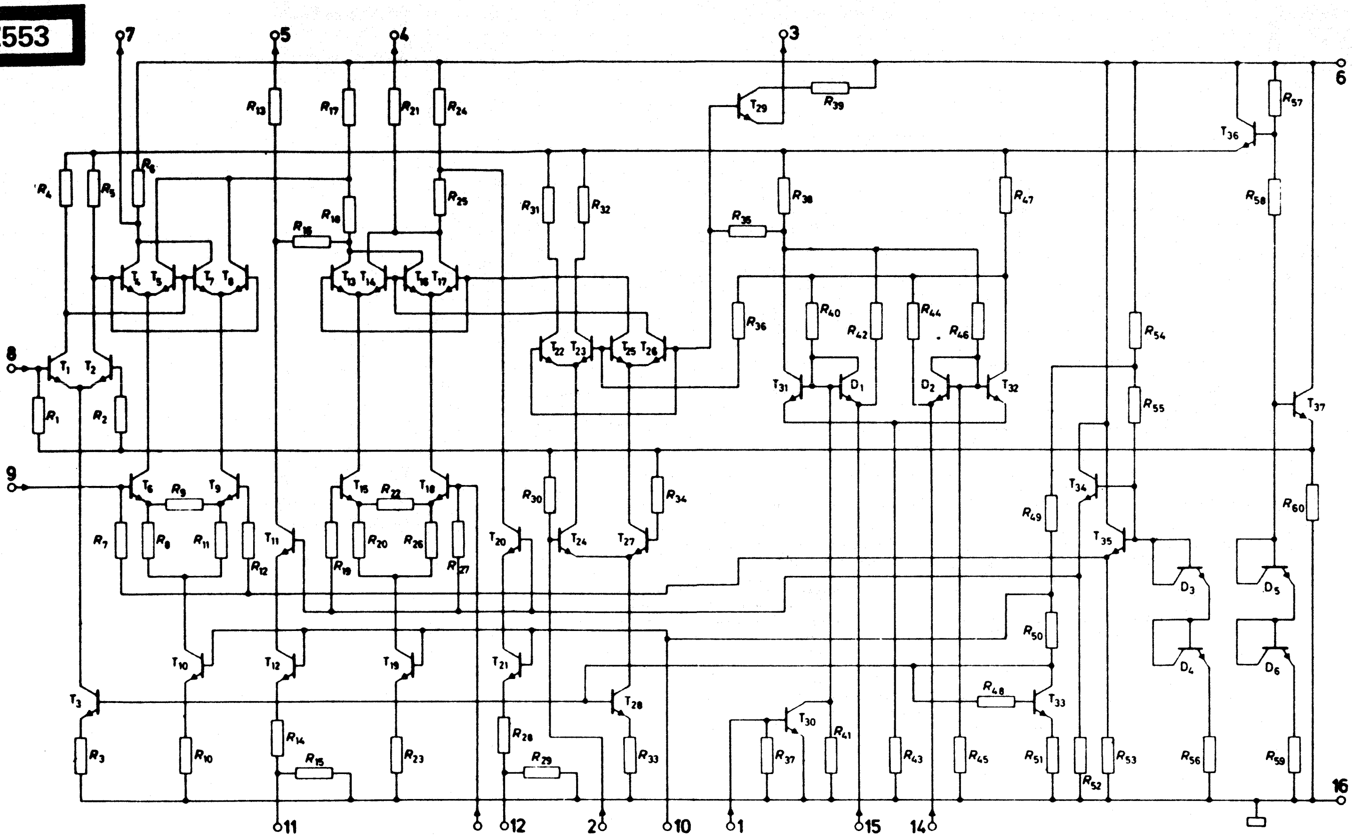
Z551



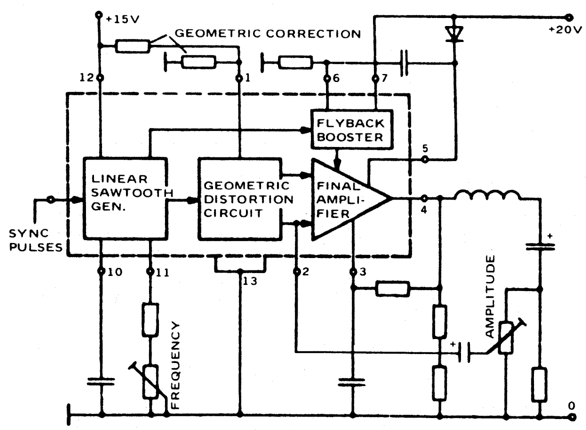
Z552



Z553

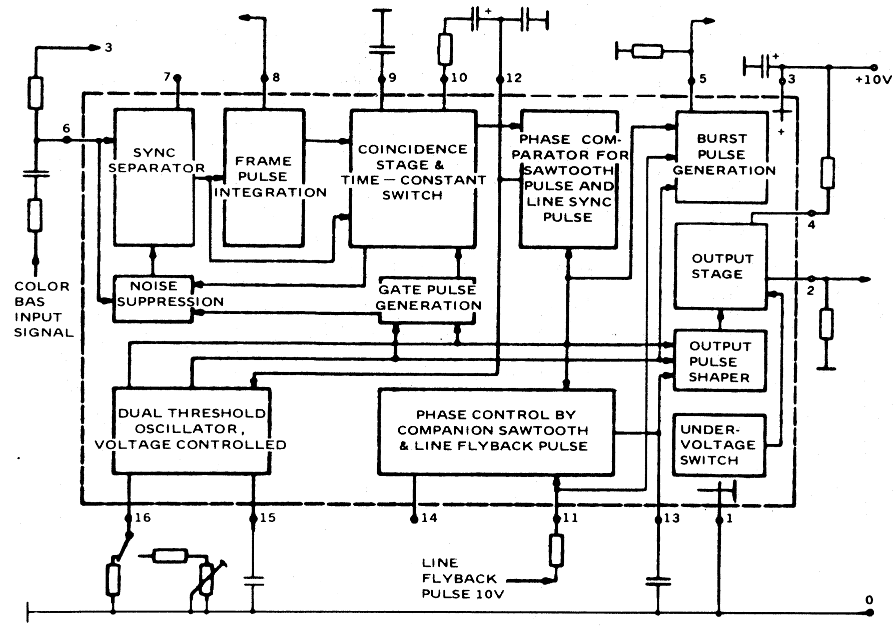


Z554

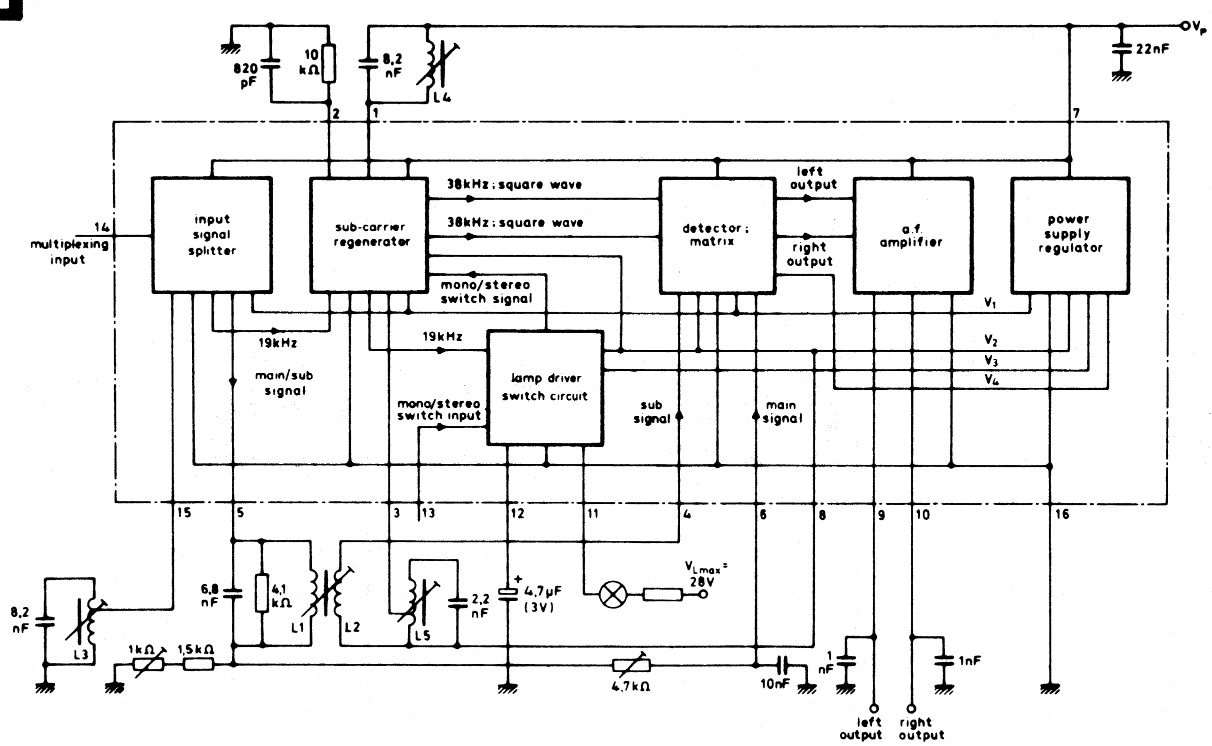


+15V
GEOMETRIC CORRECTION
+20V
FLYBACK BOOSTER
LINEAR SAWTOOTH GEN.
GEOMETRIC DISTORTION CIRCUIT
FINAL AMPLI-FIER
SYNC PULSES
FREQUENCY
AMPLITUDE

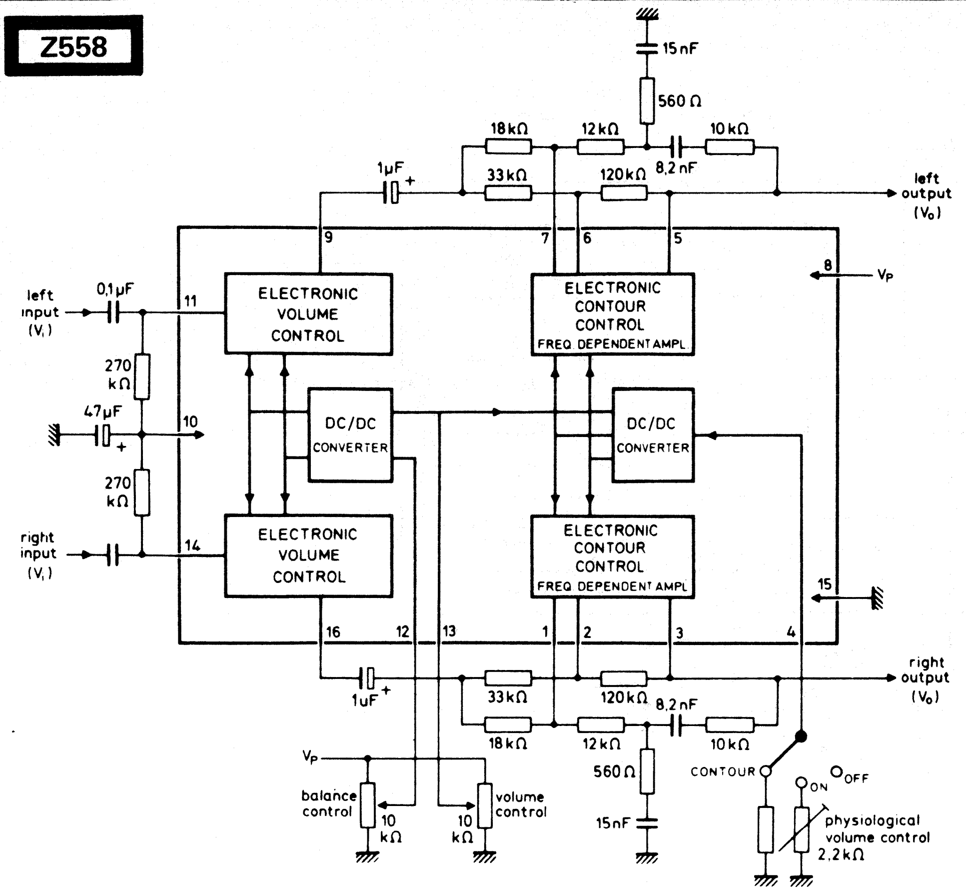
Z555


COLOR
BAS
INPUT
SIGNAL
SYNC
SEPARATOR
FRAME
PULSE
INTEGRATION
COINCIDENCE
STAGE &
TIME — CONSTANT
SWITCH
PHASE COM-
PARATOR FOR
SAWTOOTH
PULSE AND
LINE SYNC
PULSE
BURST
PULSE
GENERATION
+10V
OUTPUT
STAGE
NOISE
SUPPRESSION
GATE PULSE
GENERATION
OUTPUT
PULSE
SHAPER
DUAL THRESHOLD
OSCILLATOR,
VOLTAGE CONTROLLED
PHASE CONTROL BY
COMPANION SAWTOOTH
& LINE FLYBACK PULSE
UNDER-
VOLTAGE
SWITCH
LINE
FLYBACK
PULSE 10V

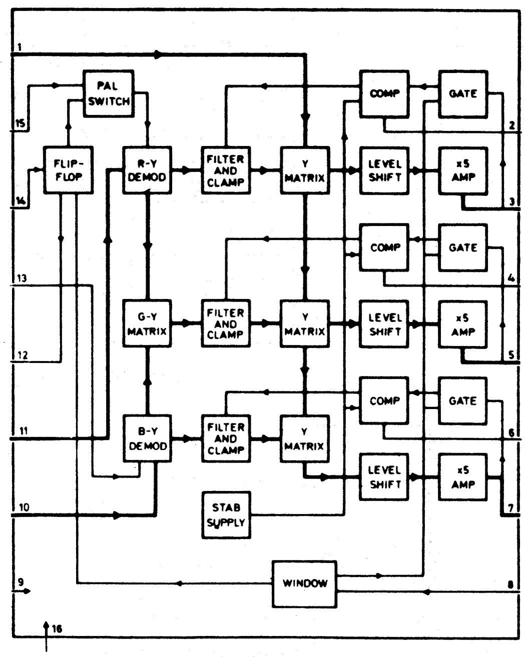
Z557


820 pF
10 kΩ
8,2 nF
L4
22nF
multiplexing input
input signal splitter
sub-carrier regenerator
38kHz; square wave
38kHz; square wave
detector; matrix
left output
right output
a.f. amplifier
power supply regulator
mono/stereo switch signal
19kHz
19kHz
main/sub signal
lamp driver switch circuit
mono/stereo switch input
sub signal
main signal
6,8 nF
4,1 kΩ
L1
L2
L5
2,2 nF
4,7µF (3V)
28V
8,2 nF
L3
1kΩ
1,5kΩ
4,7kΩ
10nF
1 nF
1nF
left output
right output

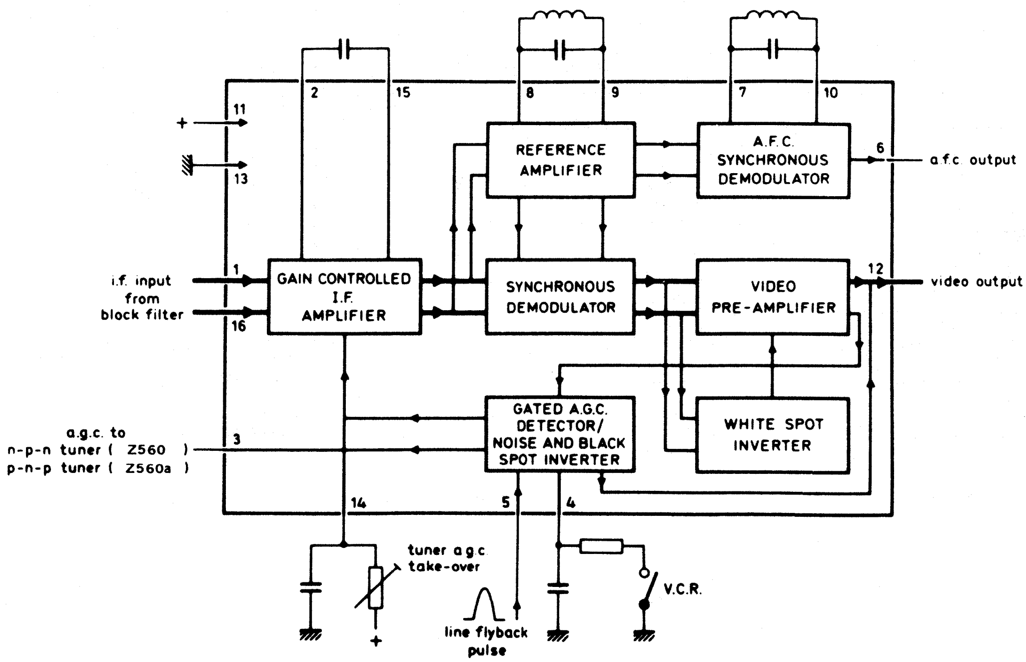
Z558


15 nF
560 Ω
18 kΩ
12 kΩ
10 kΩ
1μF
33 kΩ
120 kΩ
8,2 nF
left output (V_o)
ELECTRONIC VOLUME CONTROL
ELECTRONIC CONTOUR CONTROL FREQ DEPENDENT AMPL
DC/DC CONVERTER
left input (V_i)
0,1 μF
270 kΩ
47 μF
right input (V_i)
V_P
right output (V_o)
balance control
volume control
10 kΩ
CONTOUR
ON
OFF
physiological volume control 2,2 kΩ

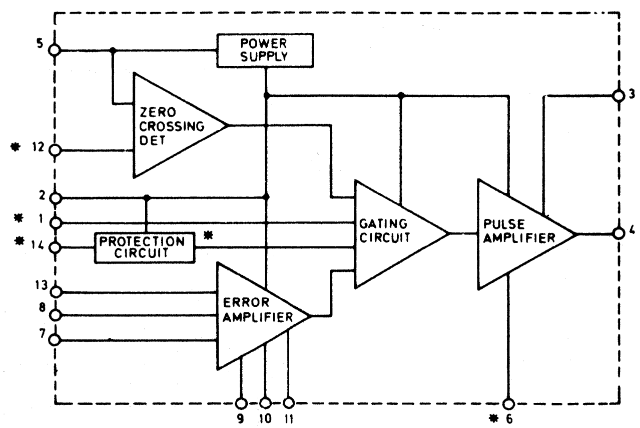
Z559


PAL SWITCH
FLIP-FLOP
R-Y DEMOD
G-Y MATRIX
B-Y DEMOD
FILTER AND CLAMP
Y MATRIX
COMP
GATE
LEVEL SHIFT
x5 AMP
STAB SUPPLY
WINDOW

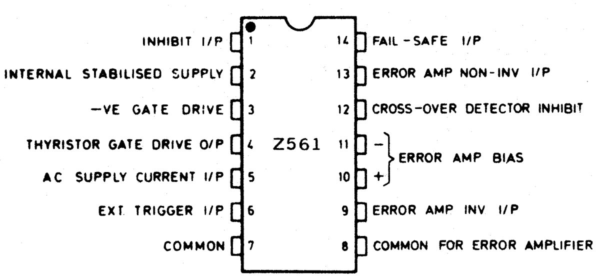
Z560

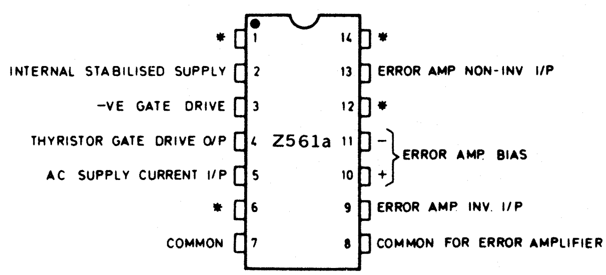


Z561



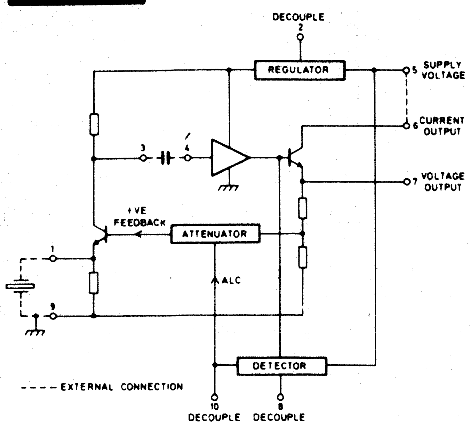
* NOT INCLUDED IN Z561a.

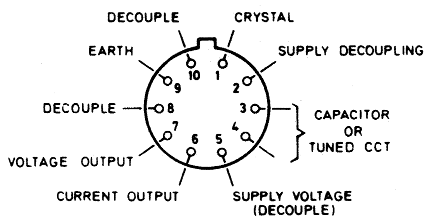




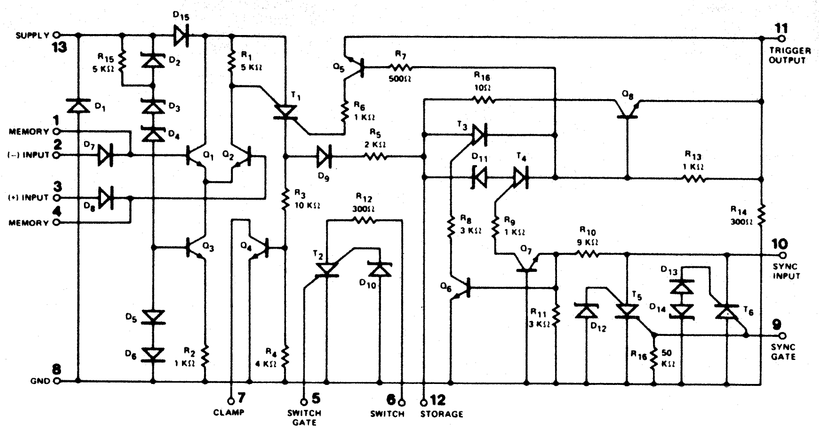
* INTERNAL CONNECTION – DO NOT USE

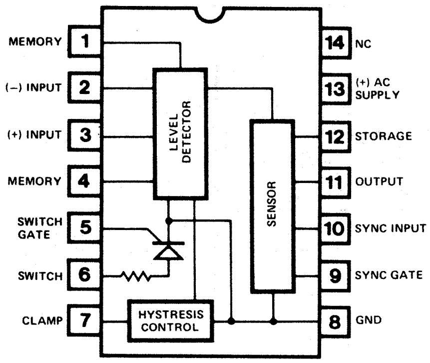
Z562



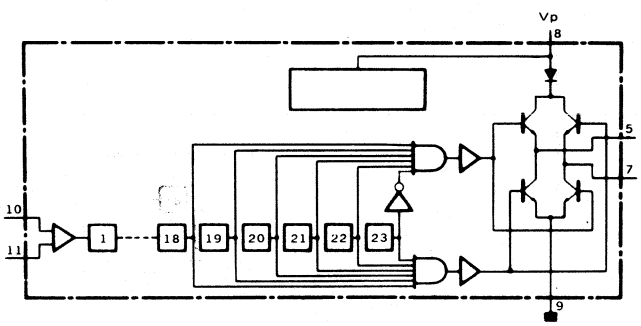


Z564

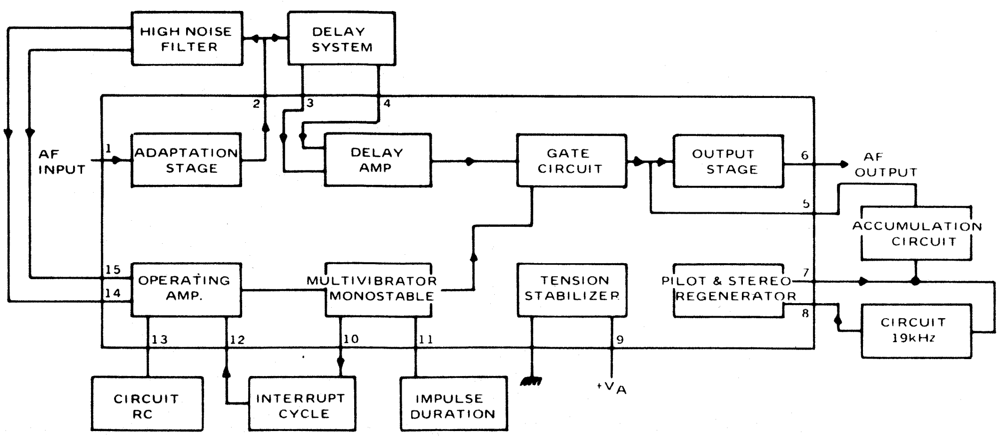




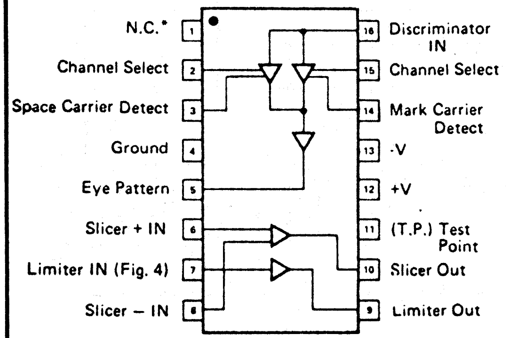
Z567



Z568



Z569



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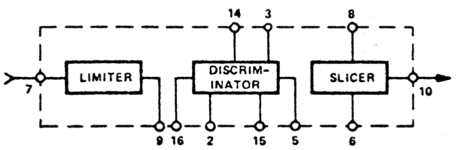
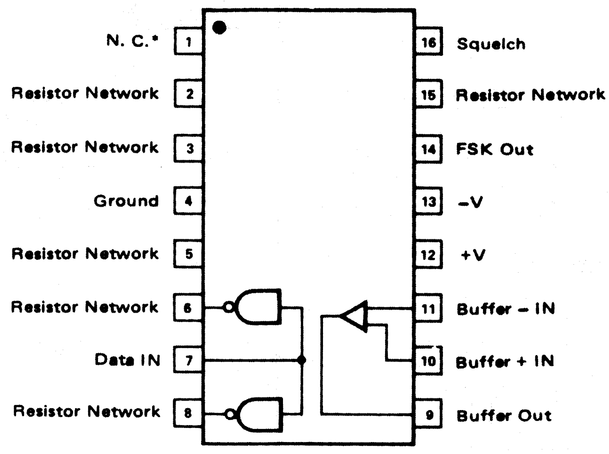


Z570



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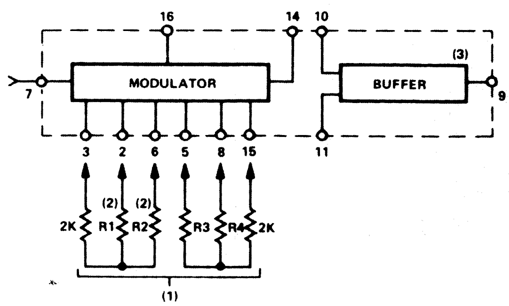
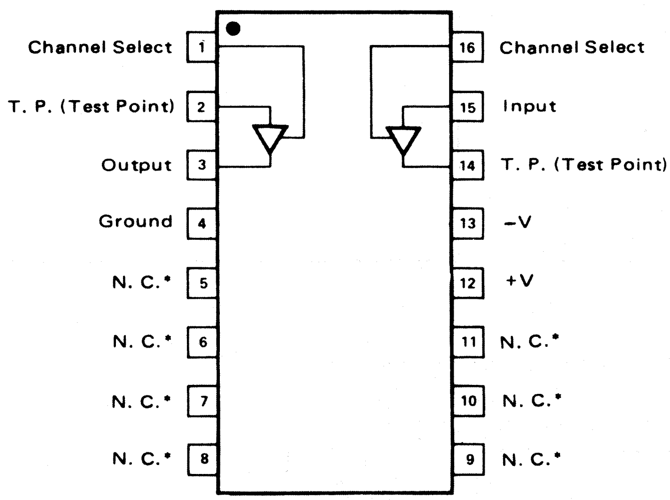


Z571



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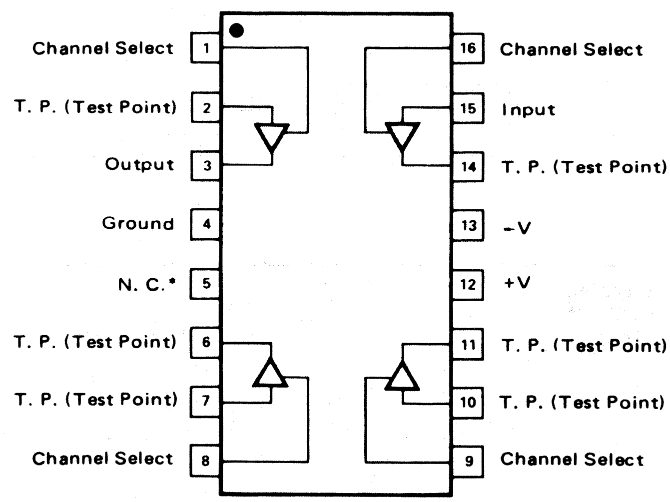
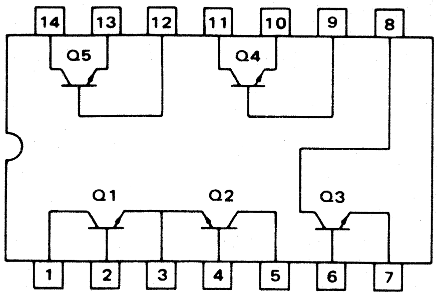
Z572

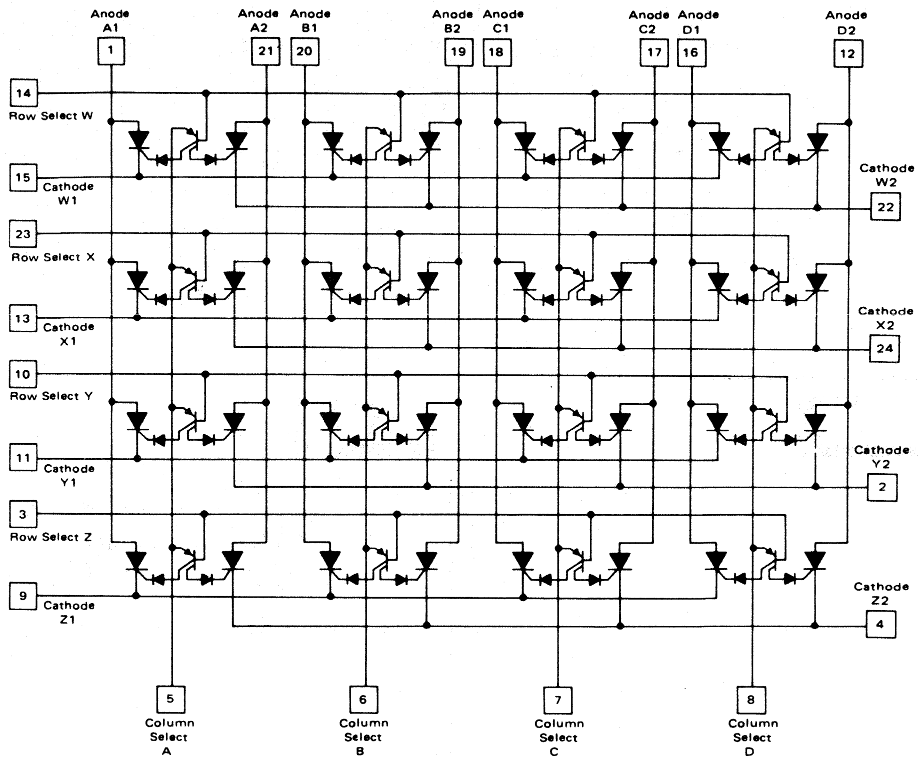


*No Connection.

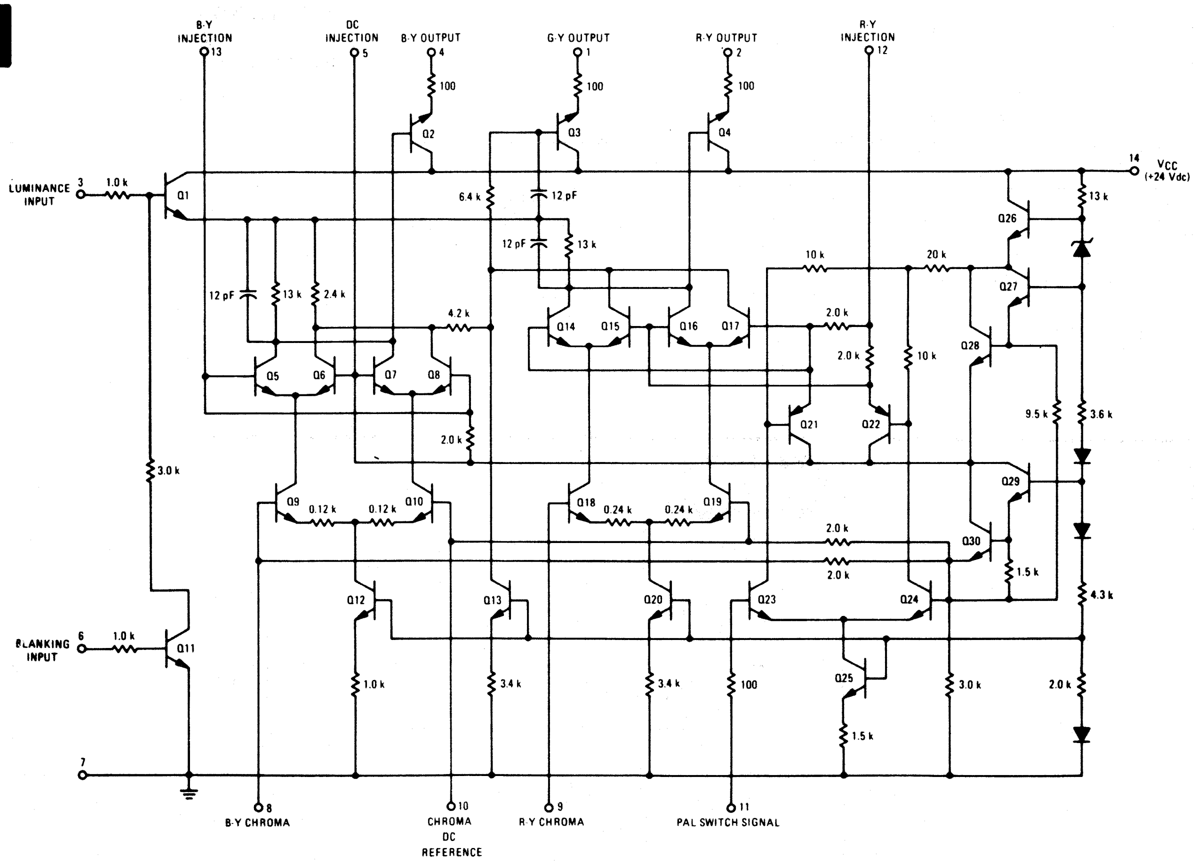
Z573



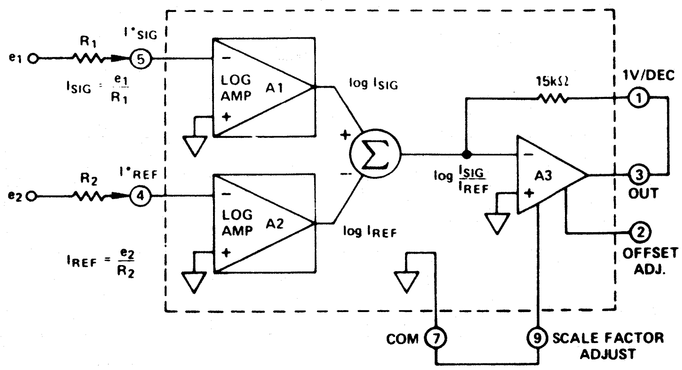
Z574



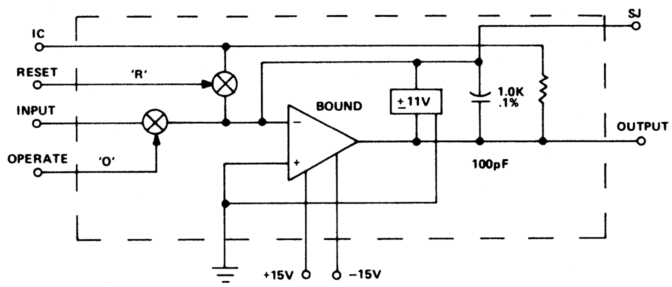
Z575



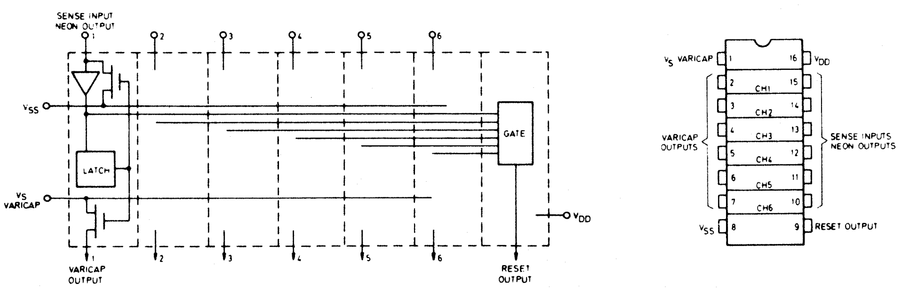
Z576



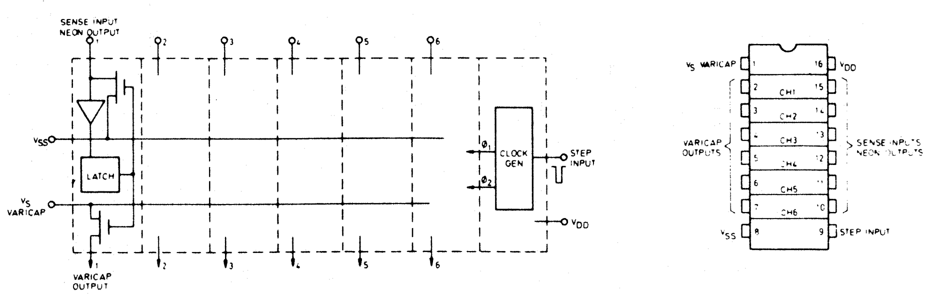
Z577



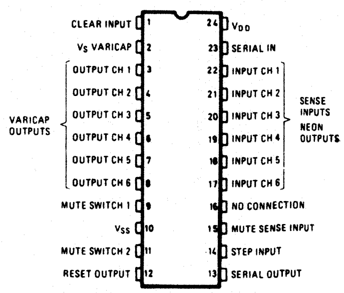
Z578

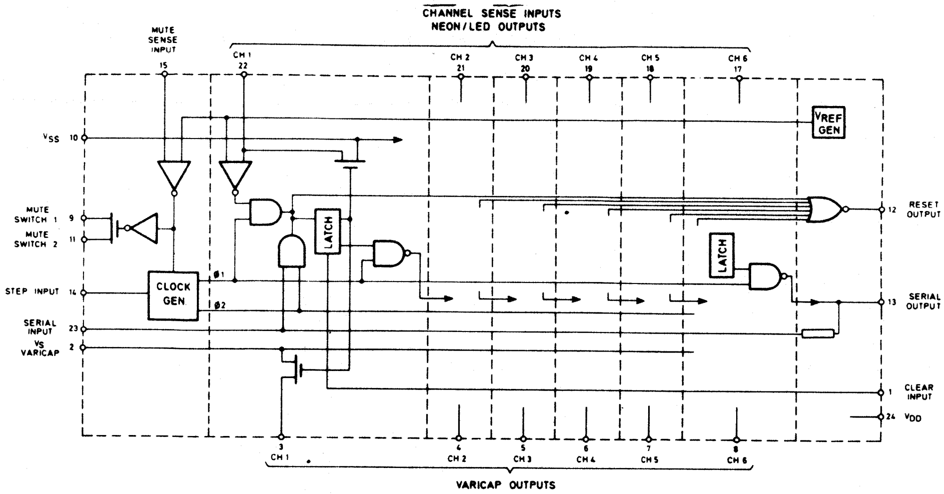


Z579

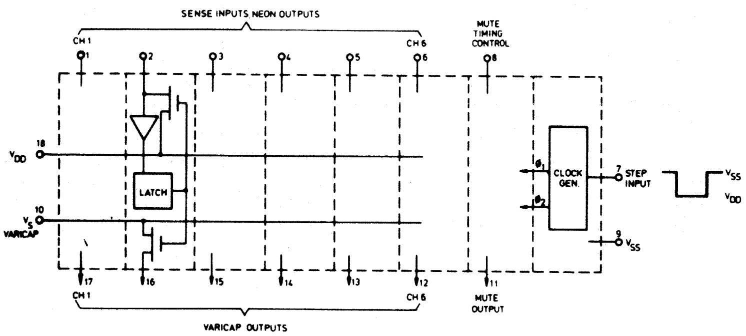


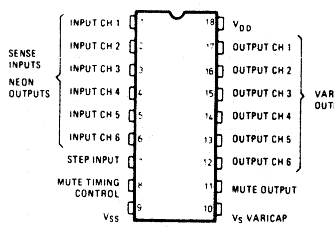
Z580



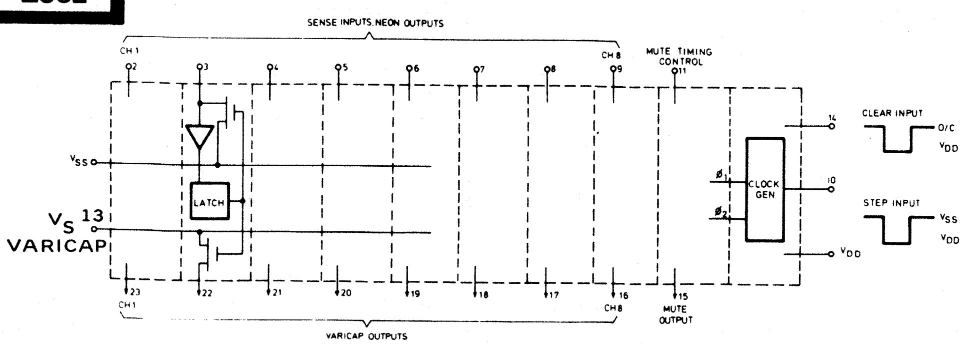


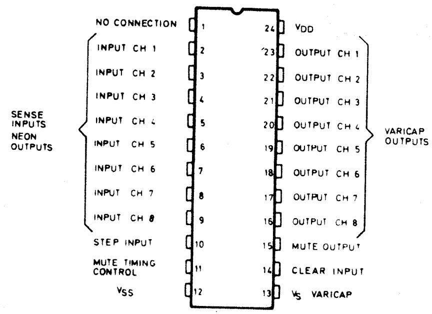
Z581





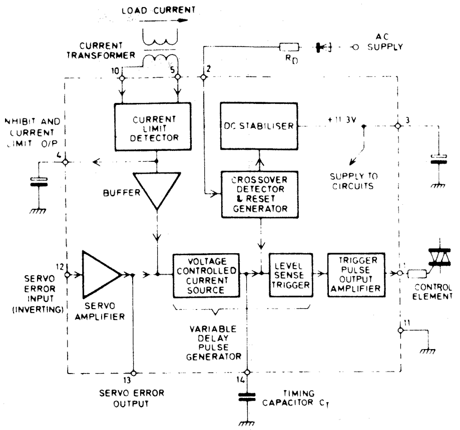
Z582

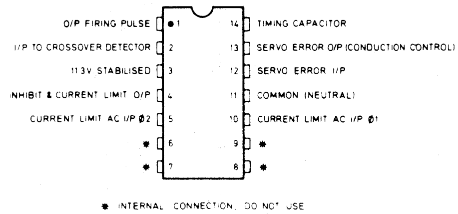




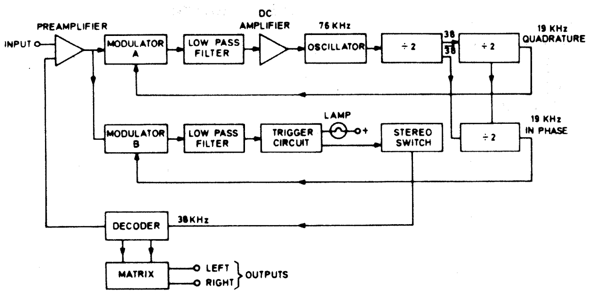
	VSS	VDD
Z582	12	24
Z582a	24	12

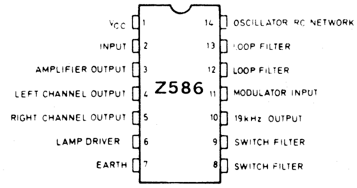
Z583

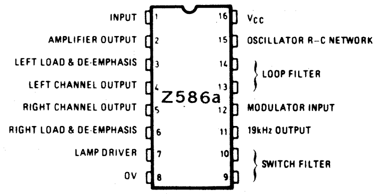




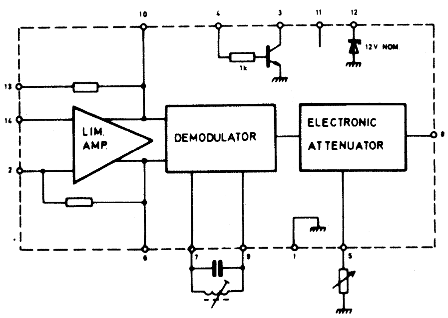
Z586



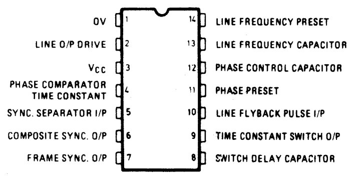


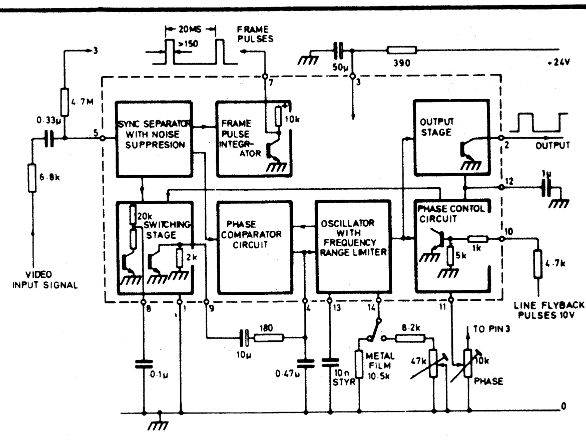


Z588

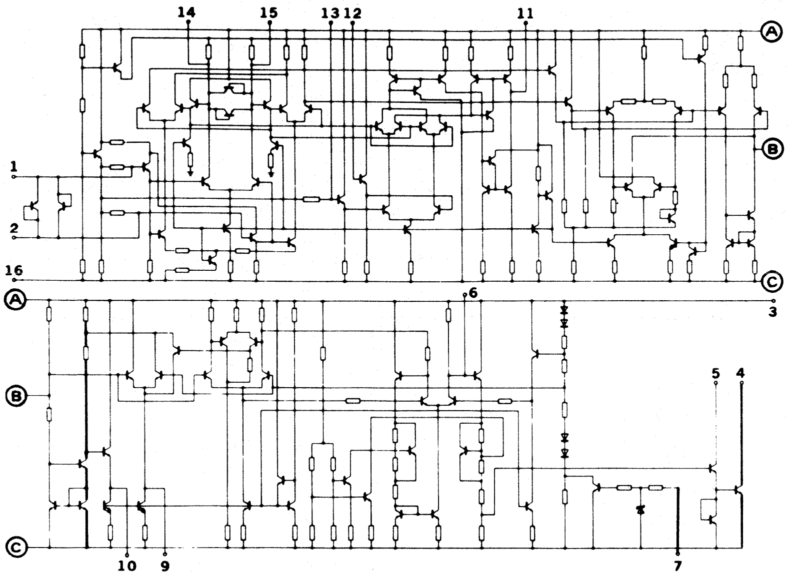


Z589

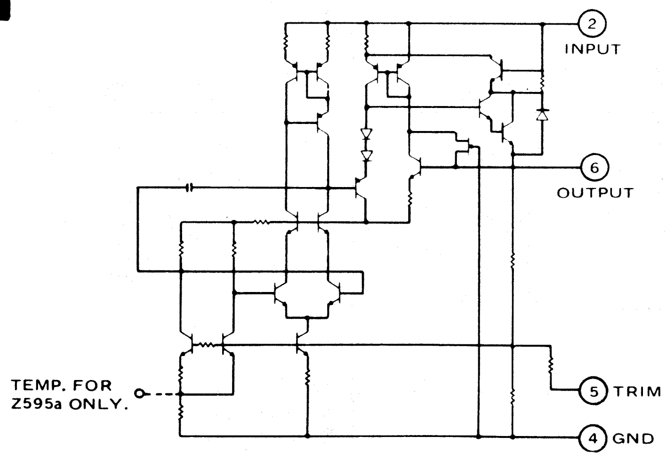


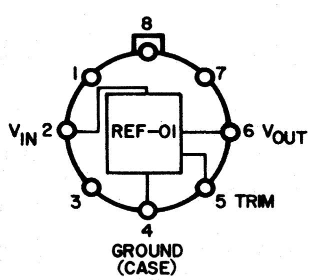


Z590

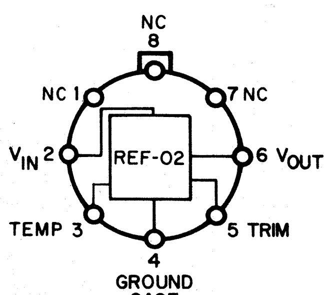


Z595





Z595

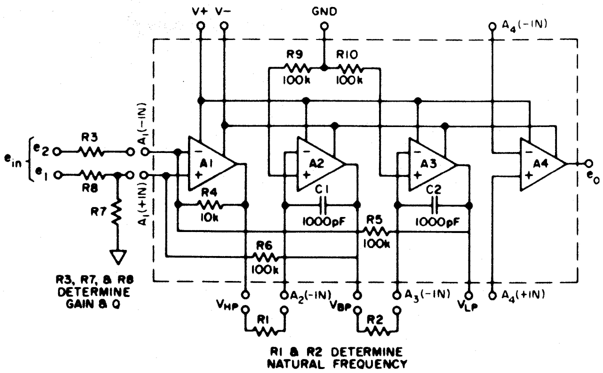


Z595a

Z596

Z596 PIN	Z596 FUNCTION	Z596a PIN	Z596a FUNCTION
2	GND	2	GND
3	INPUT	3	INPUT
8	V− (−15 Volts)	8	V− (−15 Volts)
11	CASE GND	10	OUTPUT
14	V+ (+15 Volts)	11	CASE GND
21	OUTPUT	14	V+ (+15 Volts)
22	GND	22	GND

Z597



Z597

PIN	FUNCTION	PIN	FUNCTION
1	A_1 (+ IN)	9	GND
2	A_1 (−IN)	10	A_4 (−IN)
3	V_{HP}	11	V_O
4	V+	12	V−
5	V_{LP}	13	V_{BP}
6	A_4 (+ IN)	14	A_2 (−IN)
7	A_3 (−IN)	15	NC
8	NC	16	NC

Z597a

PIN	FUNCTION	PIN	FUNCTION
1	NC	8	A_4 (−IN)
2	A_1 (−IN)	9	V_{LP}
3	A_2 (−IN)	10	A_4 (+ IN)
4	V−	11	V+
5	A_3 (−IN)	12	A_1 (+ IN)
6	V_O	13	V_{BP}
7	GND	14	V_{HP}

Z597b

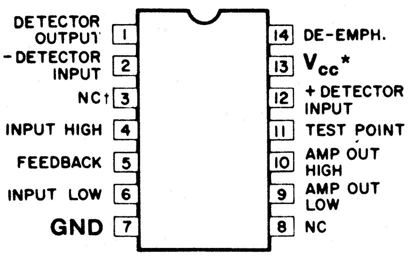
PIN	FUNCTION	PIN	FUNCTION
1	A_4 (+ IN)	9	V_{BP}
2	V_O	10	V+
3	V_{LP}	11	NC
4	NC	12	A_1 (+ IN)
5	A_3 (−IN)	13	V_{HP}
6	NC	14	A_1 (−IN)
7	GND	15	V−
8	A_2 (−IN)	16	A_4 (−IN)

Z598

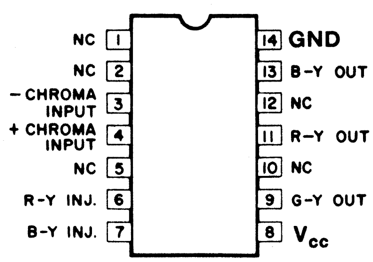
PIN	FUNCTION	PIN	FUNCTION
1	NC	9	$V_{CC}+$
2	NC	10	$V_{CC}-$
3	NC	11	OUTPUT
4	NC	12	INT CONN
5	INPUT	13	INT CONN
6	INT CONN	14	NC
7	INT CONN	15	NC
8	GND	16	NC
		17	NC

Note: An external connection is required between Pins 6 & 7 and Pins 12 & 13.

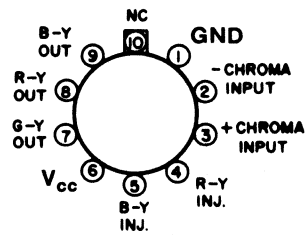
Z600



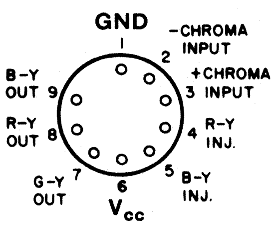
Z601



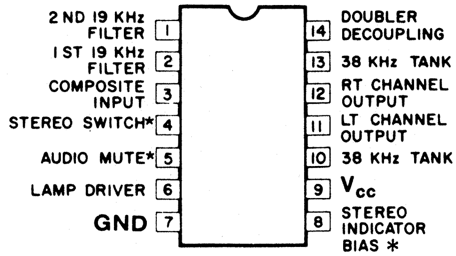
Z602



Z603

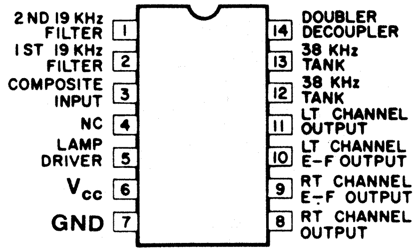


Z604

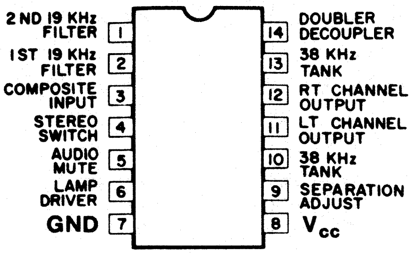


*NC ON PTC 721

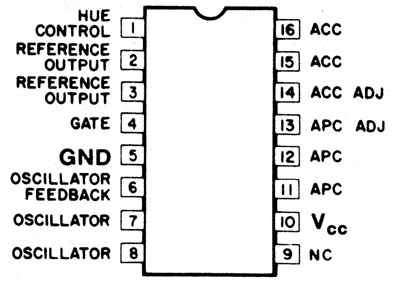
Z605



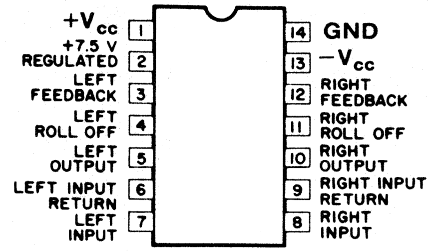
Z606



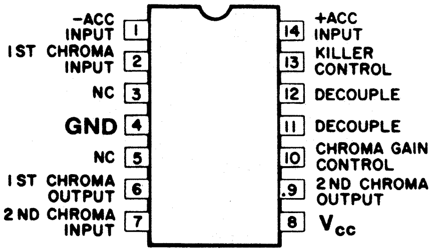
Z607



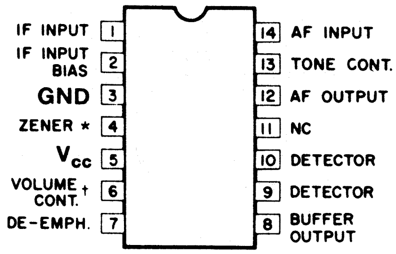
Z608



Z609

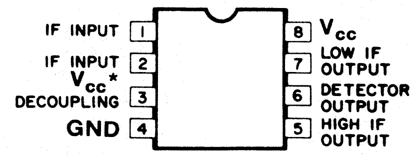


Z610



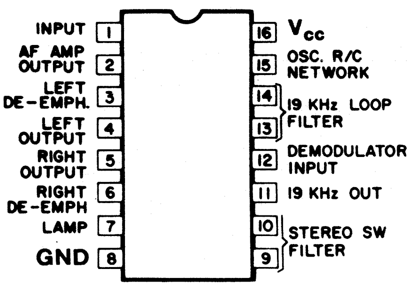
*NC ON PTC 726
†NC ON PTC 723

Z611

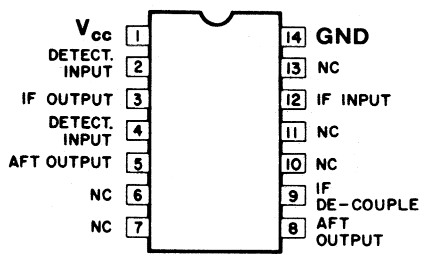


*REGULATED +7.7 V ON PTC 736

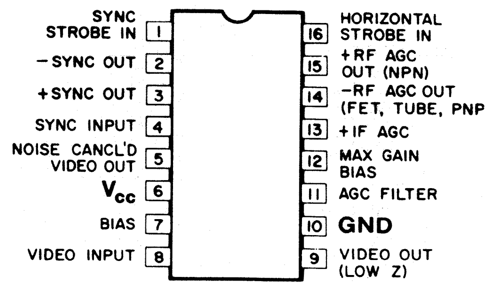
Z612



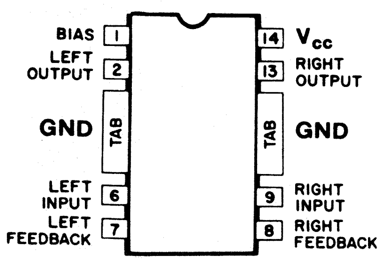
Z613



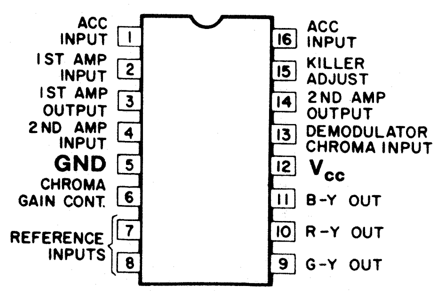
Z614



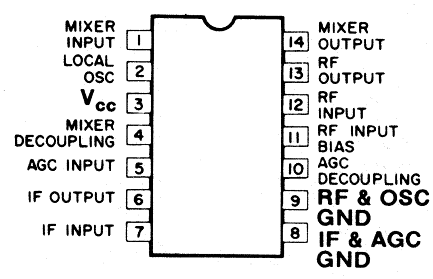
Z615



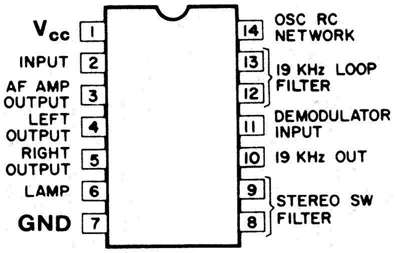
Z616



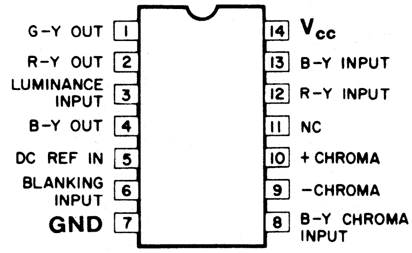
Z617



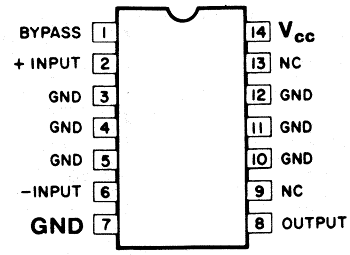
Z618



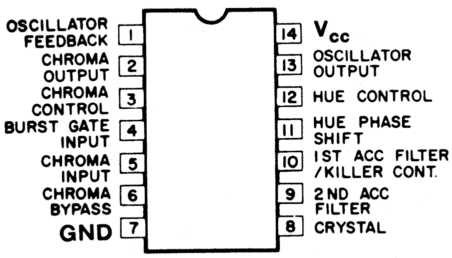
Z619



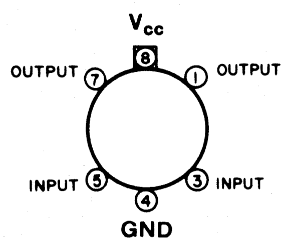
Z620



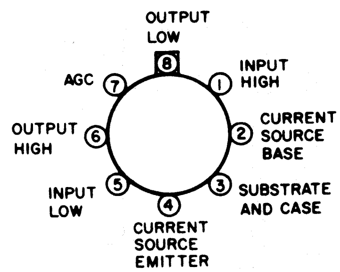
Z621



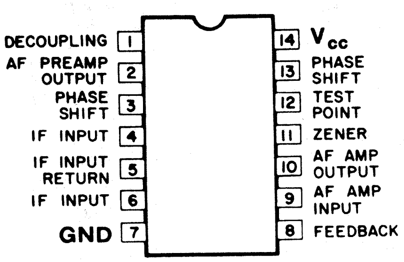
Z622



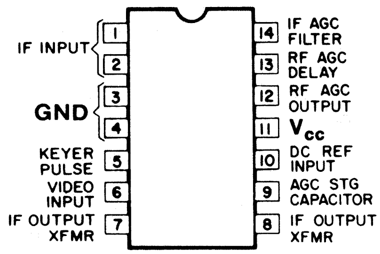
Z623



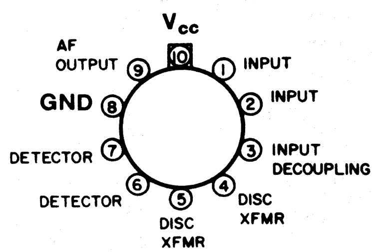
Z624



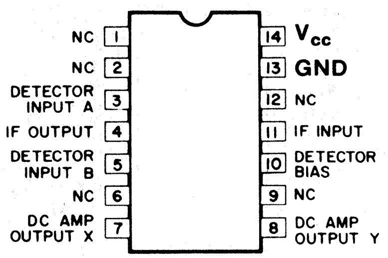
Z625



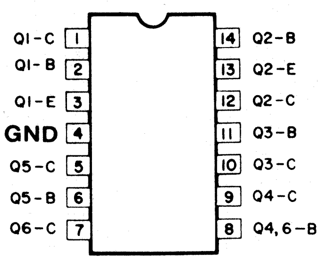
Z626



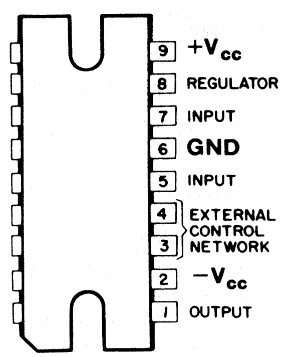
Z627



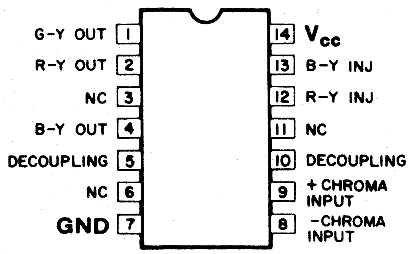
Z628



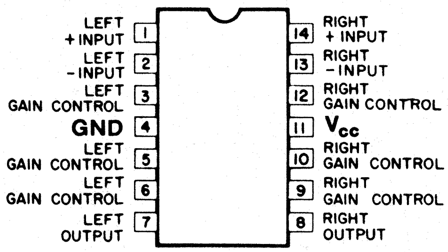
Z629



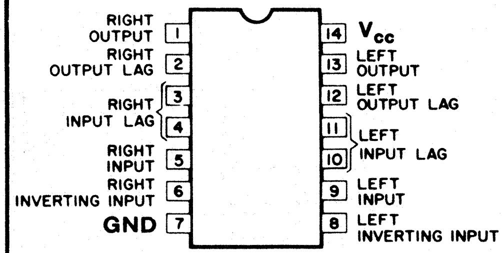
Z630



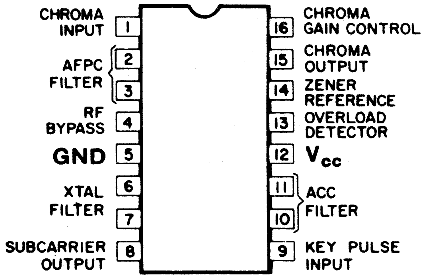
Z631



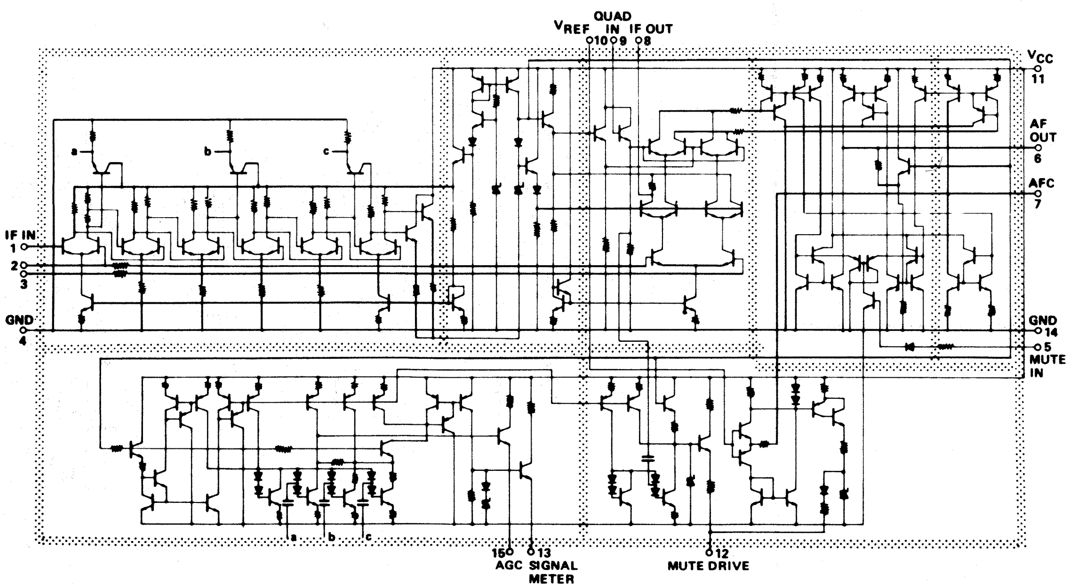
Z632



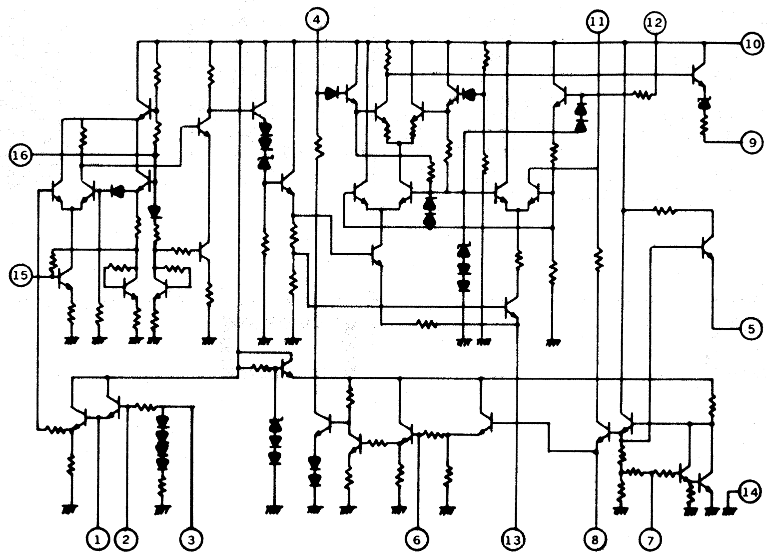
Z633



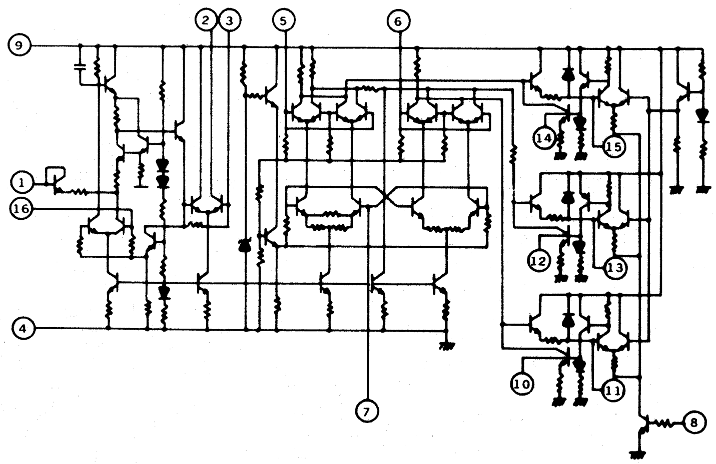
Z634



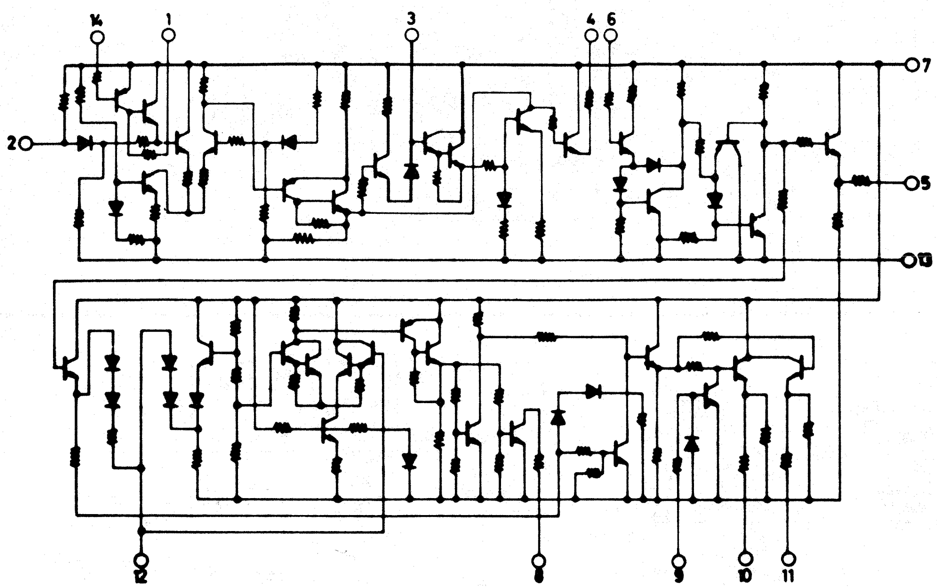
Z635



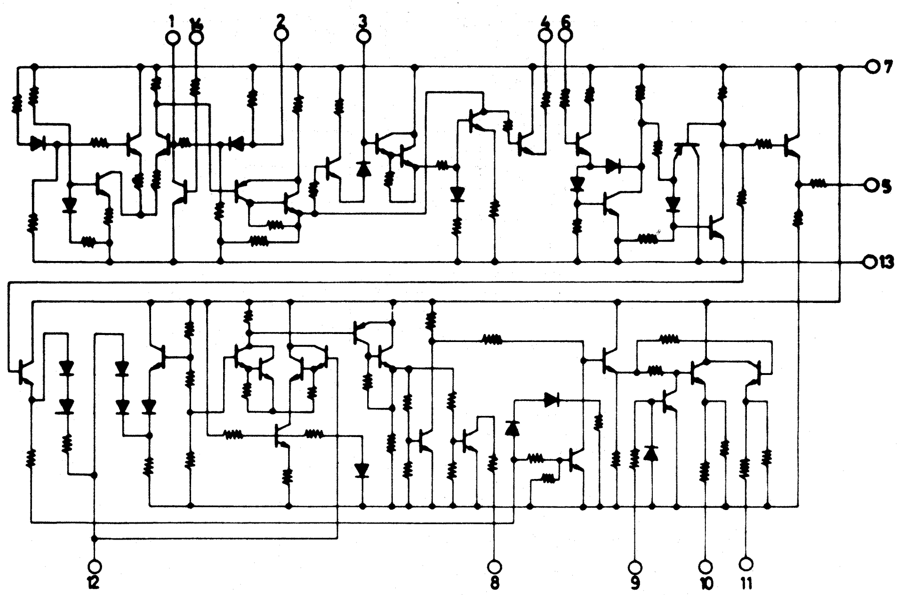
Z636



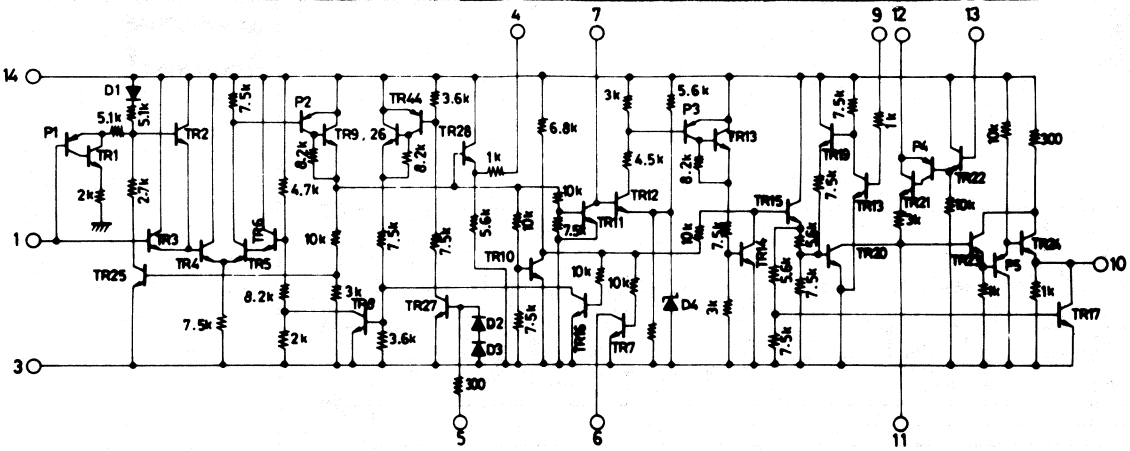
Z637



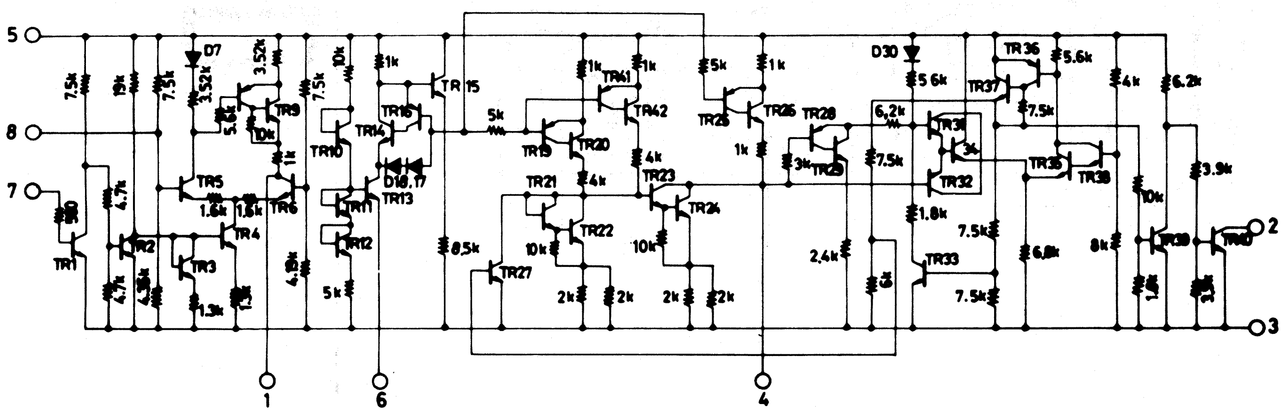
Z638



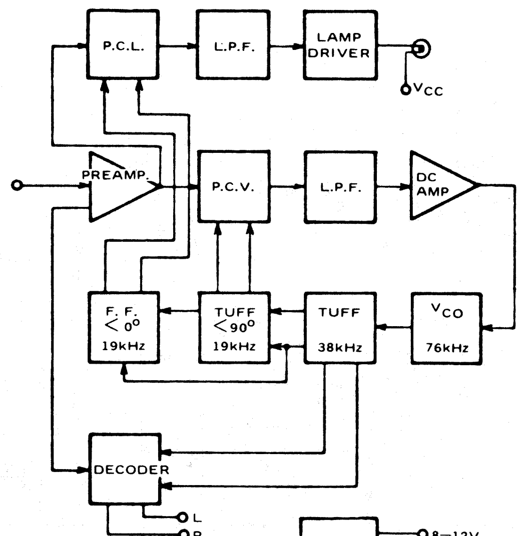
Z639

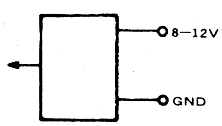


Z640



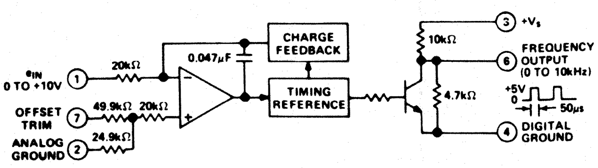
Z641



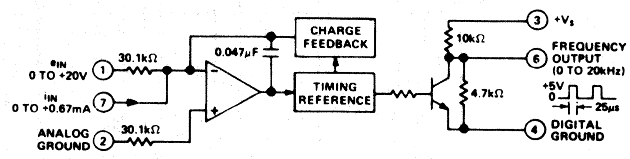


P.C.L.—PHASE COMPARATOR FOR LAMP
L.P.F.—LOW PASS FILTER
P.C.V.—PHASE COMPARATOR FOR VCO
VCO—VOLTAGE CONTROLLED OSCILLATOR
TUFF—DIRECT COUPLED TYPE FLIP-FLOP

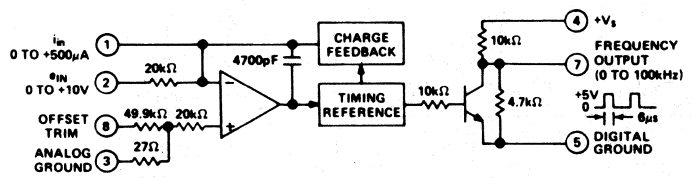
Z642



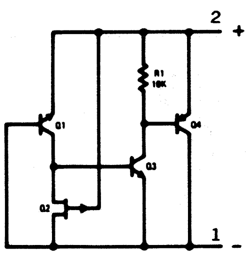
Z643



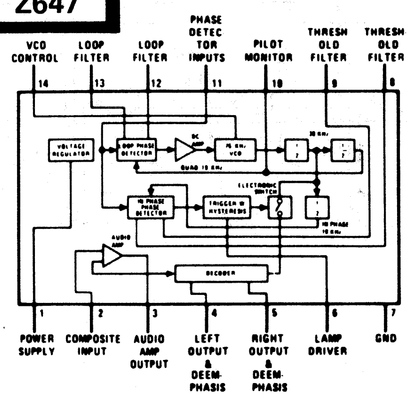
Z644



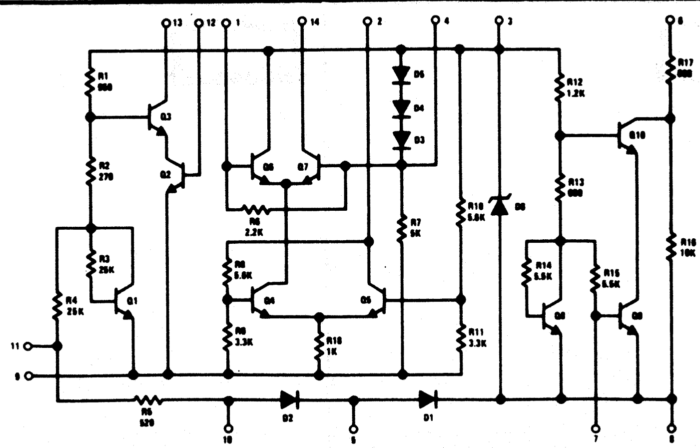
Z645



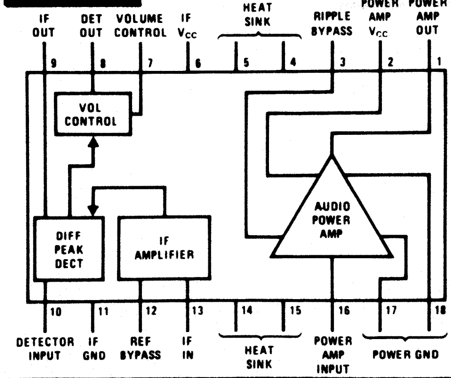
Z647



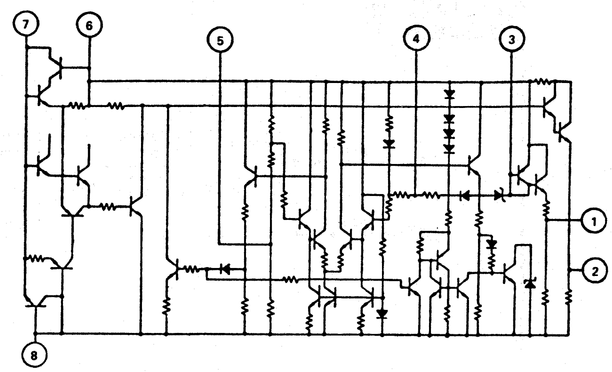
Z648



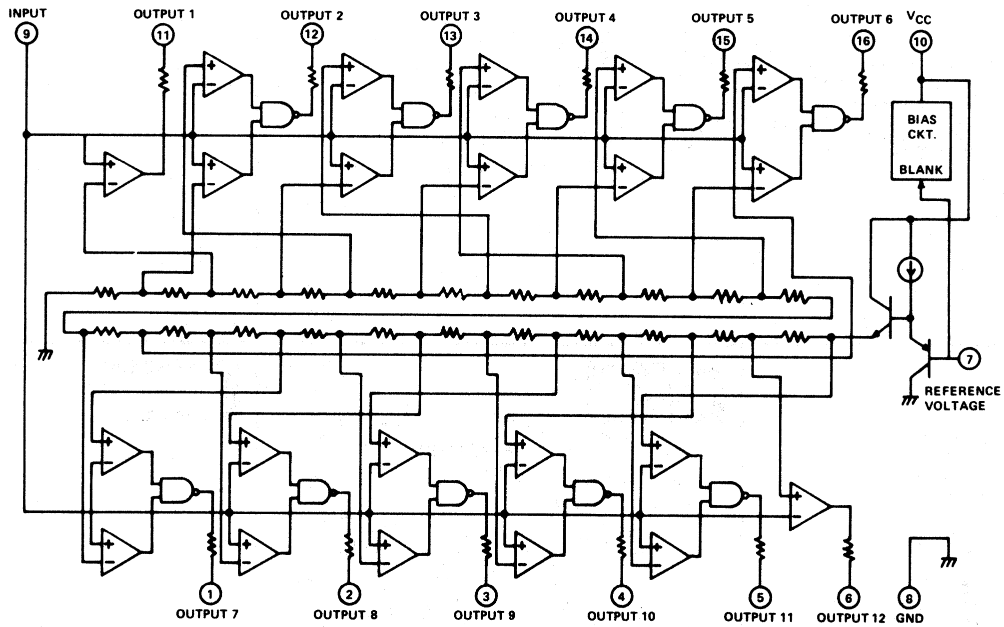
Z650



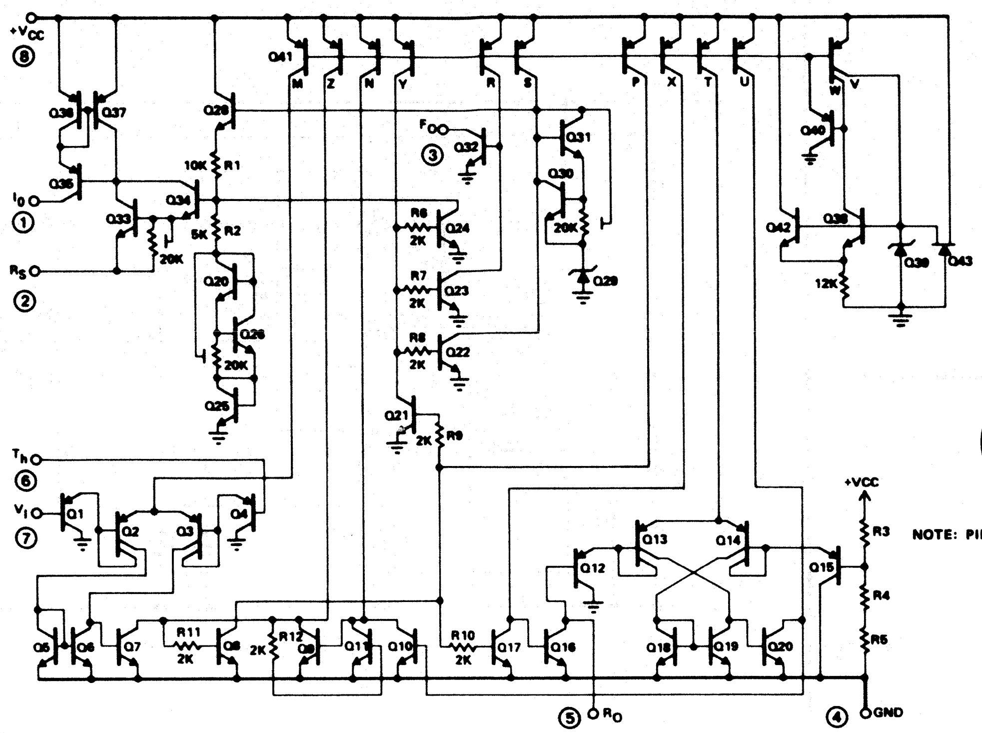
Z651


7
6
5
4
3
1
2
8

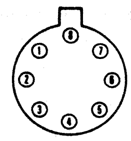
Z652


INPUT
9
OUTPUT 1
11
OUTPUT 2
12
OUTPUT 3
13
OUTPUT 4
14
OUTPUT 5
15
OUTPUT 6
16
VCC
10
BIAS CKT.
BLANK
7
REFERENCE VOLTAGE
1
OUTPUT 7
2
OUTPUT 8
3
OUTPUT 9
4
OUTPUT 10
5
OUTPUT 11
6
OUTPUT 12
8
GND

Z653



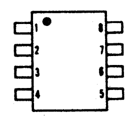
(Top View)



Z653

NOTE: PIN 4 CONNECTED TO CASE

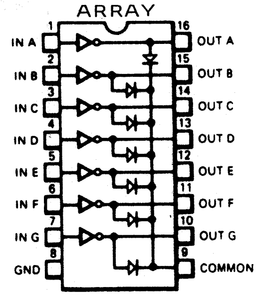
(Top View)



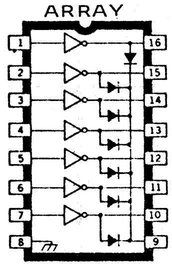
Z653a

Z654

7 TRANSISTOR ARRAY

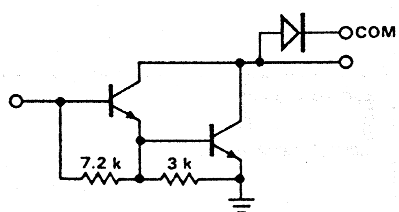


8 TRANSISTOR ARRAY

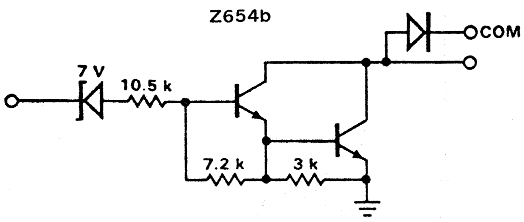


EQUIVALENT CIRCUIT
(Each Device)

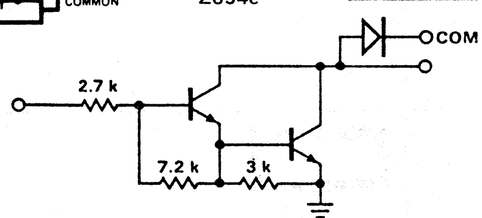
Z654a



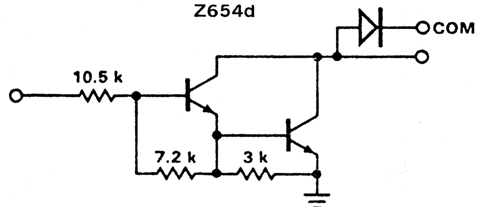
Z654b



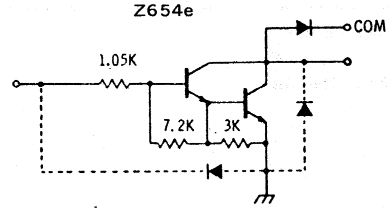
Z654c



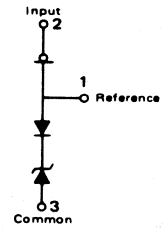
Z654d



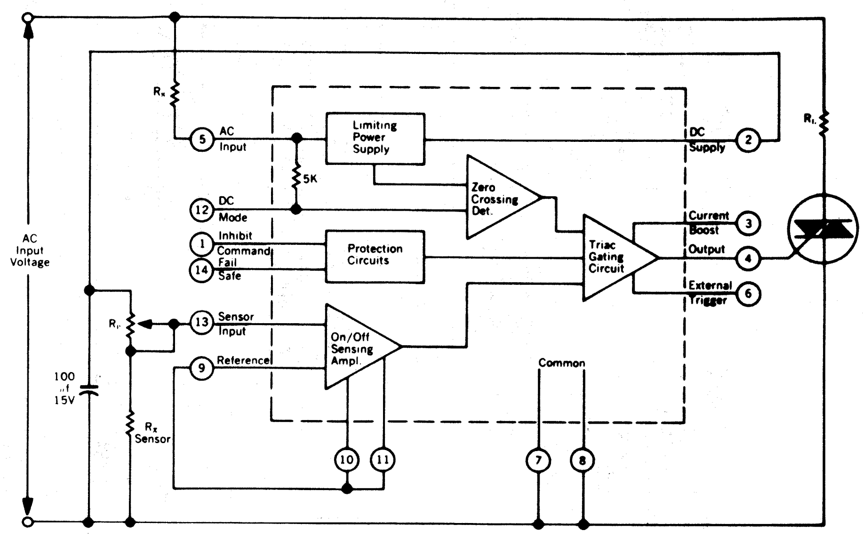
Z654e



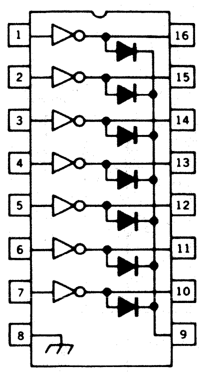
Z655


Input
2
1
Reference
3
Common

Z656

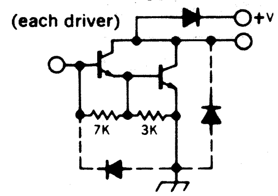

AC Input Voltage
Rx
5 AC Input
Limiting Power Supply
DC Supply 2
5K
12 DC Mode
Zero Crossing Det.
1 Inhibit Command
14 Fail Safe
Protection Circuits
Triac Gating Circuit
Current Boost 3
Output 4
External Trigger 6
RL
13 Sensor Input
9 Reference
On/Off Sensing Ampl.
Common
100 μf 15V
RS Sensor
10
11
7
8

Z657

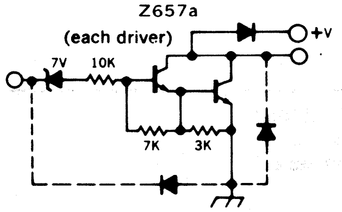


PARTIAL SCHEMATICS

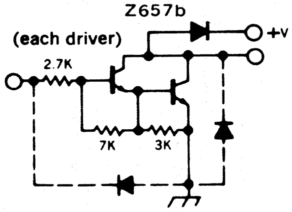
Z657



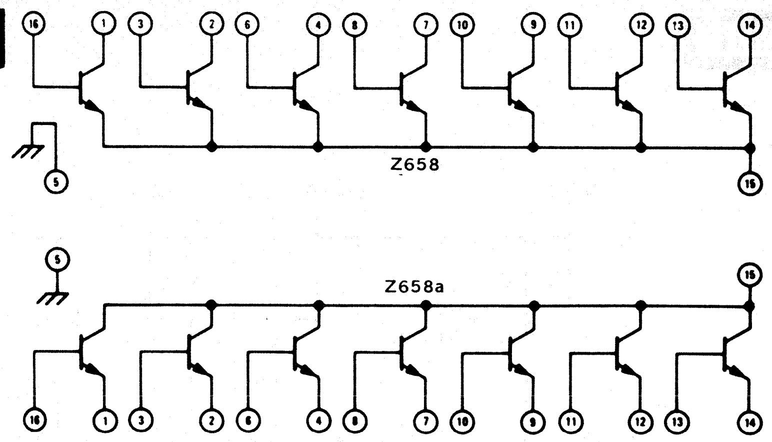
Z657a



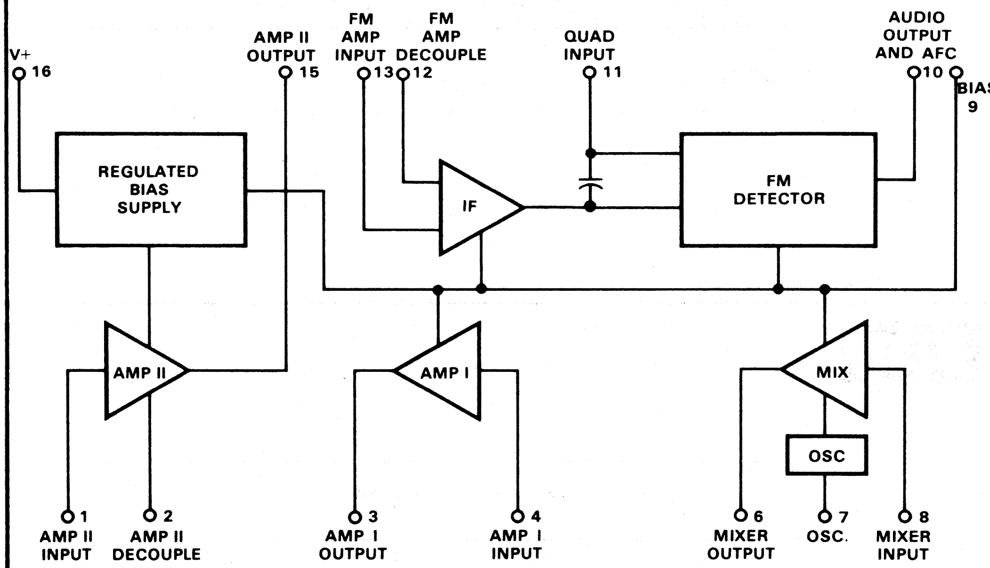
Z657b



Z658

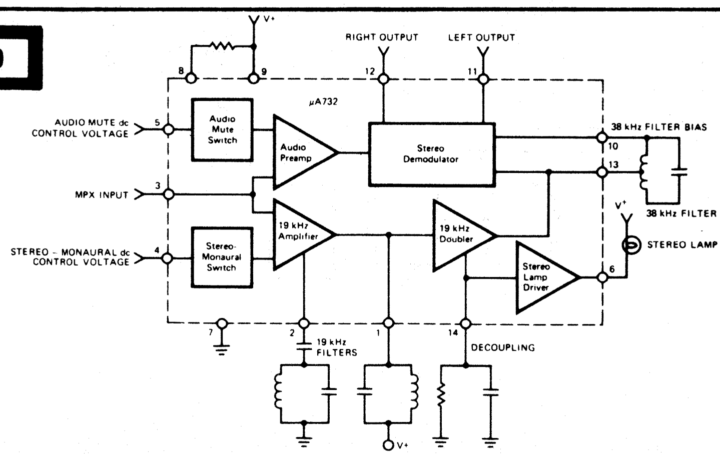


Z659

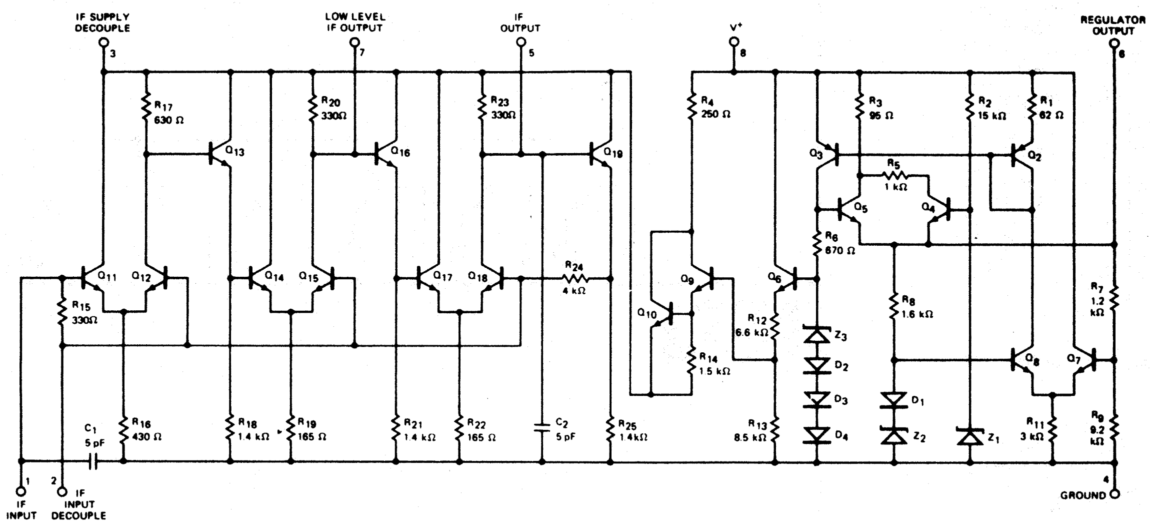


Pin 5 = GND 1
Pin 14 = GND 2

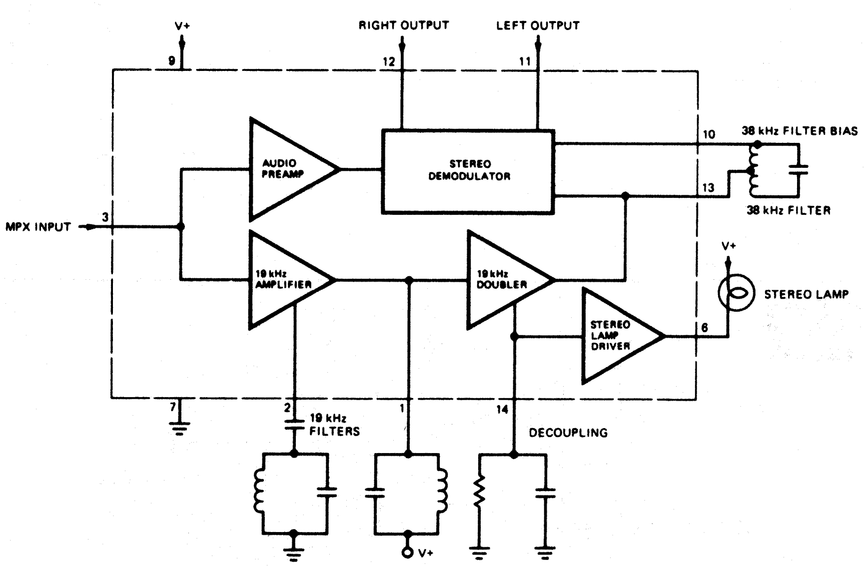
Z660



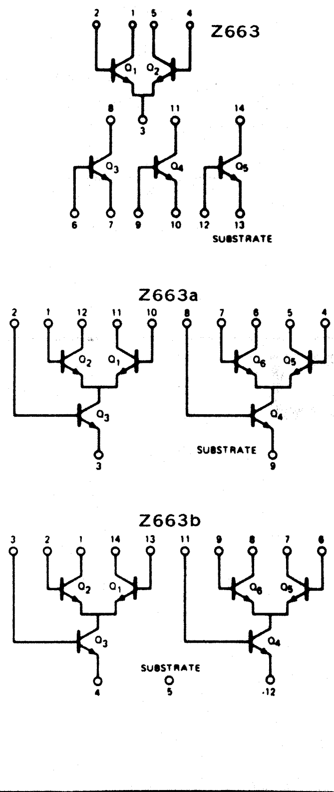
Z661



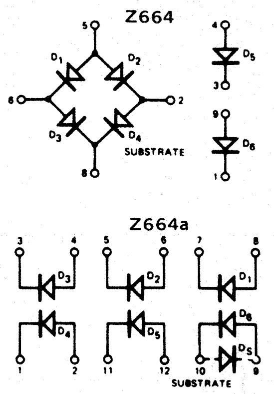
Z662



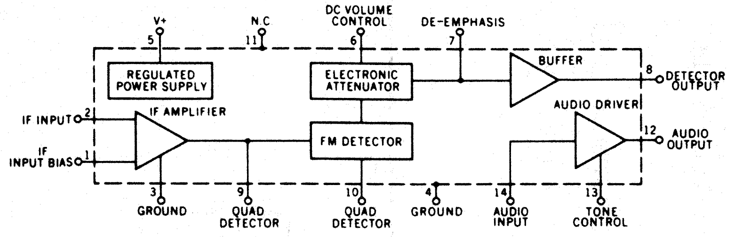
Z663



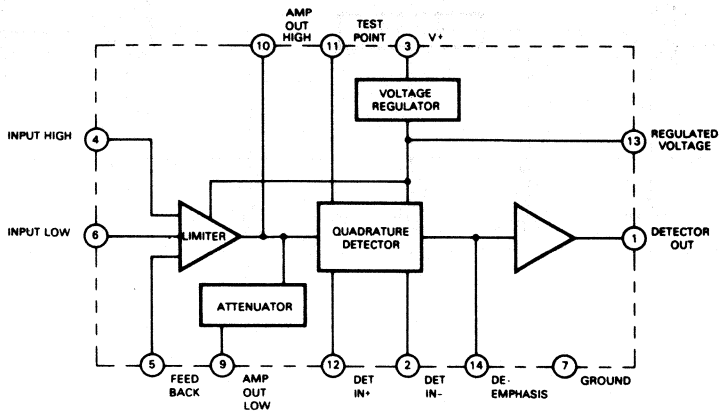
Z664



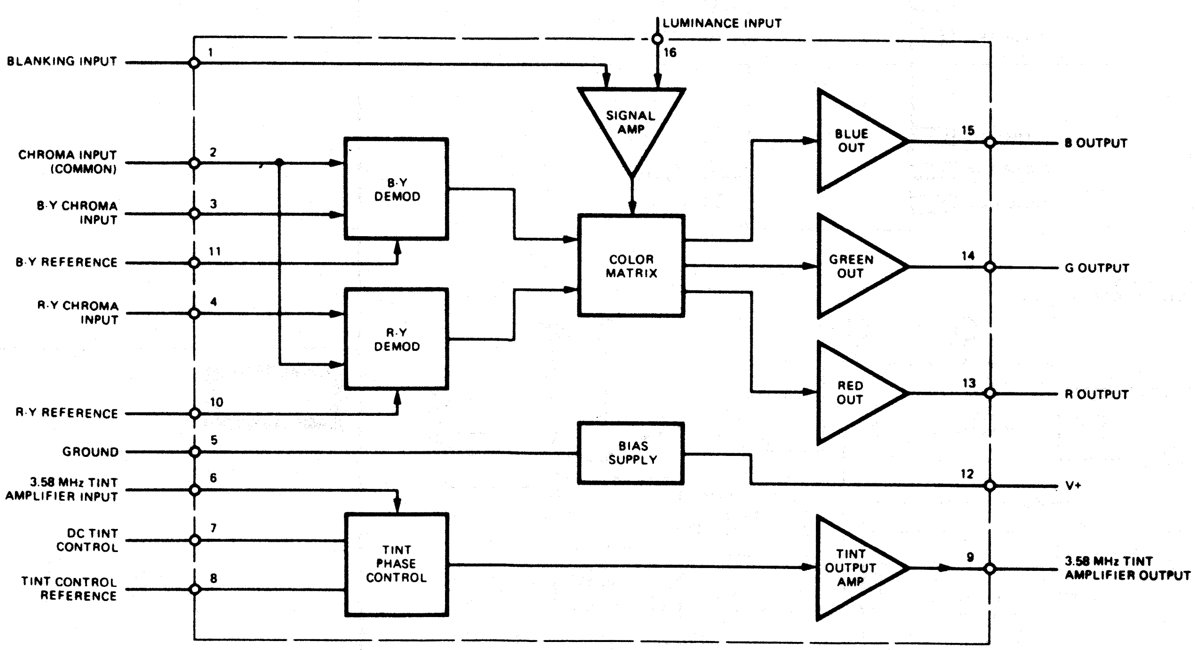
Z666



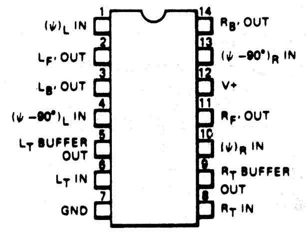
Z667



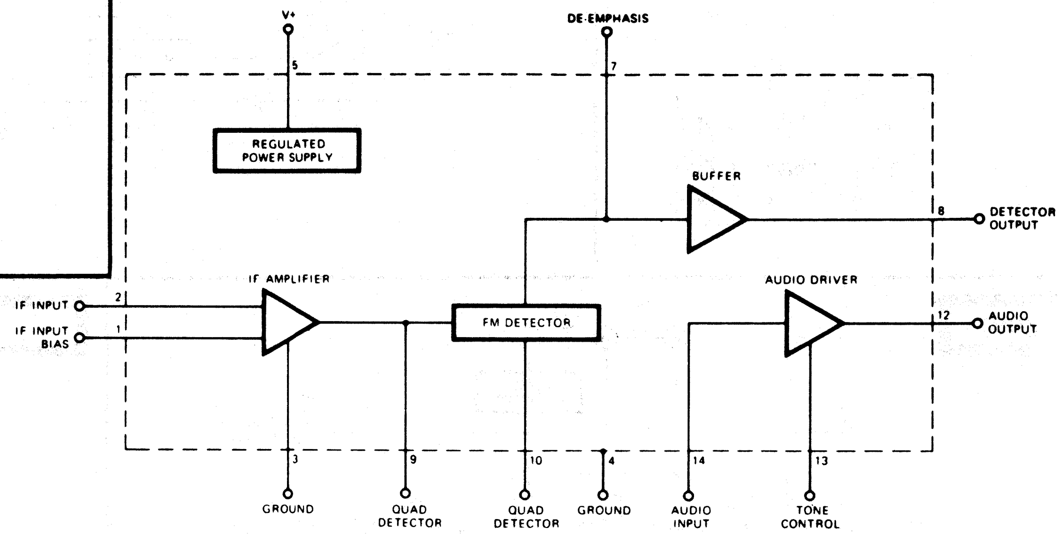
Z668



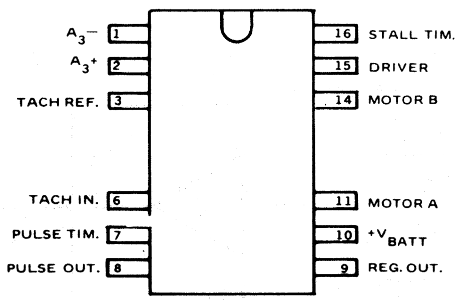
Z669

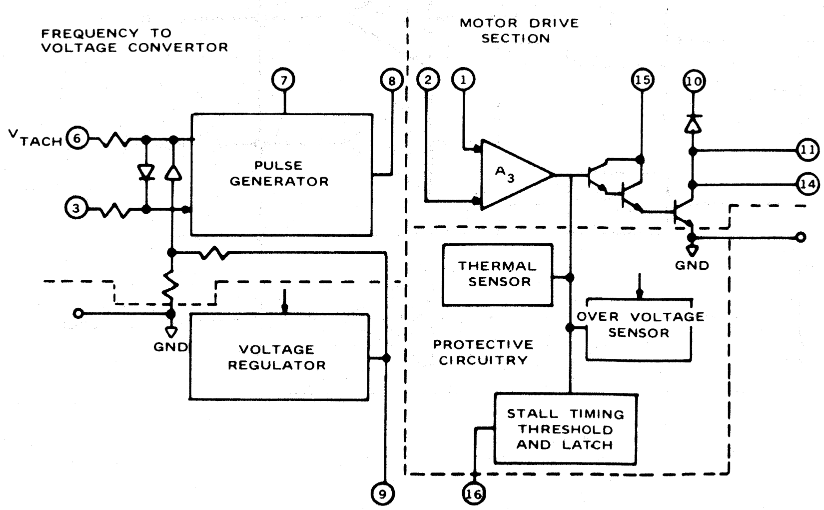


Z670

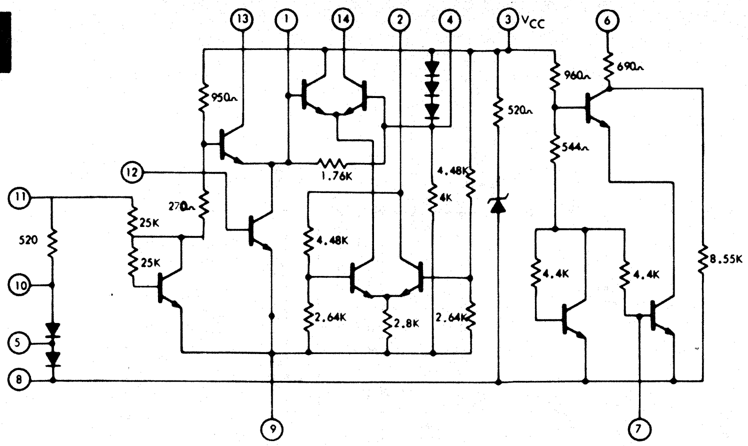


Z671

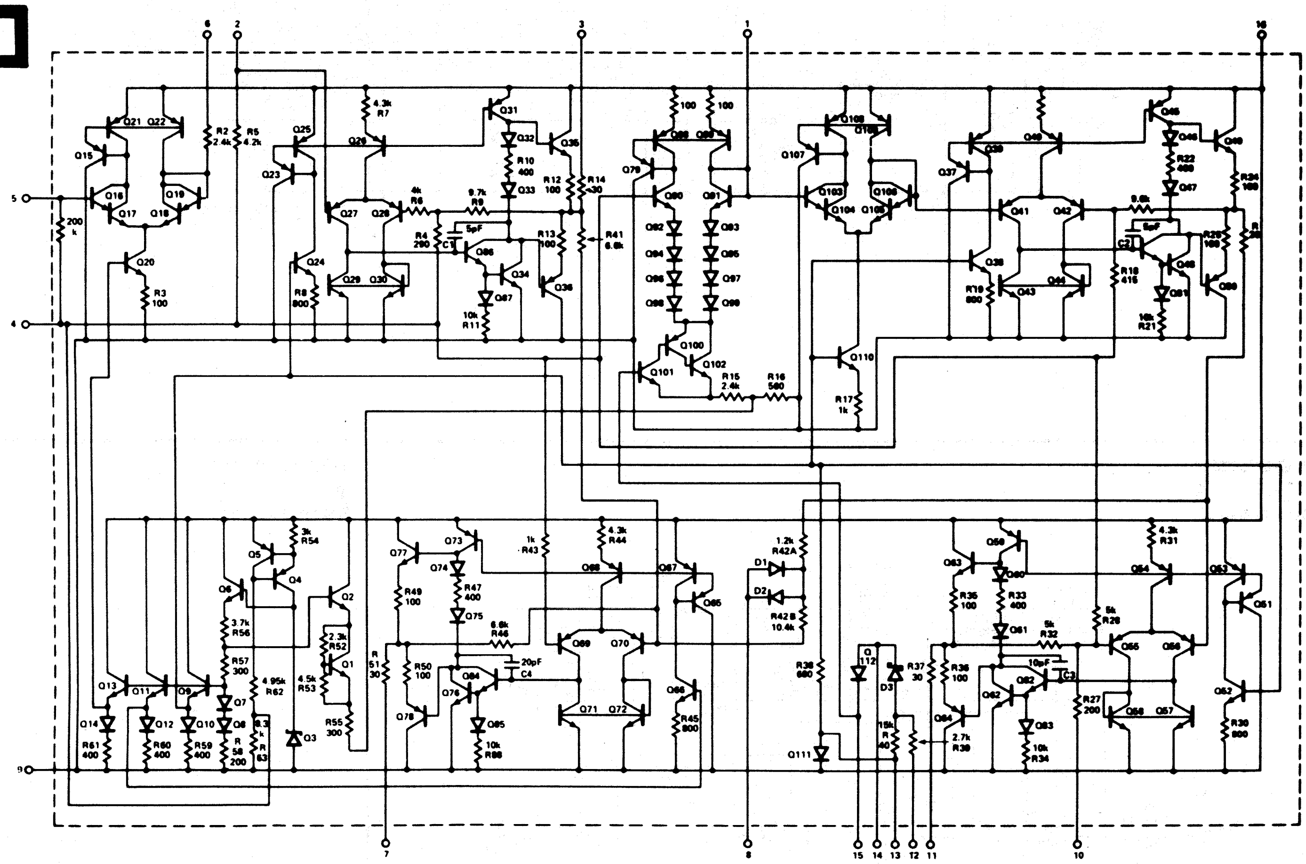




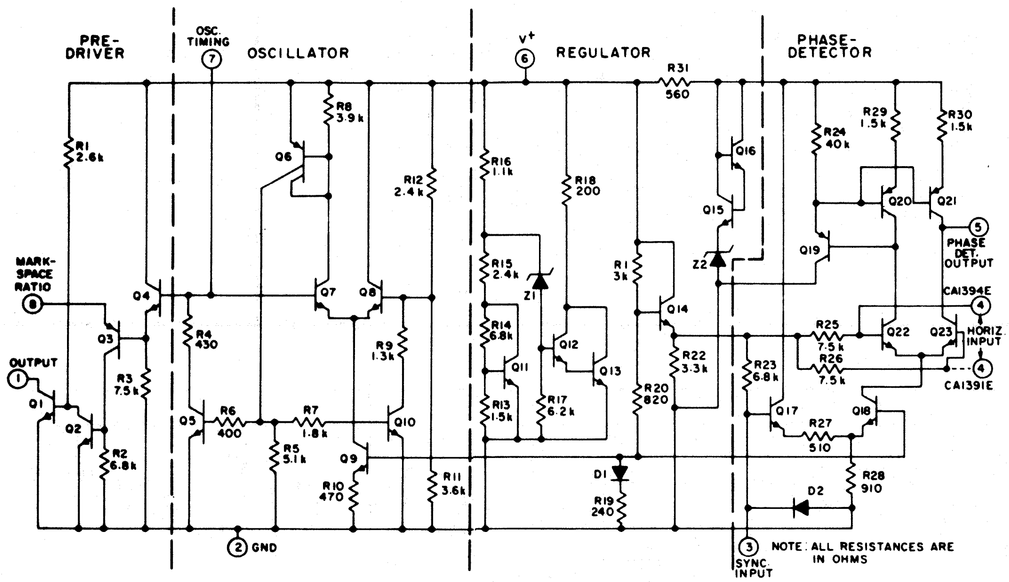
Z672



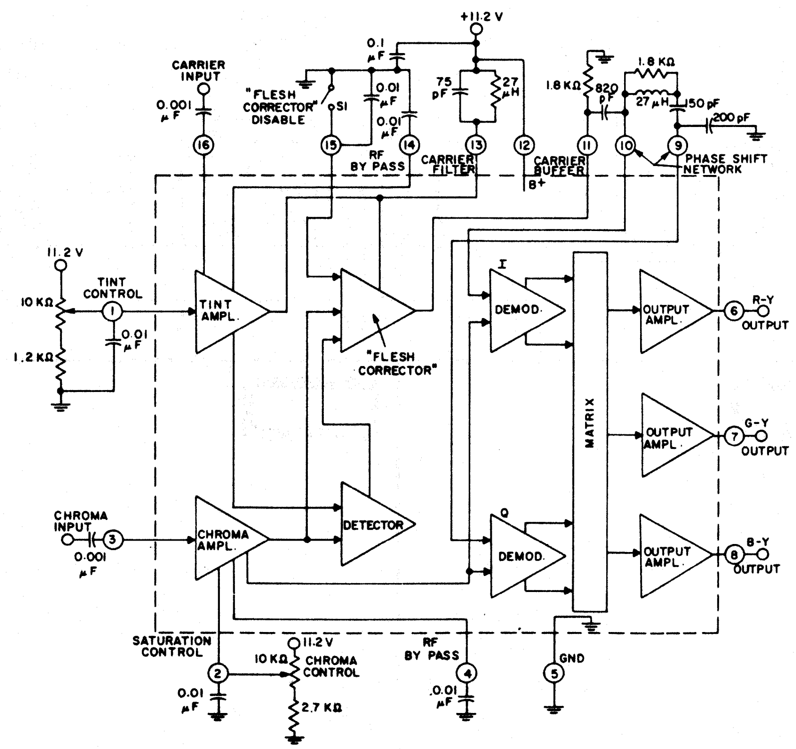
Z673



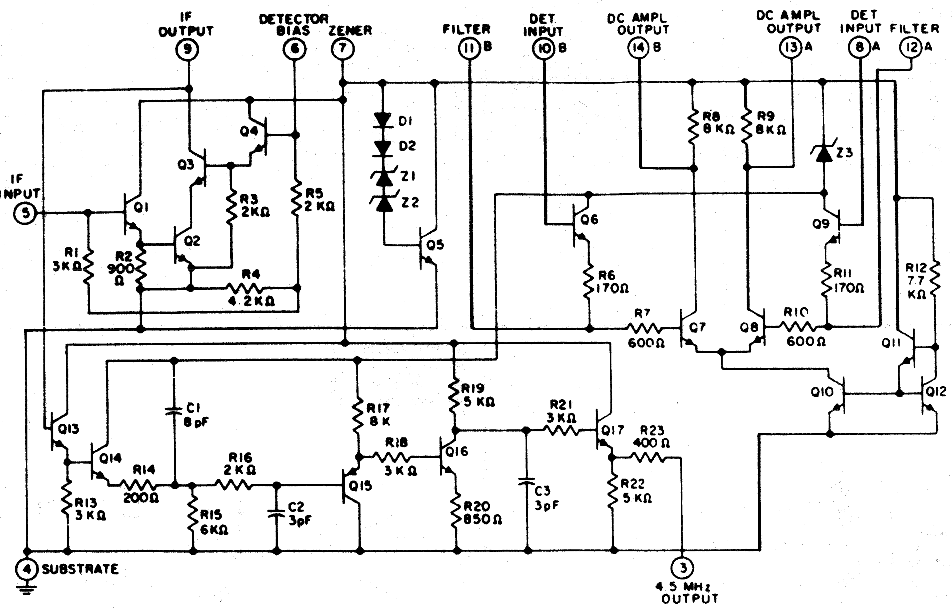
Z674


PRE-DRIVER
OSC. TIMING
OSCILLATOR
V+
REGULATOR
PHASE-DETECTOR
R31 560
R8 3.9k
R1 2.6k
R12 2.4k
R16 1.1k
R18 200
R24 40k
R29 1.5k
R30 1.5k
MARK-SPACE RATIO
OUTPUT
R3 7.5k
R4 430
R9 1.3k
R15 2.4k
R14 6.8k
R13 1.5k
R17 6.2k
R1 3k
R20 820
R22 3.3k
R23 6.8k
R25 7.5k
R26 7.5k
R27 510
R28 910
R2 6.8k
R6 400
R7 1.8k
R5 5.1k
R10 470
R11 3.6k
R19 240
PHASE DET. OUTPUT
CA1394E
HORIZ. INPUT
CA1391E
GND
SYNC. INPUT
NOTE: ALL RESISTANCES ARE IN OHMS

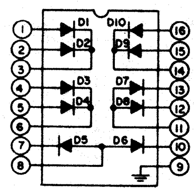
Z675


+11.2 V
CARRIER INPUT
0.001 μF
"FLESH CORRECTOR" DISABLE
S1
0.1 μF
0.01 μF
0.01 μF
75 pF
27 μH
1.8 KΩ
820 pF
1.8 KΩ
27 μH
150 pF
200 pF
RF BY PASS
CARRIER FILTER
CARRIER BUFFER B+
PHASE SHIFT NETWORK
11.2 V
TINT CONTROL
10 KΩ
1.2 KΩ
0.01 μF
TINT AMPL.
"FLESH CORRECTOR"
I
DEMOD.
MATRIX
OUTPUT AMPL.
R-Y OUTPUT
G-Y OUTPUT
B-Y OUTPUT
CHROMA INPUT
0.001 μF
CHROMA AMPL.
DETECTOR
Q
DEMOD.
SATURATION CONTROL
11.2V
10 KΩ
CHROMA CONTROL
2.7 KΩ
0.01 μF
RF BY PASS
.0.01 μF
GND

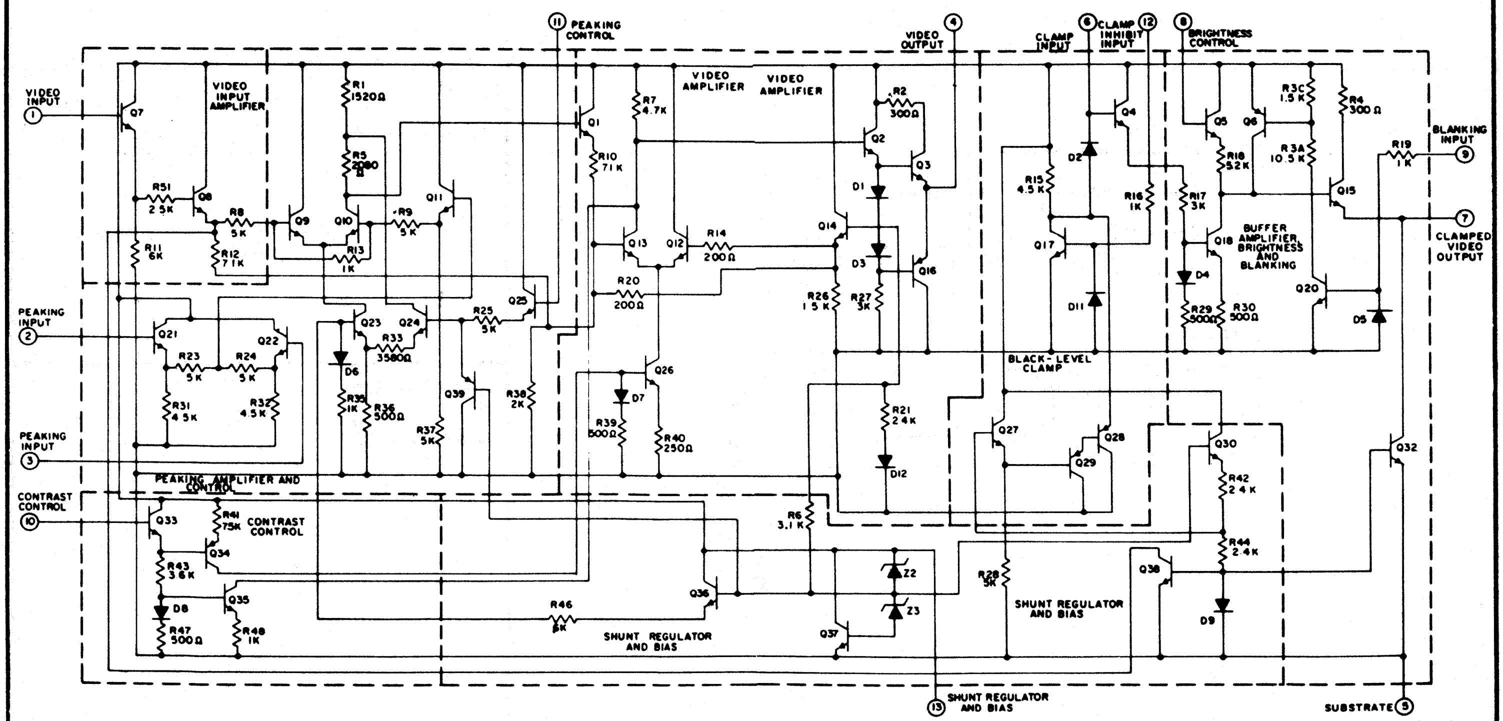
Z676



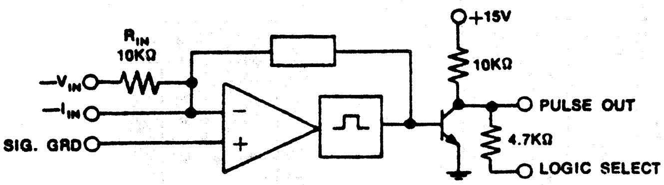
Z677



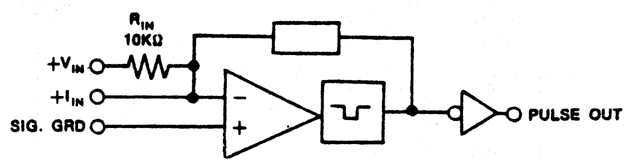
Z678



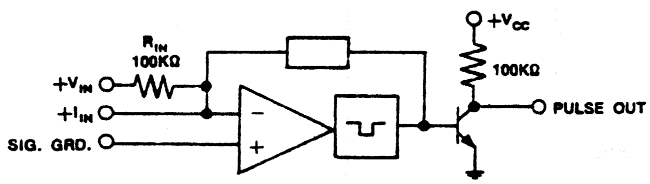
Z679



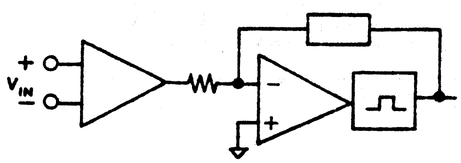
Z680



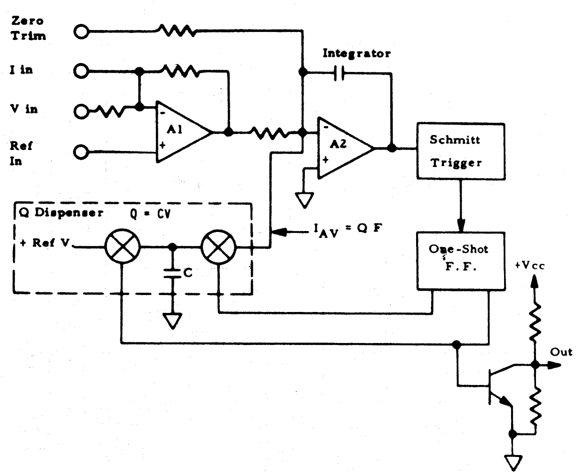
Z681



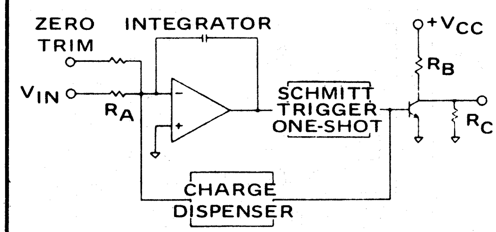
Z682



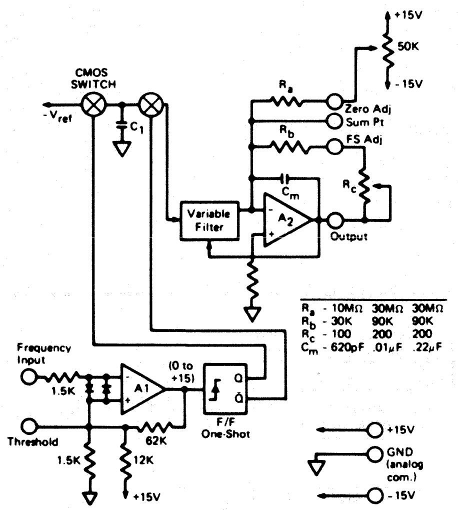
Z683



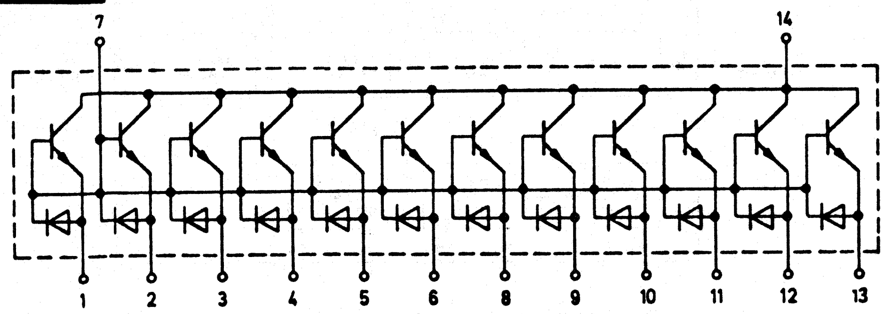
Z684



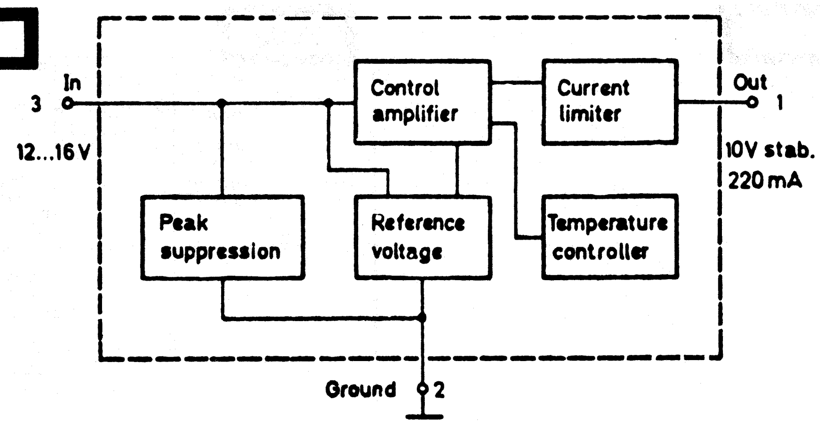
Z685



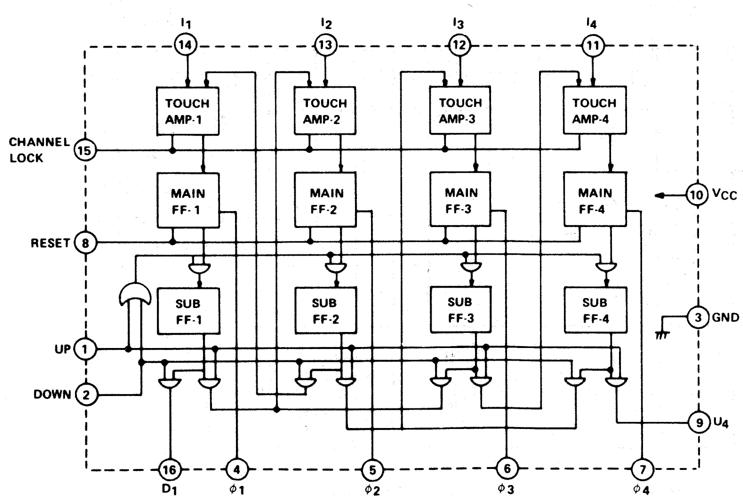
Z686



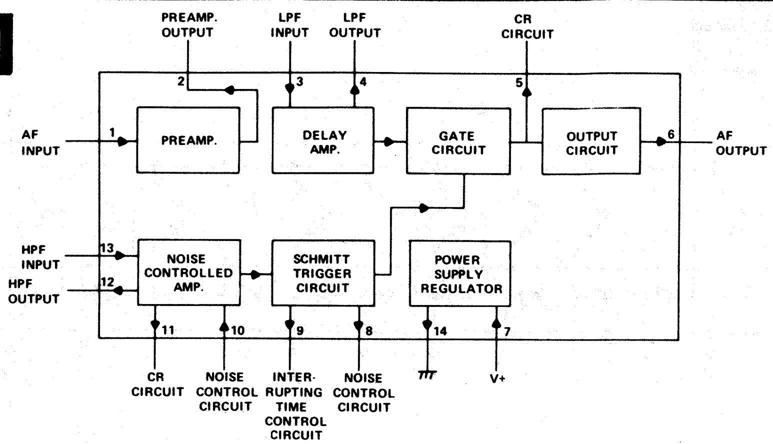
Z687



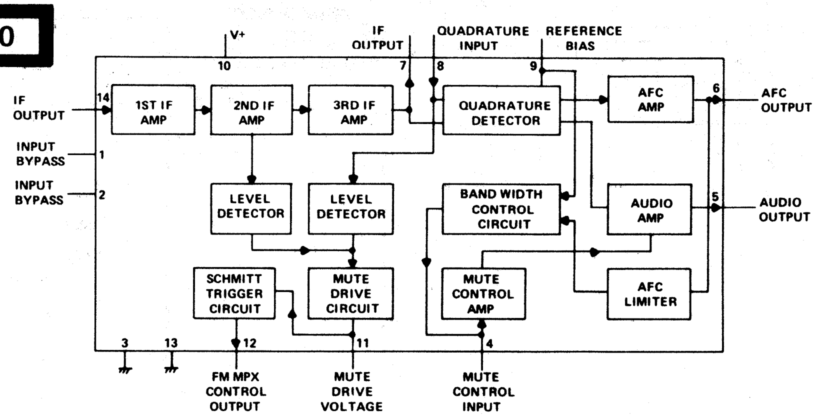
Z688



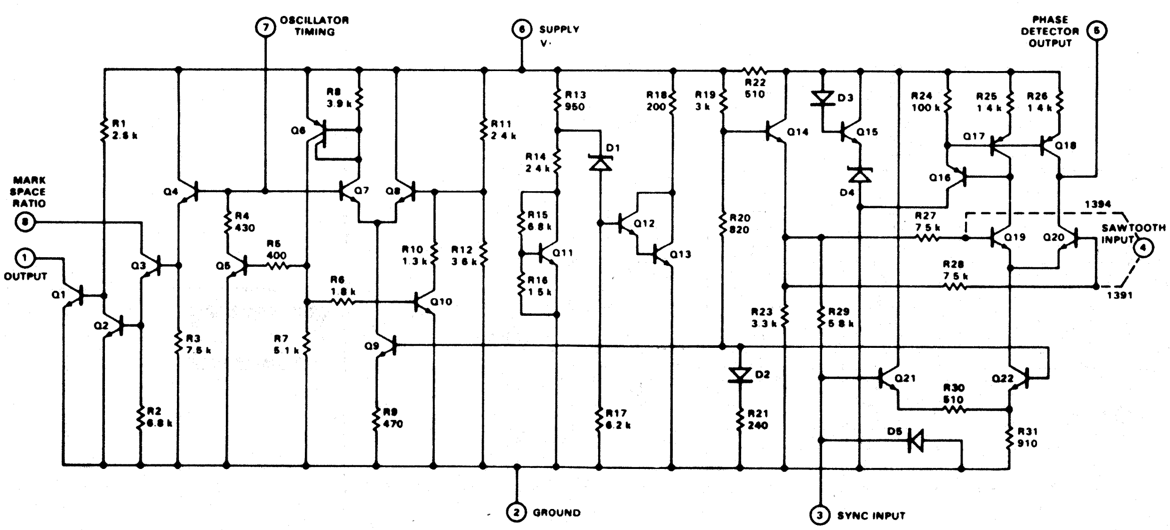
Z689



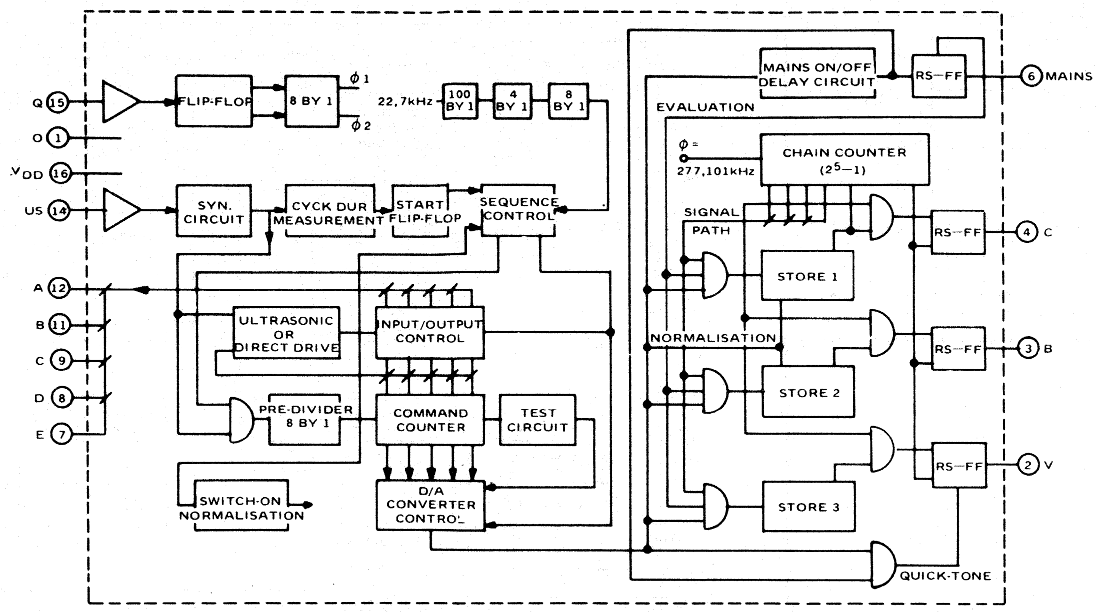
Z690



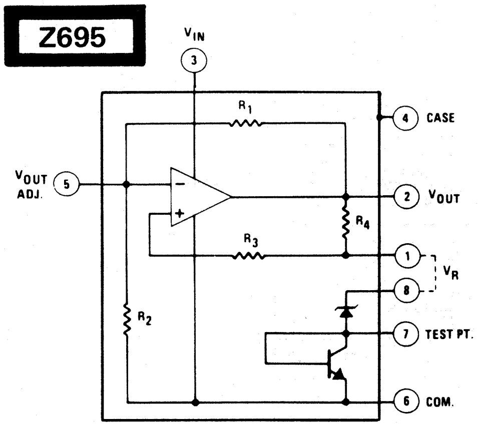
Z691



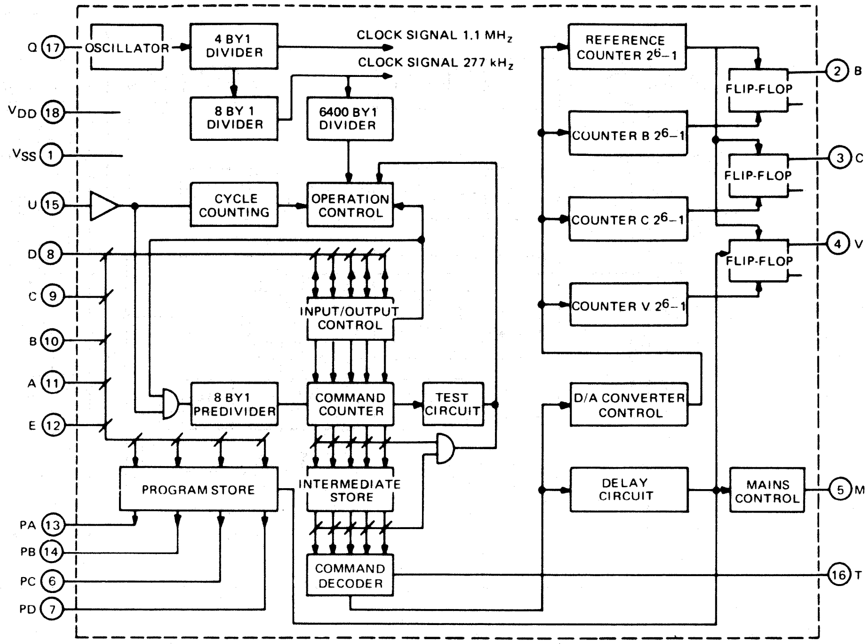
Z694


Q 15
O 1
VDD 16
US 14
A 12
B 11
C 9
D 8
E 7
FLIP-FLOP
8 BY 1
ϕ 1
ϕ 2
22,7kHz
100 BY 1
4 BY 1
8 BY 1
SYN. CIRCUIT
CYCK DUR MEASUREMENT
START FLIP-FLOP
SEQUENCE CONTROL
ULTRASONIC OR DIRECT DRIVE
INPUT/OUTPUT CONTROL
PRE-DIVIDER 8 BY 1
COMMAND COUNTER
TEST CIRCUIT
SWITCH-ON NORMALISATION
D/A CONVERTER CONTROL
MAINS ON/OFF DELAY CIRCUIT
RS—FF
6 MAINS
EVALUATION
ϕ =
277,101kHz
CHAIN COUNTER
(2⁵−1)
SIGNAL PATH
RS—FF
4 C
STORE 1
NORMALISATION
RS—FF
3 B
STORE 2
RS—FF
2 V
STORE 3
QUICK-TONE

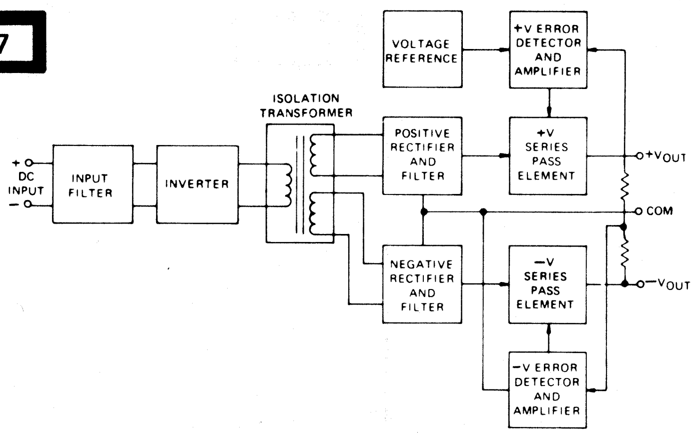
Z695



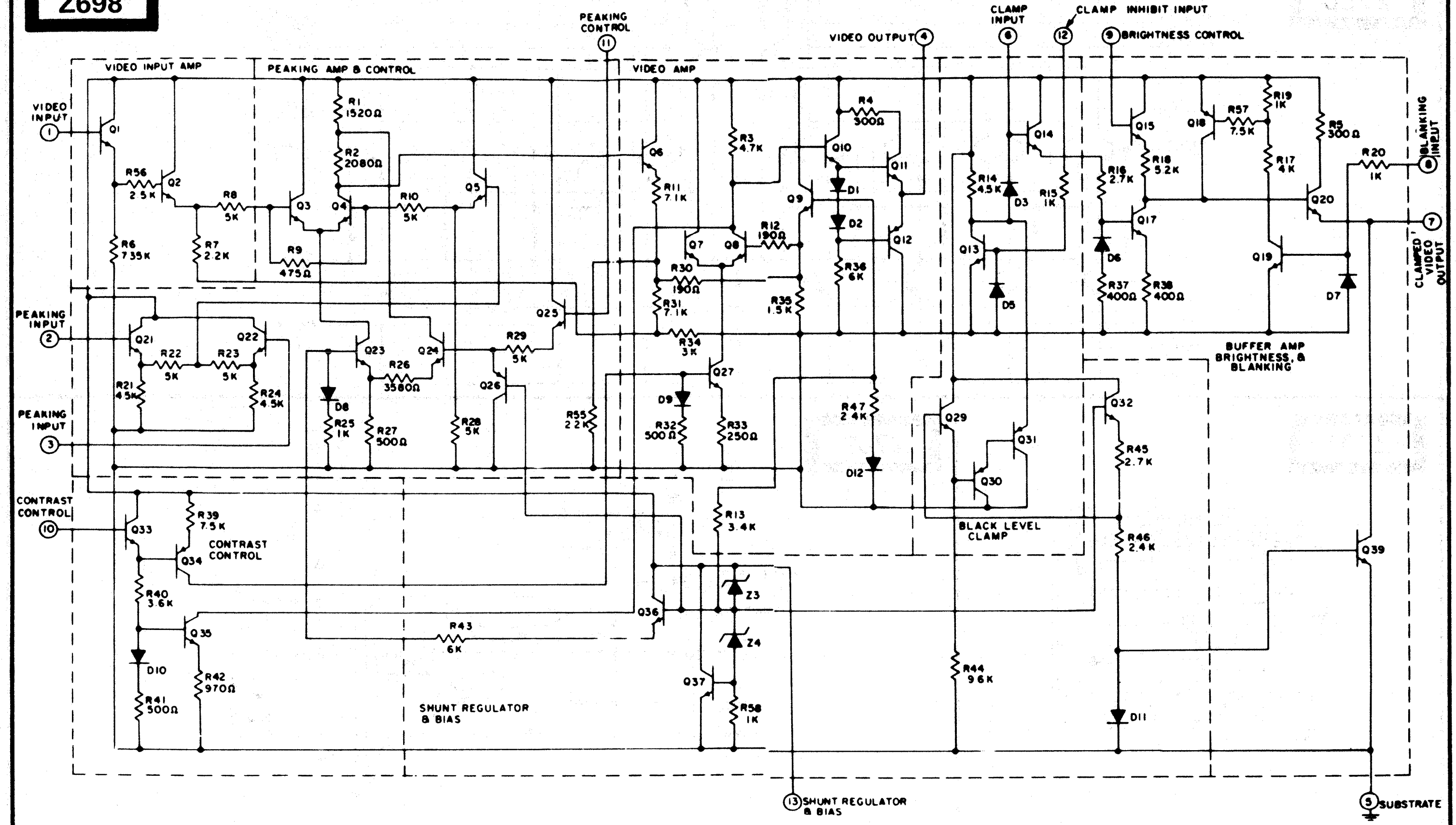
Z696



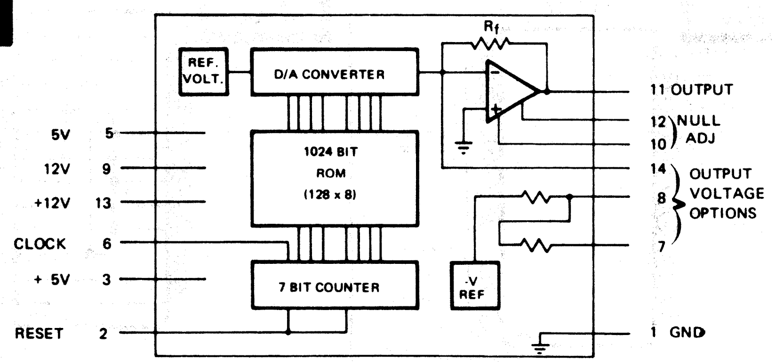
Z697



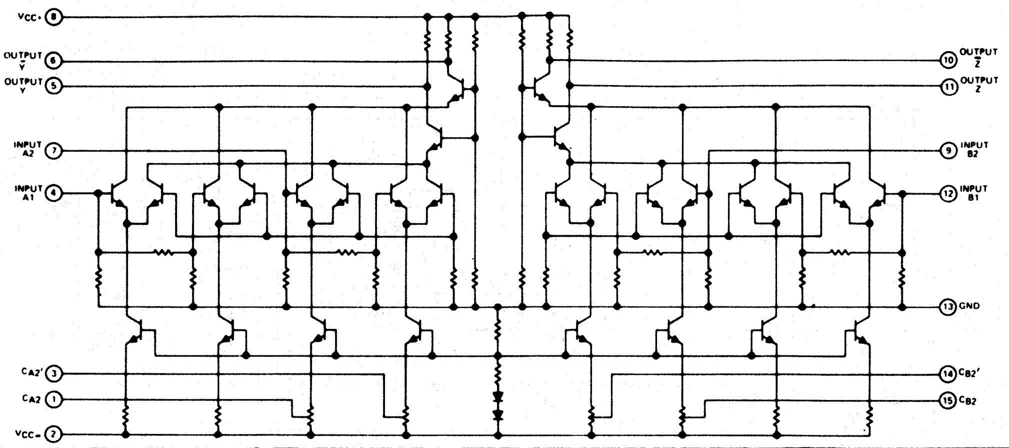
Z698


VIDEO INPUT AMP
PEAKING AMP & CONTROL
VIDEO AMP
PEAKING CONTROL
VIDEO OUTPUT
CLAMP INPUT
CLAMP INHIBIT INPUT
BRIGHTNESS CONTROL
VIDEO INPUT
PEAKING INPUT
PEAKING INPUT
CONTRAST CONTROL
BLANKING INPUT
CLAMPED VIDEO OUTPUT
BUFFER AMP BRIGHTNESS, & BLANKING
BLACK LEVEL CLAMP
CONTRAST CONTROL
SHUNT REGULATOR & BIAS
SHUNT REGULATOR & BIAS
SUBSTRATE
R1 1520Ω
R2 2080Ω
R3 4.7K
R4 300Ω
R5 300Ω
R6 7.35K
R7 2.2K
R8 5K
R9 475Ω
R10 5K
R11 7.1K
R12 190Ω
R13 3.4K
R14 4.5K
R15 1K
R16 2.7K
R17 4K
R18 5.2K
R19 1K
R20 1K
R21 4.5K
R22 5K
R23 5K
R24 4.5K
R25 1K
R26 3580Ω
R27 500Ω
R28 5K
R29 5K
R30 190Ω
R31 7.1K
R32 500Ω
R33 250Ω
R34 3K
R35 1.5K
R36 6K
R37 400Ω
R38 400Ω
R39 7.5K
R40 3.6K
R41 500Ω
R42 970Ω
R43 6K
R44 9.6K
R45 2.7K
R46 2.4K
R47 2.4K
R55 2.2K
R56 2.5K
R57 7.5K
R58 1K

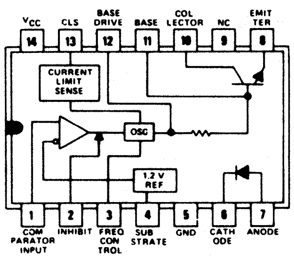
Z699


REF. VOLT.
D/A CONVERTER
Rf
1024 BIT ROM (128 x 8)
7 BIT COUNTER
-V REF
5V 5
12V 9
+12V 13
CLOCK 6
+ 5V 3
RESET 2
11 OUTPUT
12 NULL
10 ADJ
14 OUTPUT
8 VOLTAGE
7 OPTIONS
1 GND

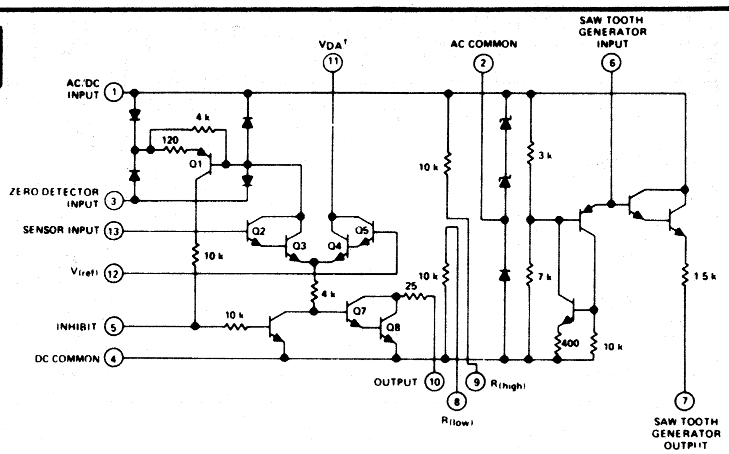
Z700



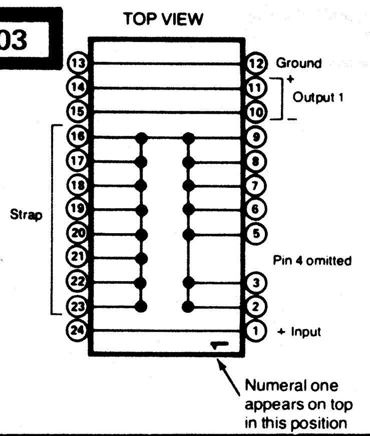
Z701



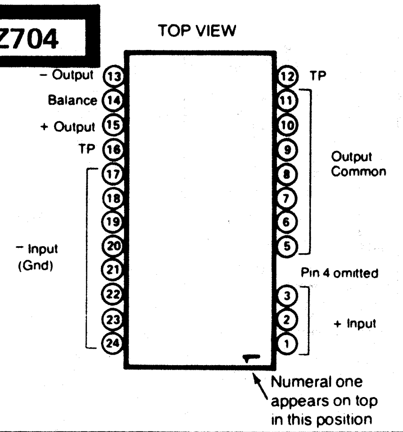
Z702



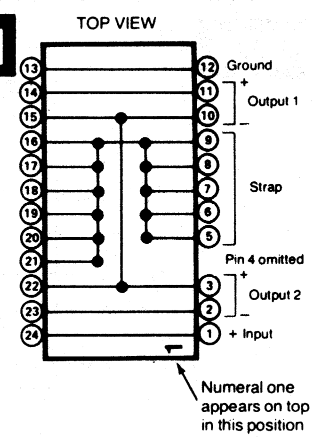
Z703



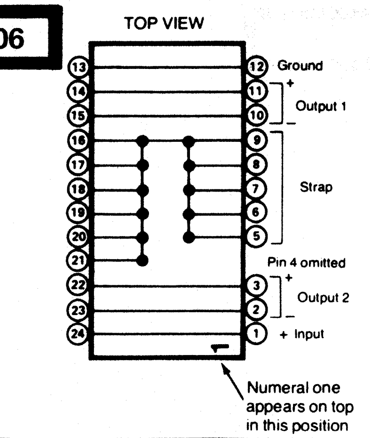
Z704



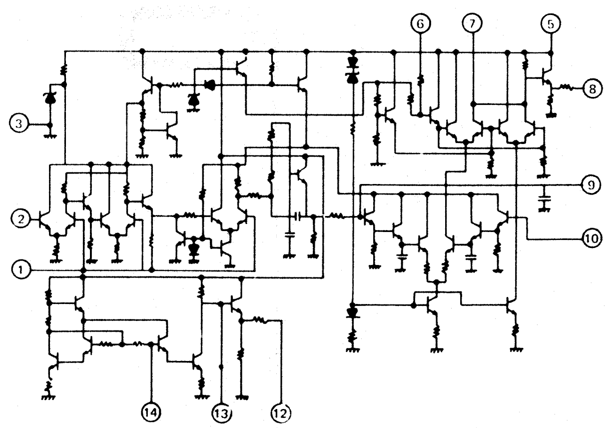
Z705



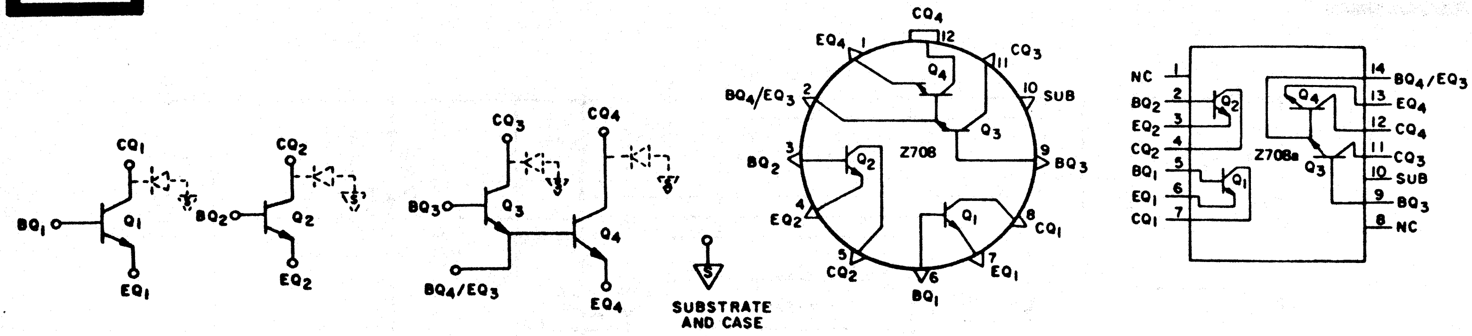
Z706



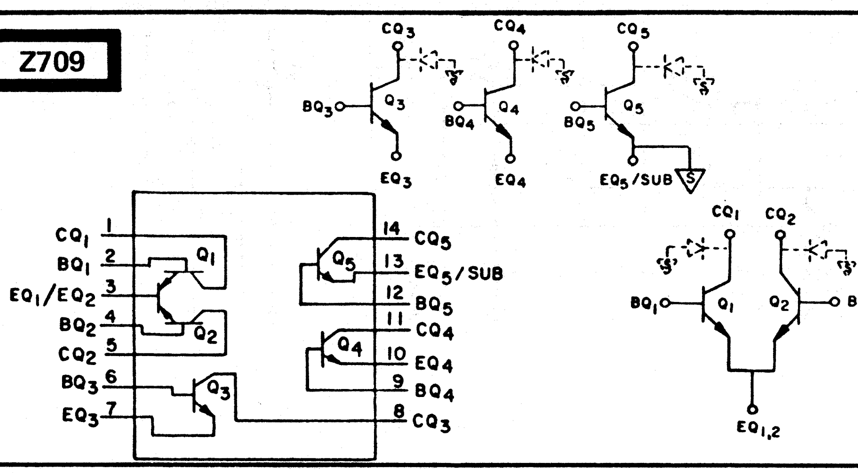
Z707



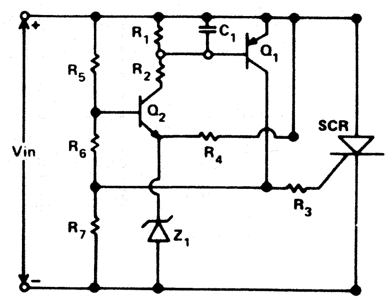
Z708



Z709



Z710



Z711

Z711

PIN	FUNCTION
1	NC
2	NC
3	GND
4	INPUT TEST POINT
5	INPUT
6	NC
7	NC
8	NC
9	NC
10	OUTPUT
11	−VCC
12	+VCC

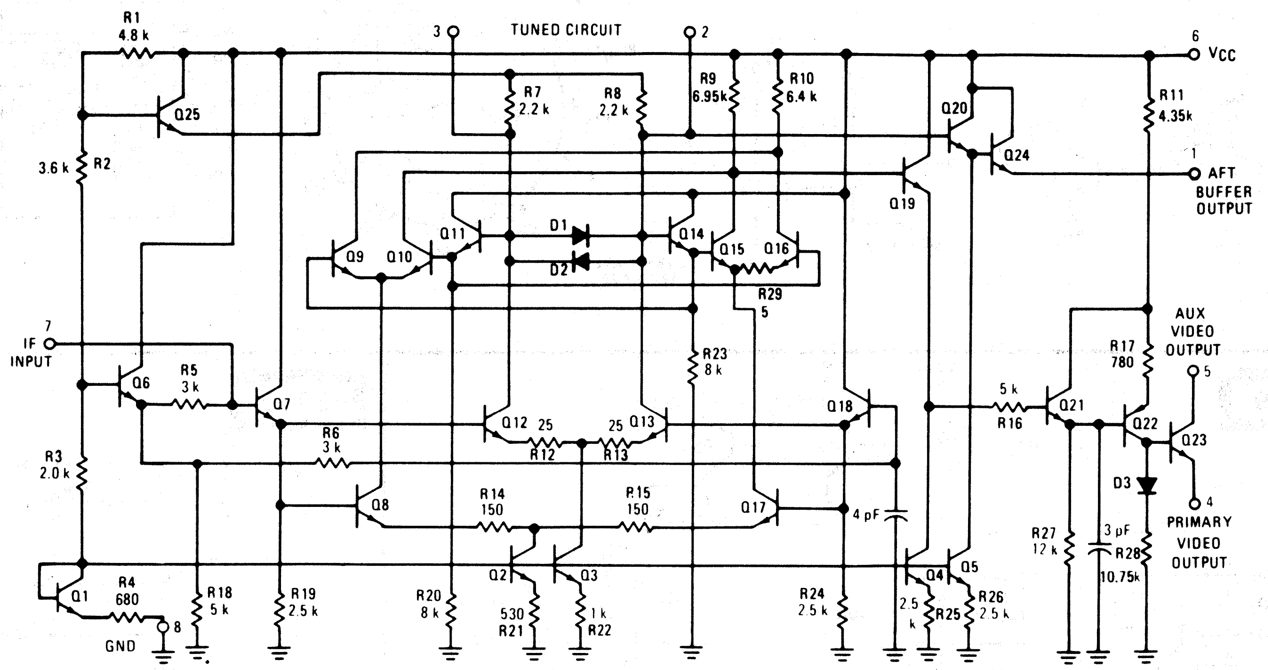
Z711a

PIN	FUNCTION
1	NC
2	INPUT
3	TEST POINT
4	NC
5	NC
6	−VCC
7	GND
8	+VCC
9	OUTPUT
10	NC

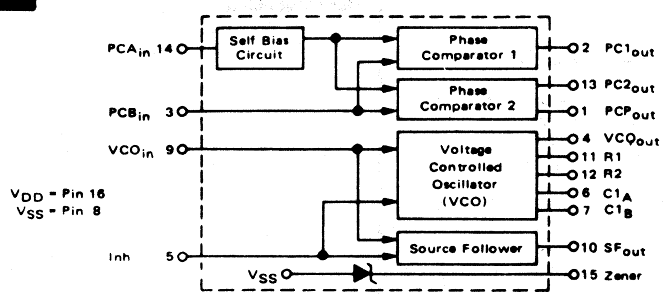
Z711b

PIN	FUNCTION
1	GND
6	INPUT TEST POINT
8	+VCC
9	−VCC
11	OUTPUT
16	INPUT

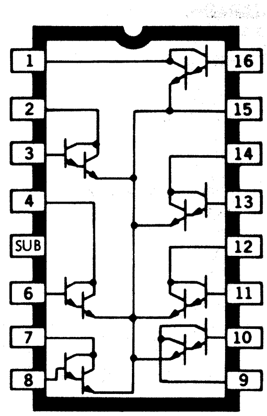
Z712



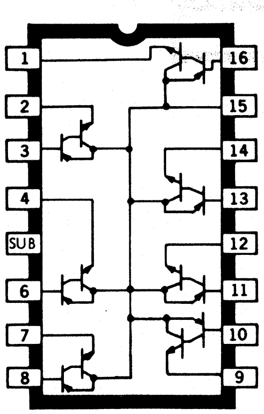
Z713



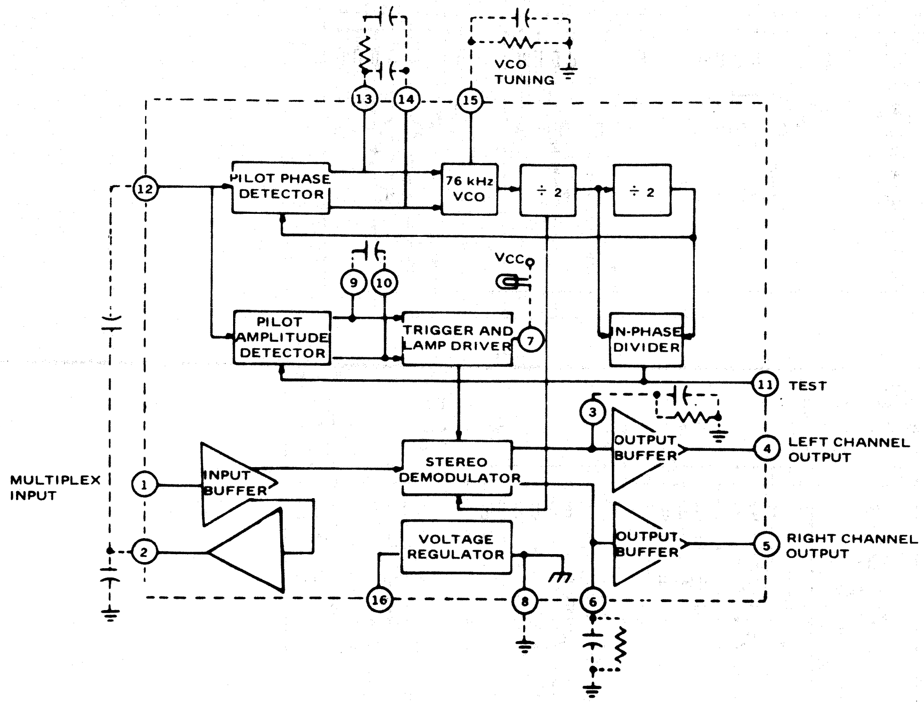
Z714



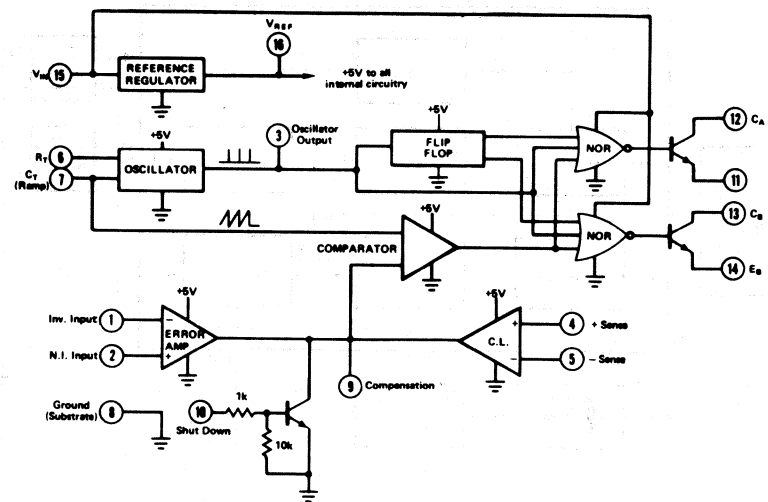
Z715



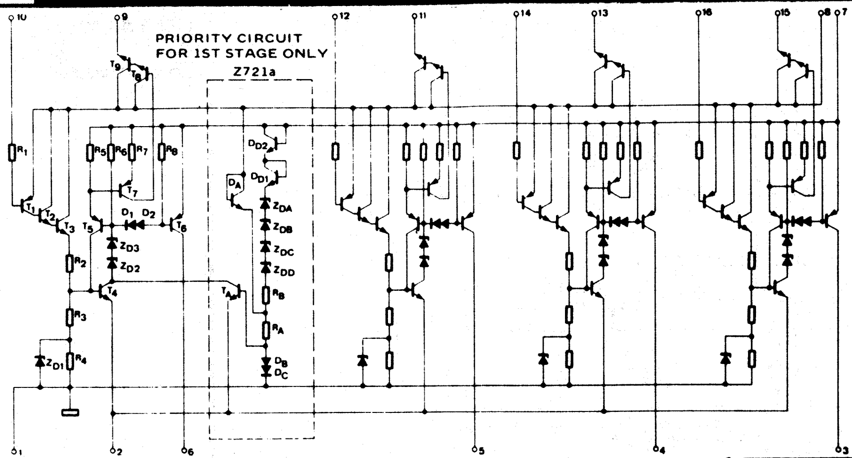
Z718


VCO
TUNING
PILOT PHASE
DETECTOR
76 kHz
VCO
÷ 2
÷ 2
VCC
PILOT
AMPLITUDE
DETECTOR
TRIGGER AND
LAMP DRIVER
IN-PHASE
DIVIDER
TEST
OUTPUT
BUFFER
LEFT CHANNEL
OUTPUT
MULTIPLEX
INPUT
INPUT
BUFFER
STEREO
DEMODULATOR
VOLTAGE
REGULATOR
OUTPUT
BUFFER
RIGHT CHANNEL
OUTPUT

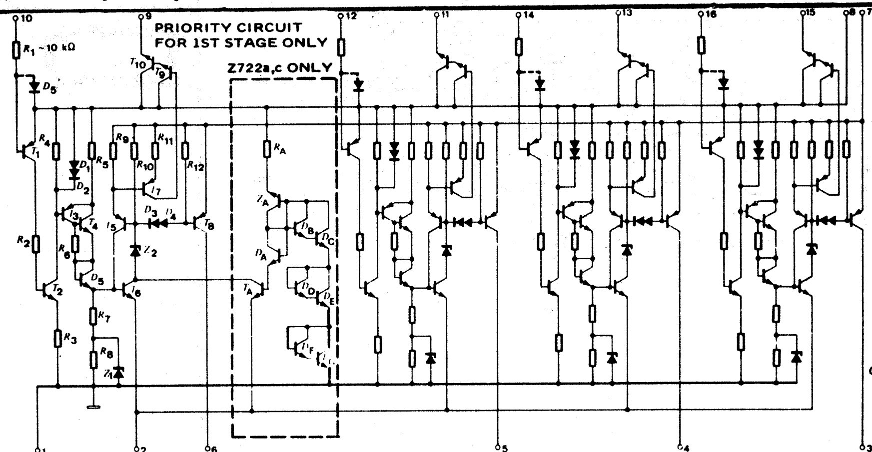
Z720


V_{REF}
V_{IN}
REFERENCE
REGULATOR
+5V to all
internal circuitry
+5V
Oscillator
Output
FLIP
FLOP
NOR
C_A
R_T
C_T
(Ramp)
OSCILLATOR
COMPARATOR
C_B
E_B
Inv. Input
N.I. Input
ERROR
AMP
C.L.
+ Sense
– Sense
Compensation
Ground
(Substrate)
1k
10k
Shut Down

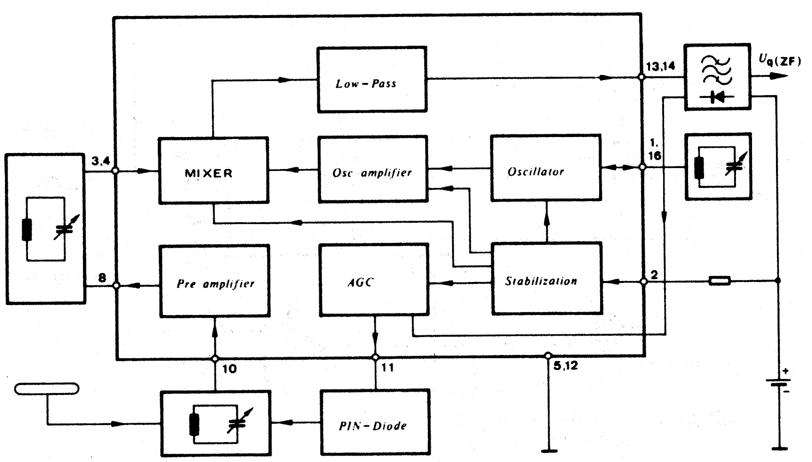
Z721



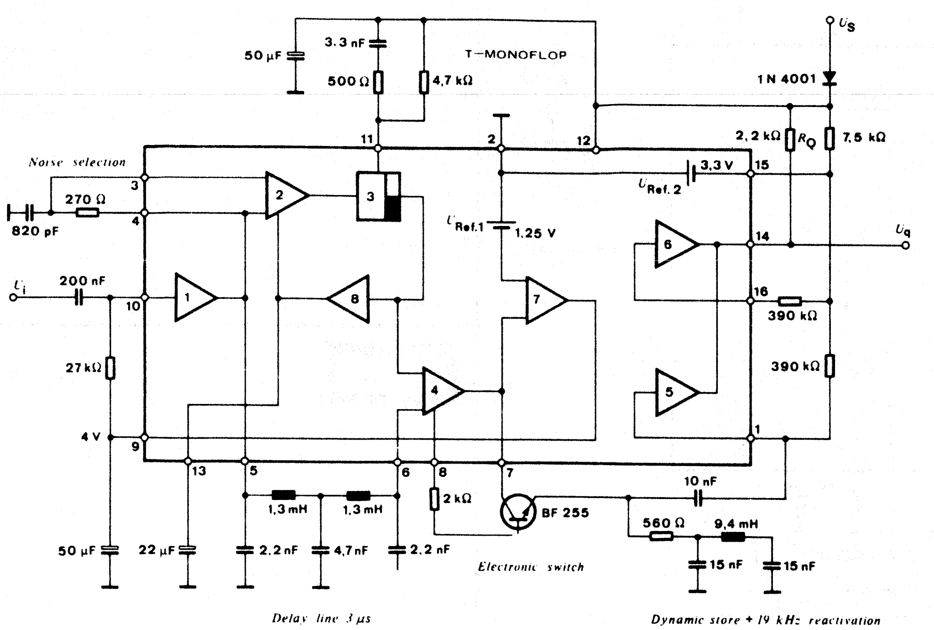
Z722



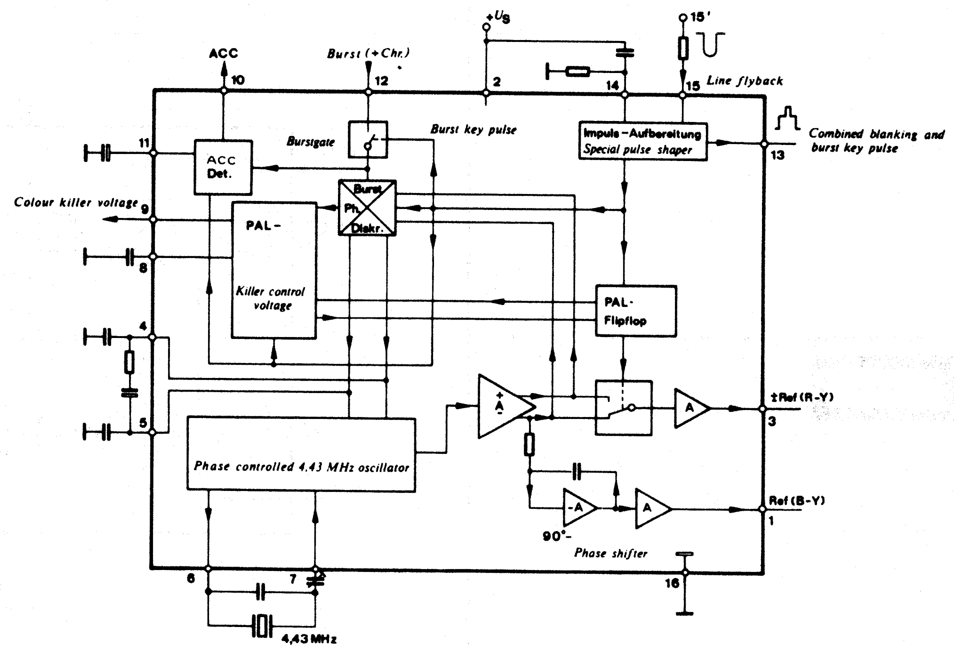
Z723



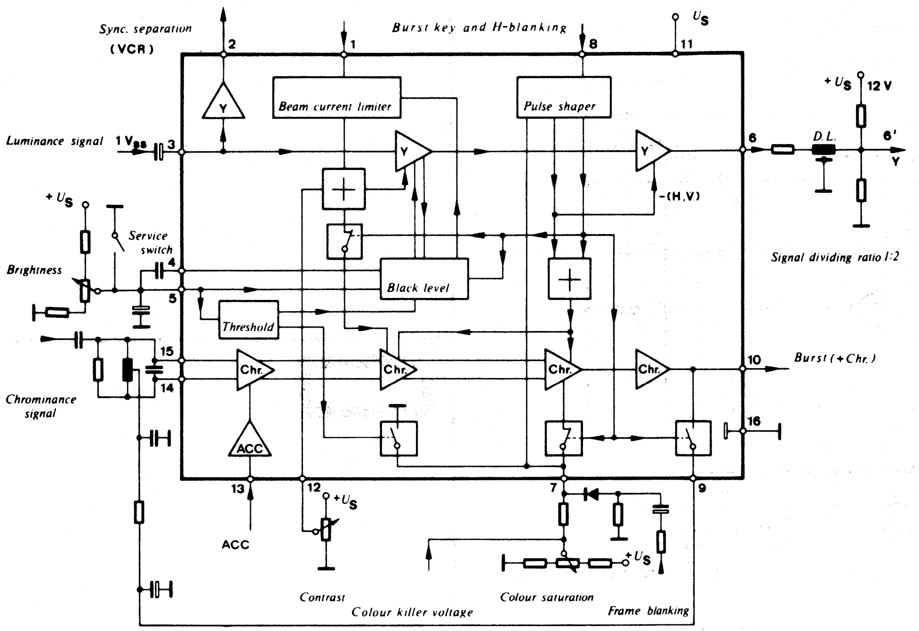
Z724


T-MONOFLOP
Noise selection
820 pF
270 Ω
200 nF
27 kΩ
4 V
50 µF
22 µF
3.3 nF
500 Ω
4,7 kΩ
1 N 4001
2,2 kΩ
7,5 kΩ
3,3 V
1.25 V
390 kΩ
390 kΩ
1,3 mH
1,3 mH
2 kΩ
BF 255
10 nF
560 Ω
9,4 mH
15 nF
15 nF
2,2 nF
4,7 nF
2,2 nF
Electronic switch
Delay line 3 µs
Dynamic store + 19 kHz reactivation

Z725

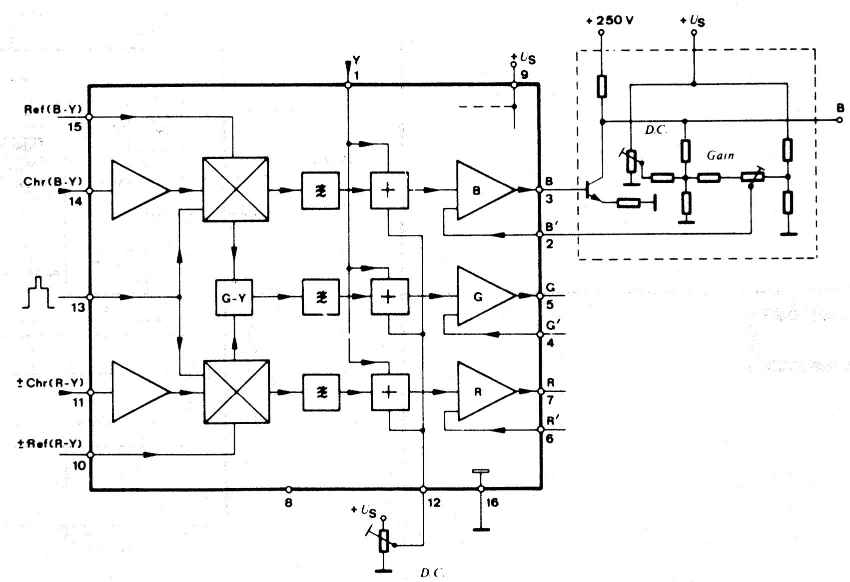

ACC
Burst (+Chr.)
Line flyback
Burstgate
Burst key pulse
ACC Det.
Impuls-Aufbereitung
Special pulse shaper
Combined blanking and burst key pulse
Colour killer voltage
PAL-
Burst Ph. Diskr.
Killer control voltage
PAL-Flipflop
±Ref (R-Y)
Ref (B-Y)
Phase controlled 4,43 MHz oscillator
90°-Phase shifter
4,43 MHz

Z726



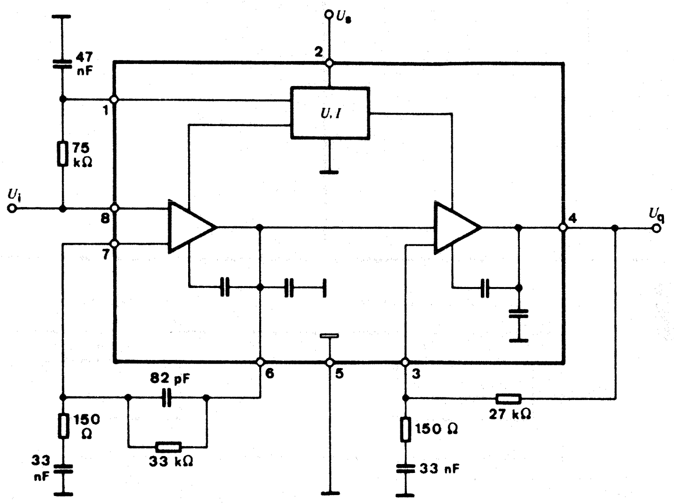
Sync. separation (VCR)
Burst key and H-blanking
U_S
Beam current limiter
Pulse shaper
Luminance signal 1 V_{ss}
$+U_S$ 12 V
D.L.
6'
Y
-(H,V)
$+U_S$
Service switch
Brightness
Black level
Threshold
Signal dividing ratio 1:2
Chr.
Burst (+Chr.)
Chrominance signal
ACC
$+U_S$
Contrast
Colour killer voltage
Colour saturation
Frame blanking

Z727



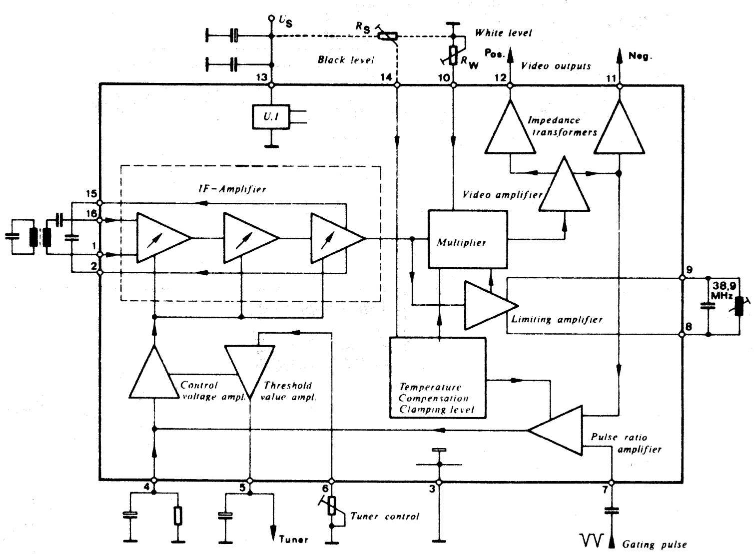
+250 V
$+U_S$
Y
Ref(B-Y)
Chr(B-Y)
±Chr(R-Y)
±Ref(R-Y)
G-Y
B
B'
G
G'
R
R'
D.C.
Gain
$+U_S$
D.C.

Z728



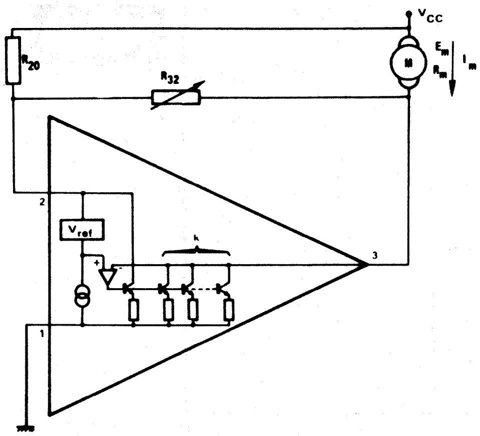
U_s
2
47 nF
1
U.I
75 kΩ
U_i
8
7
4
U_q
6
5
3
82 pF
150 Ω
33 nF
33 kΩ
27 kΩ
150 Ω
33 nF

Z729

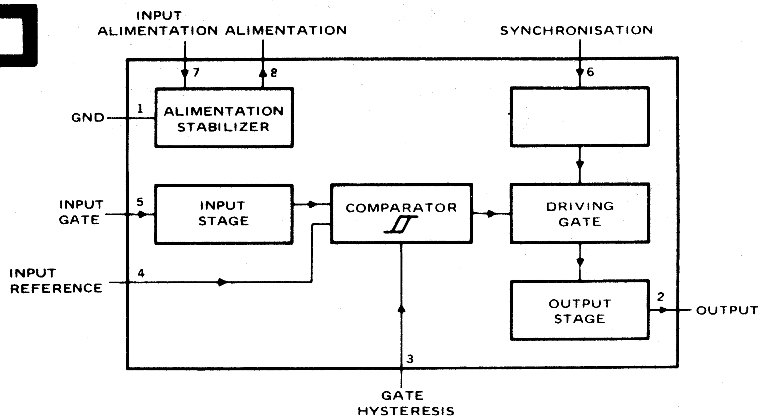


U_S
R_S
White level
R_W
Black level
Pos.
Video outputs
Neg.
13
14
10
12
11
U.I
Impedance transformers
Video amplifier
IF-Amplifier
15
16
1
2
Multiplier
9
38,9 MHz
Limiting amplifier
8
Control voltage ampl.
Threshold value ampl.
Temperature Compensation Clamping level
Pulse ratio amplifier
4
5
6
3
7
Tuner
Tuner control
Gating pulse

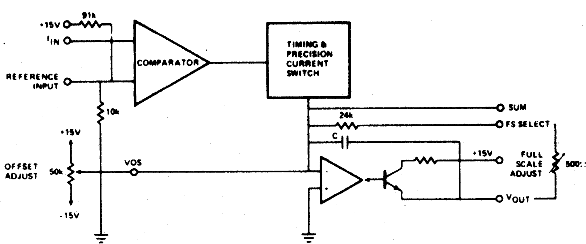
Z730



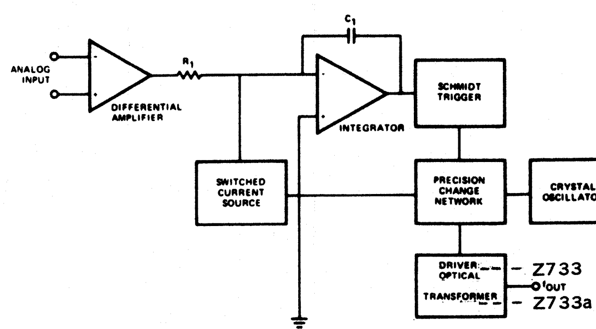
Z731



Z732

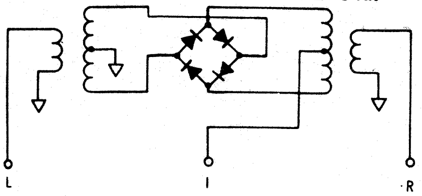


Z733



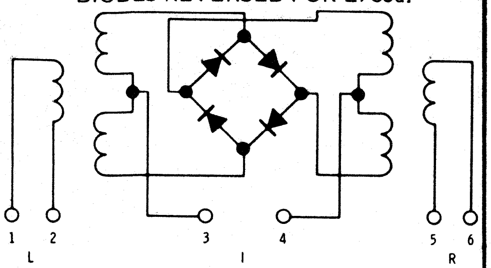
Z734

DIODES REVERSED FOR Z734a.

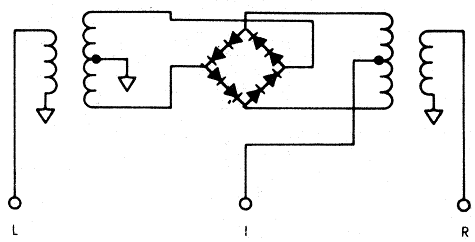


Z735

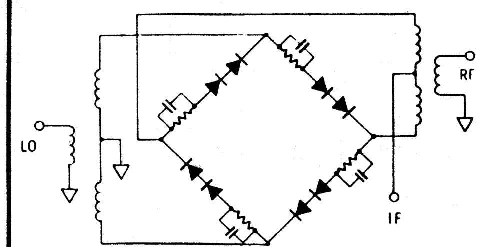
DIODES REVERSED FOR Z735a.



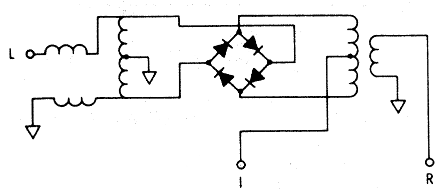
Z736



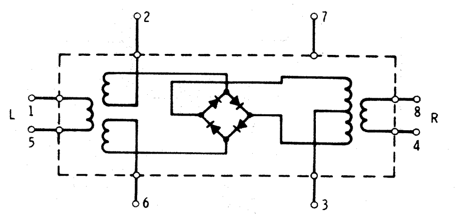
Z737



Z738

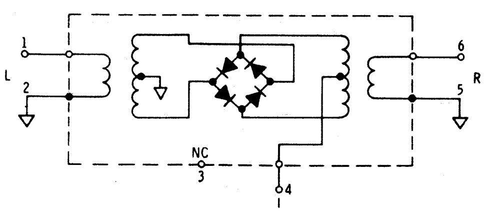


Z739



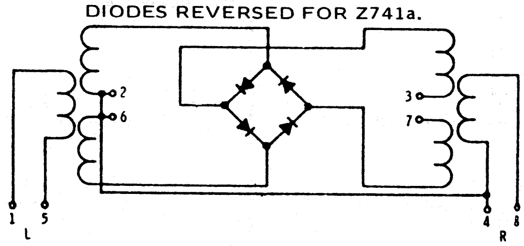
NOTE: THE I PORT IS FORMED BY EXTERNALLY CONNECTING PINS 2 AND 6 TOGETHER TO FORM THE GROUNDED SIDE AND USING PIN 3 FOR THE UNGROUNDED SIDE. PINS 2, 6 AND 7 ARE INTERNALLY GROUNDED TO THE CASE.

Z740

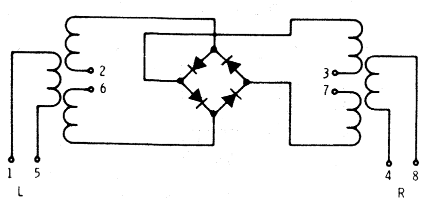


Z741

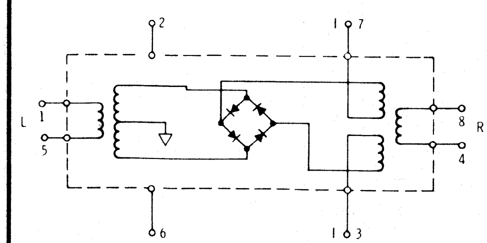
DIODES REVERSED FOR Z741a.



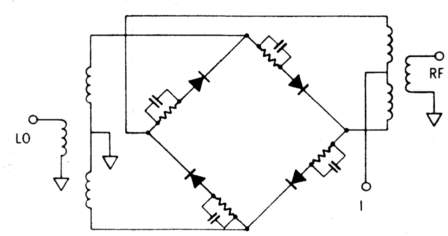
Z742



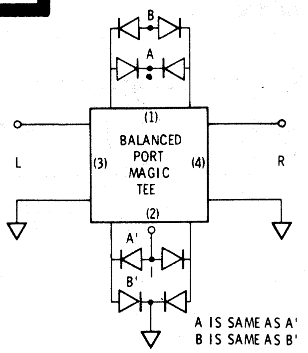
Z743



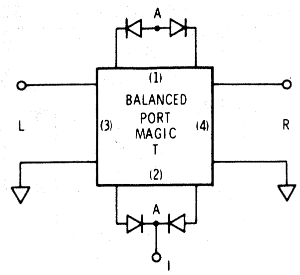
Z744



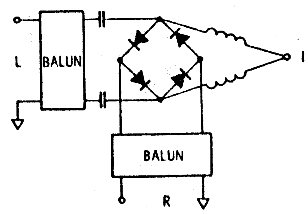
Z745



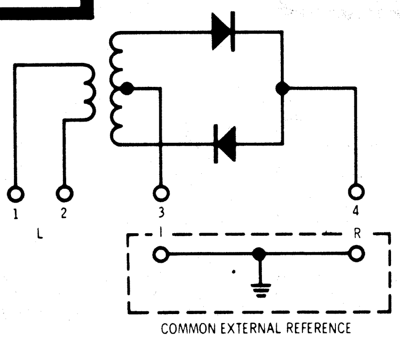
Z746



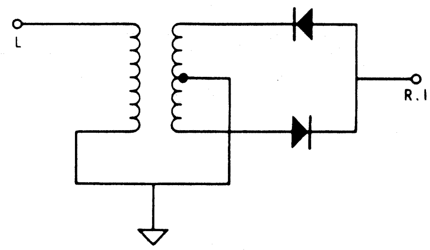
Z747



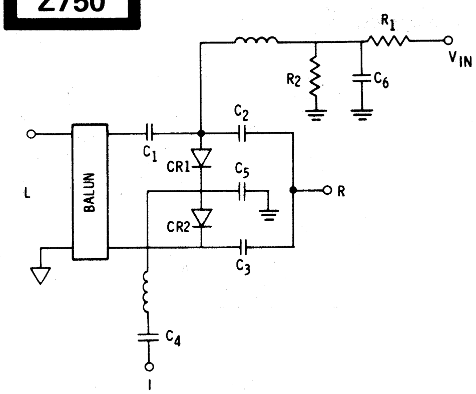
Z748



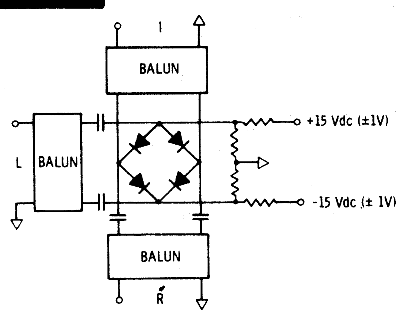
Z749



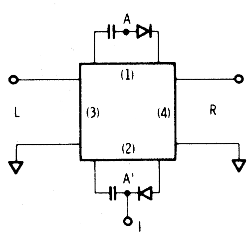
Z750



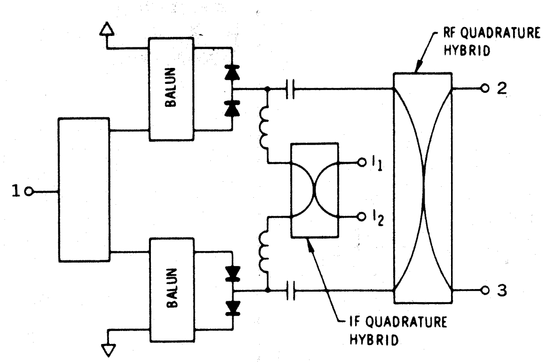
Z751



Z752

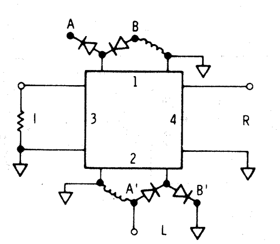


Z753

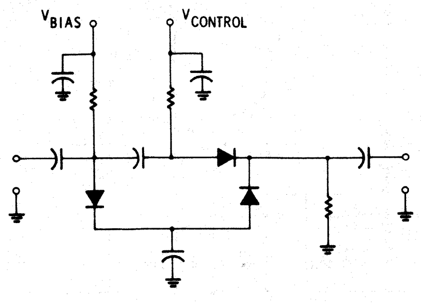


	1	2	3
Z753	L	R1	R2
Z753a	R	L1	L2

Z754

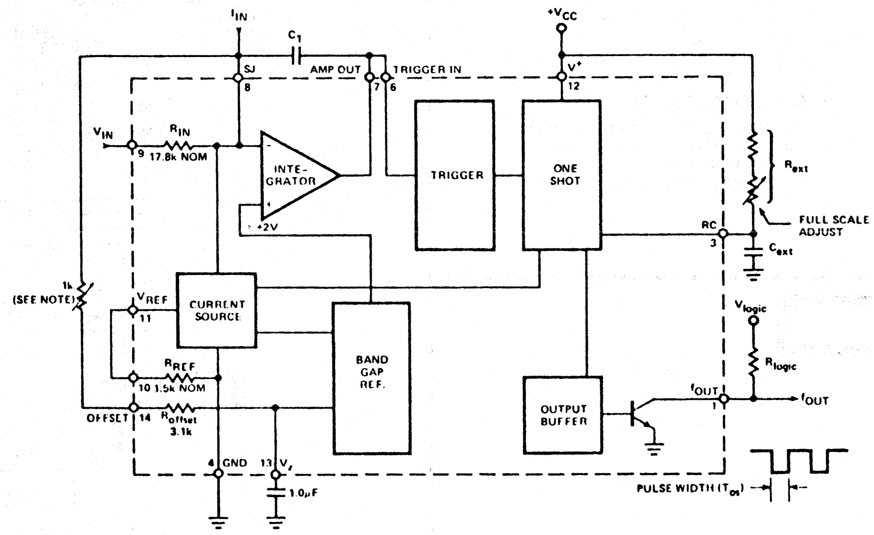


Z755

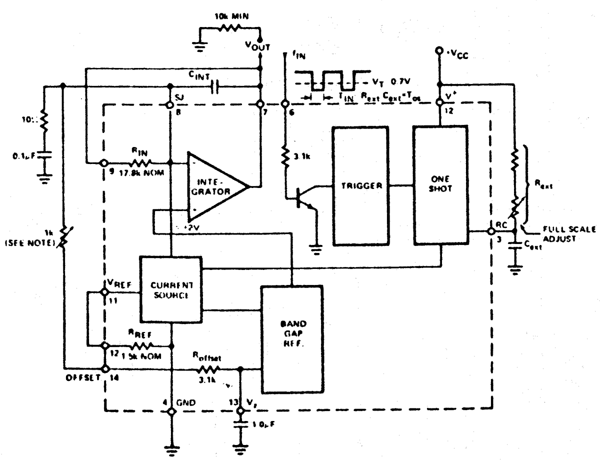


π PAD ATTENUATOR

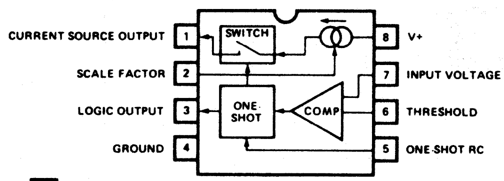
Z756



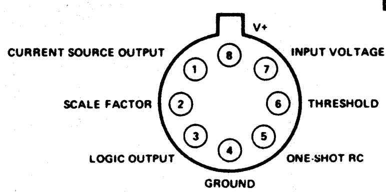
Z757



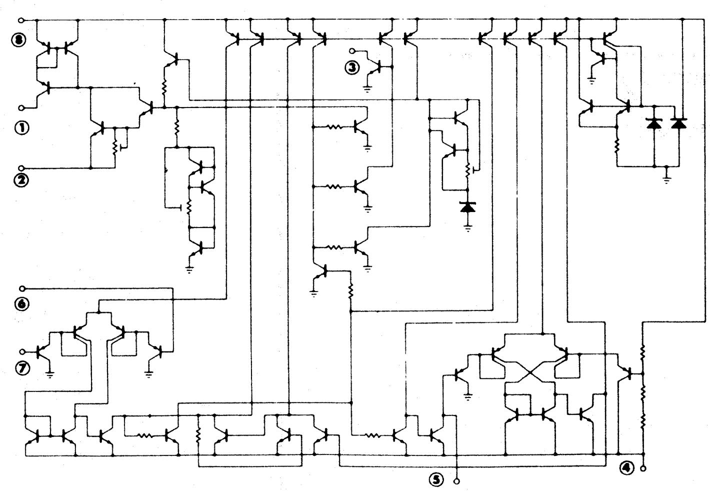
Z758



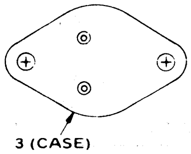
Z758



Z758a



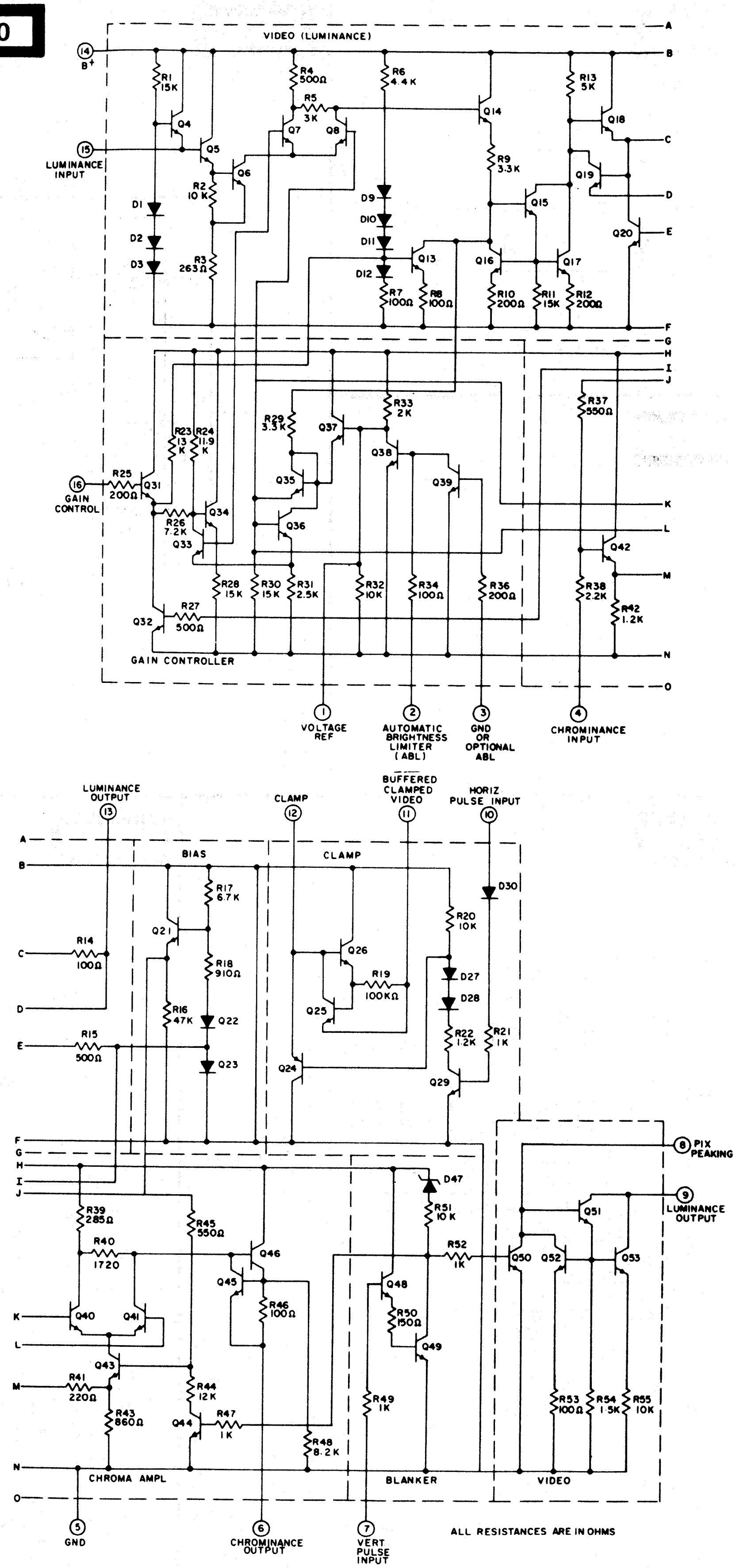
Z759



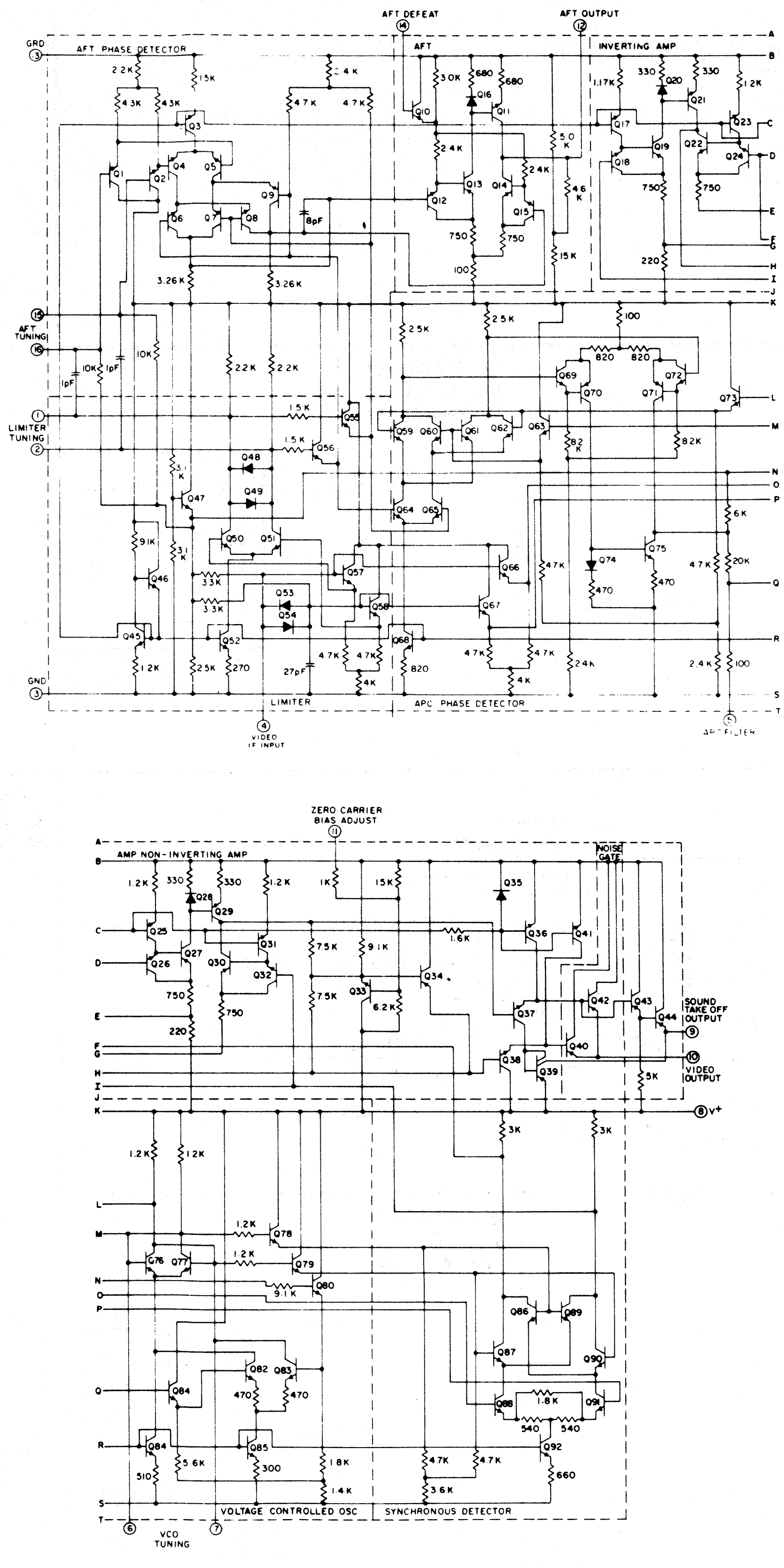
PIN CONNECTIONS

1. No connection – but this pin must be left floating for proper operation of OV
2. +V – disconnect to reset
3. (Case) – V

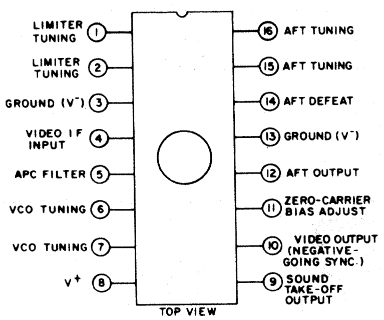
Z760



Z761

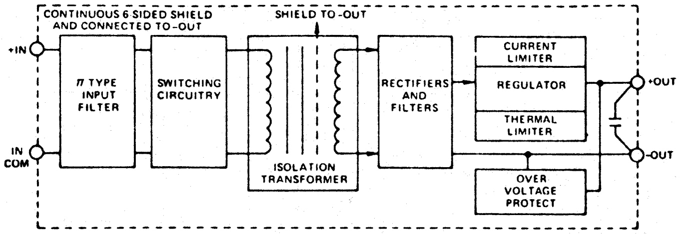


AFT DEFEAT
AFT OUTPUT
GRD
AFT PHASE DETECTOR
AFT
INVERTING AMP
AFT TUNING
LIMITER TUNING
LIMITER
APC PHASE DETECTOR
VIDEO IF INPUT
APC FILTER
ZERO CARRIER BIAS ADJUST
AMP NON-INVERTING AMP
NOISE GATE
SOUND TAKE OFF OUTPUT
VIDEO OUTPUT
VCO TUNING
VOLTAGE CONTROLLED OSC
SYNCHRONOUS DETECTOR

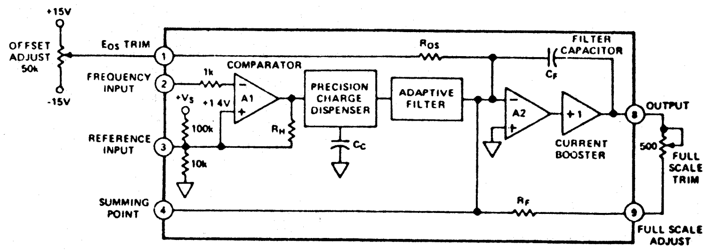


LIMITER TUNING 1
LIMITER TUNING 2
GROUND (V⁻) 3
VIDEO IF INPUT 4
APC FILTER 5
VCO TUNING 6
VCO TUNING 7
V⁺ 8
16 AFT TUNING
15 AFT TUNING
14 AFT DEFEAT
13 GROUND (V⁻)
12 AFT OUTPUT
11 ZERO-CARRIER BIAS ADJUST
10 VIDEO OUTPUT (NEGATIVE-GOING SYNC.)
9 SOUND TAKE-OFF OUTPUT
TOP VIEW

Z762

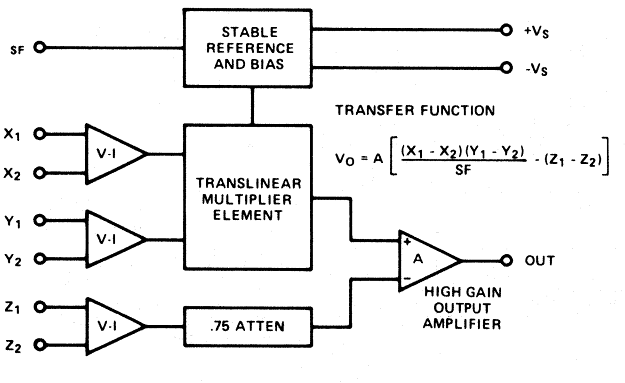


Z763



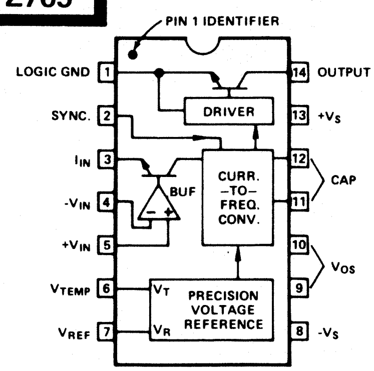
MODEL	C_F	R_{OS}	R_H	R_F
451	0.015μF	3.3MΩ	2.2MΩ	18kΩ
453	0.001μF	3.9MΩ	1.0MΩ	22kΩ

Z764

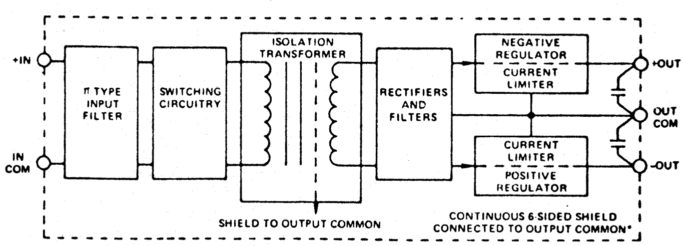


$$V_O = A\left[\frac{(X_1 - X_2)(Y_1 - Y_2)}{SF} - (Z_1 - Z_2)\right]$$

Z765



Z766

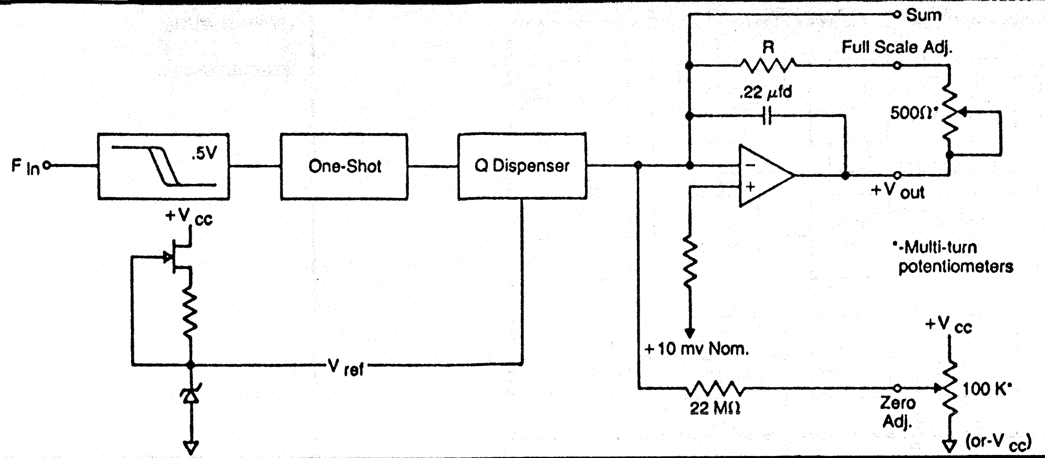


*HIGH BREAKDOWN UNITS (MODELS 944 & 946) DO NOT HAVE SHIELDED CASES.

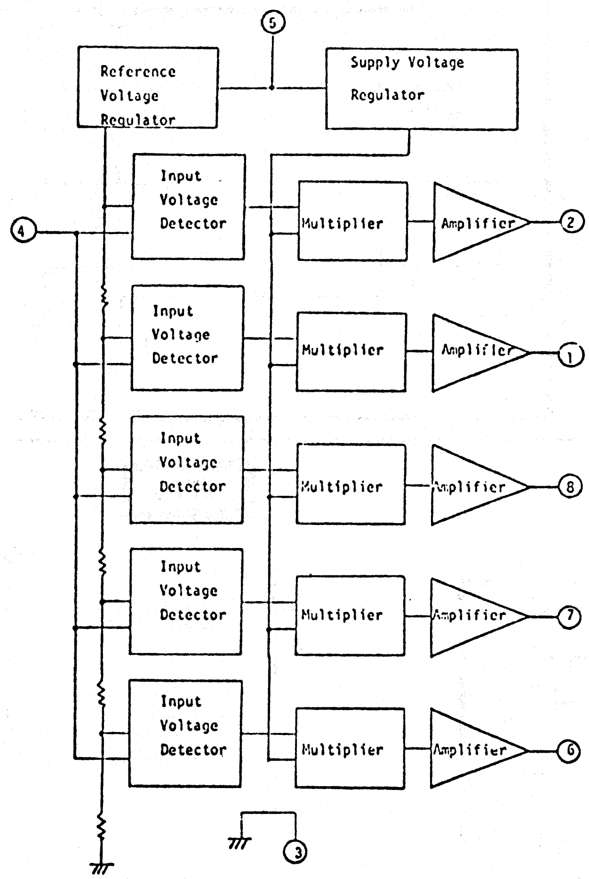
13. CIRCUIT DRAWINGS

IN DRAWING NUMBER SEQUENCE

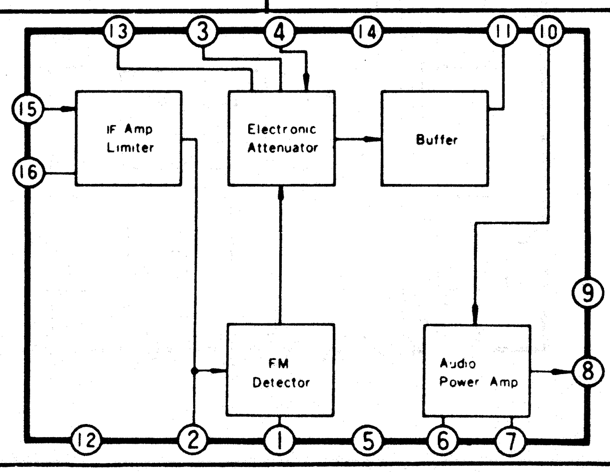
Z767



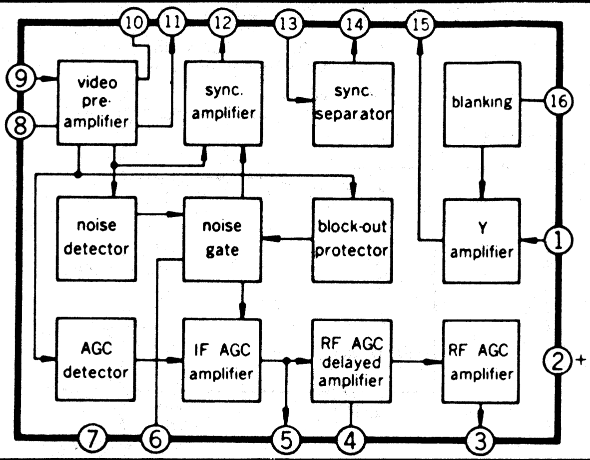
Z769



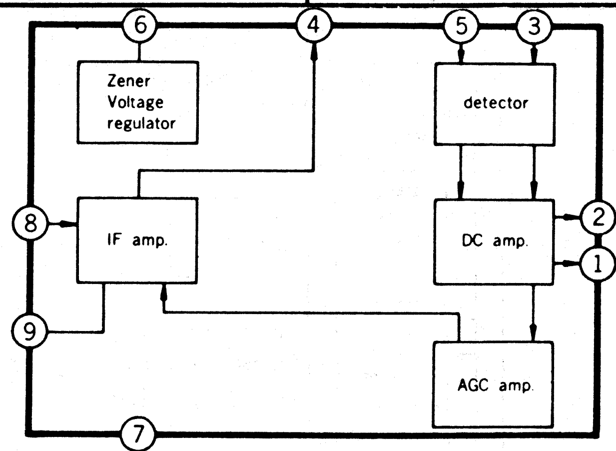
Z770



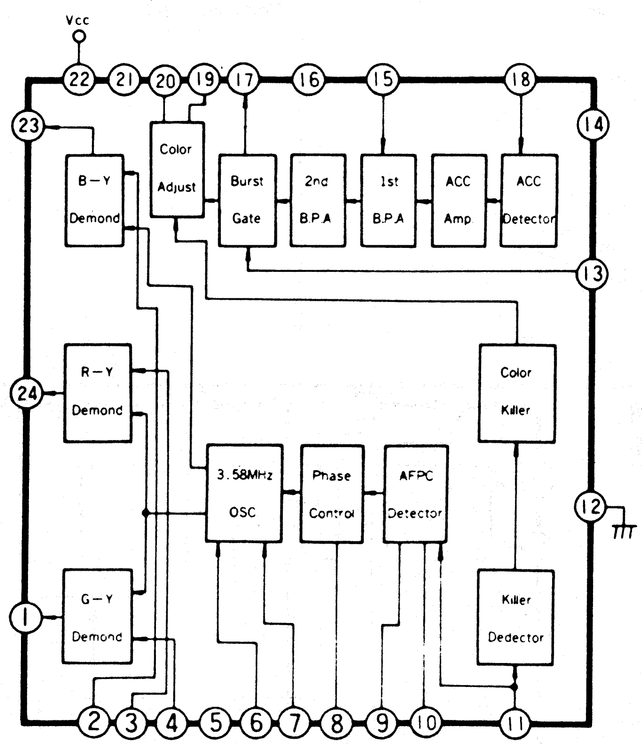
Z771



Z772



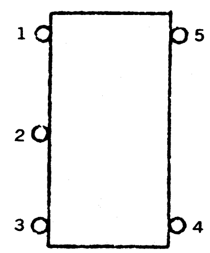
Z773



Z775

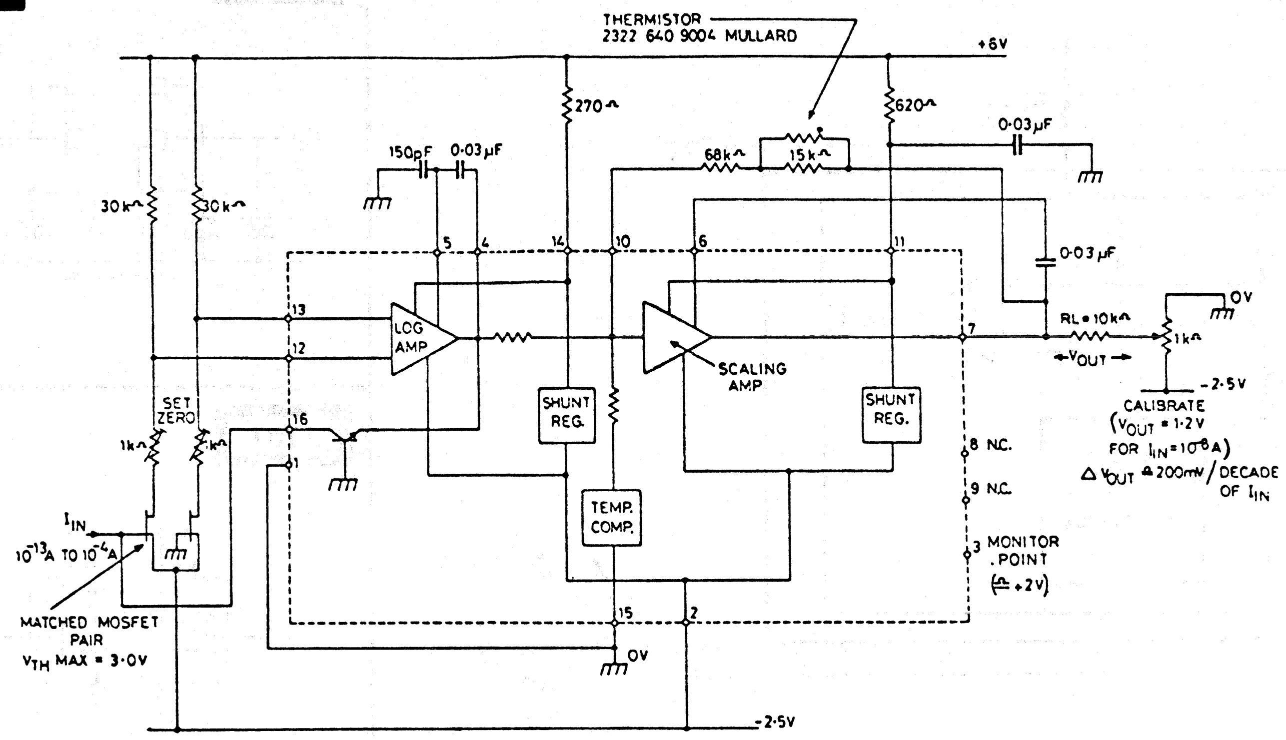
ELECTRICAL CONNECTIONS

1 $-V_c$
2 $+V_c$
3 GND
4 INPUT
5 OUTPUT

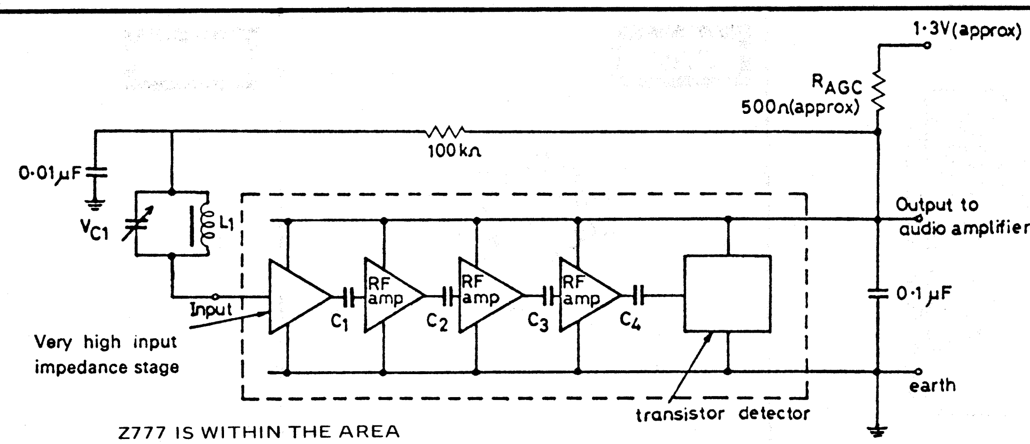


BOTTOM VIEW

Z776

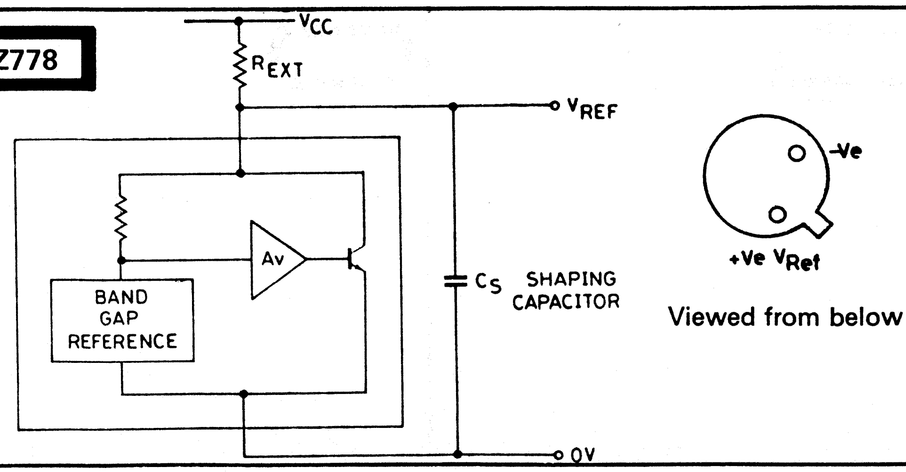


Z777

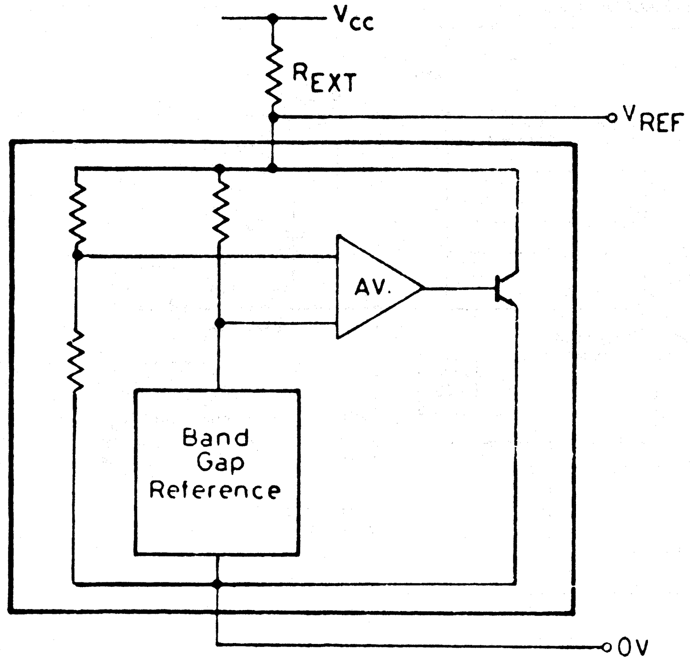


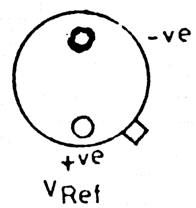
Z777 IS WITHIN THE AREA

Z778



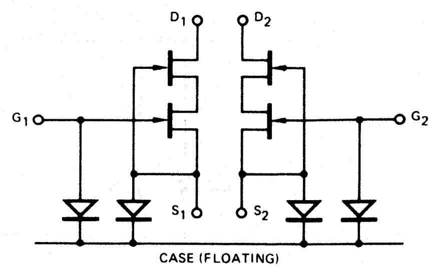
Z779



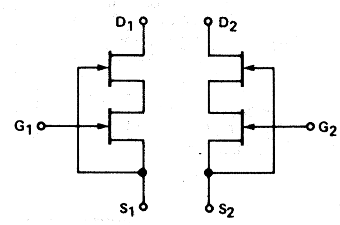


Viewed from below package

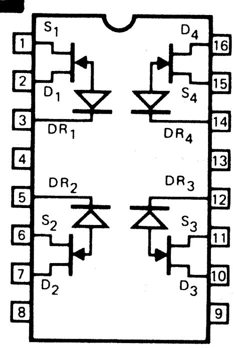
Z780



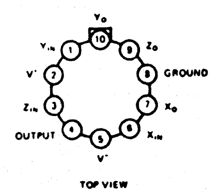
Z781



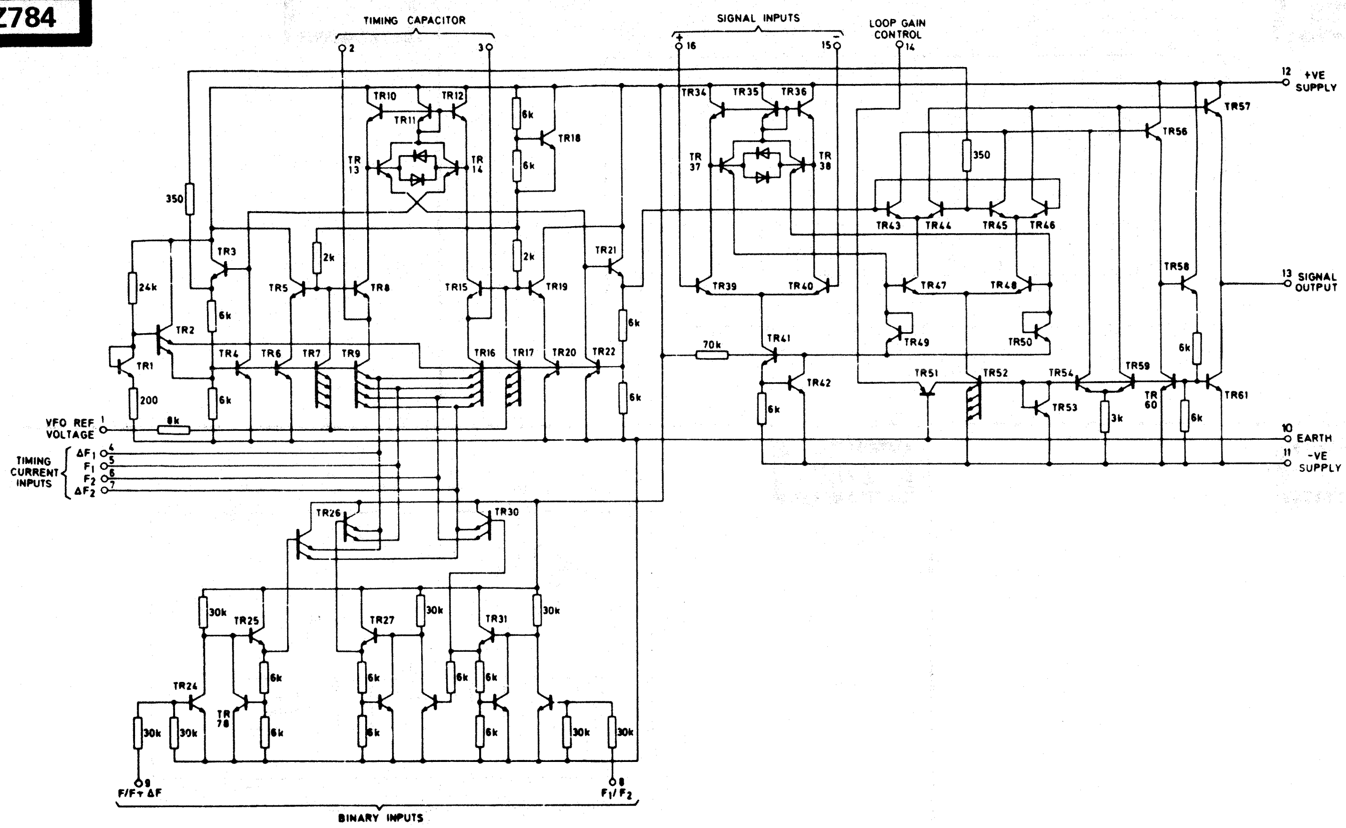
Z782



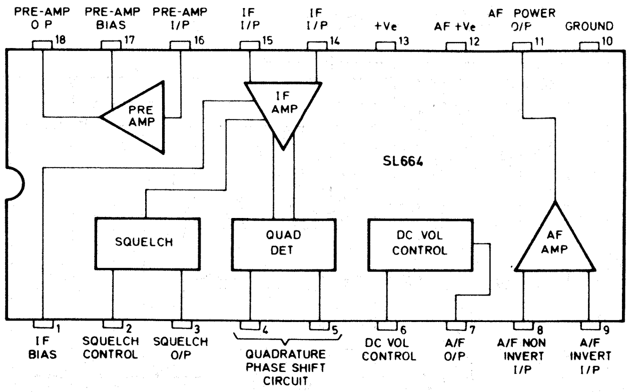
Z783



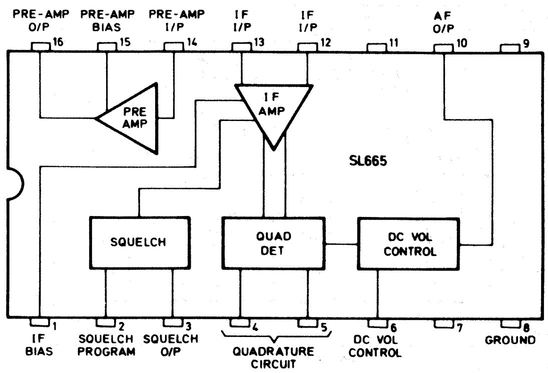
Z784


TIMING CAPACITOR
SIGNAL INPUTS
LOOP GAIN CONTROL
+VE SUPPLY
SIGNAL OUTPUT
EARTH
-VE SUPPLY
VFO REF VOLTAGE
TIMING CURRENT INPUTS
BINARY INPUTS
F/F ΔF
F1/F2

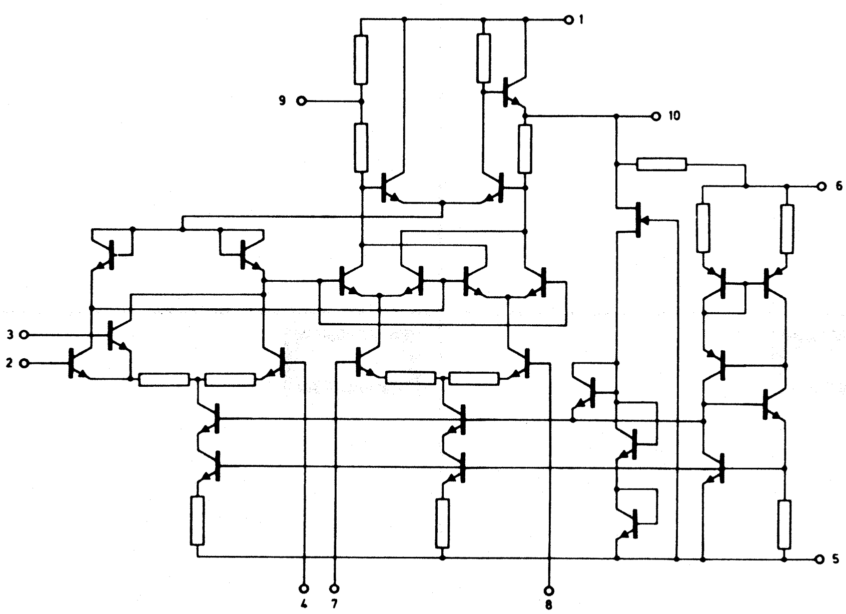
Z786



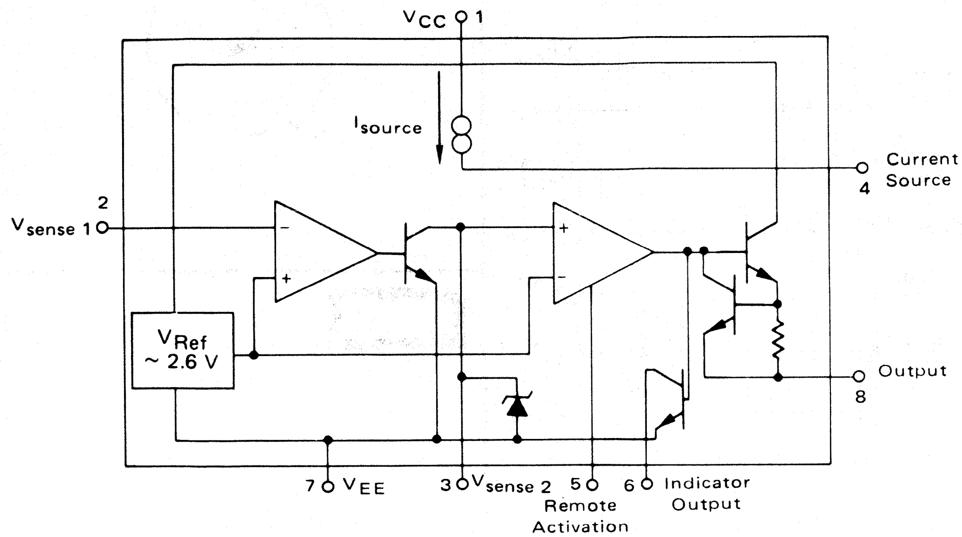
Z787



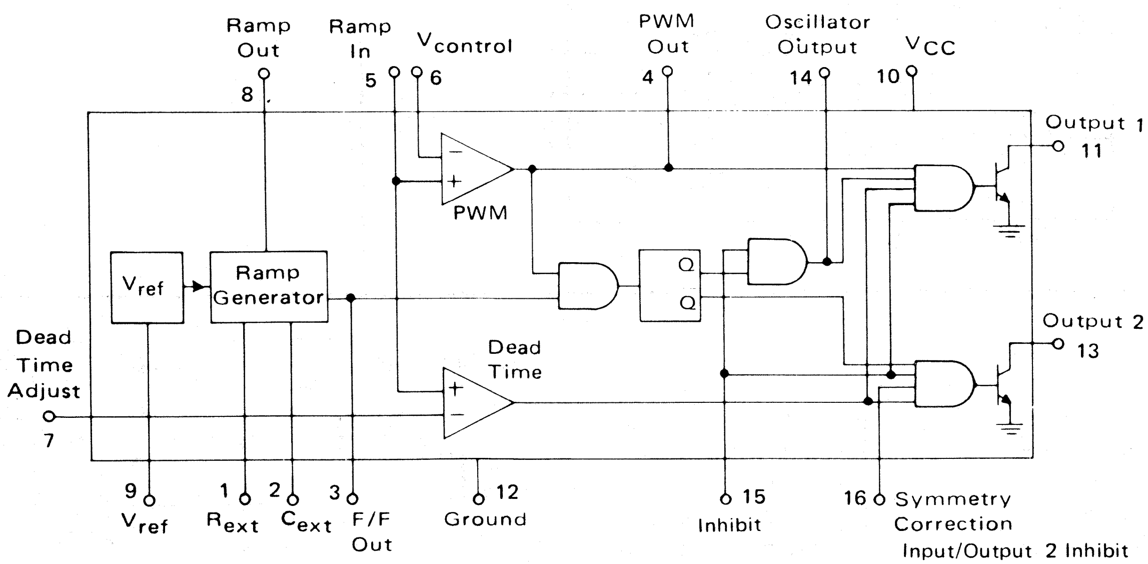
Z788



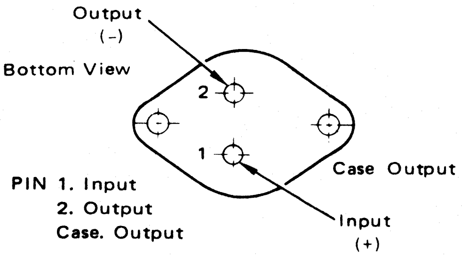
Z789


V_{CC} 1
I_{source}
Current Source
4
2
$V_{sense\ 1}$
V_{Ref} ~ 2.6 V
Output
8
7 V_{EE}
3 $V_{sense\ 2}$
5
Remote Activation
6
Indicator Output

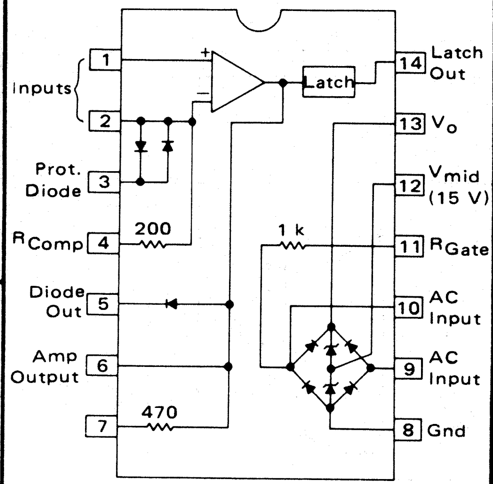
Z790


Ramp Out
8
Ramp In
5
$V_{control}$
6
PWM Out
4
Oscillator Output
14
V_{CC}
10
Output 1
11
PWM
V_{ref}
Ramp Generator
Q
Q
Dead Time Adjust
7
Dead Time
Output 2
13
9
V_{ref}
1
R_{ext}
2
C_{ext}
3
F/F Out
12
Ground
15
Inhibit
16
Symmetry Correction
Input/Output 2 Inhibit

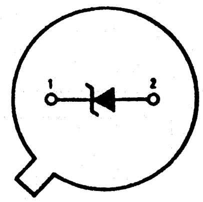
Z791



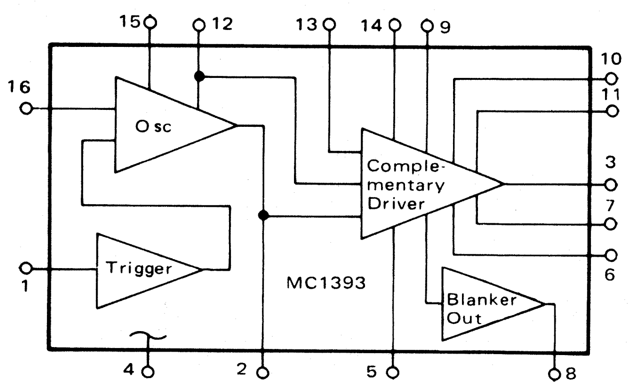
Z792



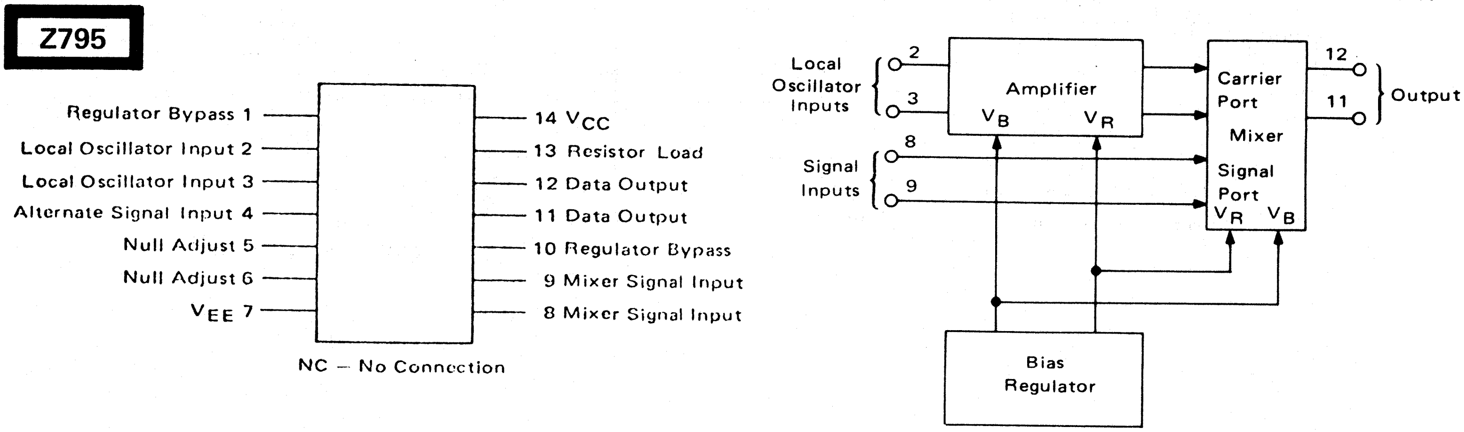
Z793



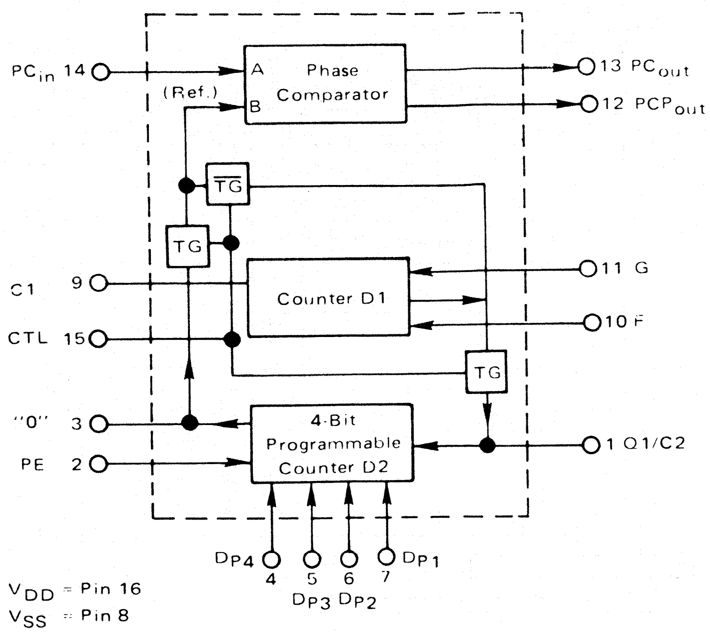
Z794



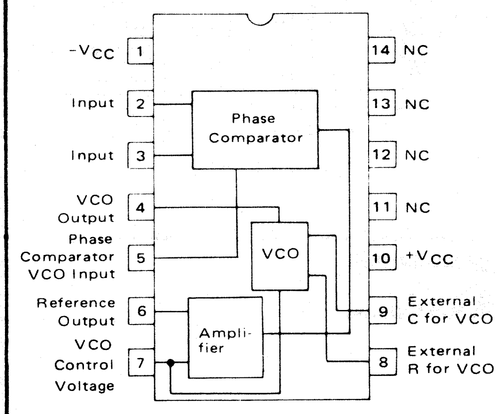
Z795



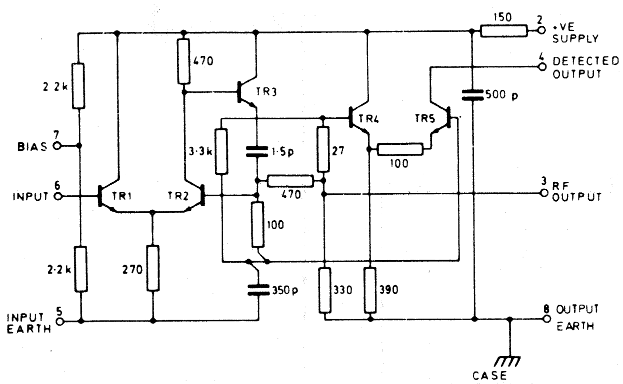
Z796



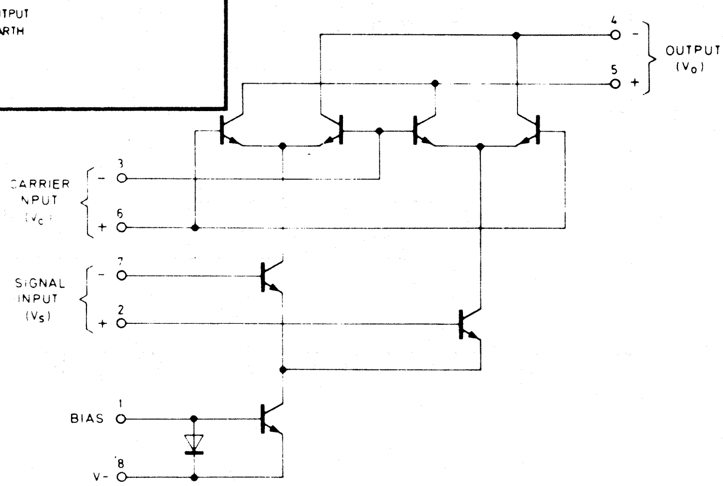
Z797



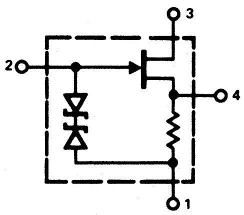
Z798



Z799

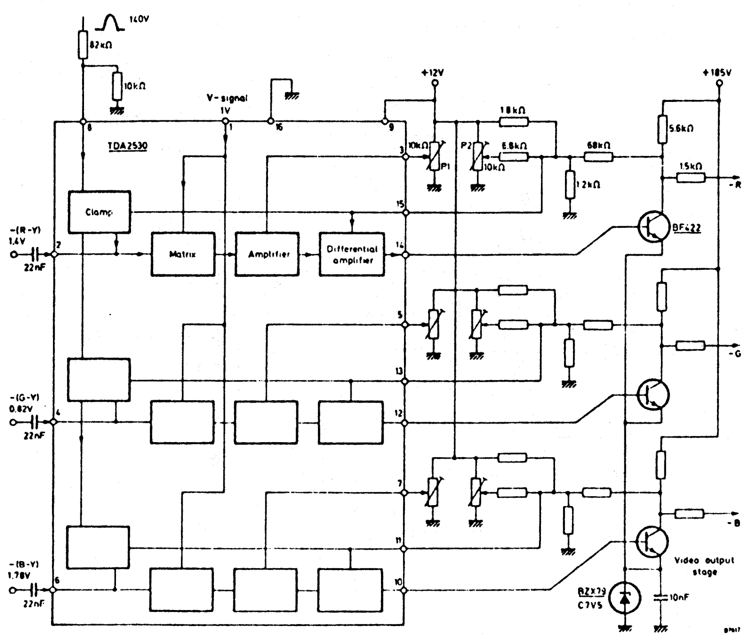


Z801

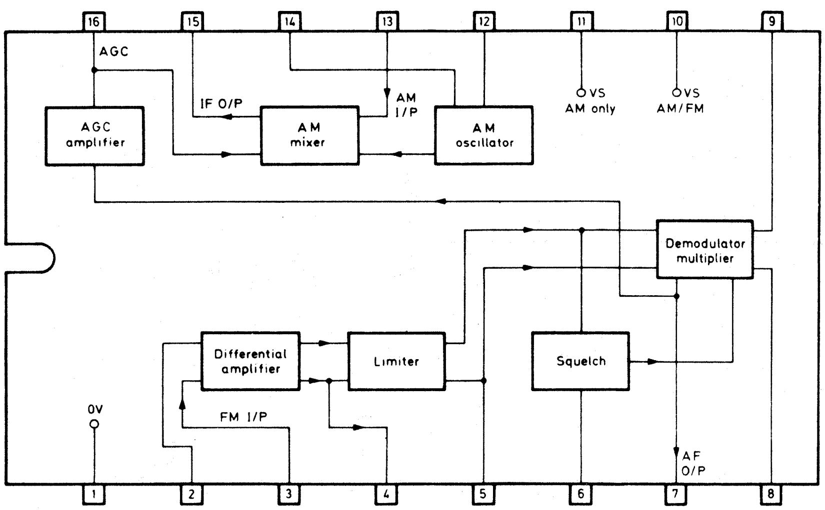


PIN	OUT
1	Common
2	Gate
3	Drain
4	Source, Case

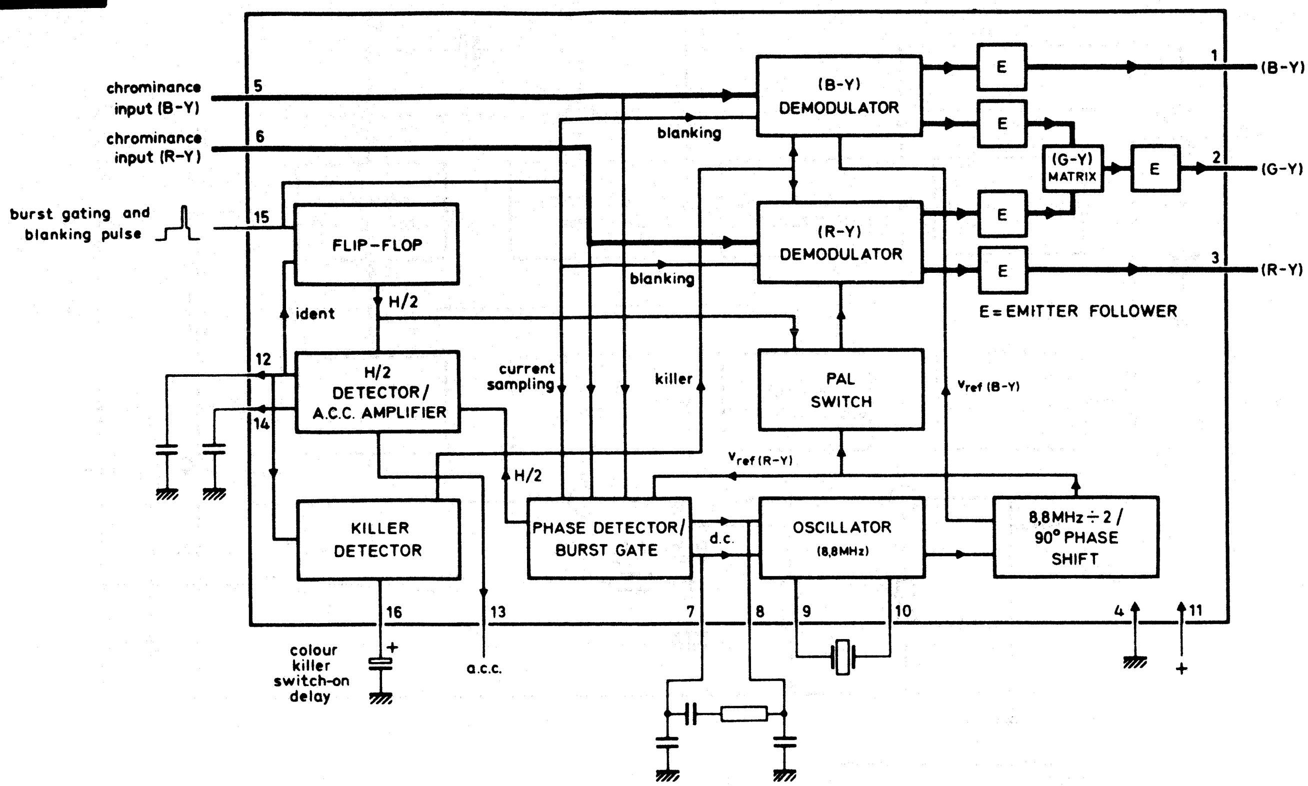
Z802



Z803

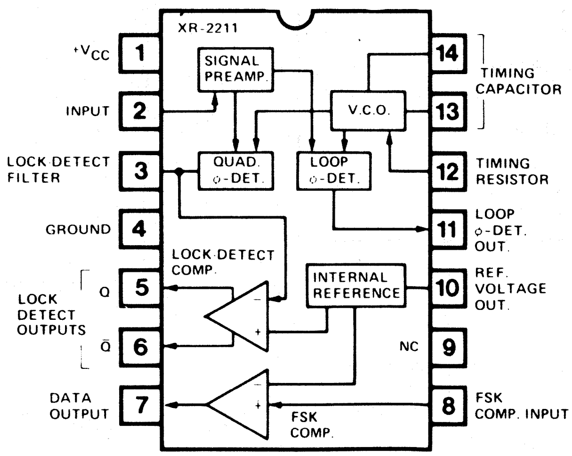


Z804



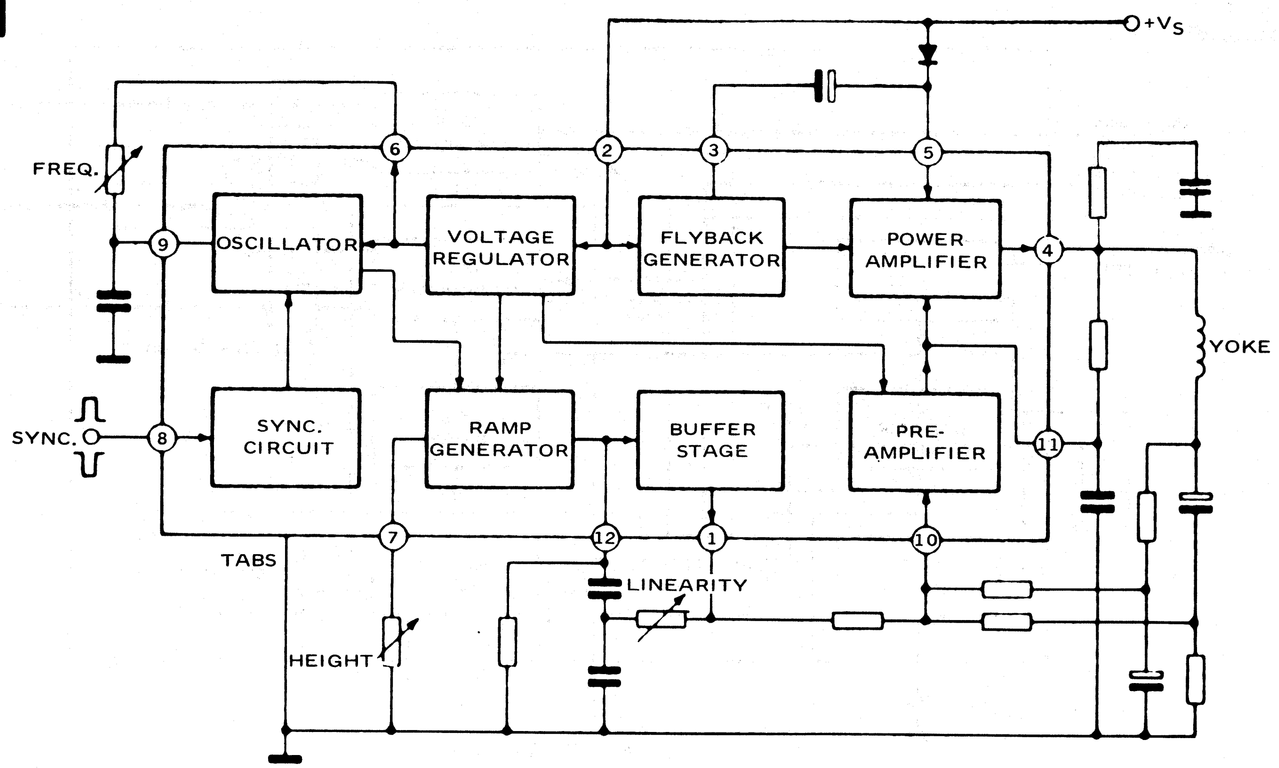
chrominance input (B-Y)
chrominance input (R-Y)
burst gating and blanking pulse
(B-Y) DEMODULATOR
(R-Y) DEMODULATOR
blanking
blanking
E
(G-Y) MATRIX
(B-Y)
(G-Y)
(R-Y)
E = EMITTER FOLLOWER
FLIP-FLOP
H/2
ident
H/2 DETECTOR/ A.C.C. AMPLIFIER
current sampling
killer
PAL SWITCH
Vref (B-Y)
Vref (R-Y)
KILLER DETECTOR
PHASE DETECTOR/ BURST GATE
d.c.
OSCILLATOR (8,8MHz)
8,8MHz ÷ 2 / 90° PHASE SHIFT
colour killer switch-on delay
a.c.c.

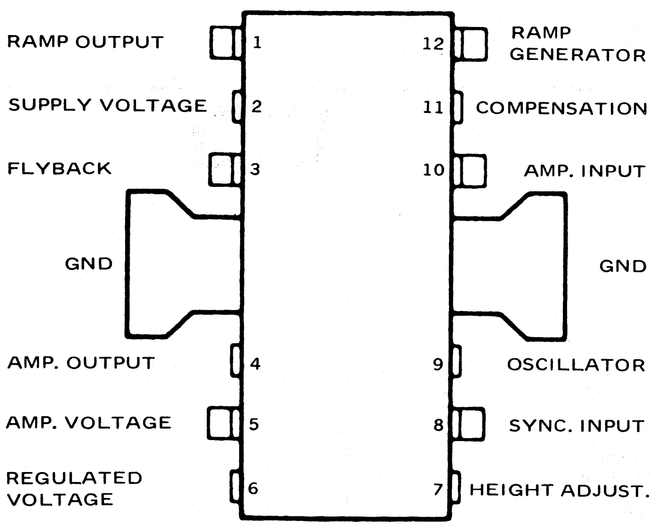
Z805



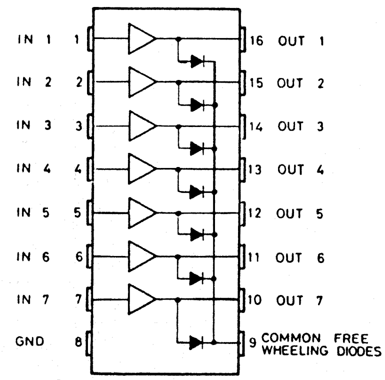
XR-2211
+VCC
INPUT
LOCK DETECT FILTER
GROUND
LOCK DETECT OUTPUTS
Q
Q̄
DATA OUTPUT
SIGNAL PREAMP.
QUAD. ϕ-DET.
LOOP ϕ-DET.
V.C.O.
LOCK DETECT COMP.
INTERNAL REFERENCE
FSK COMP.
TIMING CAPACITOR
TIMING RESISTOR
LOOP ϕ-DET. OUT.
REF. VOLTAGE OUT.
NC
FSK COMP. INPUT

Z806



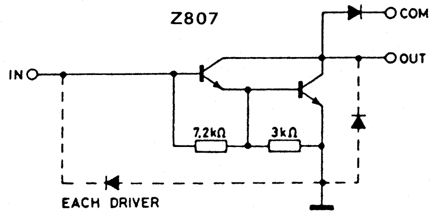


Z807

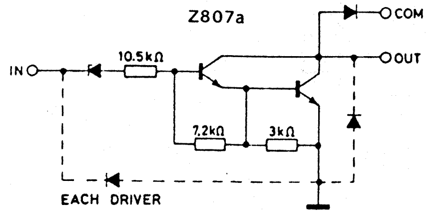


Z807,a,b

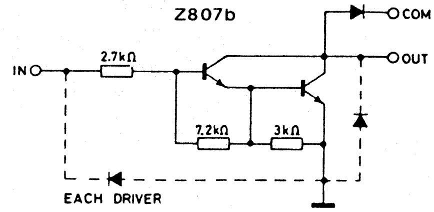
Z807



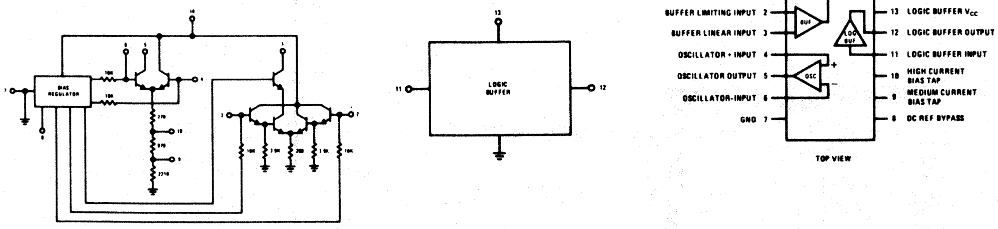
Z807a



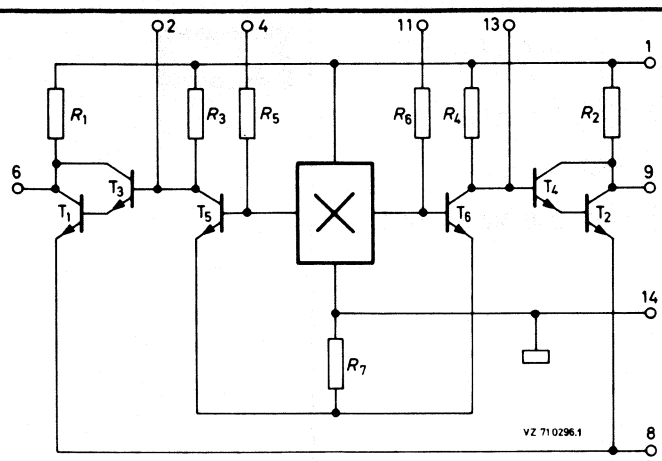
Z807b



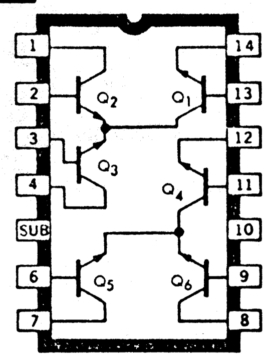
Z808



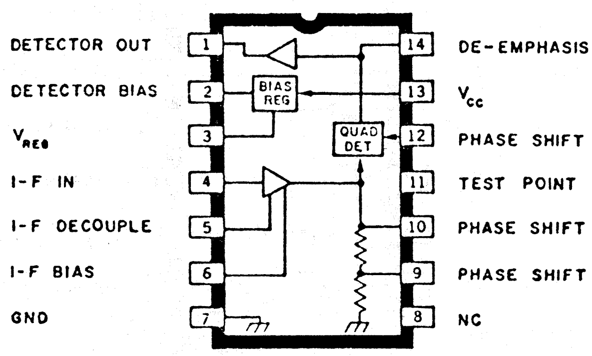
Z809



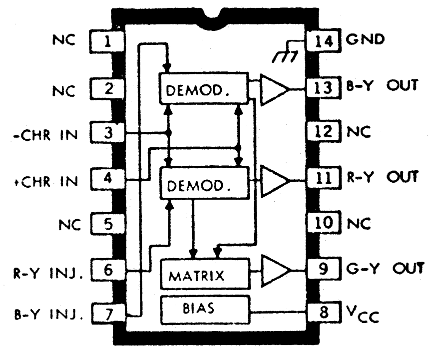
Z810



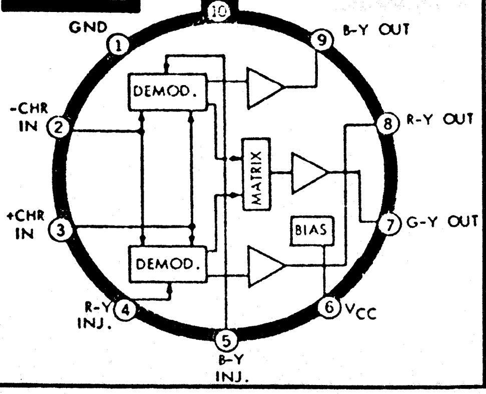
Z811



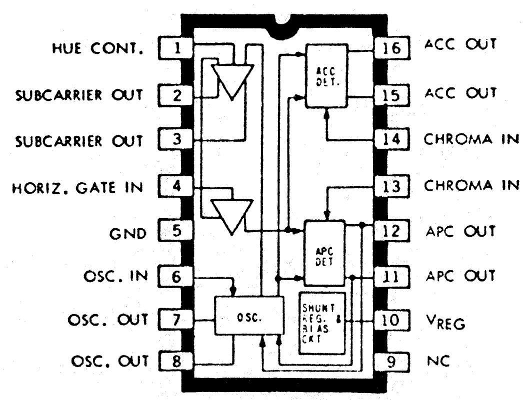
Z812



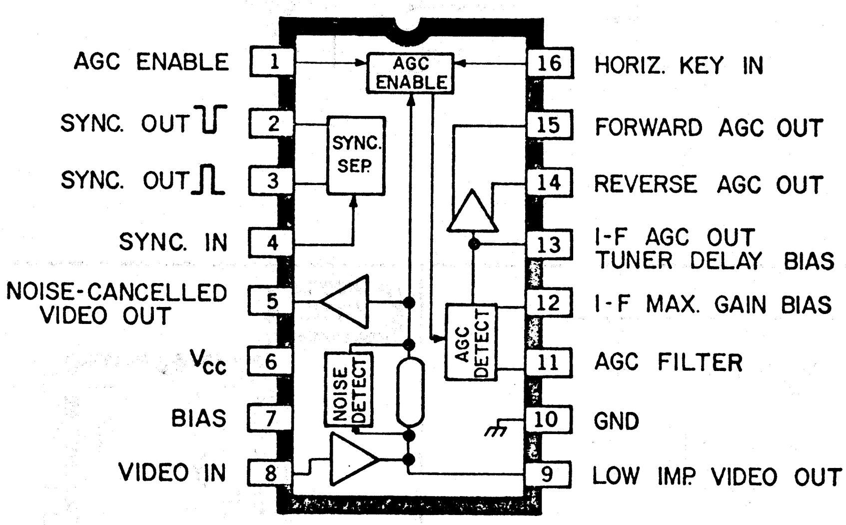
Z813



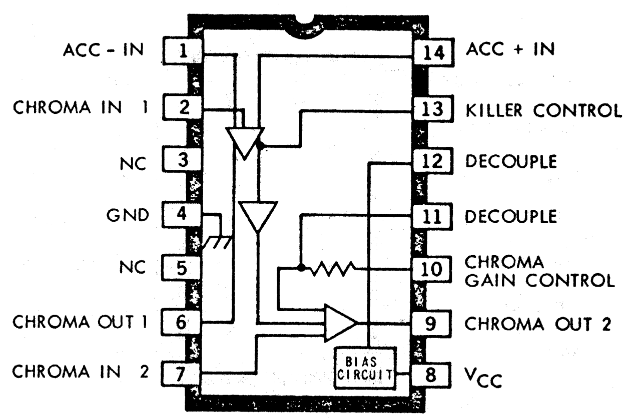
Z814



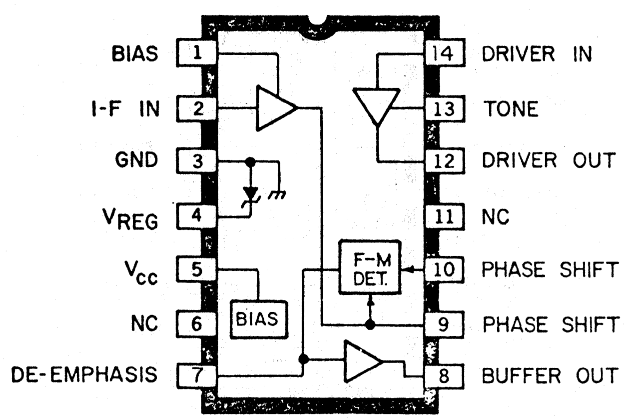
Z815



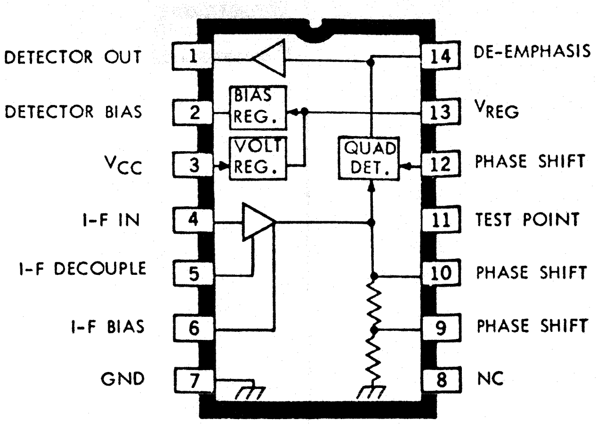
Z816



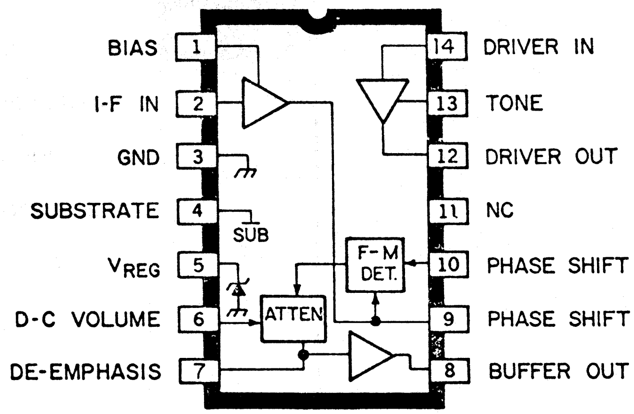
Z817



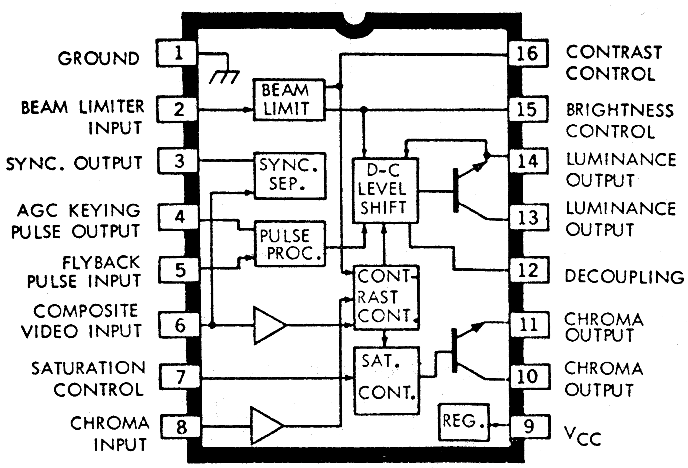
Z818



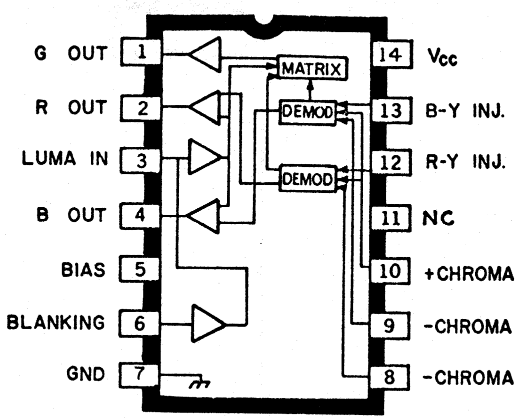
Z819



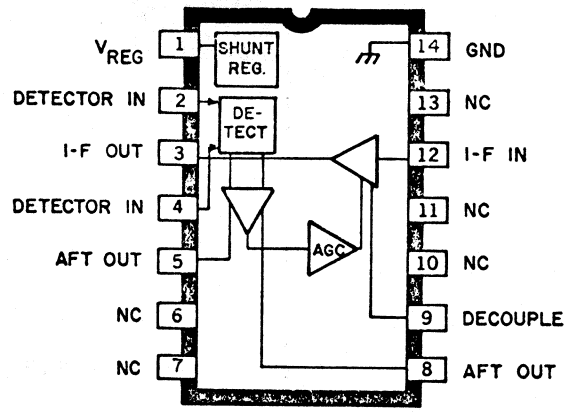
Z820



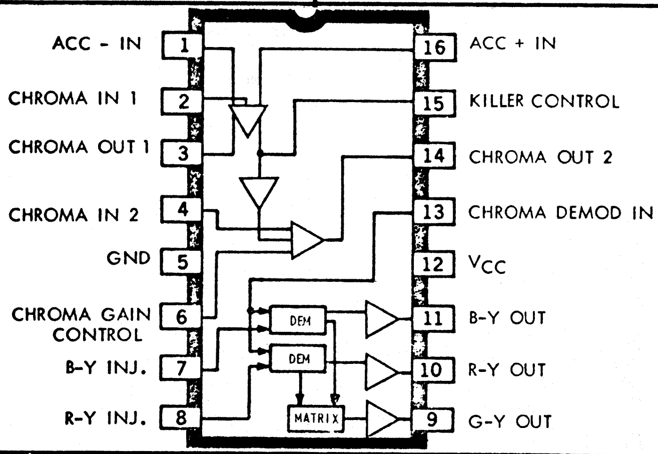
Z821



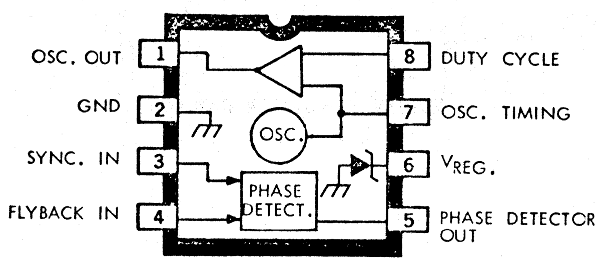
Z822



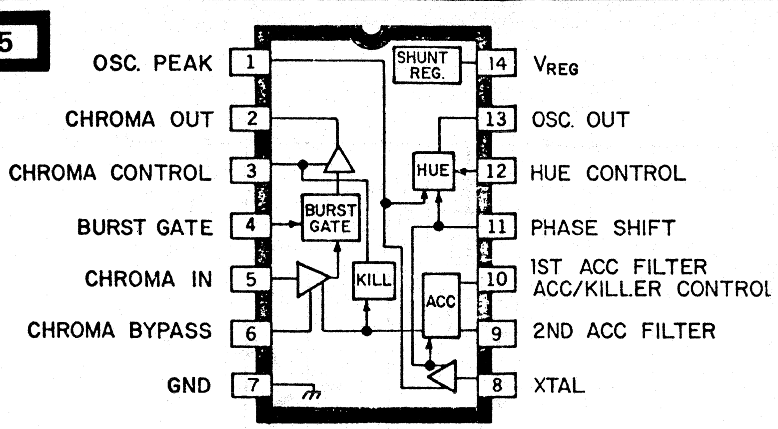
Z823



Z824

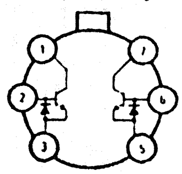


Z825



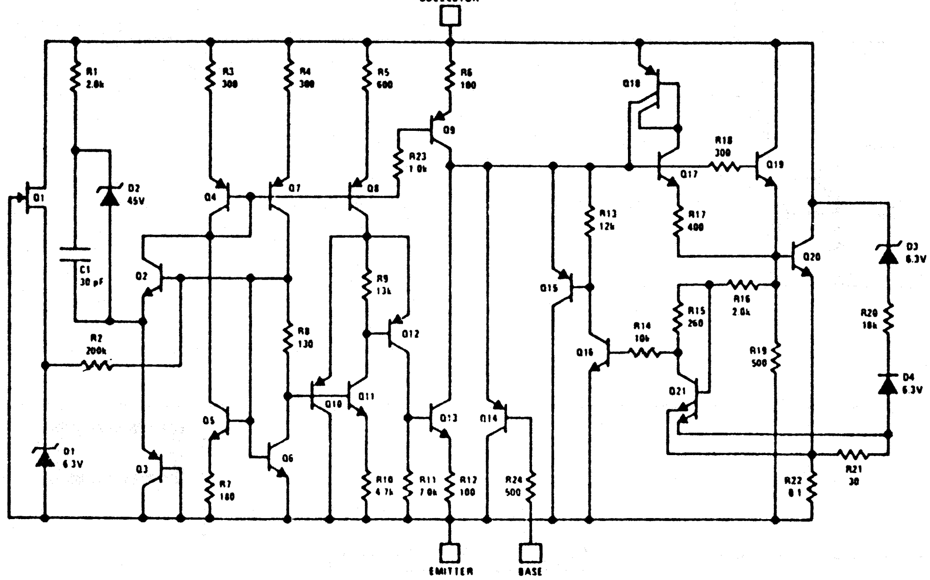
Z826

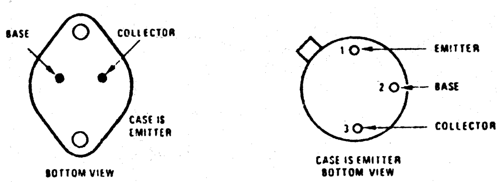
Metal Can Package



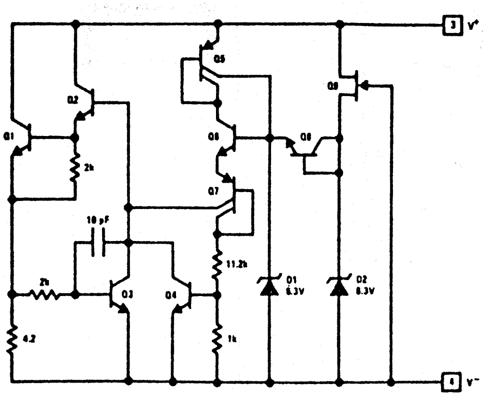
TOP VIEW

Z827

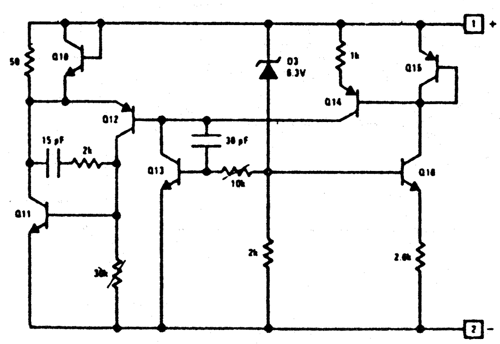




Z828

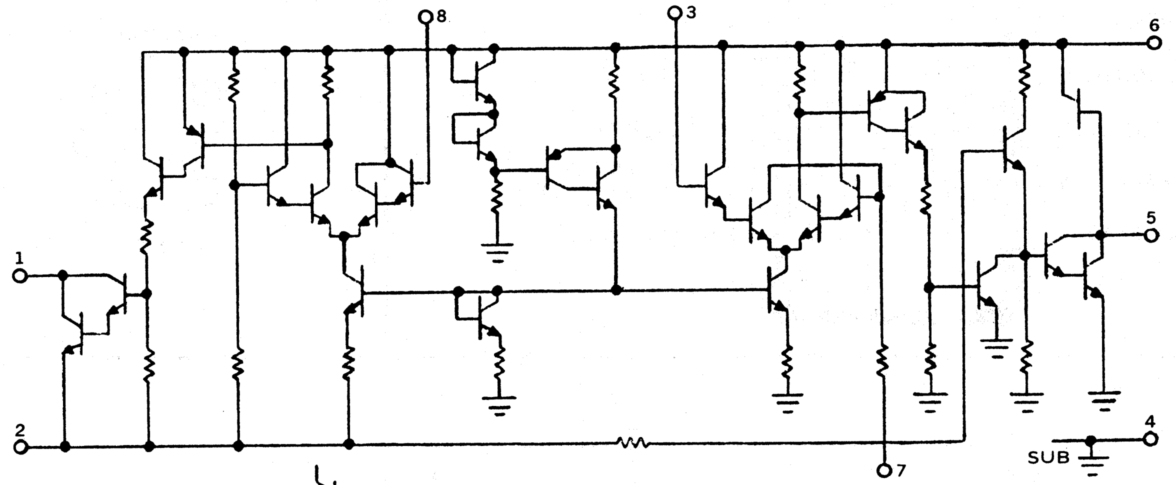


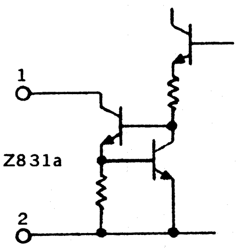
Temperature Stabilizer



Reference

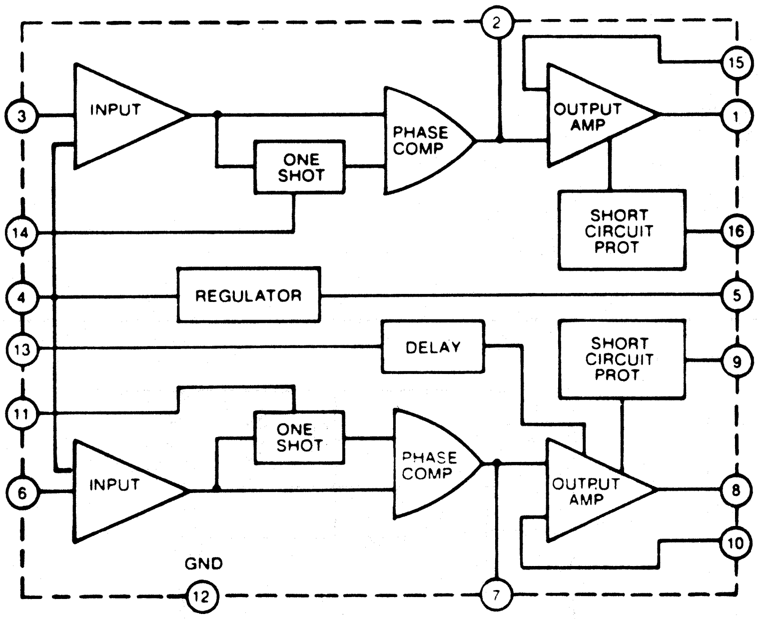
Z831



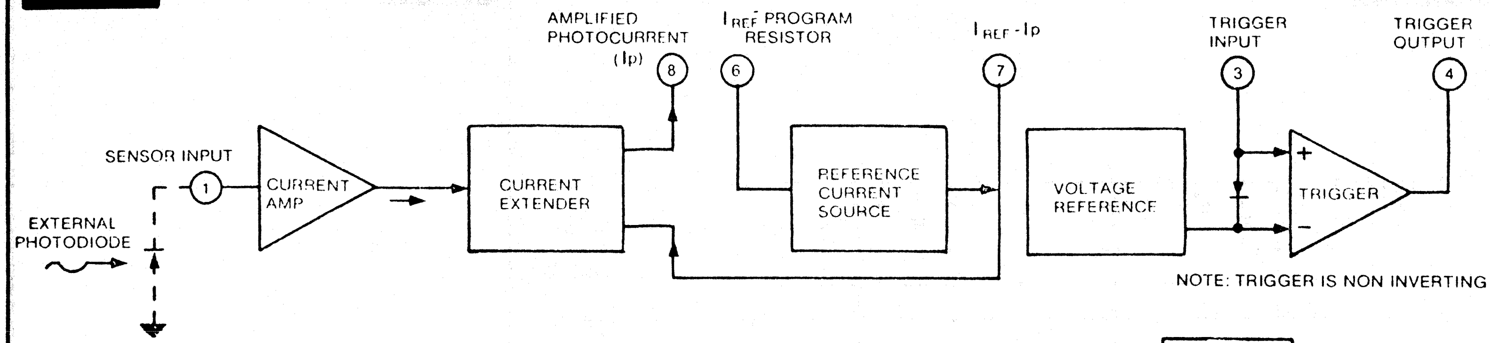


Z831a

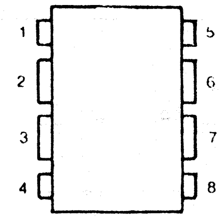
Z832



Z833



NOTE: TRIGGER IS NON INVERTING



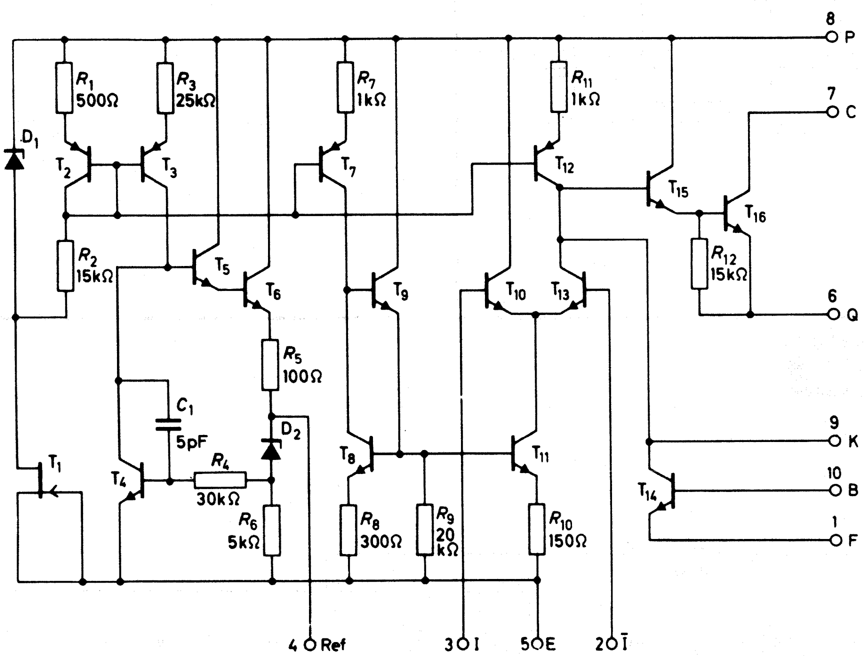
TOP VIEW

8-LEAD MINI DIP

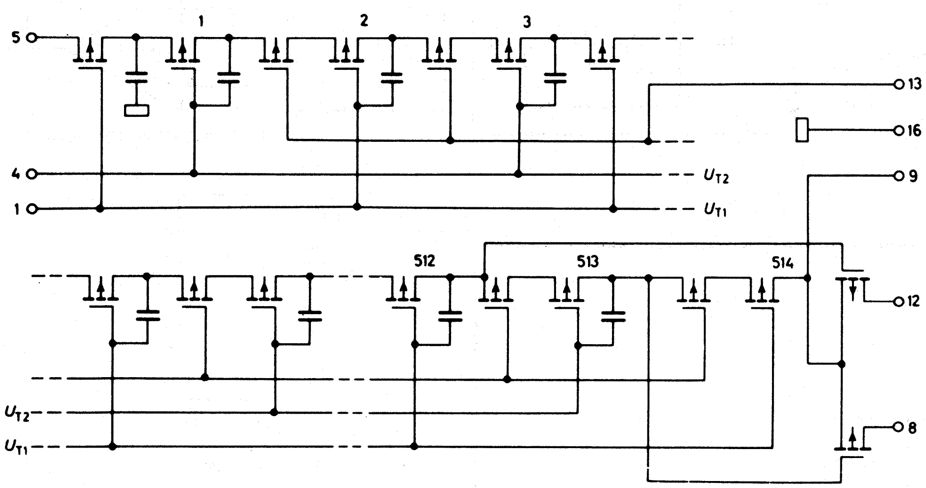
PIN CONNECTIONS

1 SENSOR CATHODE
2 +VCC
3 TRIGGER INPUT
4 TRIGGER OUTPUT
5 COMMON SUBSTRATE
6 I_{REF} PROGRAM RESISTOR
7 (I_{REF}-PHOTOCURRENT) SOURCE
8 PHOTOCURRENT SOURCE

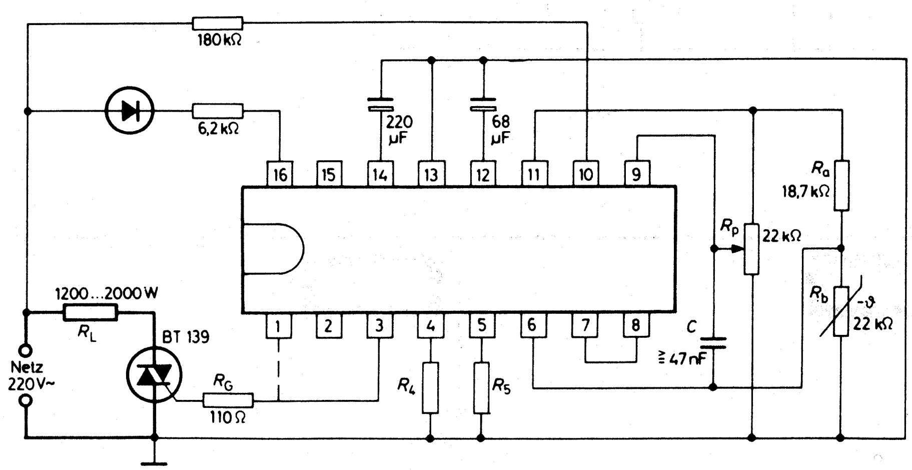
Z835



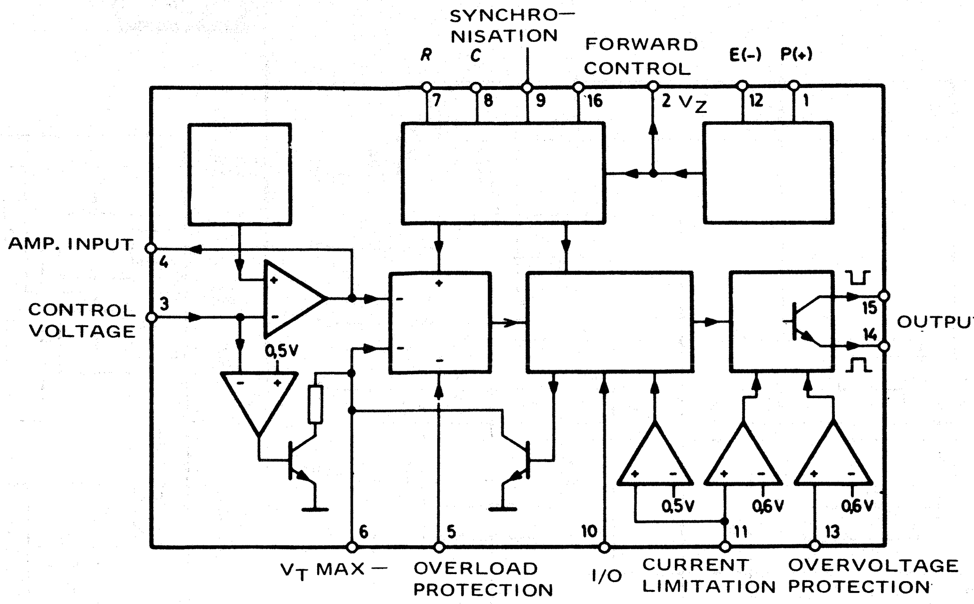
Z836


1
2
3
5
4
1
13
16
9
12
8
512
513
514
U_{T2}
U_{T1}

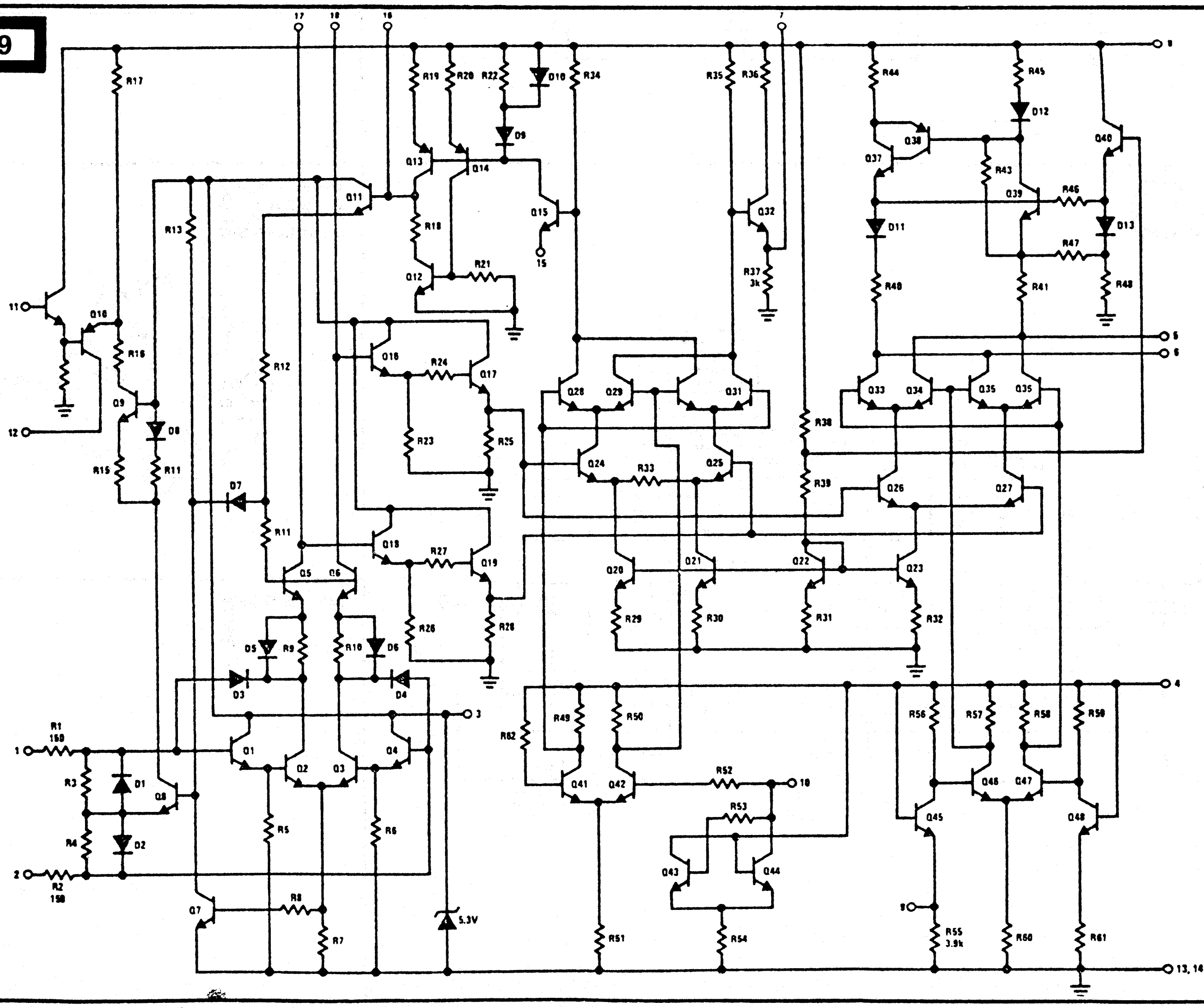
Z837


180 kΩ
6,2 kΩ
220 µF
68 µF
R_a 18,7 kΩ
R_p 22 kΩ
R_b 22 kΩ
1200...2000 W
R_L
BT 139
Netz 220V~
R_G 110 Ω
R_4
R_5
C ≧ 47 nF

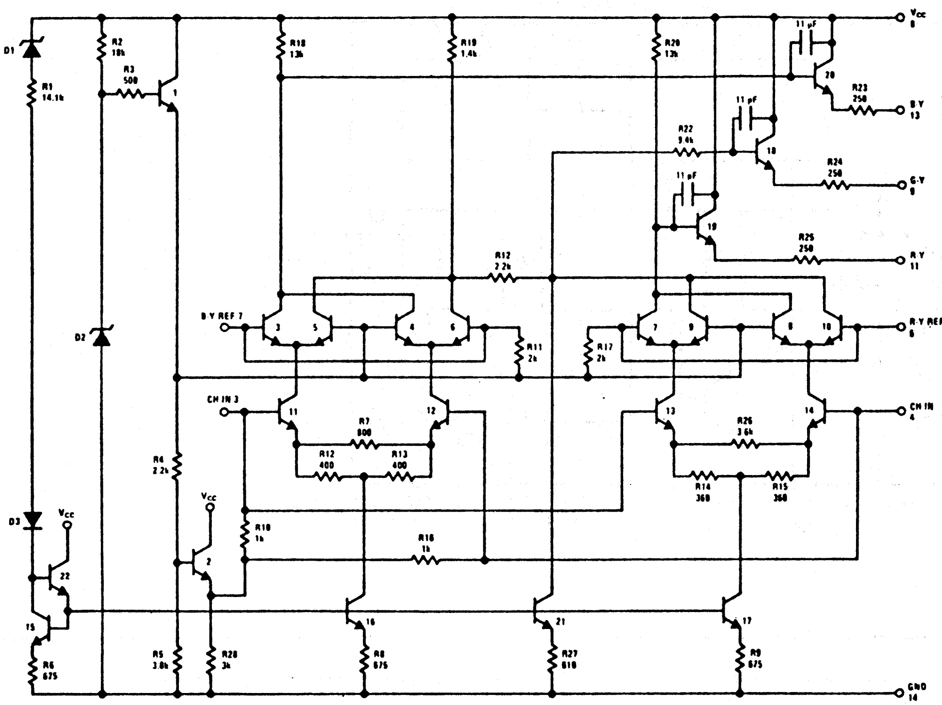
Z838


SYNCHRO-
NISATION
R
C
FORWARD
CONTROL
E(-)
P(+)
7
8
9
16
2 V_Z
12
1
AMP. INPUT
4
CONTROL
VOLTAGE
3
0,5V
15
14
OUTPUT
0,5V
0,6V
0,6V
6
5
10
11
13
V_T MAX —
OVERLOAD
PROTECTION
I/O
CURRENT
LIMITATION
OVERVOLTAGE
PROTECTION

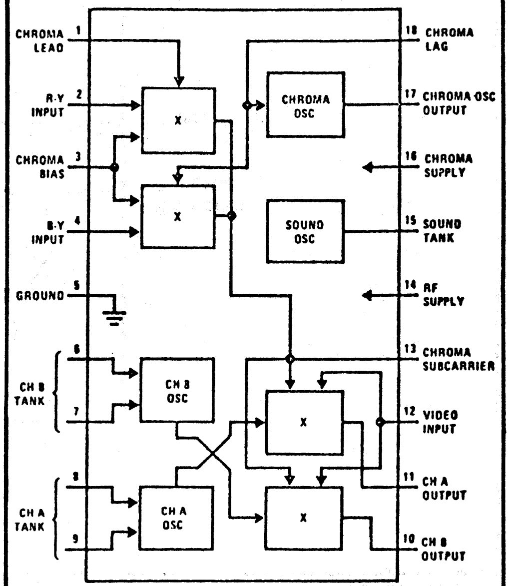
Z839



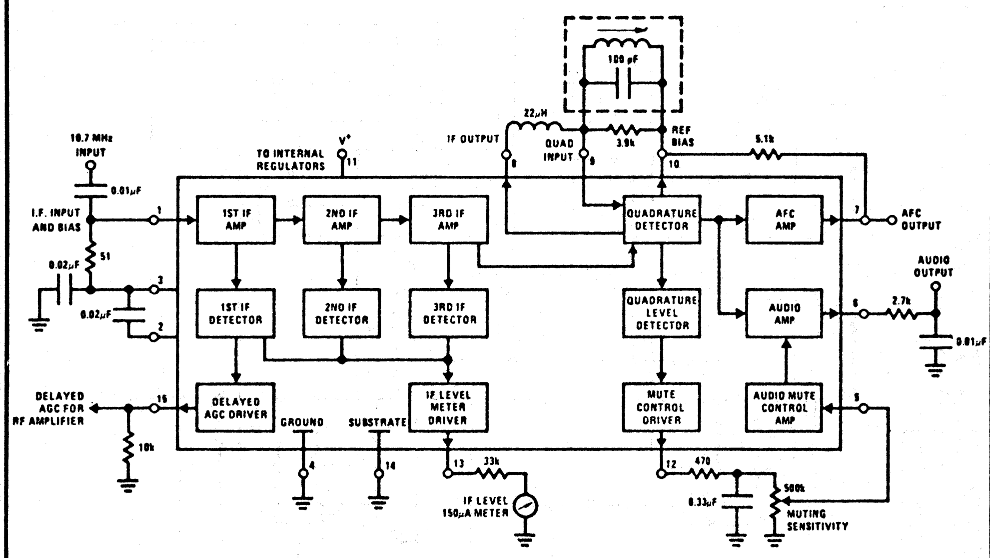
Z840



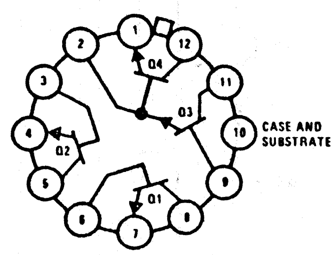
Z841



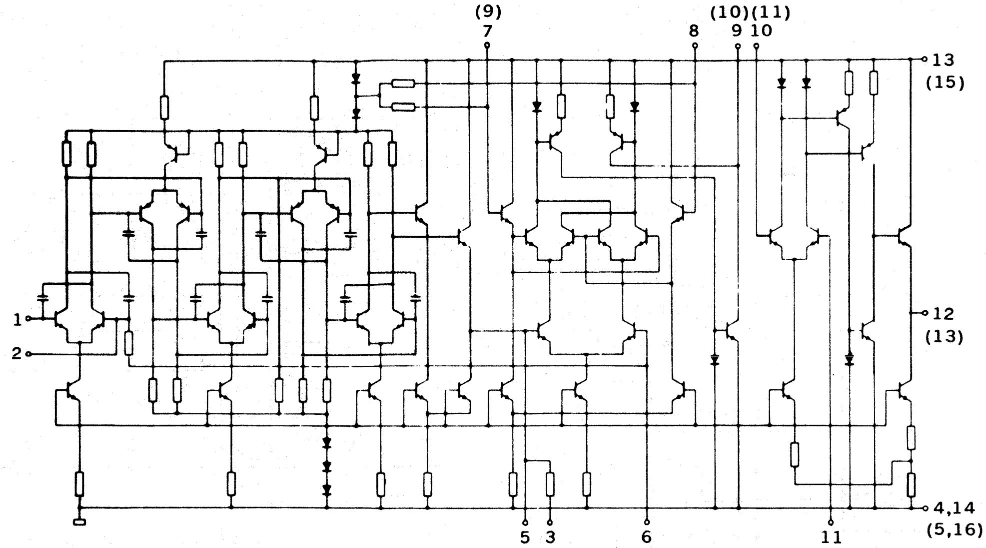
Z842



Z843

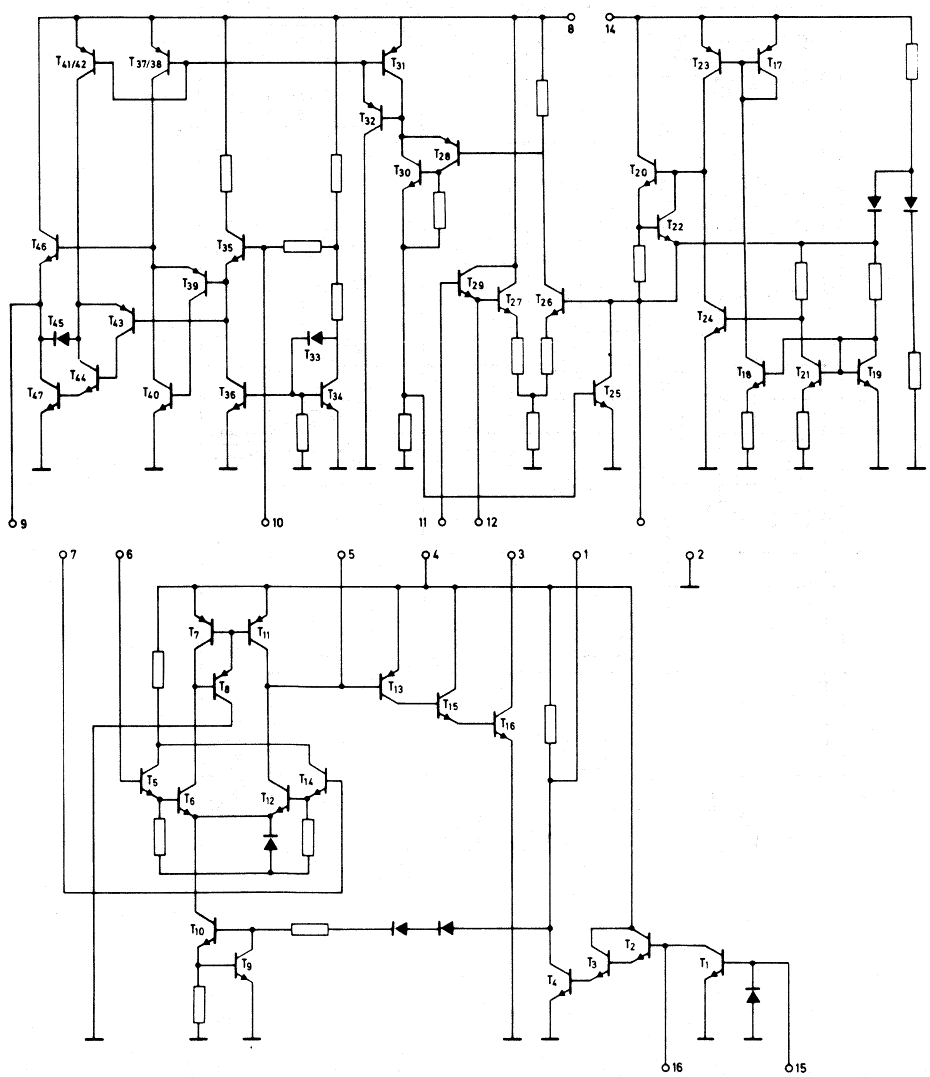


Z844

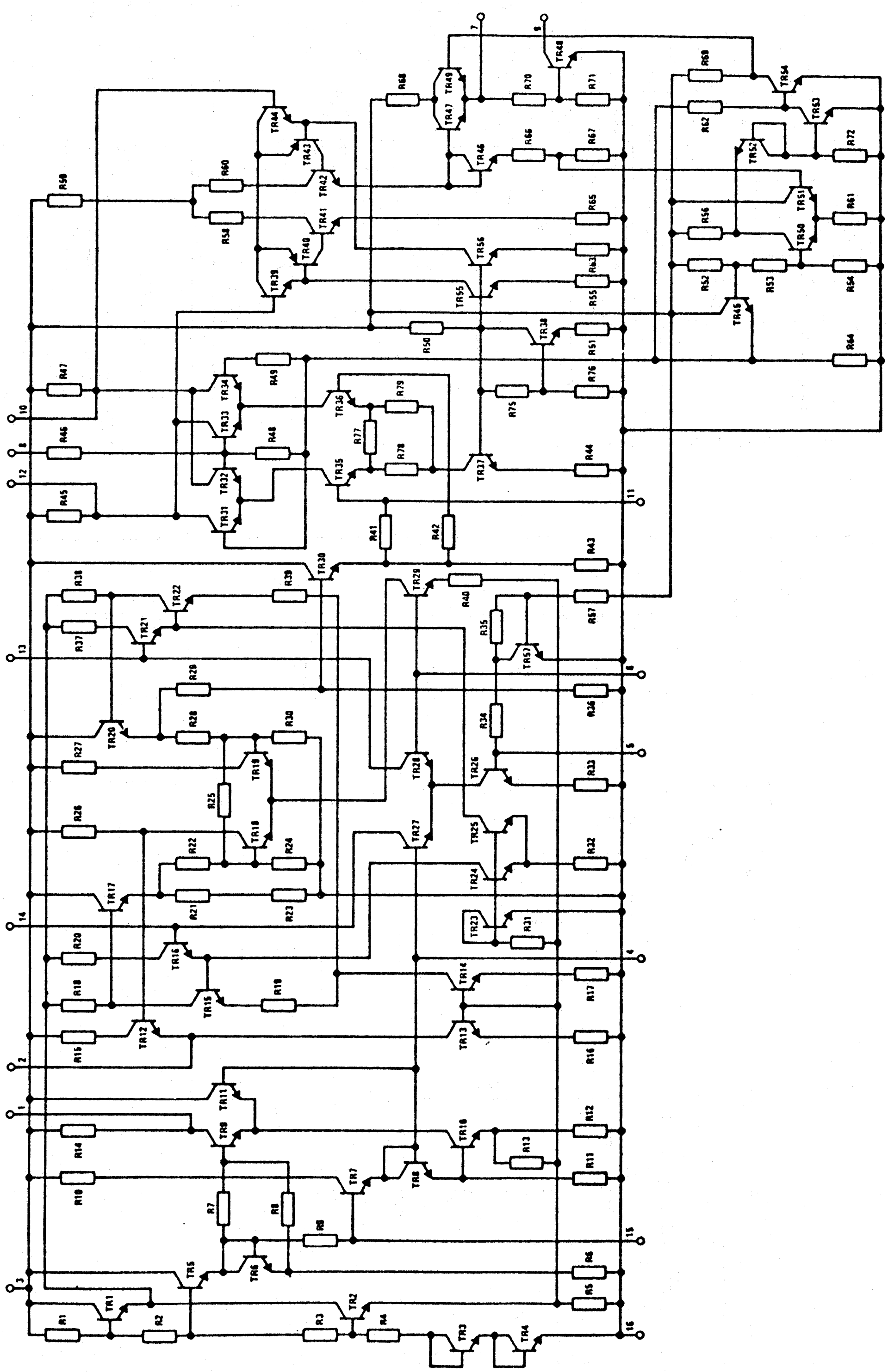


Z844a (PIN NOS. IN BRACKETS)

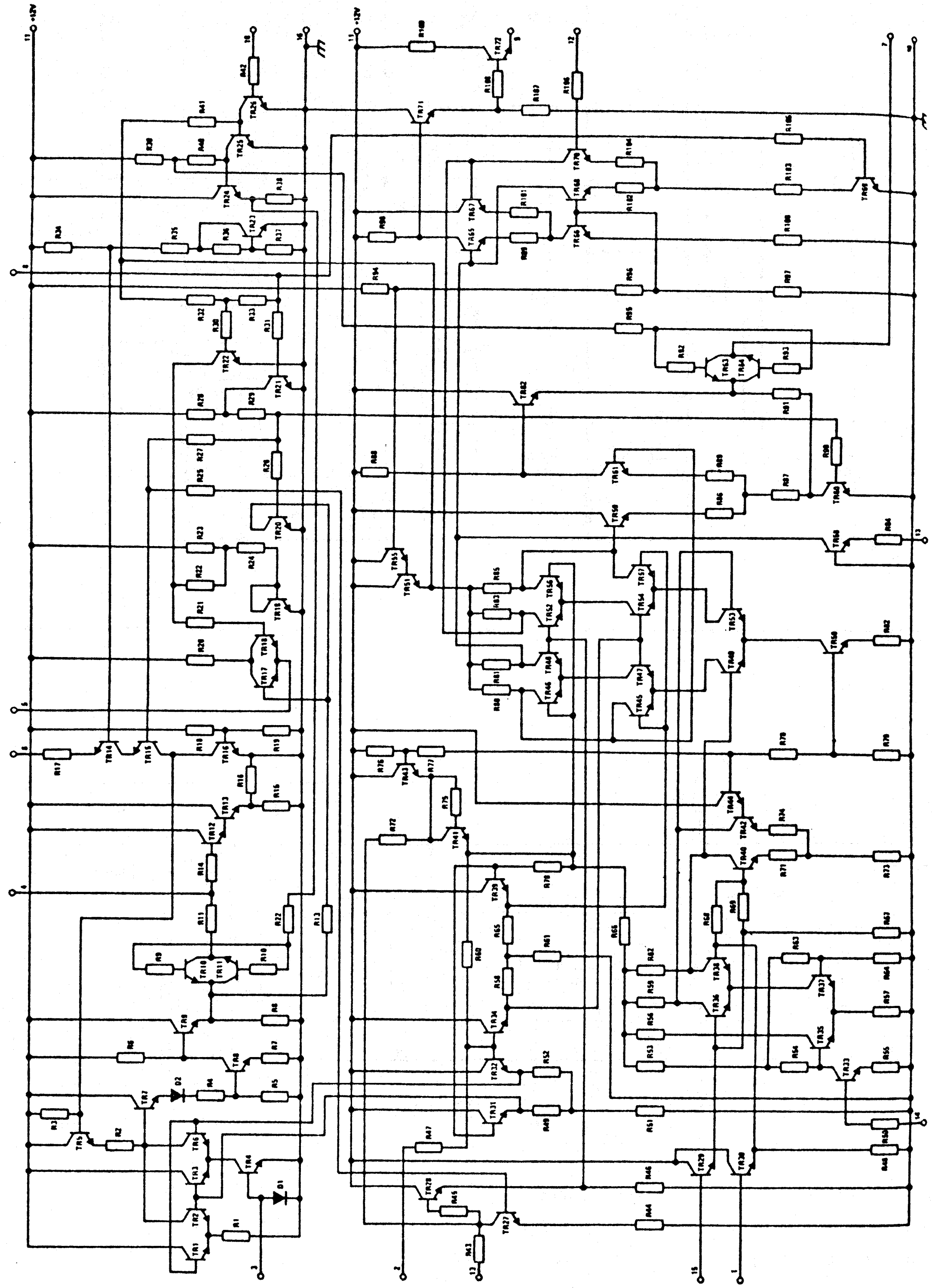
Z845



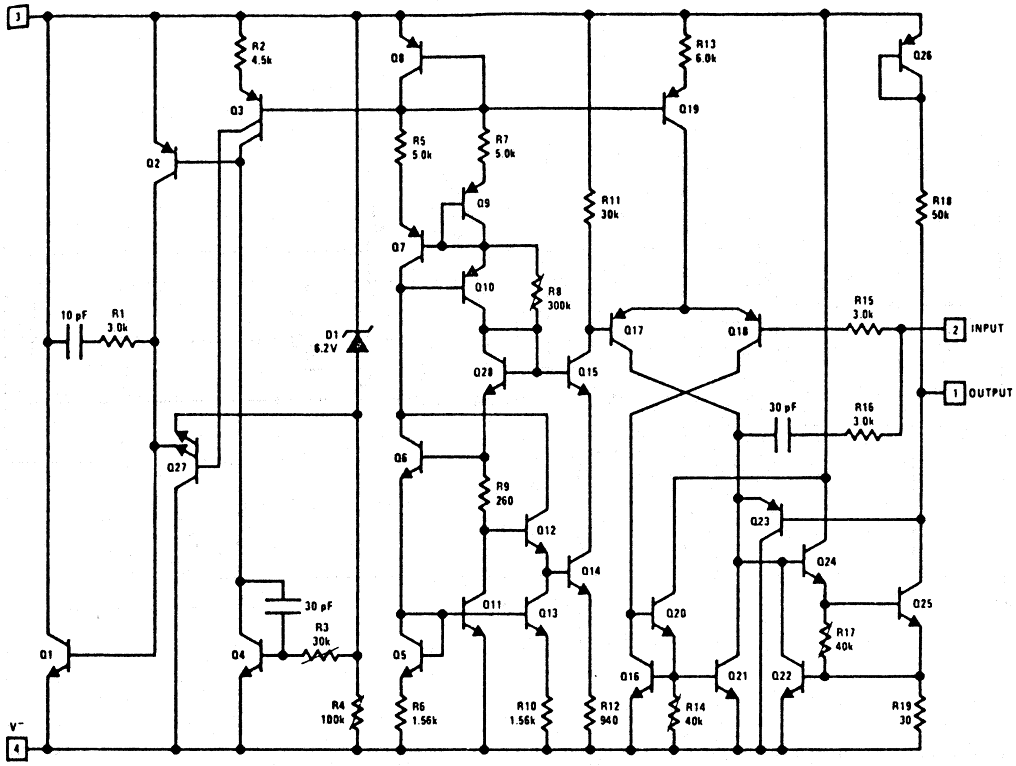
Z846



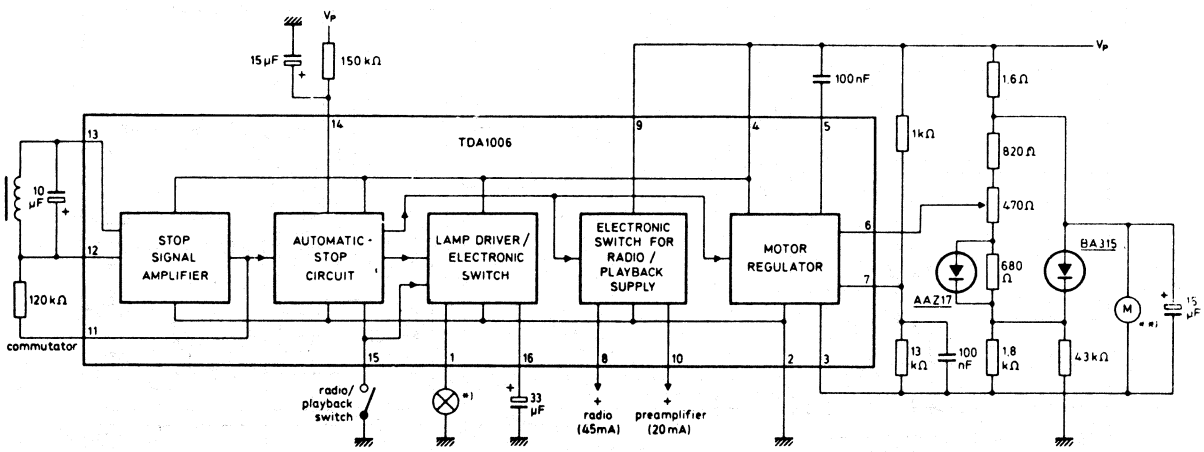
Z847



Z848



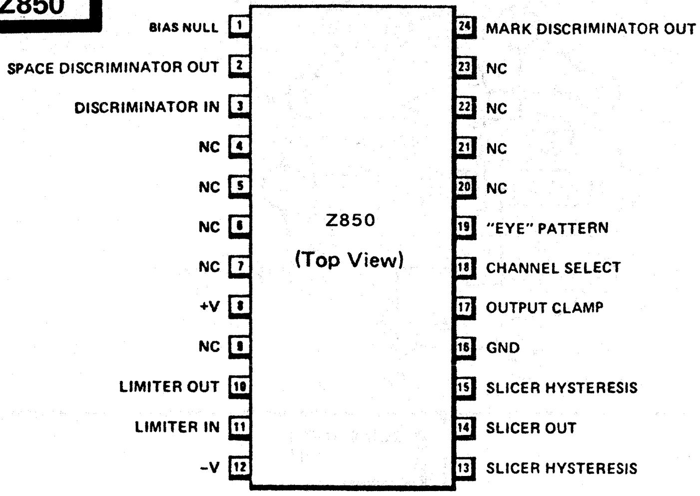
Z849

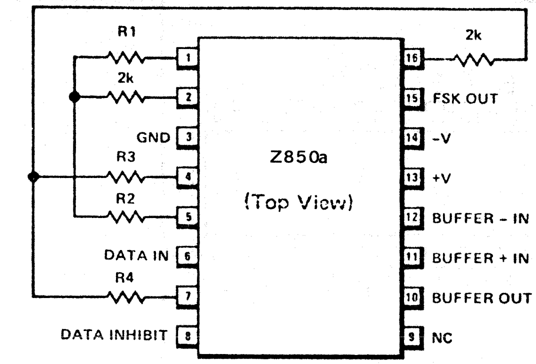


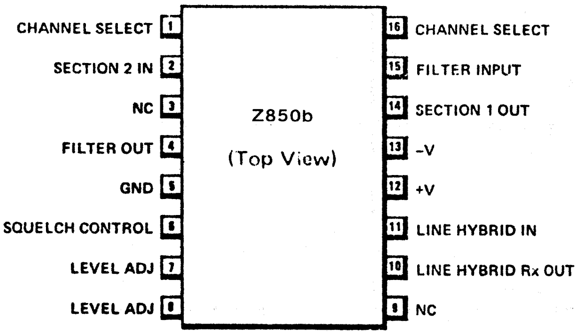
*) Radio : lamp off
Playback : lamp on
Tape-end : intermittent light

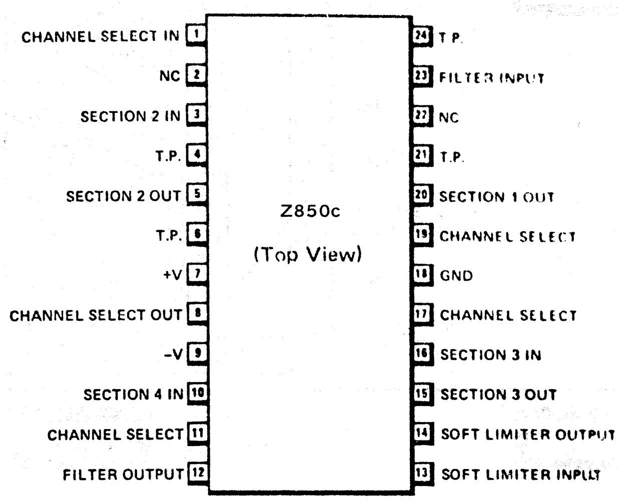
**) D.C. motor
E_{3000} = 7,2 to 8,3 V
R_m = 27 Ω

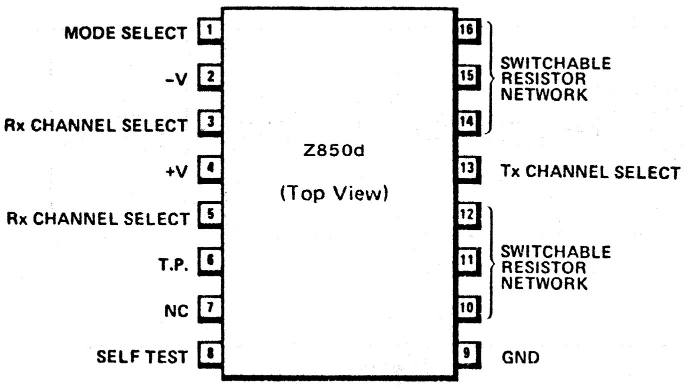
Z850

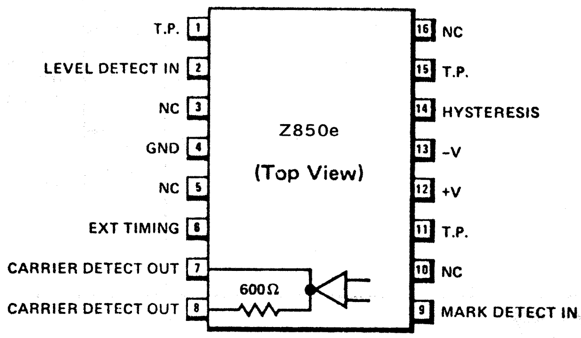

Z850
(Top View)
BIAS NULL 1
SPACE DISCRIMINATOR OUT 2
DISCRIMINATOR IN 3
NC 4
NC 5
NC 6
NC 7
+V 8
NC 9
LIMITER OUT 10
LIMITER IN 11
-V 12
24 MARK DISCRIMINATOR OUT
23 NC
22 NC
21 NC
20 NC
19 "EYE" PATTERN
18 CHANNEL SELECT
17 OUTPUT CLAMP
16 GND
15 SLICER HYSTERESIS
14 SLICER OUT
13 SLICER HYSTERESIS

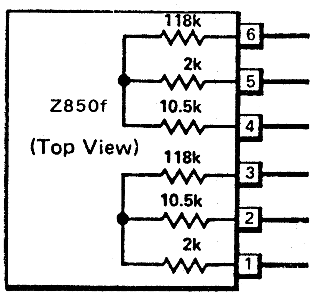

Z850a
(Top View)
R1
2k
R3
R2
R4
2k
1
2
GND 3
4
5
DATA IN 6
7
DATA INHIBIT 8
16
15 FSK OUT
14 -V
13 +V
12 BUFFER - IN
11 BUFFER + IN
10 BUFFER OUT
9 NC

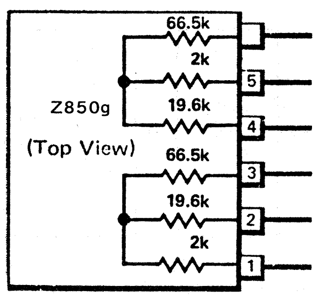

Z850b
(Top View)
CHANNEL SELECT 1
SECTION 2 IN 2
NC 3
FILTER OUT 4
GND 5
SQUELCH CONTROL 6
LEVEL ADJ 7
LEVEL ADJ 8
16 CHANNEL SELECT
15 FILTER INPUT
14 SECTION 1 OUT
13 -V
12 +V
11 LINE HYBRID IN
10 LINE HYBRID Rx OUT
9 NC


Z850c
(Top View)
CHANNEL SELECT IN 1
NC 2
SECTION 2 IN 3
T.P. 4
SECTION 2 OUT 5
T.P. 6
+V 7
CHANNEL SELECT OUT 8
-V 9
SECTION 4 IN 10
CHANNEL SELECT 11
FILTER OUTPUT 12
24 T.P.
23 FILTER INPUT
22 NC
21 T.P.
20 SECTION 1 OUT
19 CHANNEL SELECT
18 GND
17 CHANNEL SELECT
16 SECTION 3 IN
15 SECTION 3 OUT
14 SOFT LIMITER OUTPUT
13 SOFT LIMITER INPUT

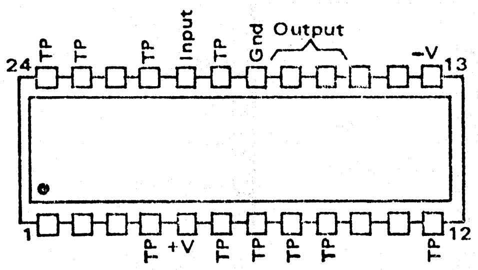

Z850d
(Top View)
MODE SELECT 1
-V 2
Rx CHANNEL SELECT 3
+V 4
Rx CHANNEL SELECT 5
T.P. 6
NC 7
SELF TEST 8
16
15
14
SWITCHABLE RESISTOR NETWORK
13 Tx CHANNEL SELECT
12
11
10
SWITCHABLE RESISTOR NETWORK
9 GND


Z850e
(Top View)
T.P. 1
LEVEL DETECT IN 2
NC 3
GND 4
NC 5
EXT TIMING 6
CARRIER DETECT OUT 7
CARRIER DETECT OUT 8
600Ω
16 NC
15 T.P.
14 HYSTERESIS
13 -V
12 +V
11 T.P.
10 NC
9 MARK DETECT IN

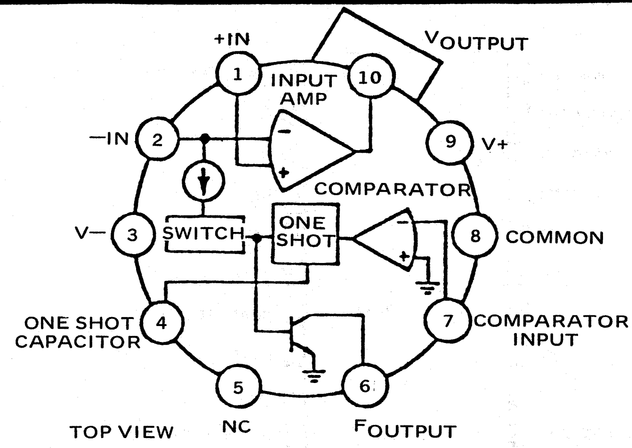

Z850f
(Top View)
118k
2k
10.5k
118k
10.5k
2k
6
5
4
3
2
1


Z850g
(Top View)
66.5k
2k
19.6k
66.5k
19.6k
2k
5
4
3
2
1

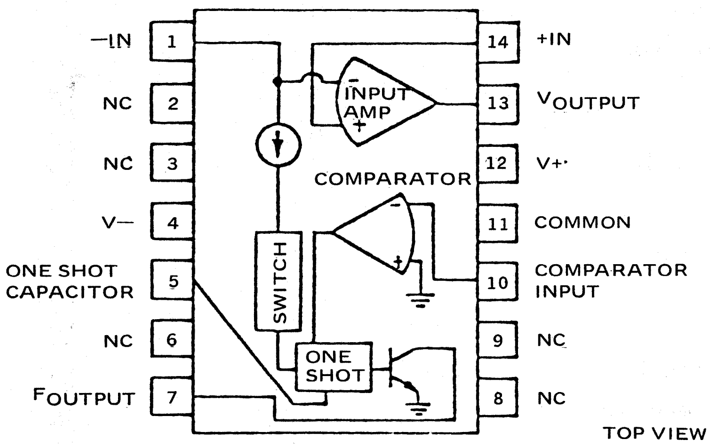
Z851



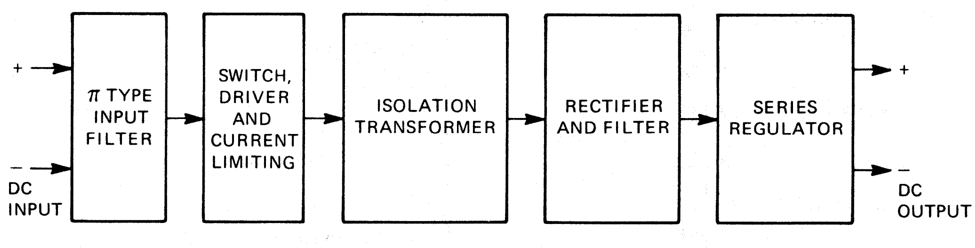
Z852



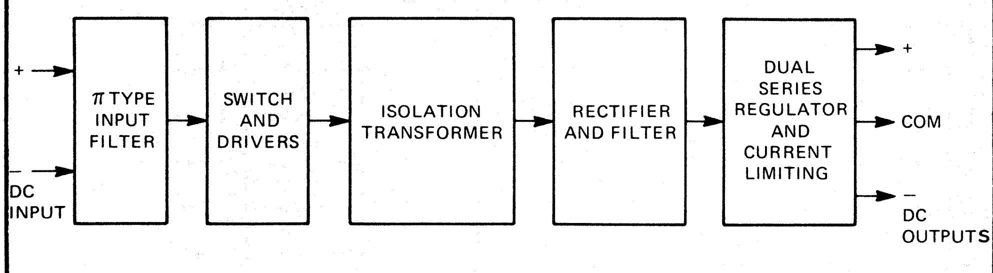
Z853



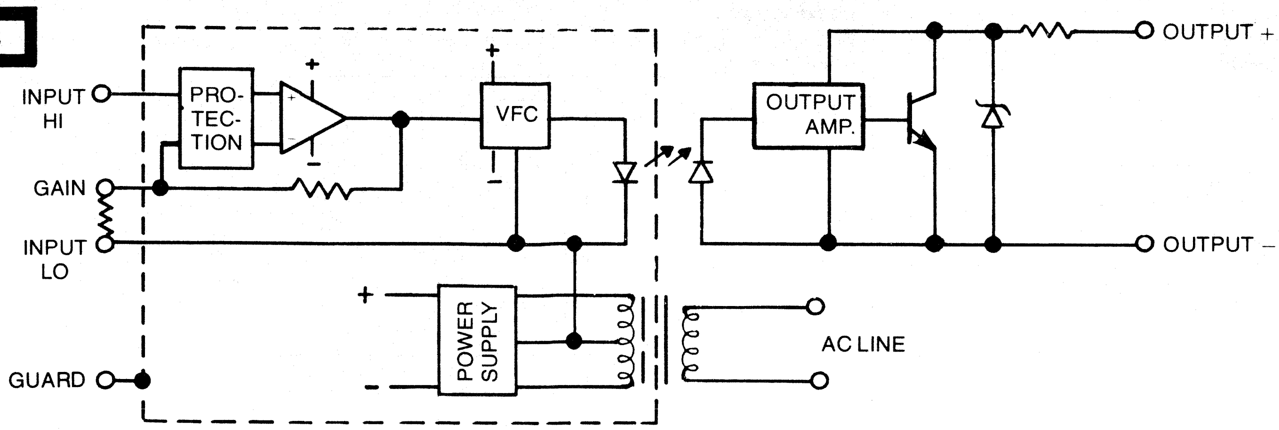
Z854



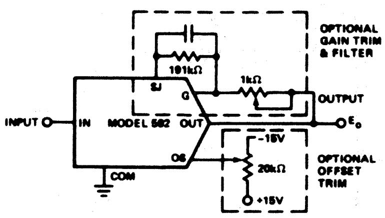
Z855



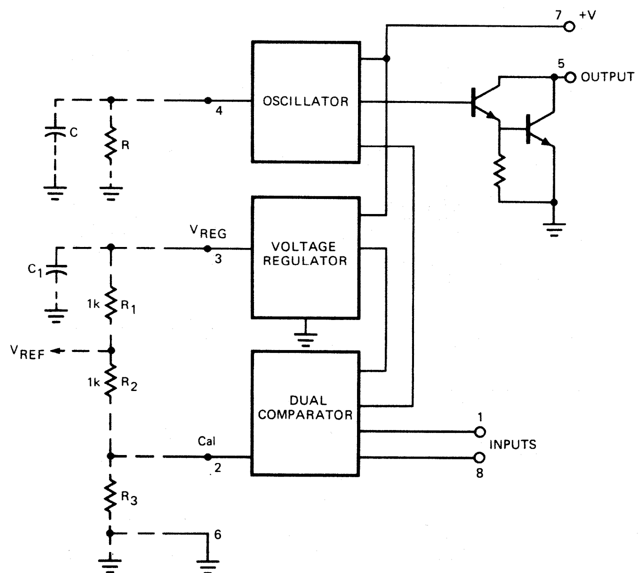
Z856



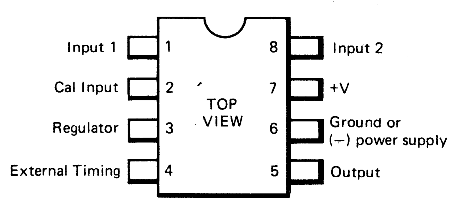
Z857



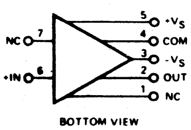
Z858



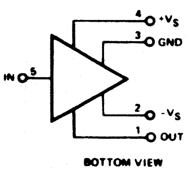
Note: Dashed lines are external components.



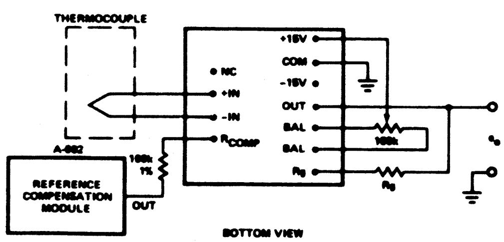
Z859



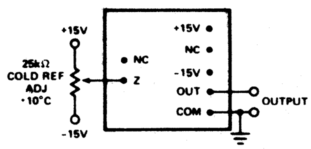
Z860



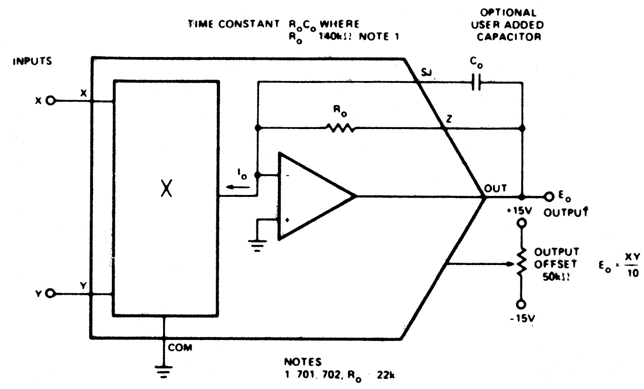
Z861



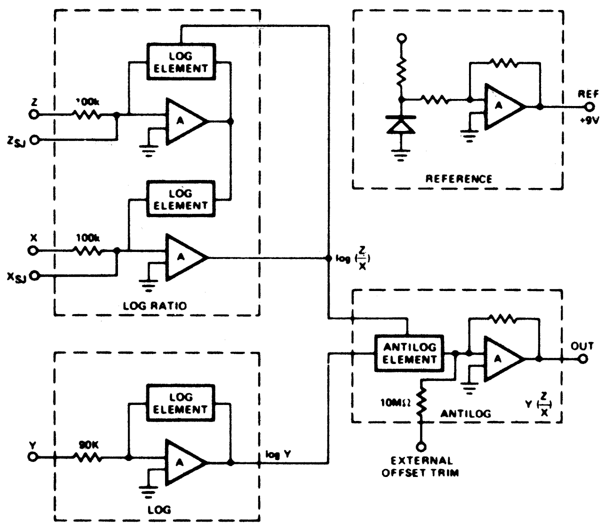
Z862



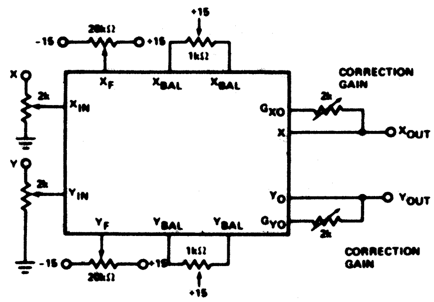
Z863



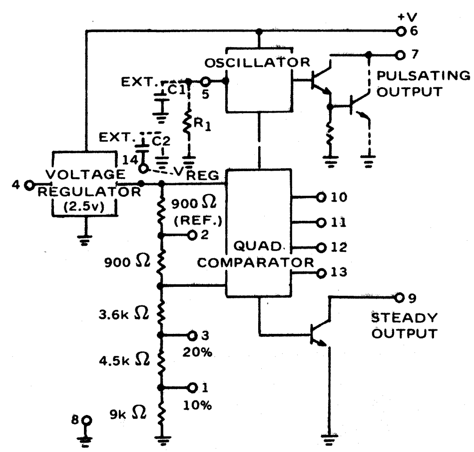
Z864

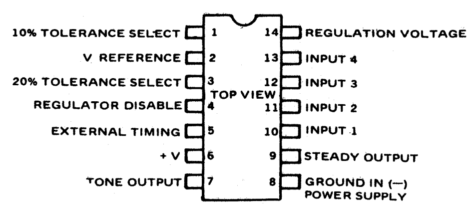


Z865



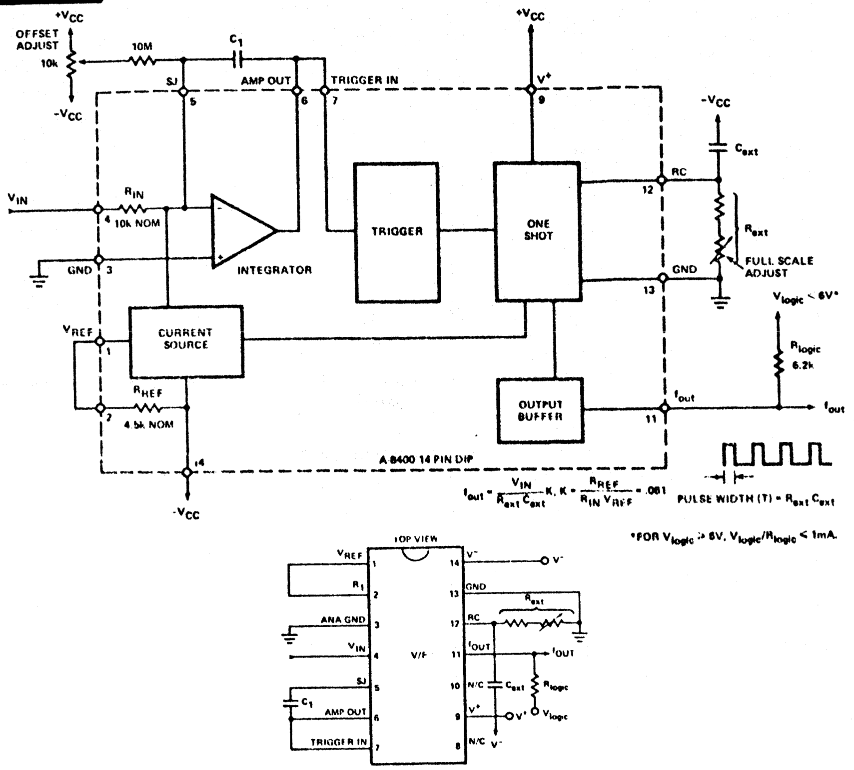
Z866



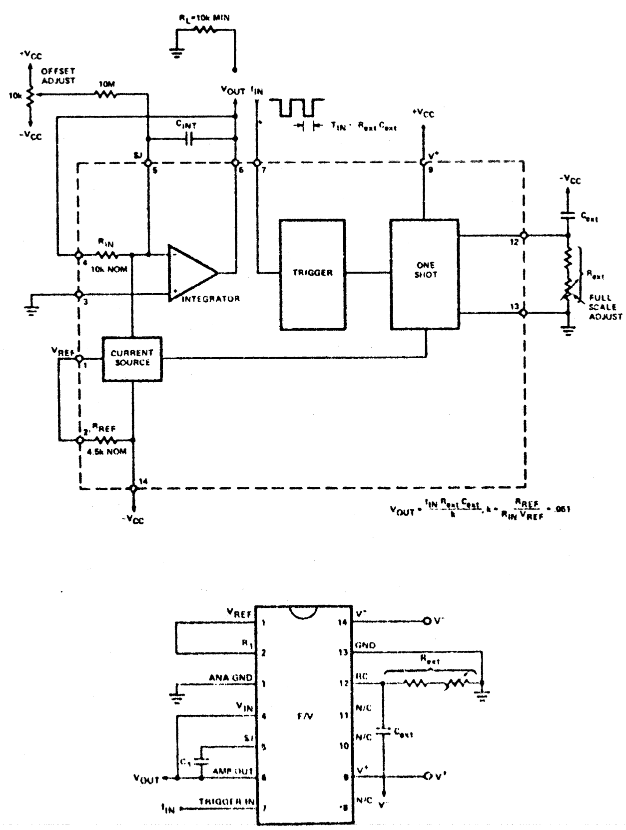


NOTE: FOR 5% DO NOT CONNECT PIN 1 OR 3

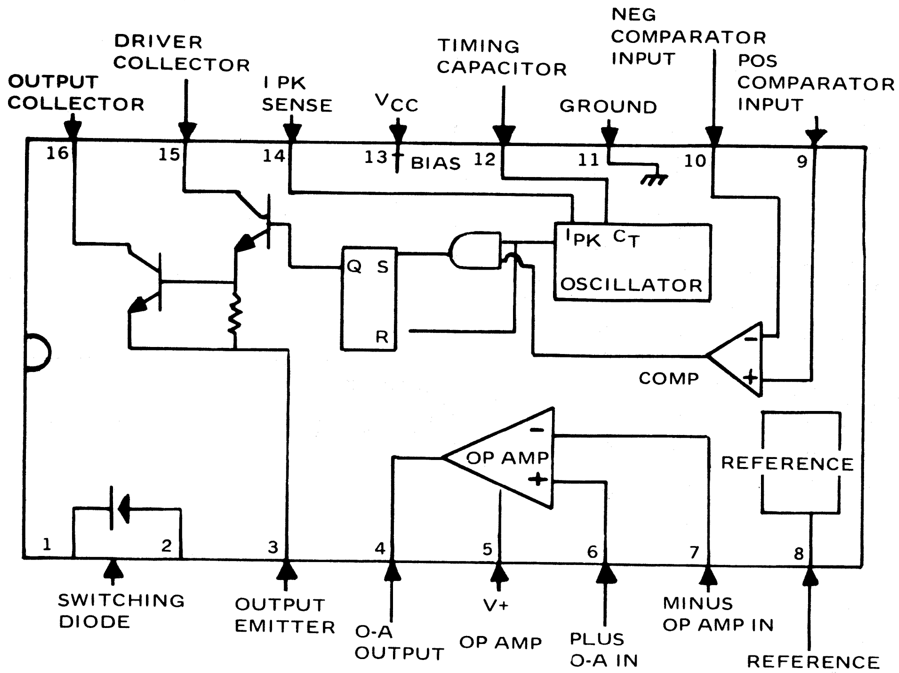
Z867


OFFSET ADJUST
10M
SJ
AMP OUT
TRIGGER IN
INTEGRATOR
TRIGGER
ONE SHOT
CURRENT SOURCE
OUTPUT BUFFER
FULL SCALE ADJUST
A 8400 14 PIN DIP
PULSE WIDTH (T) = Rext Cext
TOP VIEW
ANA GND
TRIGGER IN

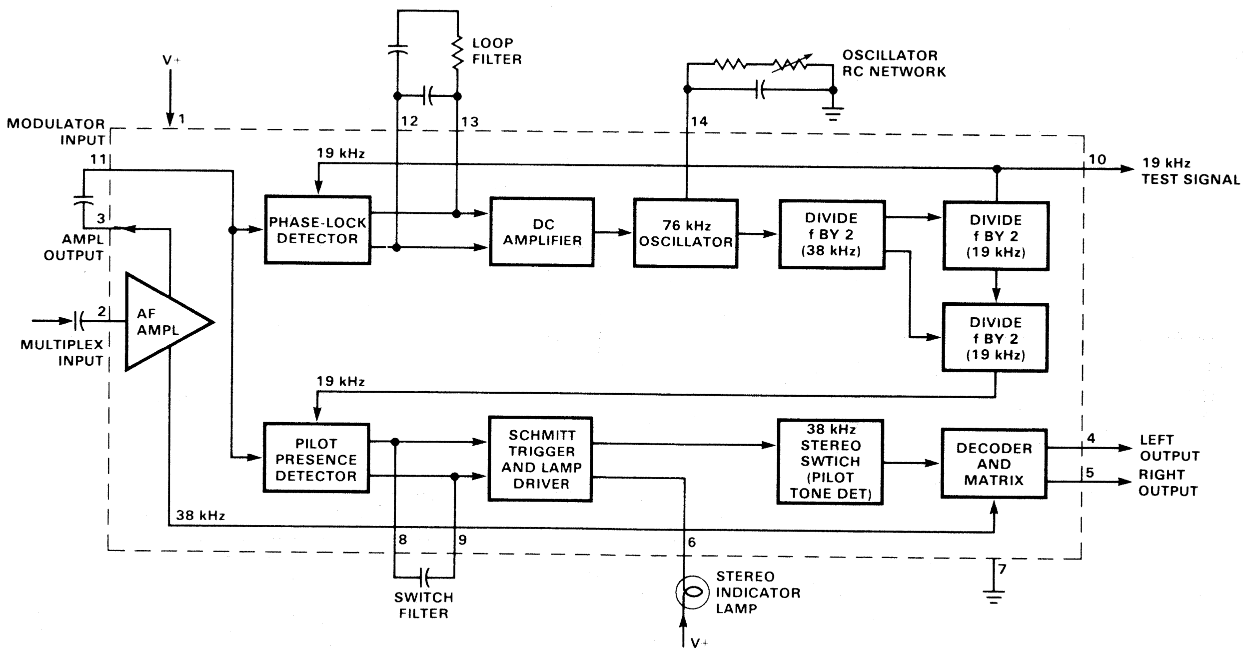
Z868


OFFSET ADJUST
INTEGRATOR
TRIGGER
ONE SHOT
CURRENT SOURCE
FULL SCALE ADJUST
ANA GND
AMP OUT
TRIGGER IN

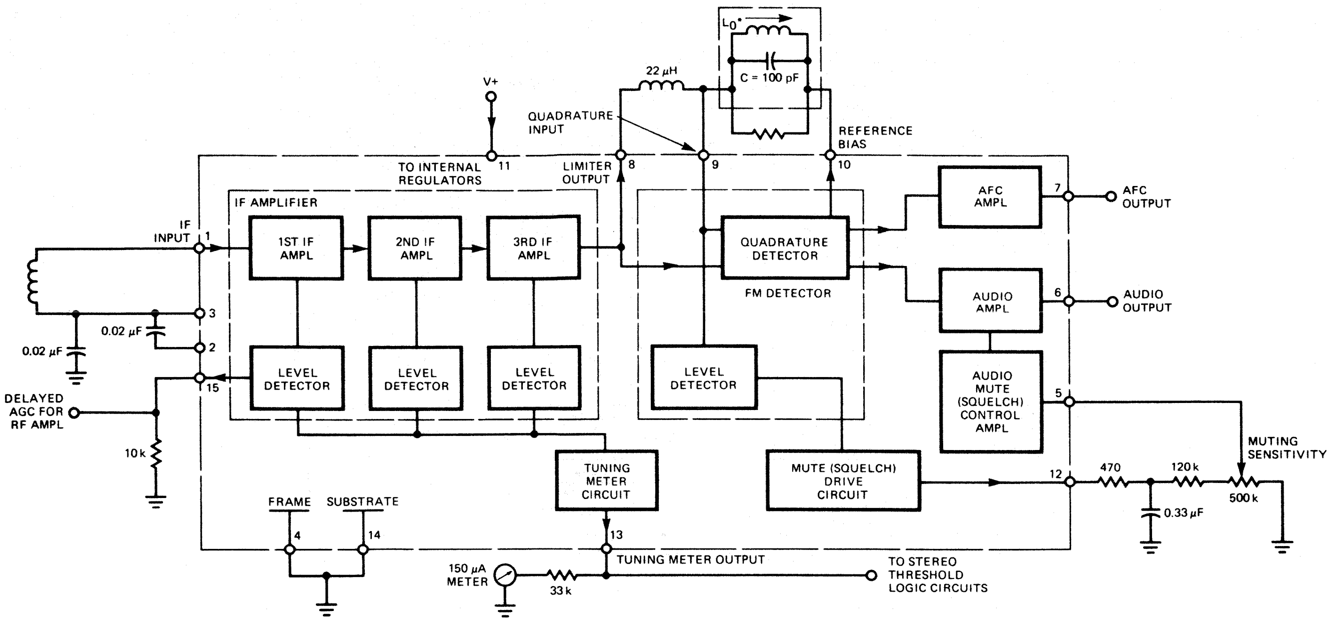
Z870


NEG COMPARATOR INPUT
DRIVER COLLECTOR
TIMING CAPACITOR
OUTPUT COLLECTOR
I PK SENSE
VCC
GROUND
POS COMPARATOR INPUT
16
15
14
13
BIAS
12
11
10
9
IPK CT
Q S
OSCILLATOR
R
COMP
OP AMP
REFERENCE
1
2
3
4
5
6
7
8
SWITCHING DIODE
OUTPUT EMITTER
O-A OUTPUT
V+
OP AMP
PLUS O-A IN
MINUS OP AMP IN
REFERENCE

Z871

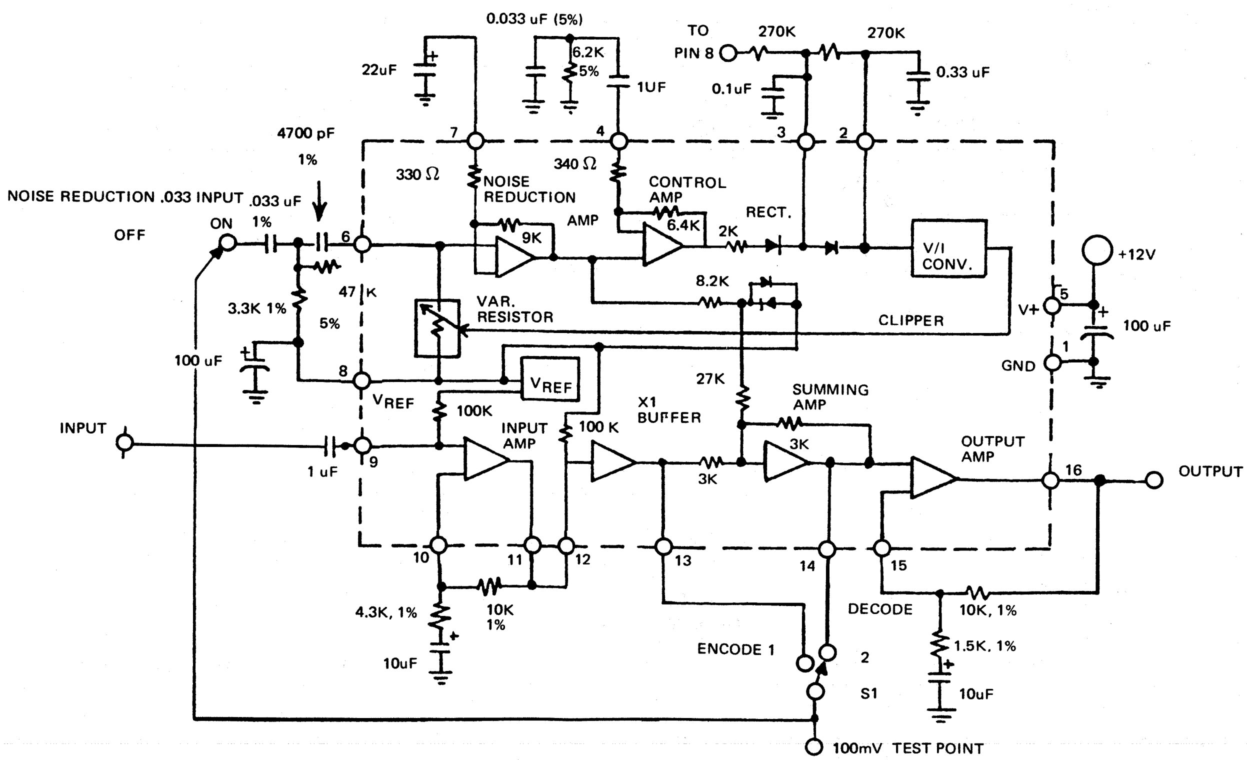

LOOP FILTER
OSCILLATOR RC NETWORK
V+
MODULATOR INPUT
1
12
13
14
11
19 kHz
10
19 kHz TEST SIGNAL
3
AMPL OUTPUT
PHASE-LOCK DETECTOR
DC AMPLIFIER
76 kHz OSCILLATOR
DIVIDE f BY 2 (38 kHz)
DIVIDE f BY 2 (19 kHz)
2
AF AMPL
MULTIPLEX INPUT
DIVIDE f BY 2 (19 kHz)
19 kHz
PILOT PRESENCE DETECTOR
SCHMITT TRIGGER AND LAMP DRIVER
38 kHz STEREO SWTICH (PILOT TONE DET)
DECODER AND MATRIX
4
LEFT OUTPUT
5
RIGHT OUTPUT
38 kHz
8
9
6
7
SWITCH FILTER
STEREO INDICATOR LAMP
V+

Z872



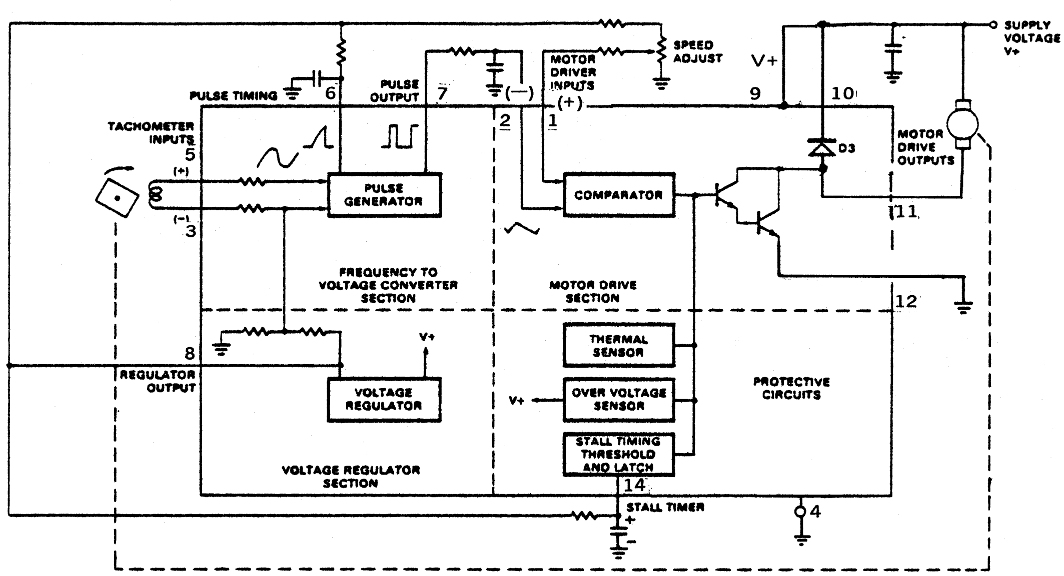
L_0*
C = 100 pF
22 μH
V+
QUADRATURE INPUT
REFERENCE BIAS
TO INTERNAL REGULATORS
LIMITER OUTPUT
11
8
9
10
IF AMPLIFIER
IF INPUT
1
1ST IF AMPL
2ND IF AMPL
3RD IF AMPL
QUADRATURE DETECTOR
FM DETECTOR
AFC AMPL
AFC OUTPUT
7
AUDIO AMPL
AUDIO OUTPUT
6
3
2
0.02 μF
0.02 μF
15
LEVEL DETECTOR
LEVEL DETECTOR
LEVEL DETECTOR
LEVEL DETECTOR
AUDIO MUTE (SQUELCH) CONTROL AMPL
5
DELAYED AGC FOR RF AMPL
10k
MUTING SENSITIVITY
TUNING METER CIRCUIT
MUTE (SQUELCH) DRIVE CIRCUIT
12
470
120k
500k
0.33 μF
FRAME
SUBSTRATE
4
14
13
TUNING METER OUTPUT
150 μA METER
33k
TO STEREO THRESHOLD LOGIC CIRCUITS

Z873

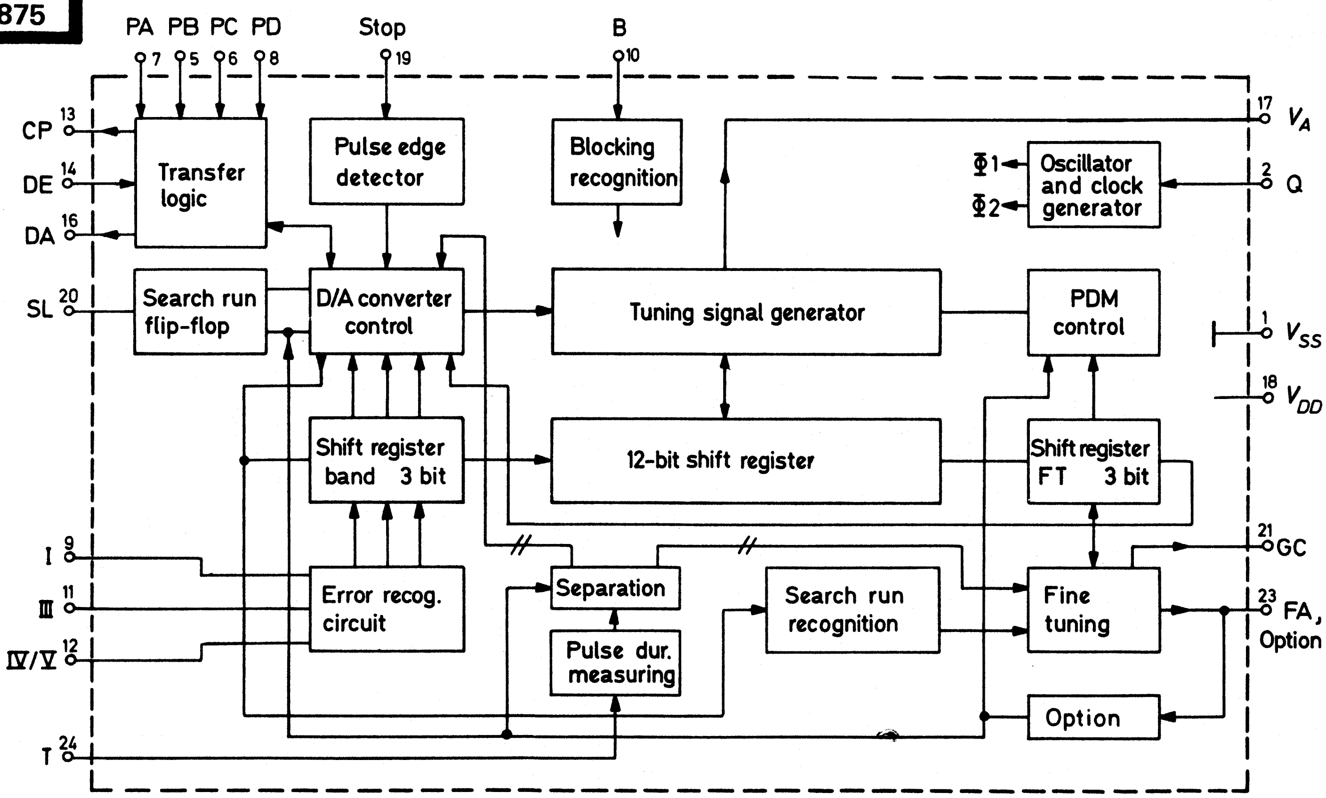


0.033 uF (5%)
22uF
6.2K 5%
1UF
TO PIN 8
270K
270K
0.1uF
0.33 uF
4700 pF 1%
7
4
3
2
330 Ω
340 Ω
NOISE REDUCTION
CONTROL AMP
NOISE REDUCTION .033 INPUT
.033 uF 1%
OFF
ON
6
9K
AMP
6.4K
2K
RECT.
V/I CONV.
+12V
47 K 5%
3.3K 1%
VAR. RESISTOR
8.2K
CLIPPER
V+
5
100 uF
100 uF
GND
1
8
V_{REF}
V_{REF}
100K
27K
SUMMING AMP
X1 BUFFER
INPUT
INPUT AMP
100 K
1 uF
9
3K
3K
OUTPUT AMP
16
OUTPUT
10
11
12
13
14
15
4.3K, 1%
10K 1%
10uF
DECODE
10K, 1%
ENCODE 1
2
S1
1.5K, 1%
10uF
100mV TEST POINT

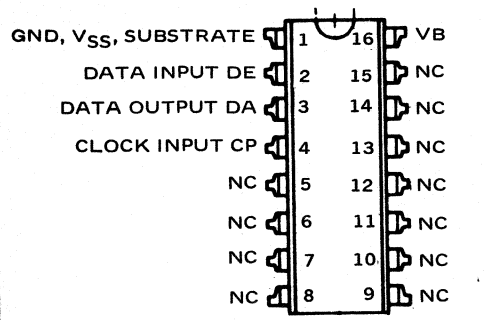
Z874


SUPPLY VOLTAGE V+
SPEED ADJUST
V+
MOTOR DRIVER INPUTS
(−)
(+)
PULSE TIMING
PULSE OUTPUT
TACHOMETER INPUTS
(+)
(−)
PULSE GENERATOR
COMPARATOR
D3
MOTOR DRIVE OUTPUTS
FREQUENCY TO VOLTAGE CONVERTER SECTION
MOTOR DRIVE SECTION
THERMAL SENSOR
OVER VOLTAGE SENSOR
STALL TIMING THRESHOLD AND LATCH
PROTECTIVE CIRCUITS
REGULATOR OUTPUT
VOLTAGE REGULATOR
VOLTAGE REGULATOR SECTION
STALL TIMER
V+

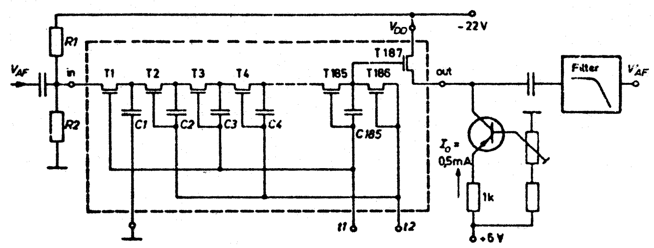
Z875


PA PB PC PD
Stop
B
CP
DE
DA
SL
Transfer logic
Pulse edge detector
Blocking recognition
Oscillator and clock generator
Φ1
Φ2
V_A
Q
Search run flip-flop
D/A converter control
Tuning signal generator
PDM control
V_{SS}
V_{DD}
Shift register band 3 bit
12-bit shift register
Shift register FT 3 bit
I
III
IV/V
T
Error recog. circuit
Separation
Pulse dur. measuring
Search run recognition
Fine tuning
Option
GC
FA, Option

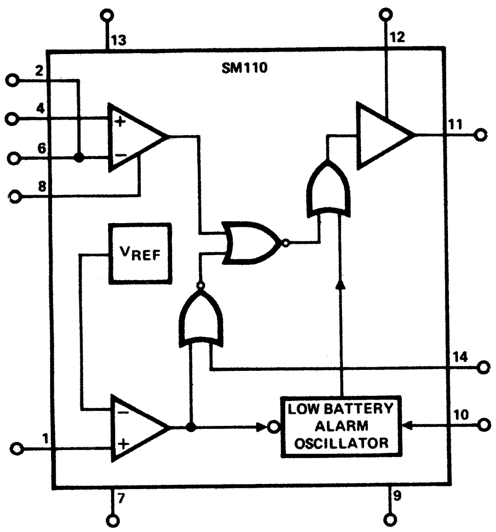
Z876

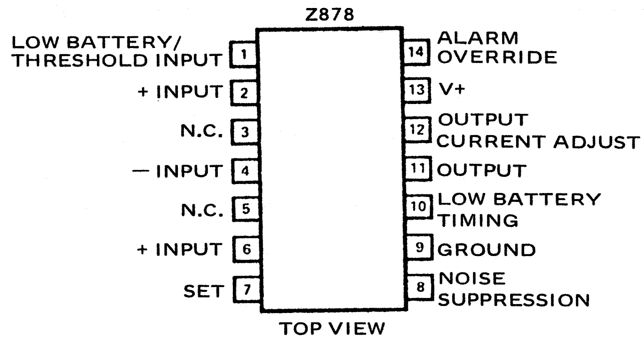


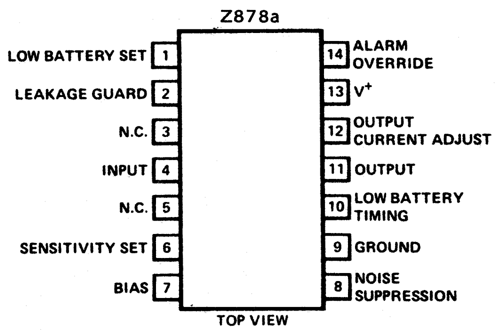
Z877



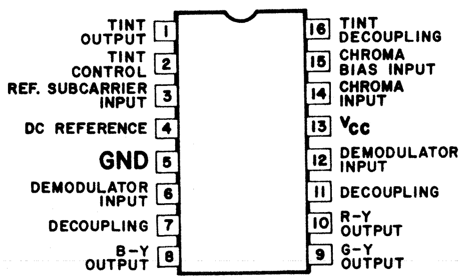
Z878



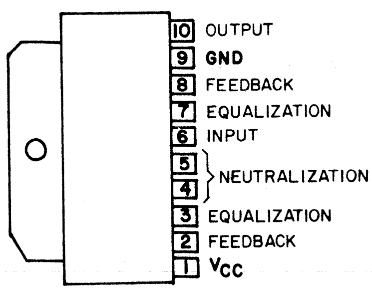




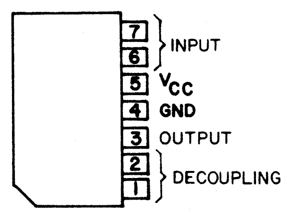
Z879



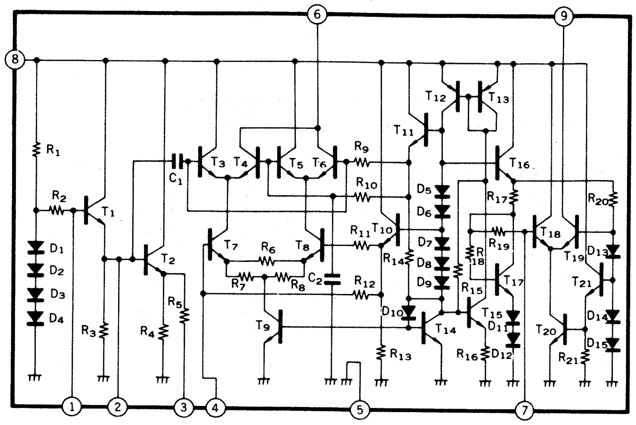
Z880



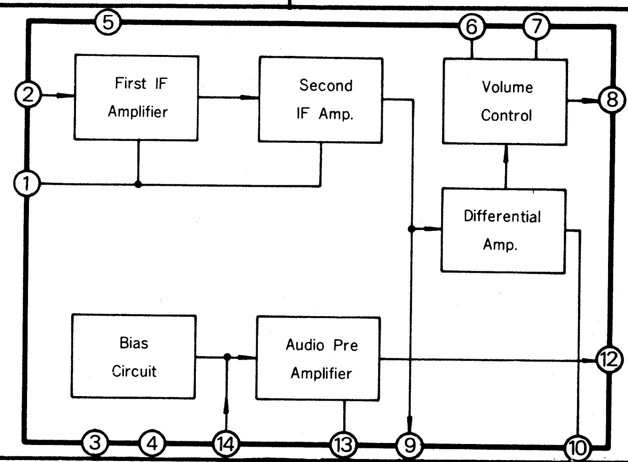
Z881



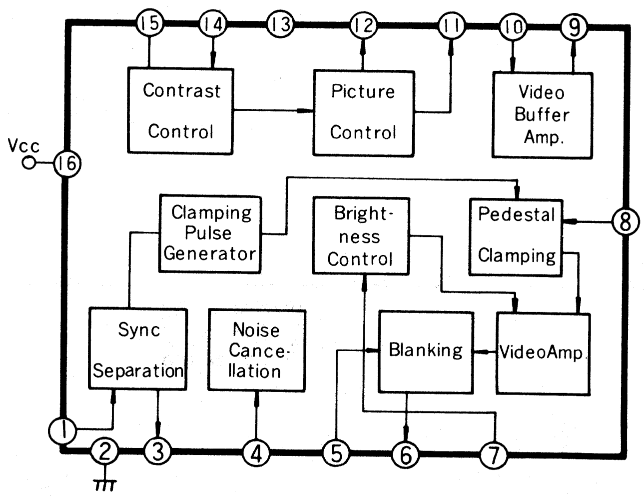
Z882



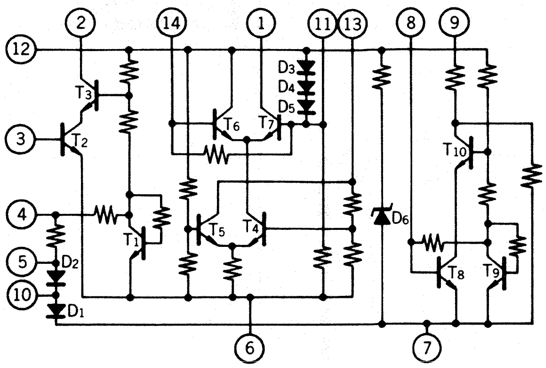
Z883



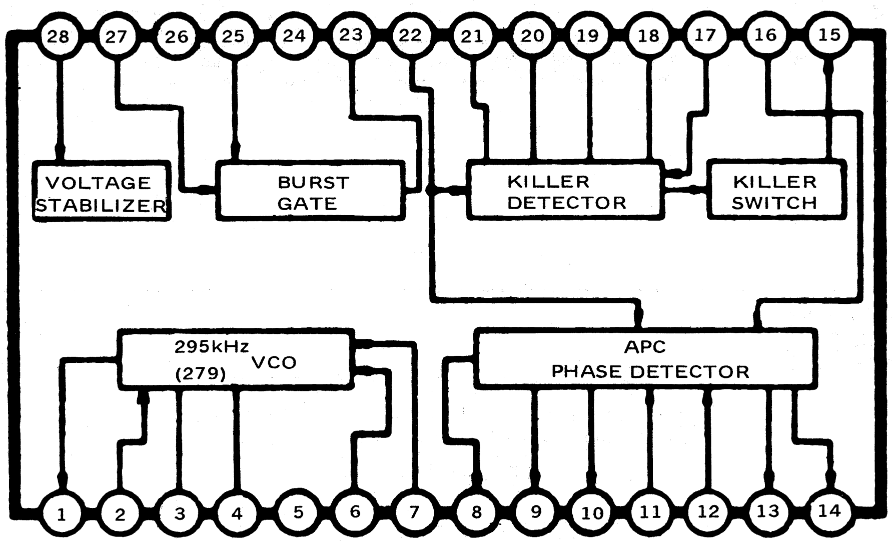
Z884



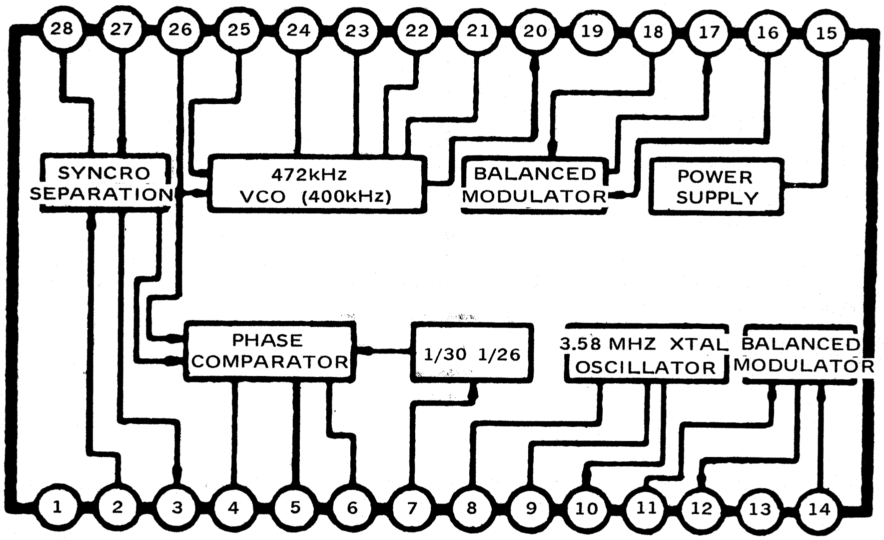
Z885


12
2
14
1
11
13
8
9
3
4
5
10
6
7
T3
T2
T1
T6
T7
T5
T4
T10
T8
T9
D1
D2
D3
D4
D5
D6

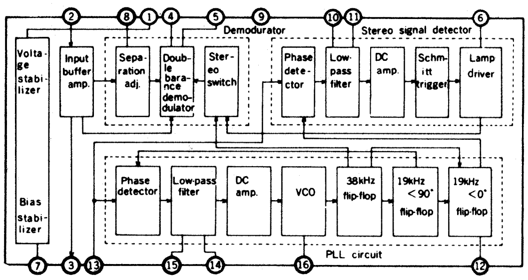
Z886


VOLTAGE STABILIZER
BURST GATE
KILLER DETECTOR
KILLER SWITCH
295kHz (279) VCO
APC PHASE DETECTOR
28
27
26
25
24
23
22
21
20
19
18
17
16
15
1
2
3
4
5
6
7
8
9
10
11
12
13
14

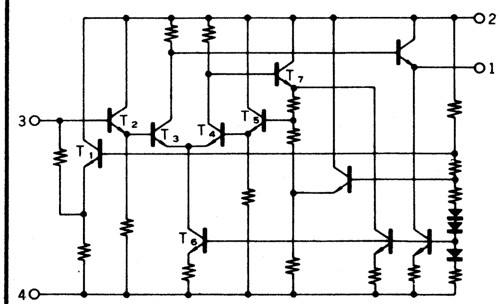
Z887



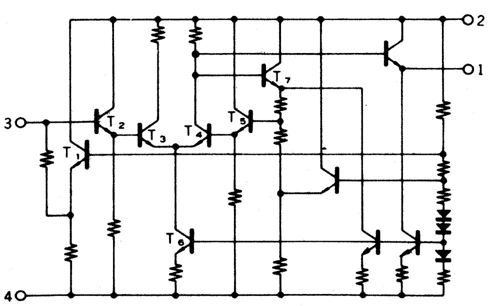
Z888



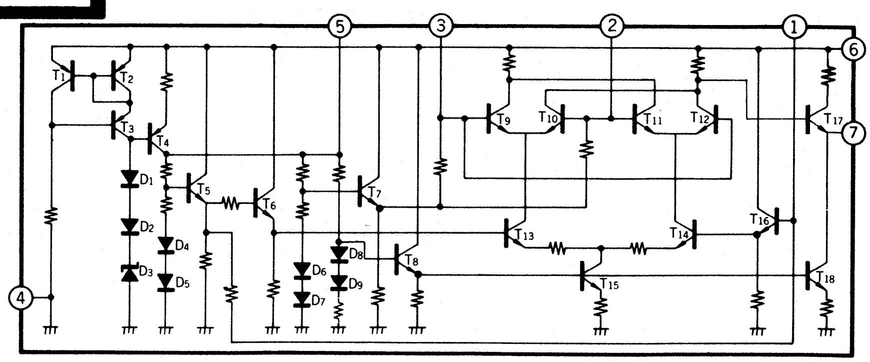
Z889



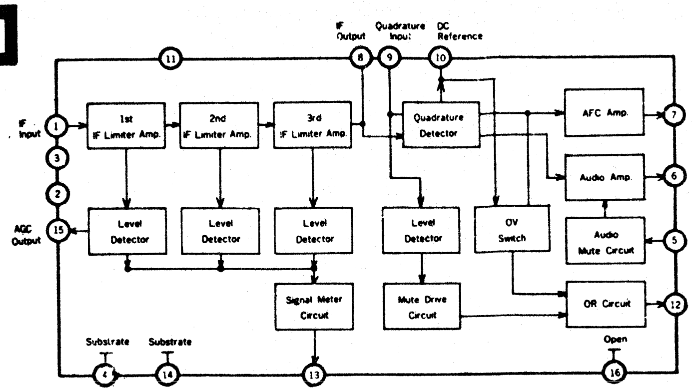
Z890



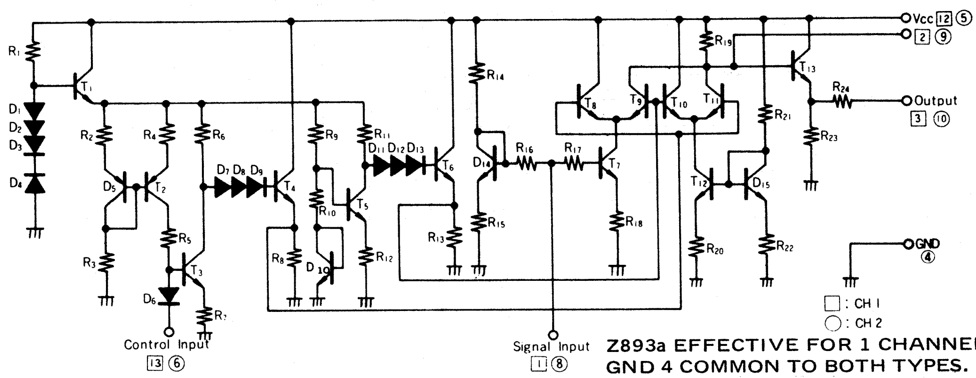
Z891



Z892

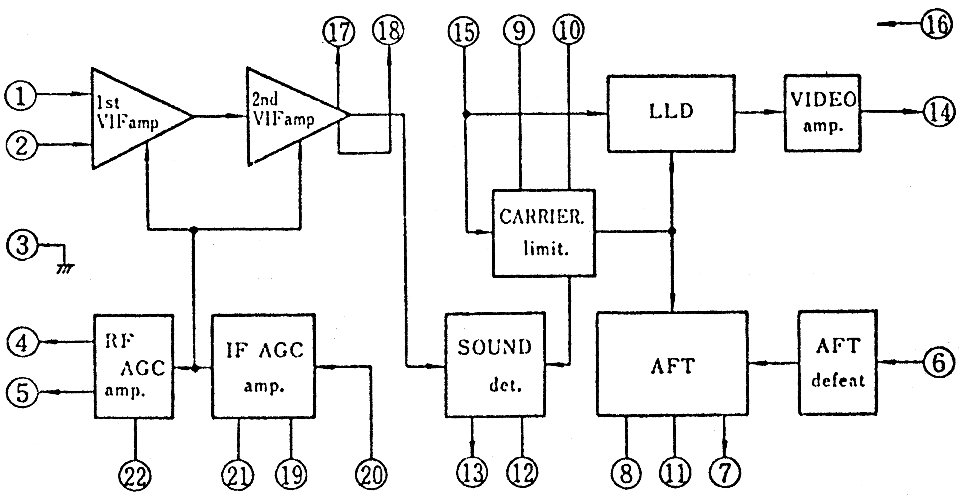


Z893

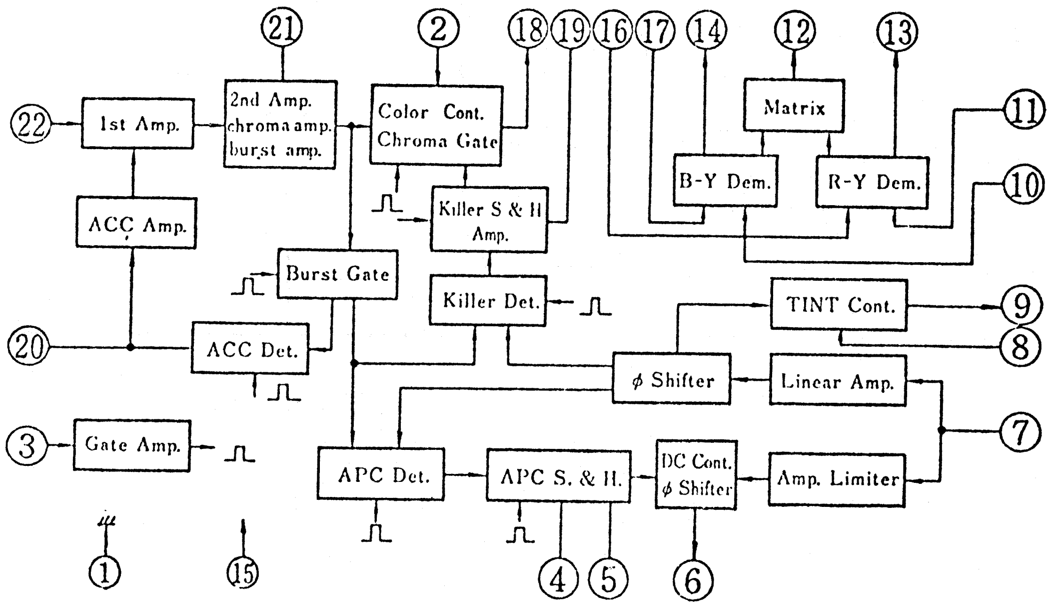


Z893a EFFECTIVE FOR 1 CHANNEL ONLY.
GND 4 COMMON TO BOTH TYPES.

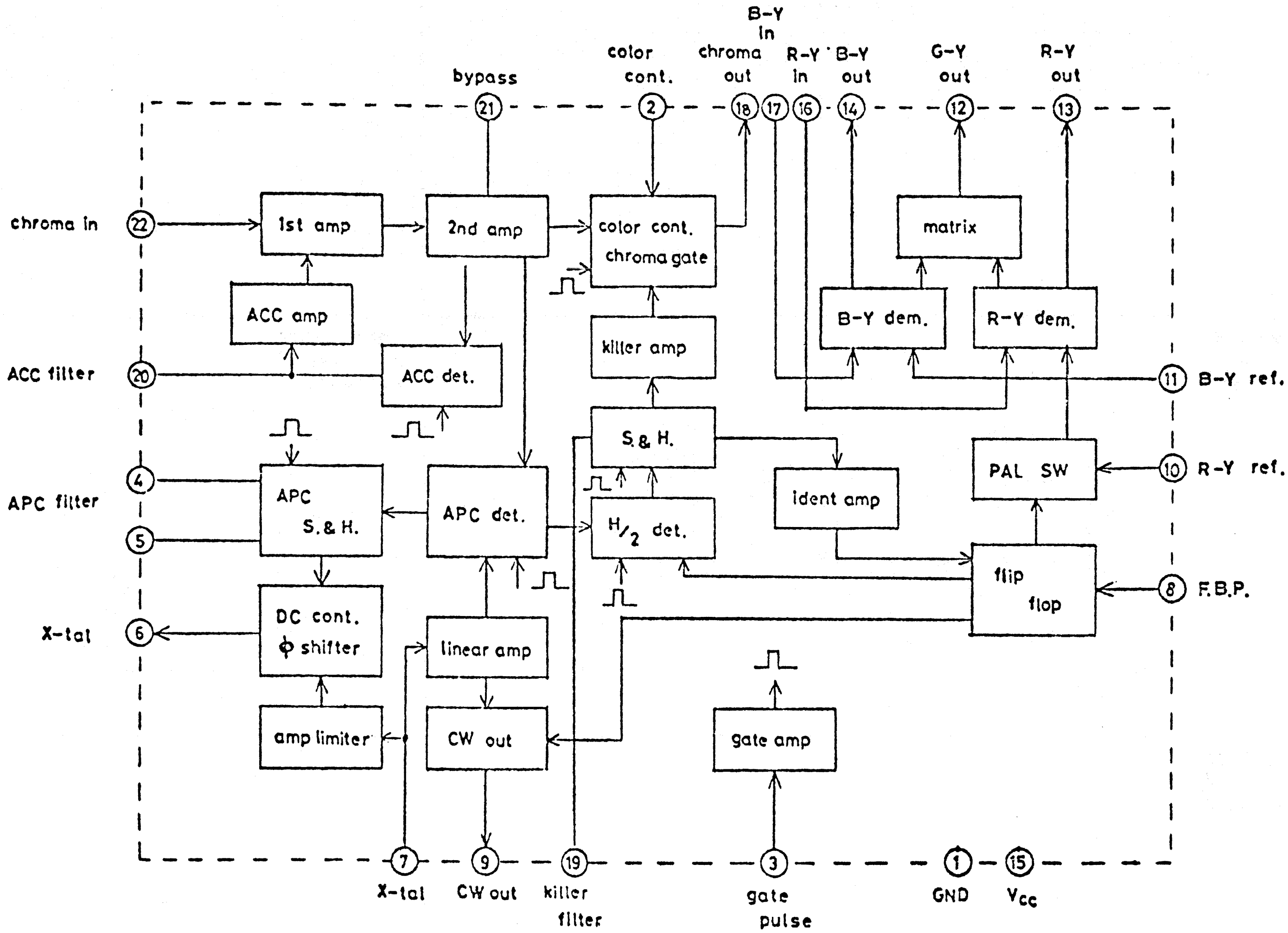
Z894



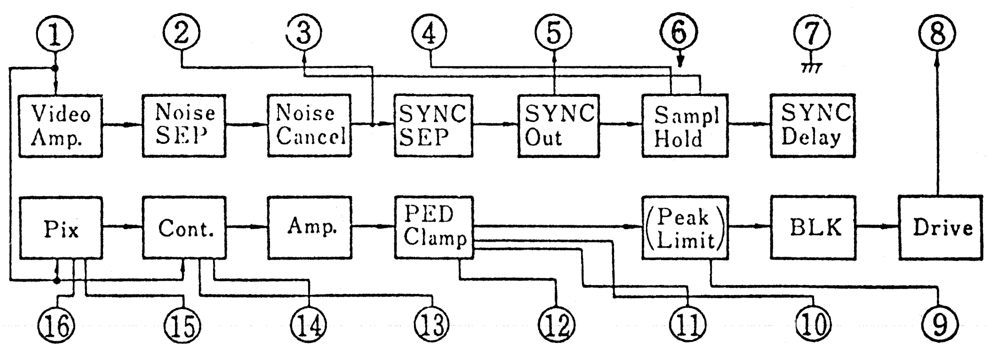
Z895


2nd Amp.
chroma amp.
burst amp.
1st Amp.
ACC Amp.
Color Cont.
Chroma Gate
Killer S & H Amp.
Burst Gate
Killer Det.
ACC Det.
Gate Amp.
APC Det.
APC S. & H.
DC Cont.
ϕ Shifter
Amp. Limiter
Linear Amp.
ϕ Shifter
TINT Cont.
Matrix
B-Y Dem.
R-Y Dem.

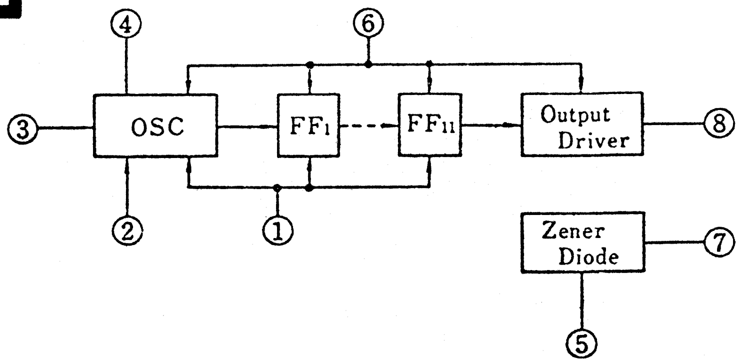
Z896


bypass
color cont.
B-Y in
chroma out
R-Y in
B-Y out
G-Y out
R-Y out
chroma in
1st amp
2nd amp
color cont. chroma gate
matrix
ACC amp
ACC filter
ACC det.
killer amp
B-Y dem.
R-Y dem.
B-Y ref.
S.& H.
APC S.& H.
APC det.
APC filter
H/2 det.
ident amp
PAL SW
R-Y ref.
flip flop
F.B.P.
X-tal
DC cont. ϕ shifter
linear amp
amp limiter
CW out
gate amp
X-tal
CW out
killer filter
gate pulse
GND
Vcc

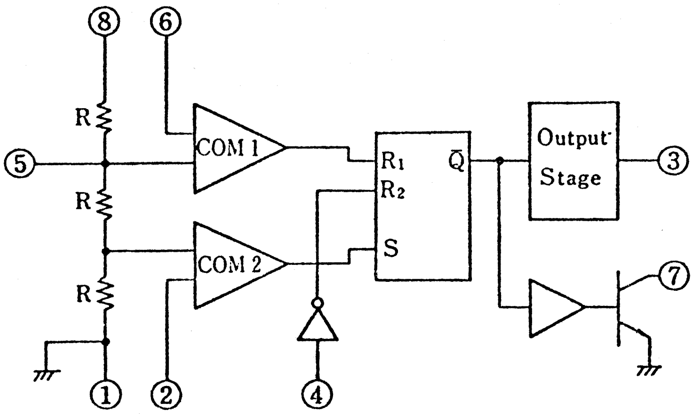
Z897


Video Amp.
Noise SEP
Noise Cancel
SYNC SEP
SYNC Out
Sampl Hold
SYNC Delay
Pix
Cont.
Amp.
PED Clamp
Peak Limit
BLK
Drive

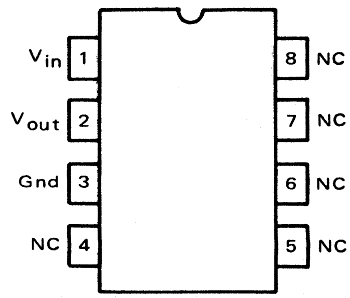
Z898



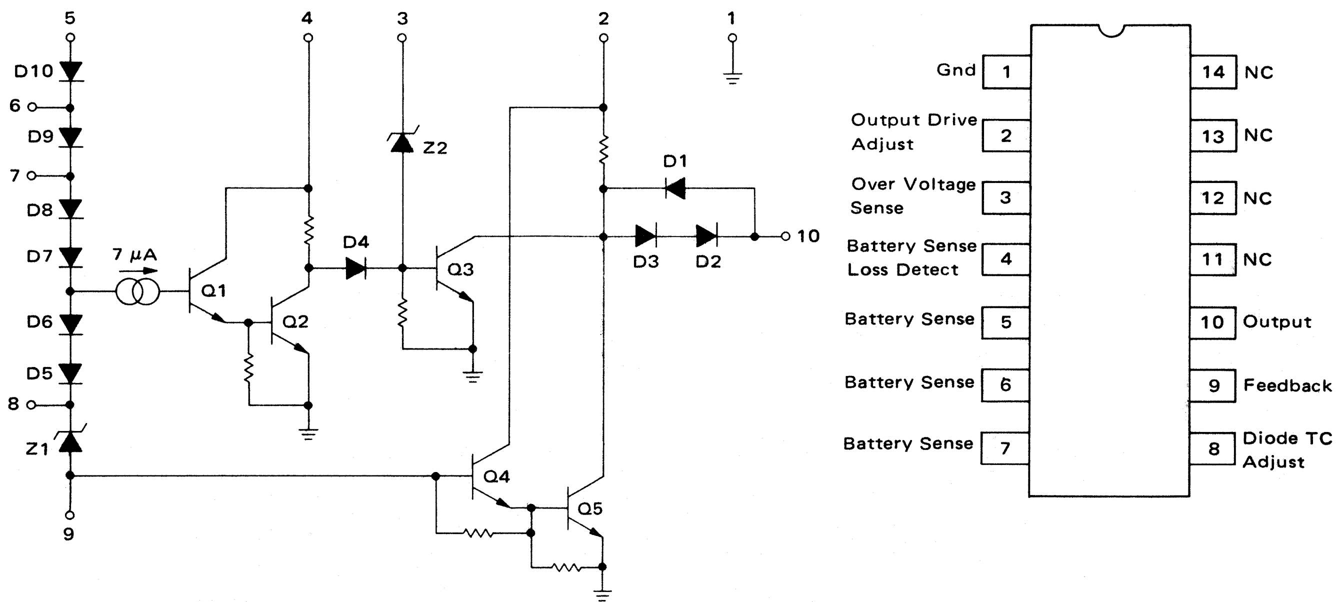
Z899



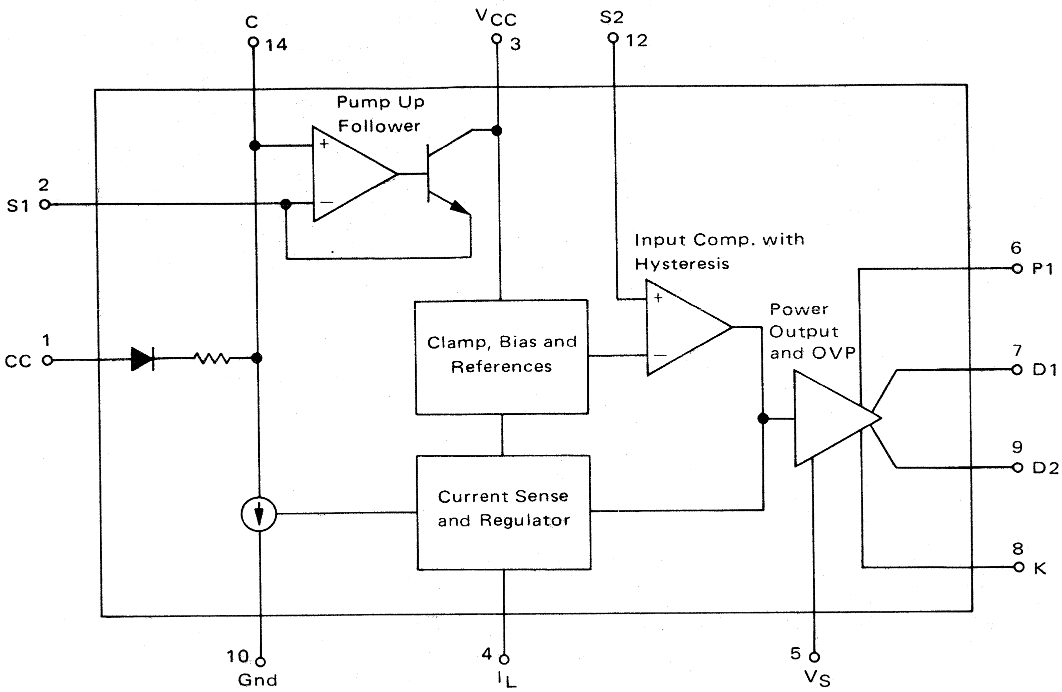
Z900



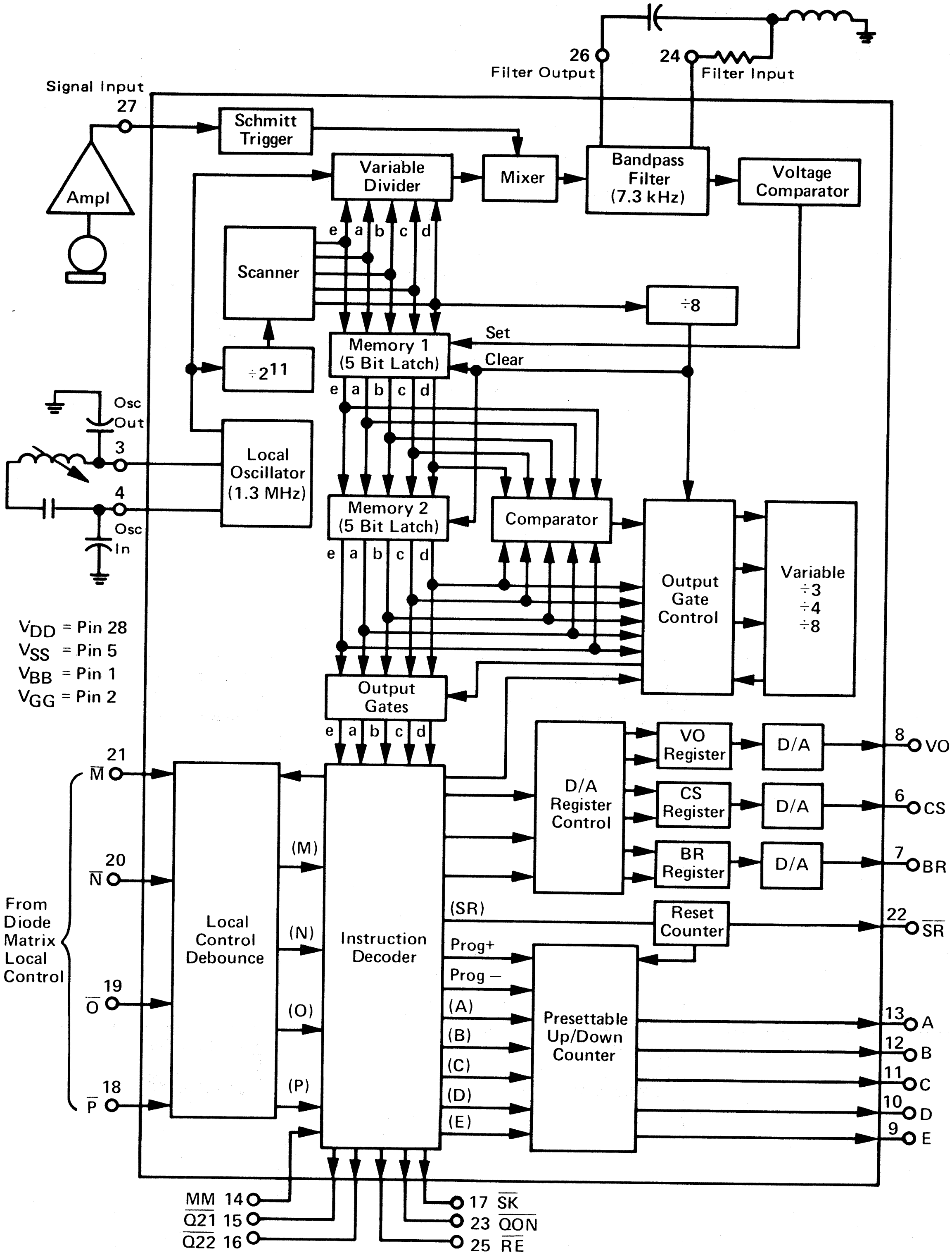
Z901



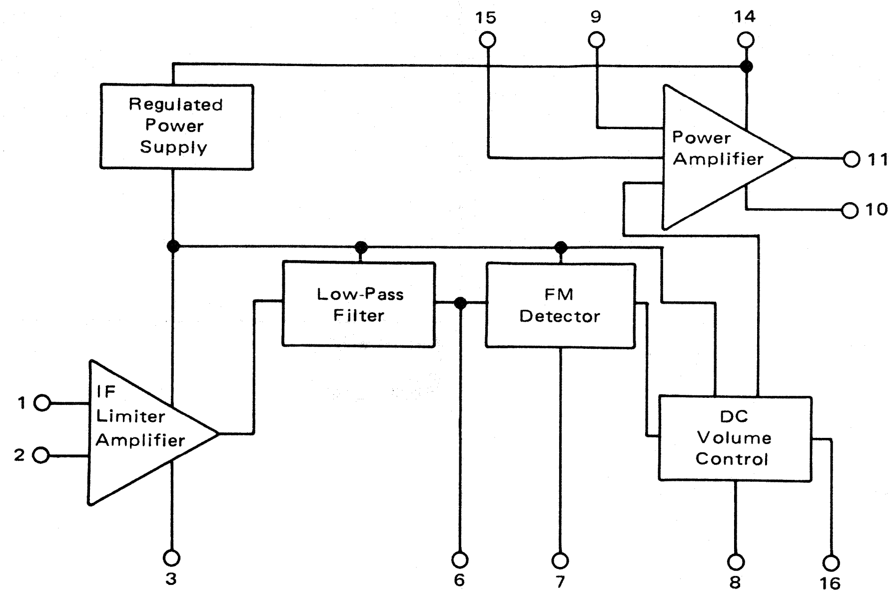
Z902

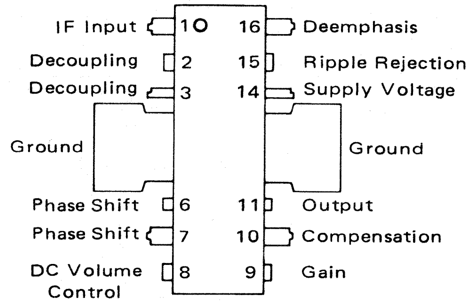

C
14
V_{CC}
3
S2
12
Pump Up Follower
2
S1
1
CC
Input Comp. with Hysteresis
Clamp, Bias and References
Power Output and OVP
Current Sense and Regulator
6
P1
7
D1
9
D2
8
K
10
Gnd
4
I_L
5
V_S

Z903


26 Filter Output
24 Filter Input
Signal Input 27
Schmitt Trigger
Variable Divider
Mixer
Bandpass Filter (7.3 kHz)
Voltage Comparator
Ampl
Scanner
e a b c d
÷8
Set
Clear
Memory 1 (5 Bit Latch)
÷2^11
Osc Out
3
4
Osc In
Local Oscillator (1.3 MHz)
Memory 2 (5 Bit Latch)
Comparator
Output Gate Control
Variable ÷3 ÷4 ÷8
VDD = Pin 28
VSS = Pin 5
VBB = Pin 1
VGG = Pin 2
Output Gates
21 M̄
20 N̄
19 Ō
18 P̄
From Diode Matrix Local Control
Local Control Debounce
(M)
(N)
(O)
(P)
Instruction Decoder
D/A Register Control
VO Register
CS Register
BR Register
D/A
8 VO
6 CS
7 BR
(SR)
Reset Counter
22 SR̄
Prog+
Prog –
(A)
(B)
(C)
(D)
(E)
Presettable Up/Down Counter
13 A
12 B
11 C
10 D
9 E
MM 14
Q̄21 15
Q̄22 16
17 SK̄
23 QŌN̄
25 RĒ

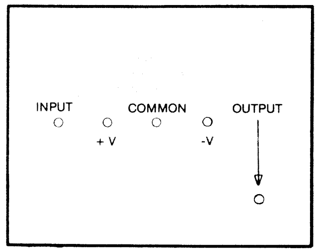
Z904





Z905

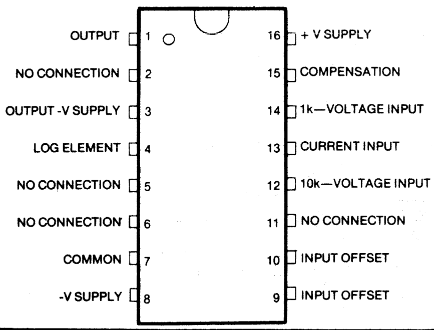
BOTTOM VIEW:



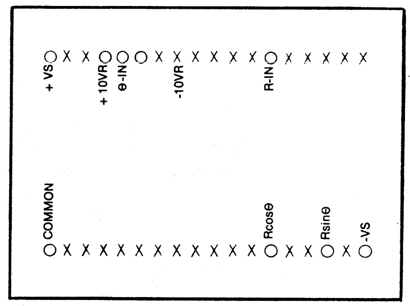
This view is looking at the side with the pins.

Z906

TOP VIEW: This view is of the labeled side with the pins extending below.



Z907

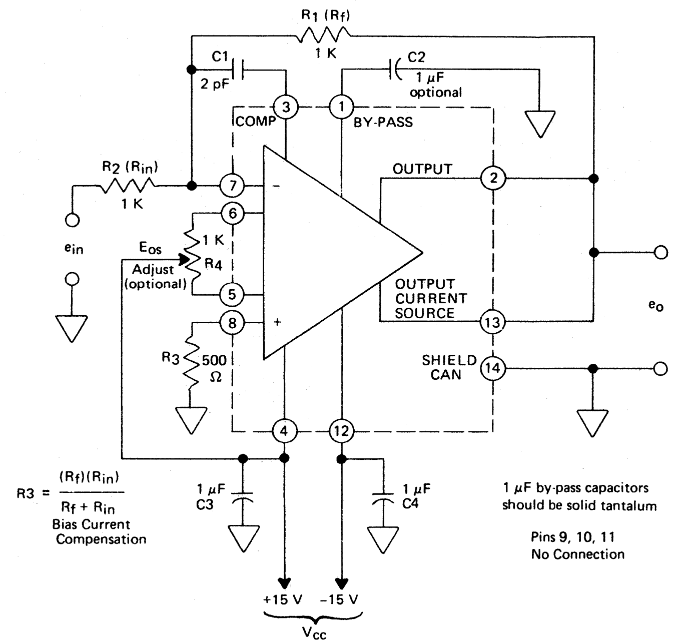


TOP VIEW: This view is of the label side with the pins below.
X-refers to pins that are missing.

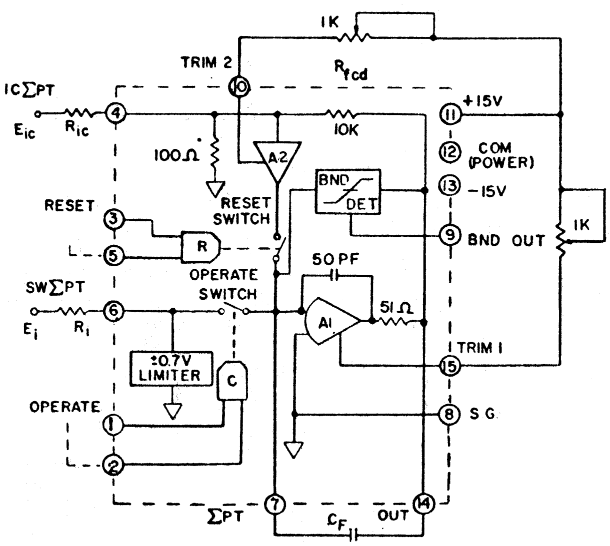
Z908

	PIN FUNCTIONS							
	-VCC OUT	+VCC OUT	COM	NO PIN	5V-OUT	5V+OUT	NC	VCC COM
Z908	1	5	3	2,4				
Z908a				2,4	3	5	1	
Z908b	1	5			2	4		3

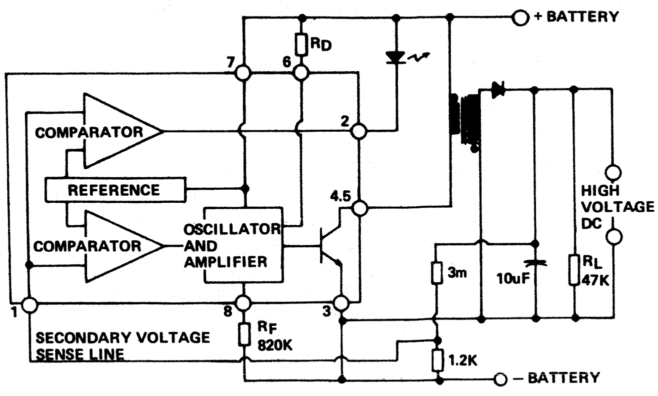
Z909


R1 (Rf)
1 K
C1
2 pF
C2
1 μF
optional
COMP
BY-PASS
R2 (Rin)
1 K
OUTPUT
ein
Eos
Adjust
(optional)
1 K
R4
OUTPUT
CURRENT
SOURCE
eo
R3
500
Ω
SHIELD
CAN
R3 = (Rf)(Rin) / Rf + Rin
Bias Current
Compensation
1 μF
C3
1 μF
C4
1 μF by-pass capacitors
should be solid tantalum
Pins 9, 10, 11
No Connection
+15 V
-15 V
Vcc

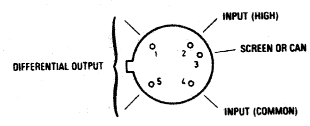
Z910


1K
TRIM 2
Rfcd
IC∑PT
Eic
Ric
10K
+15V
100Ω
A2
COM
(POWER)
-15V
BND
DET
RESET
RESET
SWITCH
BND OUT
1K
R
L
OPERATE
SWITCH
50 PF
SW∑PT
Ei
Ri
A1
51Ω
TRIM 1
±0.7V
LIMITER
C
OPERATE
S G.
∑PT
CF
OUT

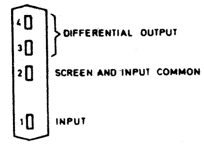
Z911



Z912

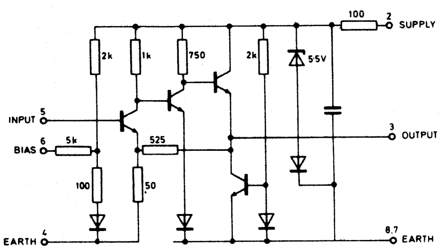


Z912

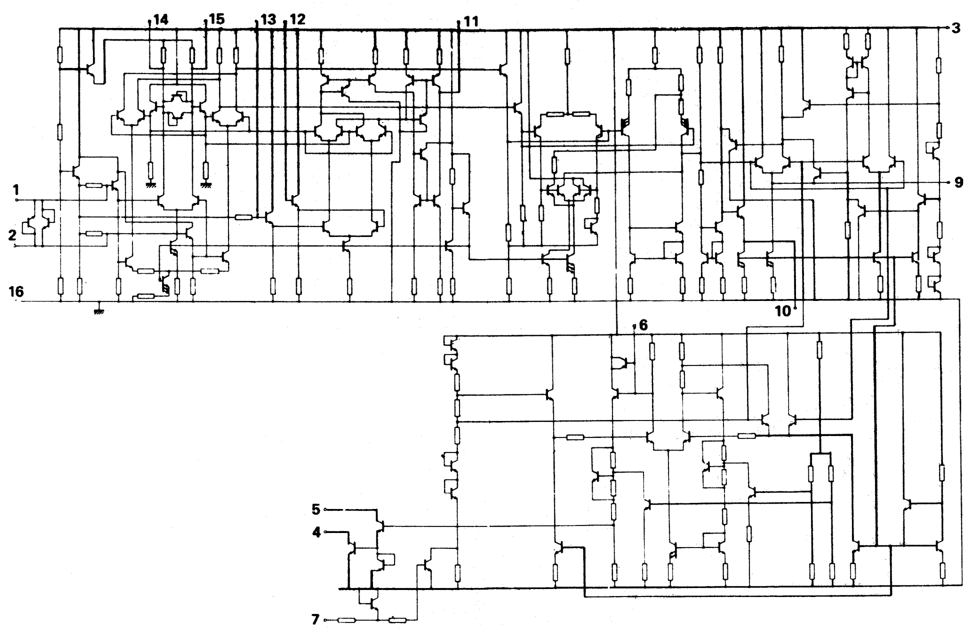


Z912a

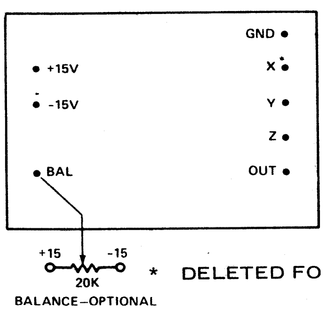
Z913



Z914

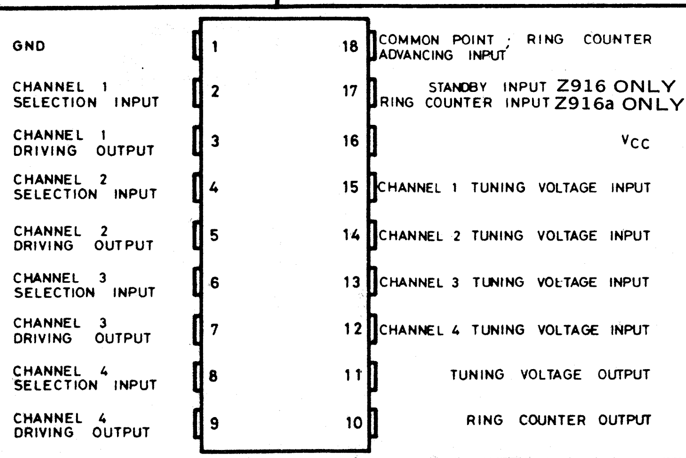


Z915

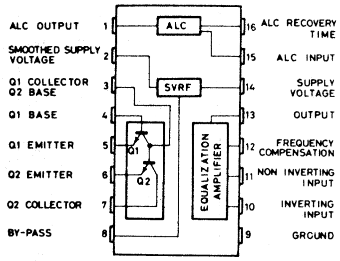


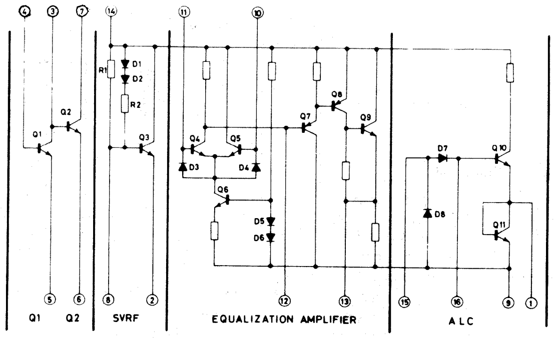
* DELETED FOR Z915a

Z916

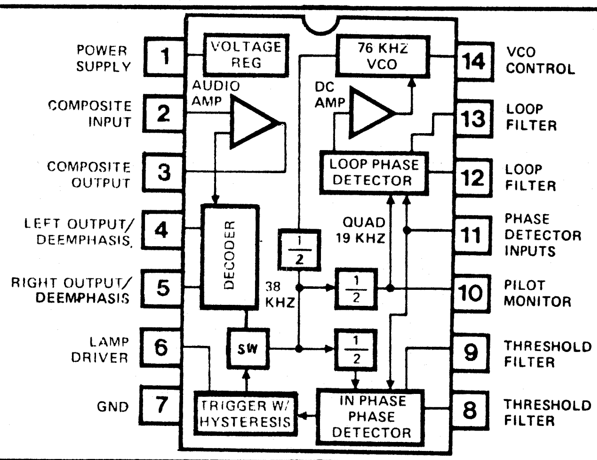


Z917

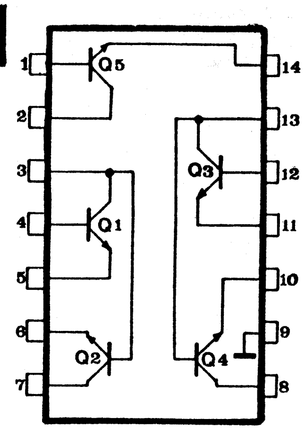




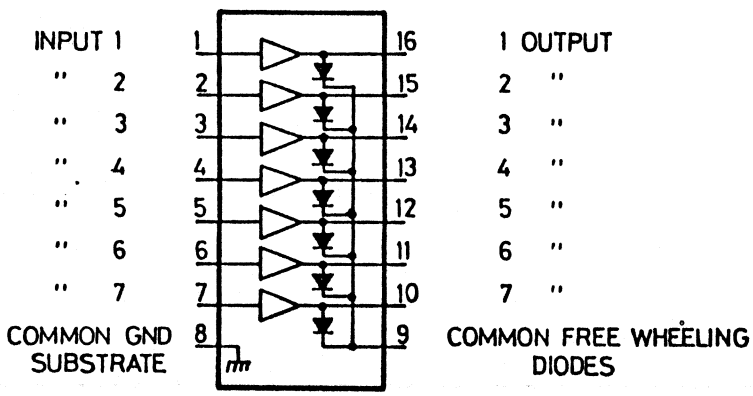
Z918

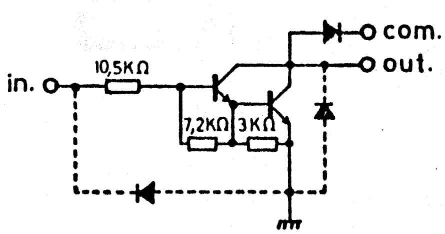


Z919



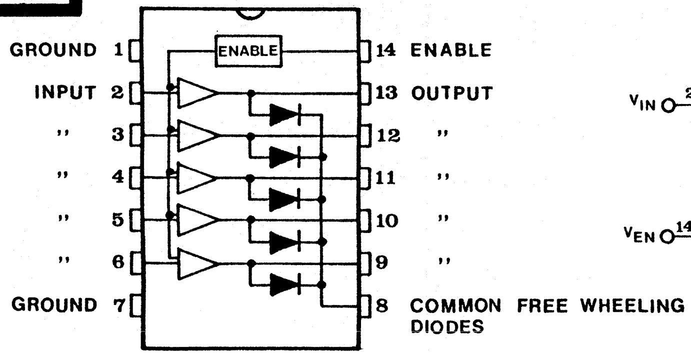
Z920

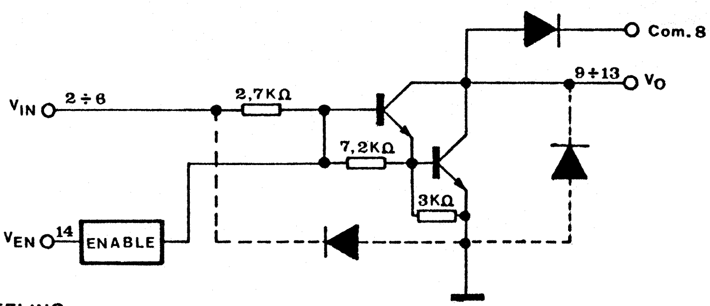




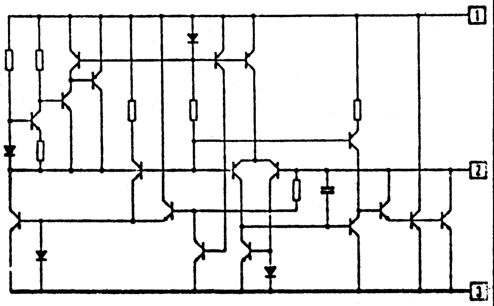
L 204
(Each driver)

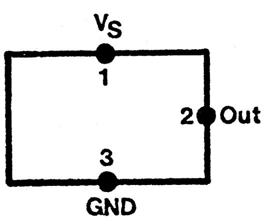
Z921



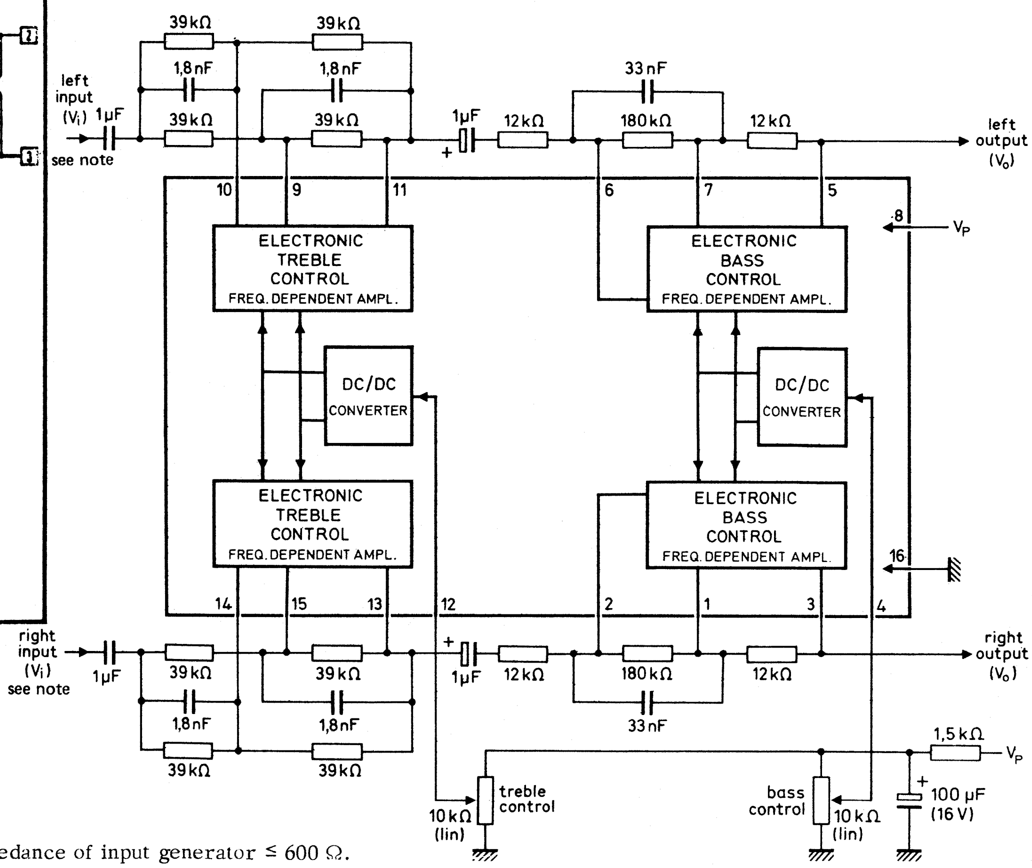


Z922



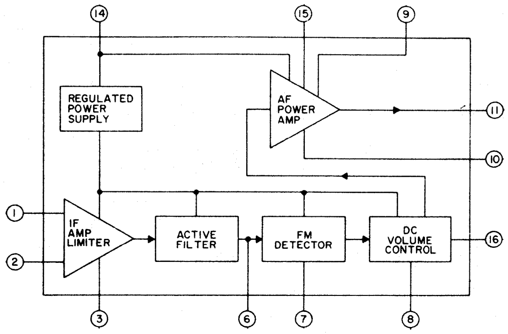


Z923

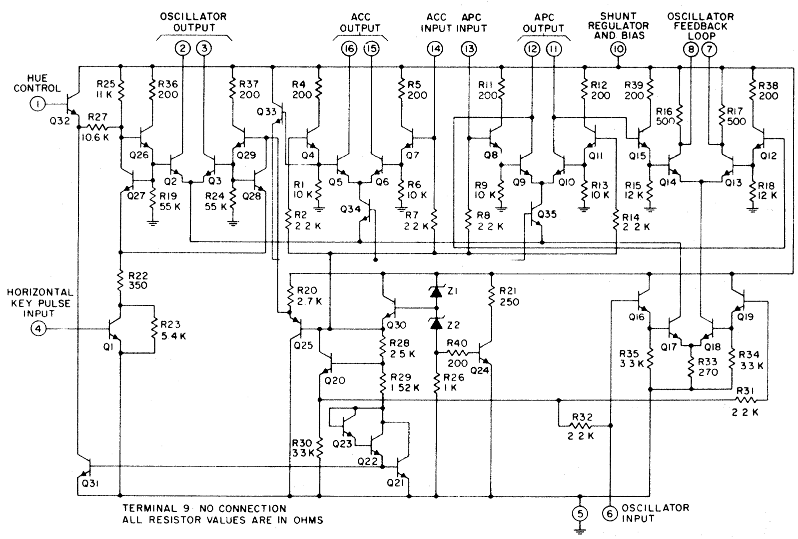


Note: series impedance of input generator ≤ 600 Ω.

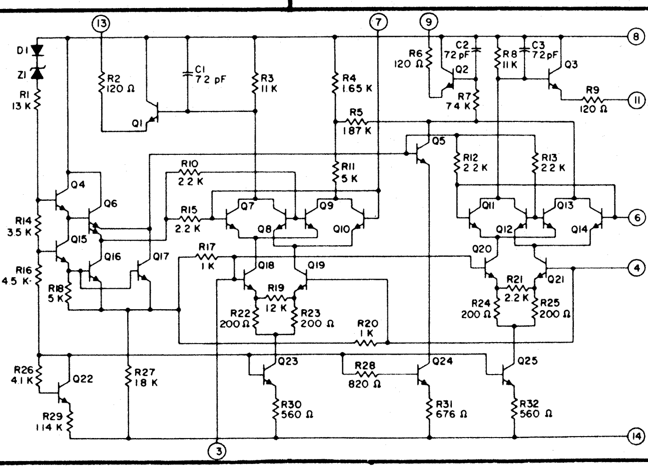
Z924



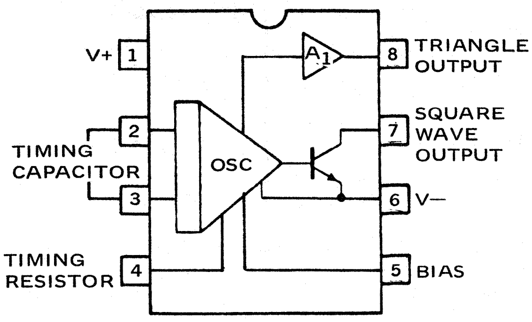
Z925



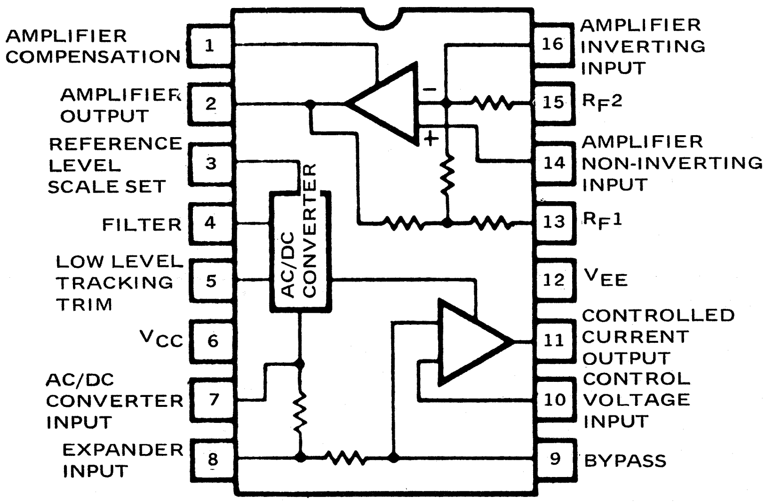
Z926



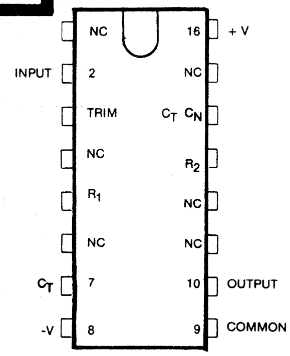
Z927



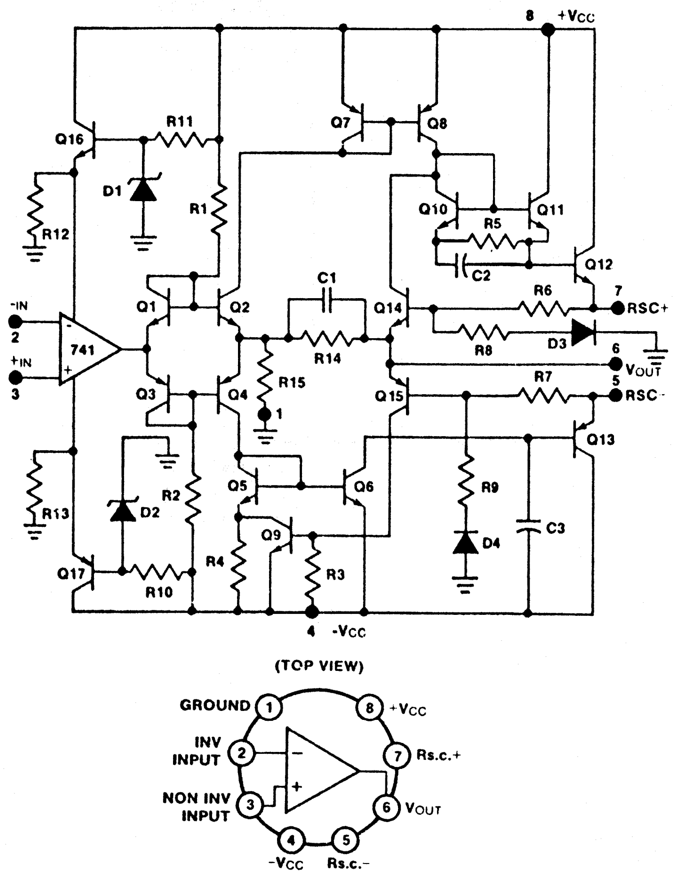
Z928



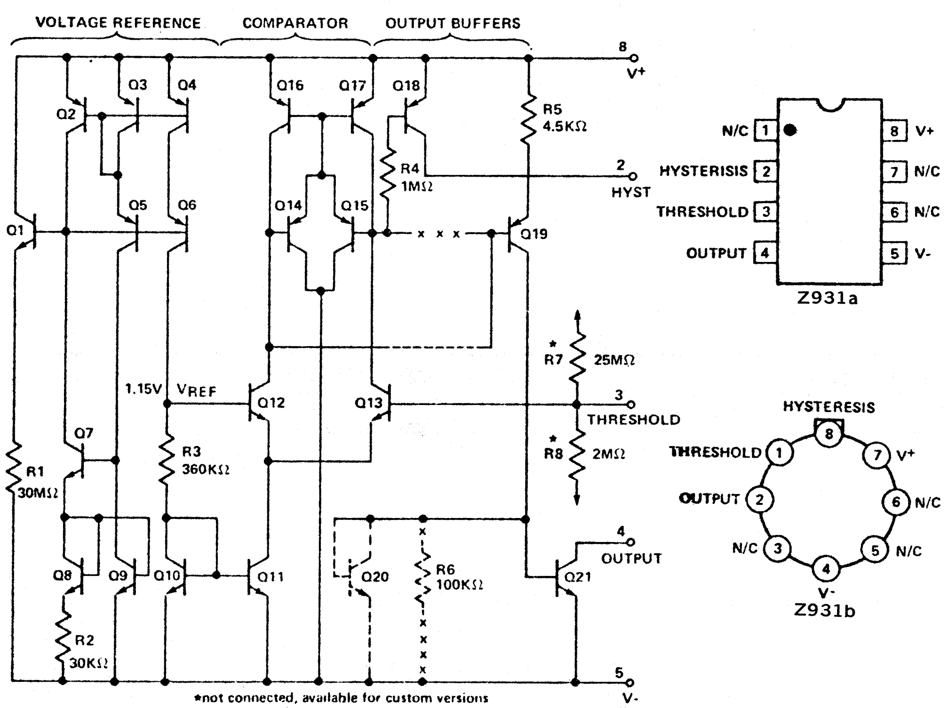
Z929



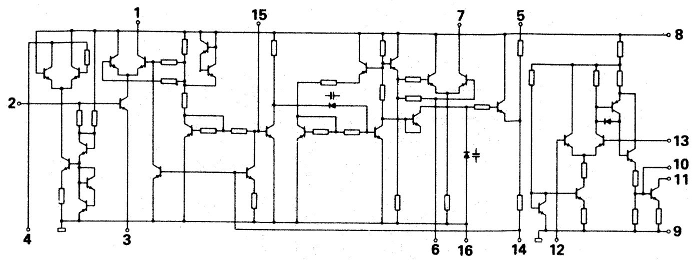
Z930


8 +VCC
Q16
R11
Q7
Q8
D1
R1
R12
Q10
Q11
R5
C2
Q12
C1
R6
7 RSC+
-IN
2
Q1
Q2
Q14
741
R14
R8
D3
+IN
3
R15
6 VOUT
Q3
Q4
Q15
R7
5 RSC-
1
Q13
Q5
Q6
R13
D2
R2
R9
C3
Q9
D4
R4
R3
Q17
R10
4 -VCC
(TOP VIEW)
GROUND
+VCC
INV INPUT
Rs.c.+
NON INV INPUT
VOUT
-VCC
Rs.c.-

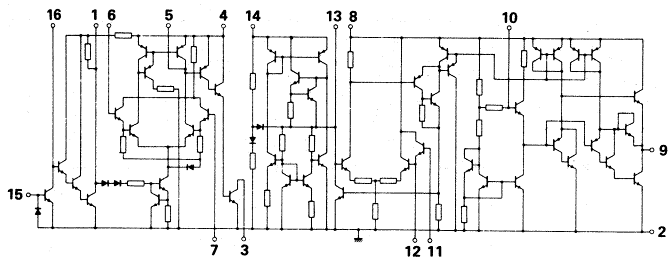
Z931


VOLTAGE REFERENCE
COMPARATOR
OUTPUT BUFFERS
8 V+
Q3
Q4
Q16
Q17
Q18
Q2
R5 4.5KΩ
R4 1MΩ
2 HYST
Q5
Q6
Q14
Q15
Q1
Q19
R7 25MΩ
1.15V
VREF
Q12
Q13
3 THRESHOLD
Q7
R3 360KΩ
R8 2MΩ
R1 30MΩ
4 OUTPUT
Q8
Q9
Q10
Q11
Q20
R6 100KΩ
Q21
R2 30KΩ
5 V-
*not connected, available for custom versions
N/C
HYSTERISIS
THRESHOLD
OUTPUT
V+
N/C
N/C
V-
Z931a
HYSTERESIS
THRESHOLD
V+
OUTPUT
N/C
N/C
N/C
V-
Z931b

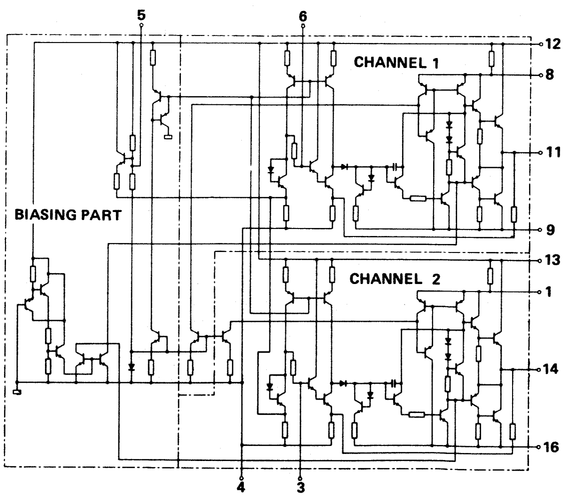
Z932



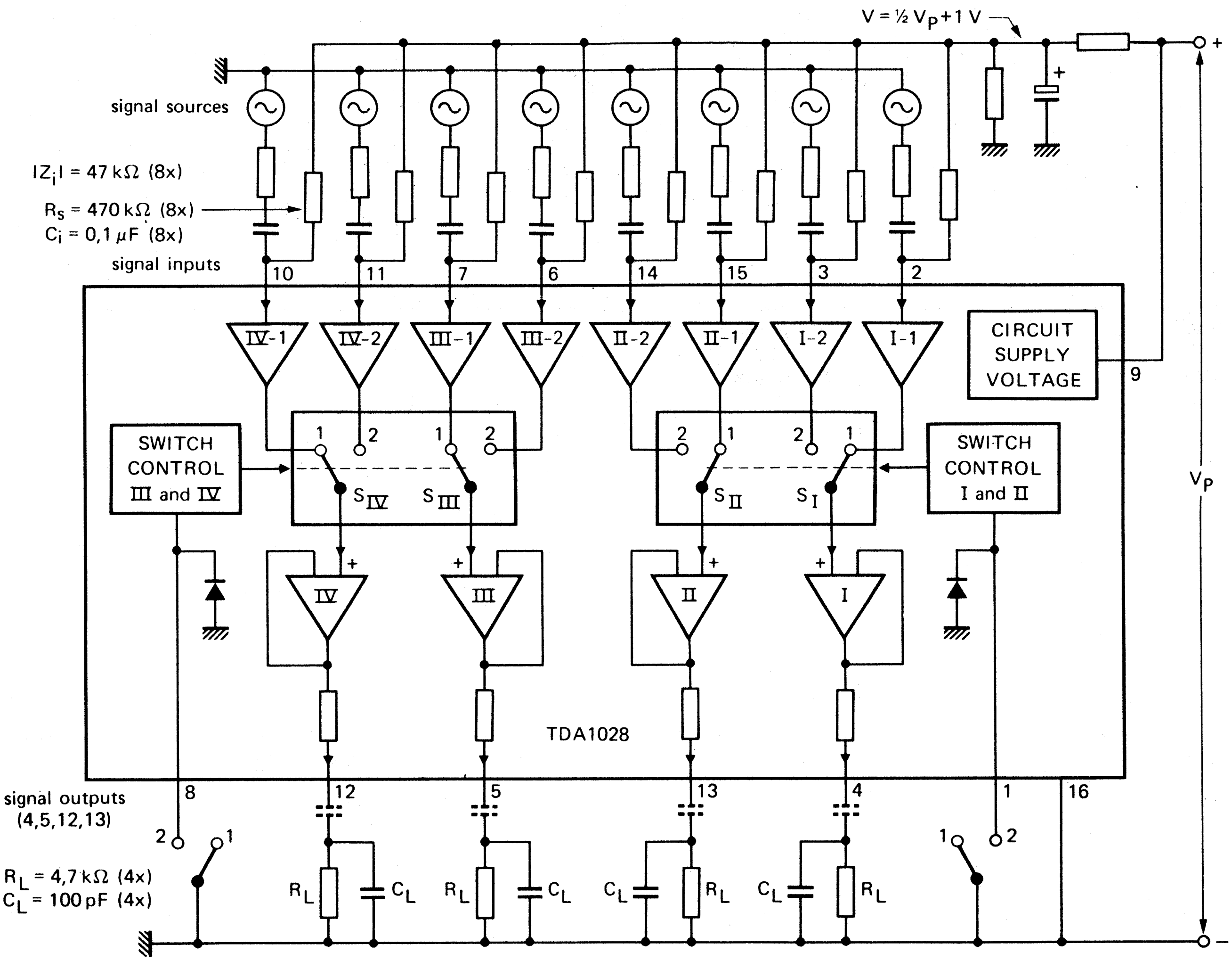
Z933



Z935

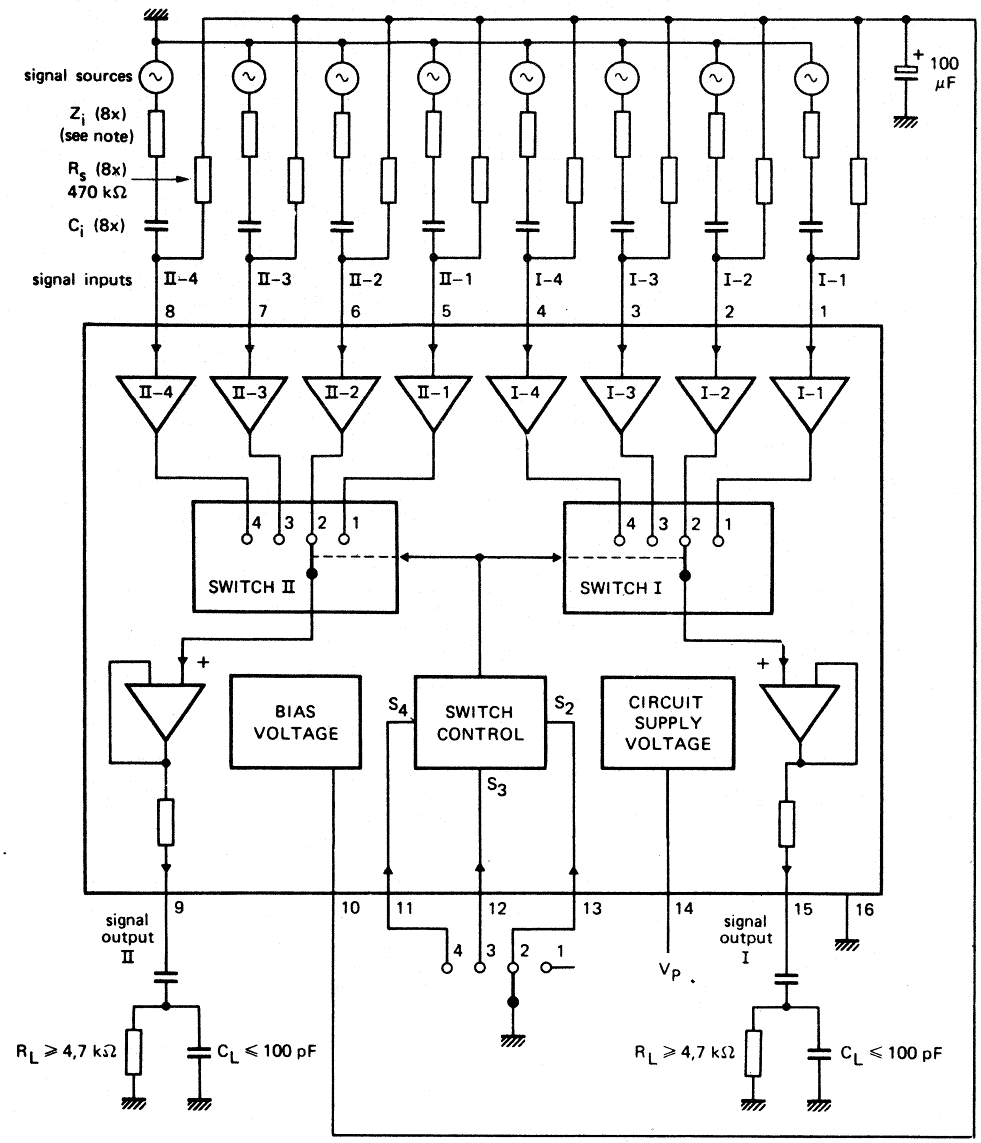


Z936



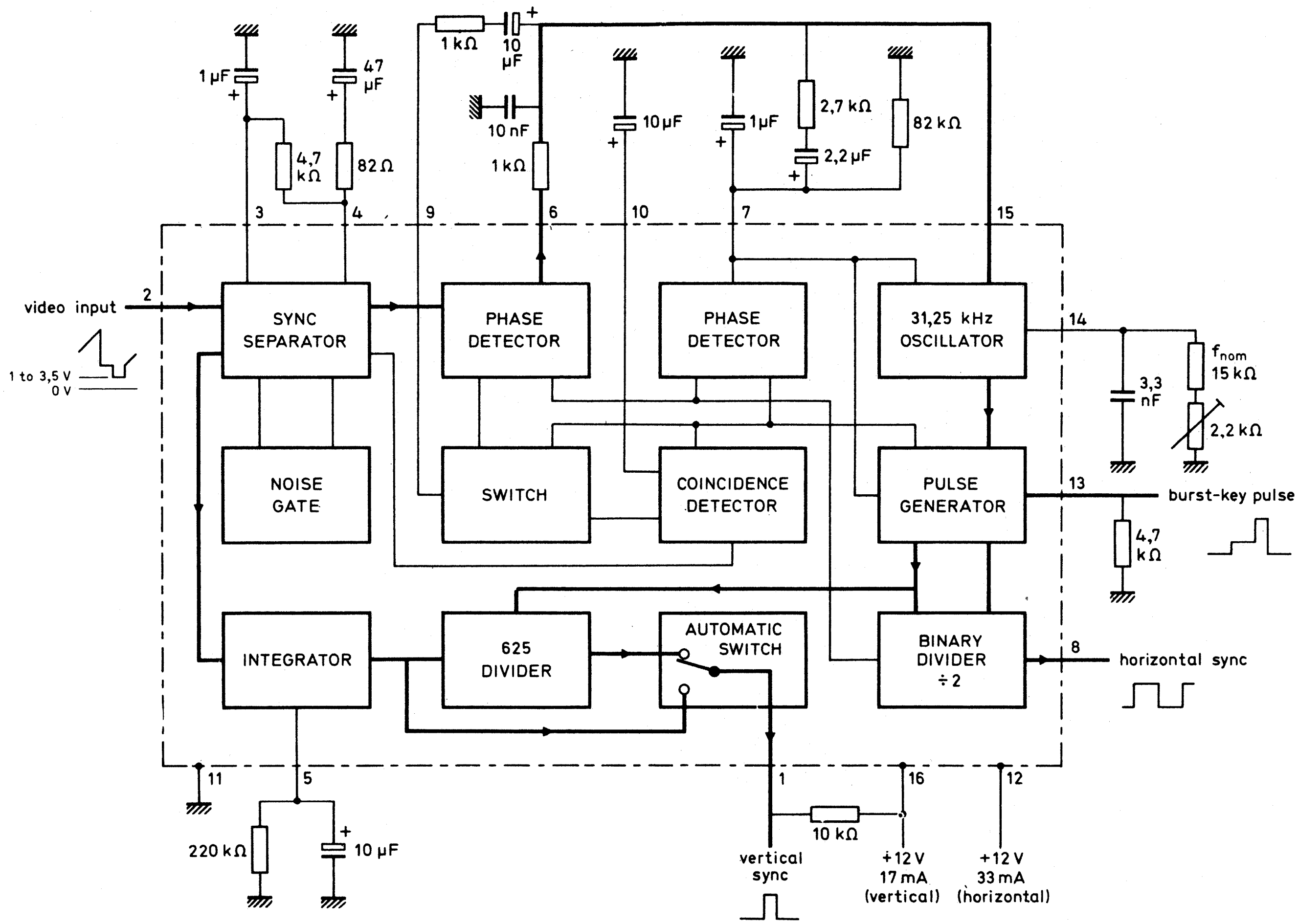
V = ½ V_P + 1 V
signal sources
|Z_i| = 47 kΩ (8x)
R_s = 470 kΩ (8x)
C_i = 0,1 μF (8x)
signal inputs
10
11
7
6
14
15
3
2
IV-1
IV-2
III-1
III-2
II-2
II-1
I-2
I-1
CIRCUIT SUPPLY VOLTAGE
9
SWITCH CONTROL III and IV
SWITCH CONTROL I and II
S_IV
S_III
S_II
S_I
V_P
IV
III
II
I
TDA1028
signal outputs (4,5,12,13)
8
12
5
13
4
1
16
R_L = 4,7 kΩ (4x)
C_L = 100 pF (4x)
R_L
C_L

Z937



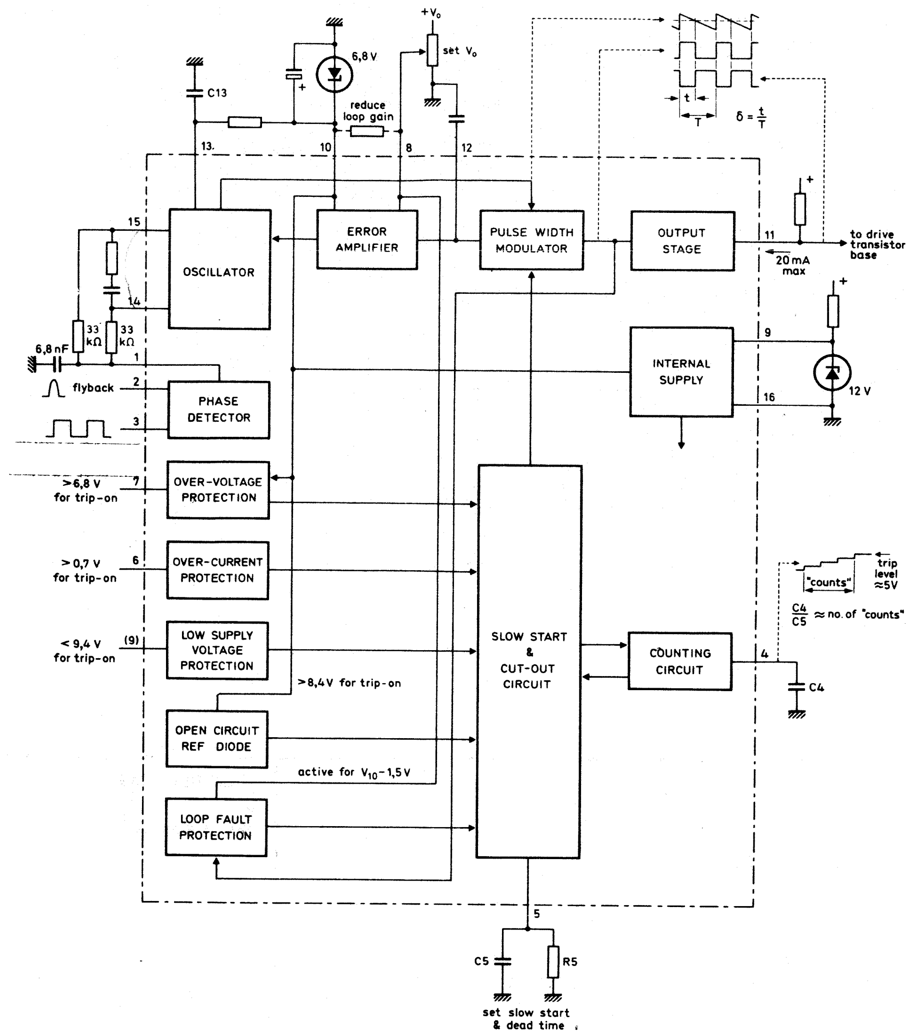
Note: $|Z_i|$= 47 kΩ in parallel with 200 pF.

Z938

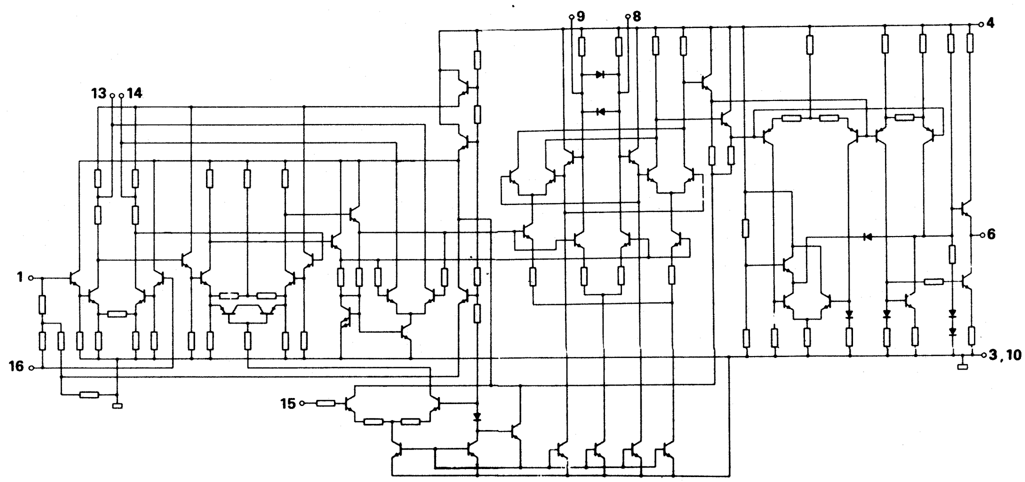


video input
1 to 3,5 V
0 V
SYNC SEPARATOR
PHASE DETECTOR
PHASE DETECTOR
31,25 kHz OSCILLATOR
NOISE GATE
SWITCH
COINCIDENCE DETECTOR
PULSE GENERATOR
INTEGRATOR
625 DIVIDER
AUTOMATIC SWITCH
BINARY DIVIDER ÷ 2
1 µF
47 µF
4,7 kΩ
82 Ω
1 kΩ
10 µF
10 nF
1 kΩ
10 µF
1 µF
2,7 kΩ
2,2 µF
82 kΩ
3,3 nF
f_{nom} 15 kΩ
2,2 kΩ
burst-key pulse
4,7 kΩ
horizontal sync
220 kΩ
10 µF
10 kΩ
vertical sync
+12 V 17 mA (vertical)
+12 V 33 mA (horizontal)

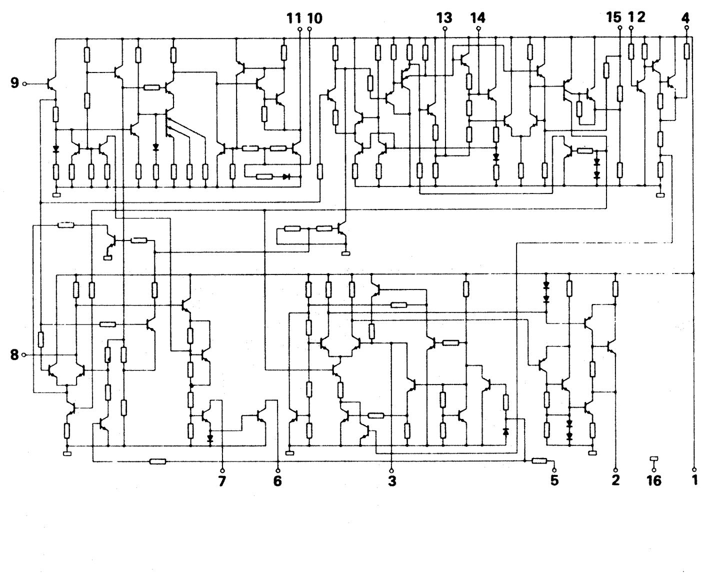
Z939


+V₀
set V₀
6,8 V
C13
reduce loop gain
13.
10
8
12
δ = t/T
15
14
OSCILLATOR
ERROR AMPLIFIER
PULSE WIDTH MODULATOR
OUTPUT STAGE
11
to drive transistor base
20 mA max
33 kΩ
33 kΩ
6,8 nF
1
flyback
2
3
PHASE DETECTOR
INTERNAL SUPPLY
9
16
12 V
>6,8 V for trip-on
7
OVER-VOLTAGE PROTECTION
>0,7 V for trip-on
6
OVER-CURRENT PROTECTION
trip level ≈5V
"counts"
C4/C5 ≈ no. of "counts"
<9,4 V for trip-on
(9)
LOW SUPPLY VOLTAGE PROTECTION
SLOW START & CUT-OUT CIRCUIT
COUNTING CIRCUIT
4
C4
>8,4V for trip-on
OPEN CIRCUIT REF DIODE
active for V10-1,5V
LOOP FAULT PROTECTION
5
C5
R5
set slow start & dead time

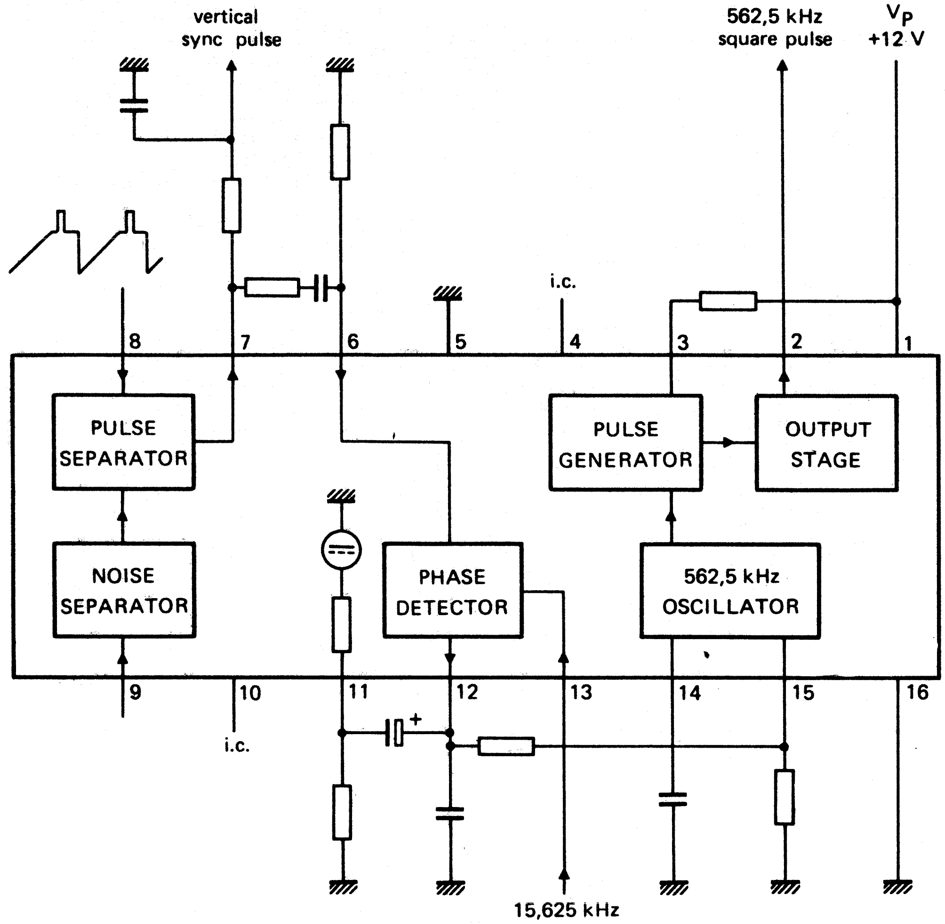
Z940



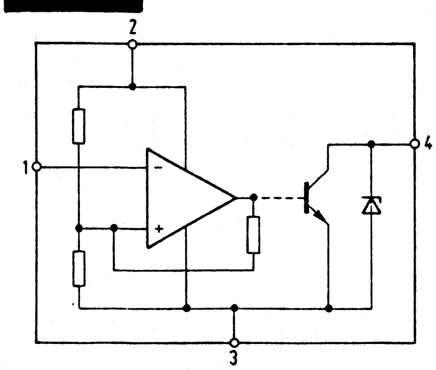
Z941



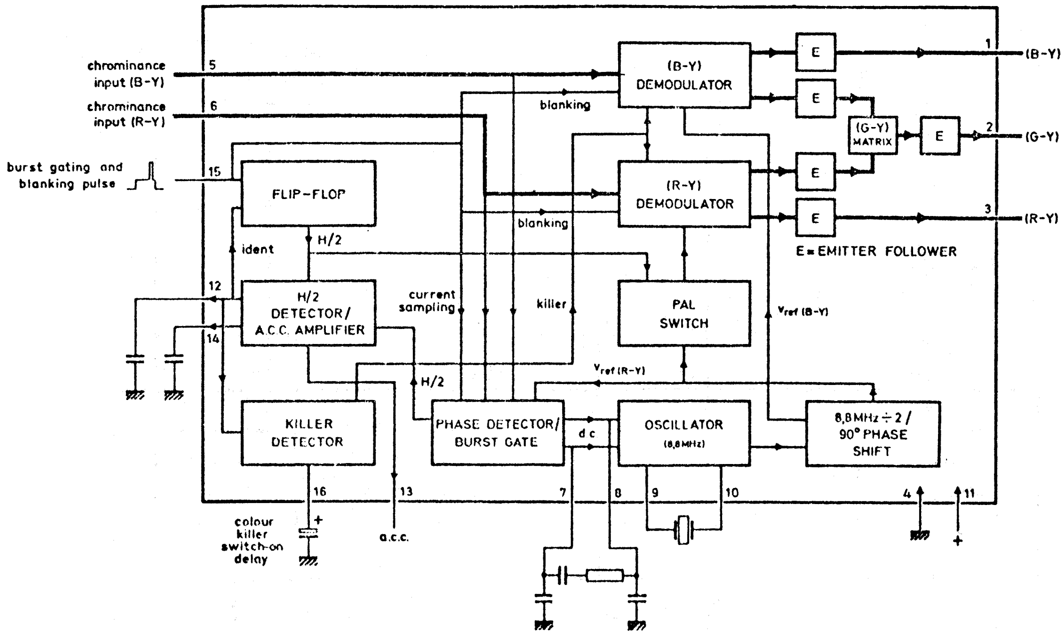
Z942


vertical sync pulse
562,5 kHz square pulse
V_P +12 V
i.c.
8
7
6
5
4
3
2
1
PULSE SEPARATOR
PULSE GENERATOR
OUTPUT STAGE
NOISE SEPARATOR
PHASE DETECTOR
562,5 kHz OSCILLATOR
9
10
11
12
13
14
15
16
i.c.
15,625 kHz

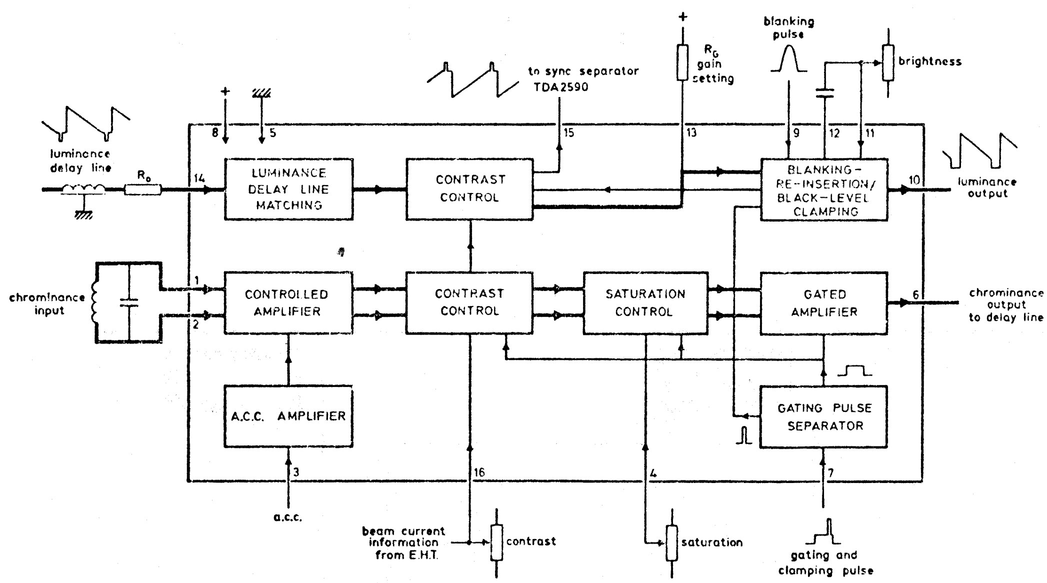
Z943


2
1
4
3

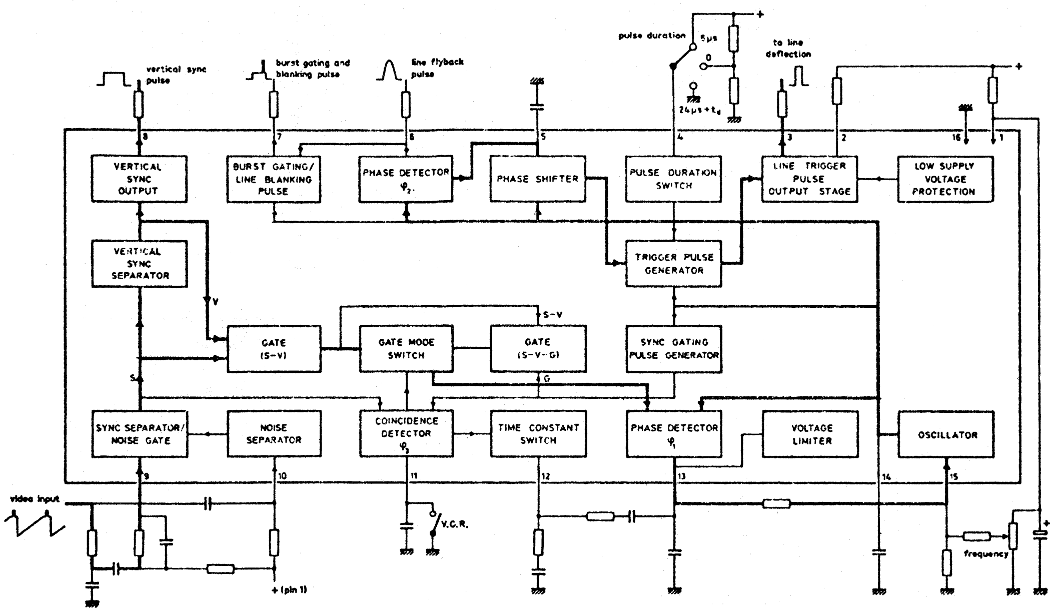
Z944


chrominance input (B-Y)
chrominance input (R-Y)
burst gating and blanking pulse
FLIP-FLOP
H/2
ident
H/2 DETECTOR/ A.C.C. AMPLIFIER
KILLER DETECTOR
PHASE DETECTOR/ BURST GATE
current sampling
killer
blanking
(B-Y) DEMODULATOR
(R-Y) DEMODULATOR
PAL SWITCH
OSCILLATOR (8,8MHz)
8,8MHz ÷ 2 / 90° PHASE SHIFT
(G-Y) MATRIX
E
E = EMITTER FOLLOWER
(B-Y)
(G-Y)
(R-Y)
d c
colour killer switch-on delay
a.c.c.

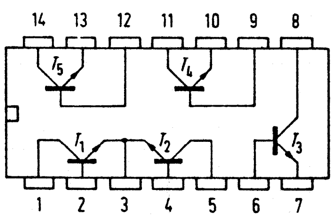
Z945


luminance delay line
chrominance input
to sync separator TDA2590
LUMINANCE DELAY LINE MATCHING
CONTRAST CONTROL
CONTROLLED AMPLIFIER
CONTRAST CONTROL
SATURATION CONTROL
GATED AMPLIFIER
A.C.C. AMPLIFIER
GATING PULSE SEPARATOR
BLANKING-RE-INSERTION/ BLACK-LEVEL CLAMPING
blanking pulse
gain setting
brightness
luminance output
chrominance output to delay line
a.c.c.
beam current information from E.H.T.
contrast
saturation
gating and clamping pulse

Z946

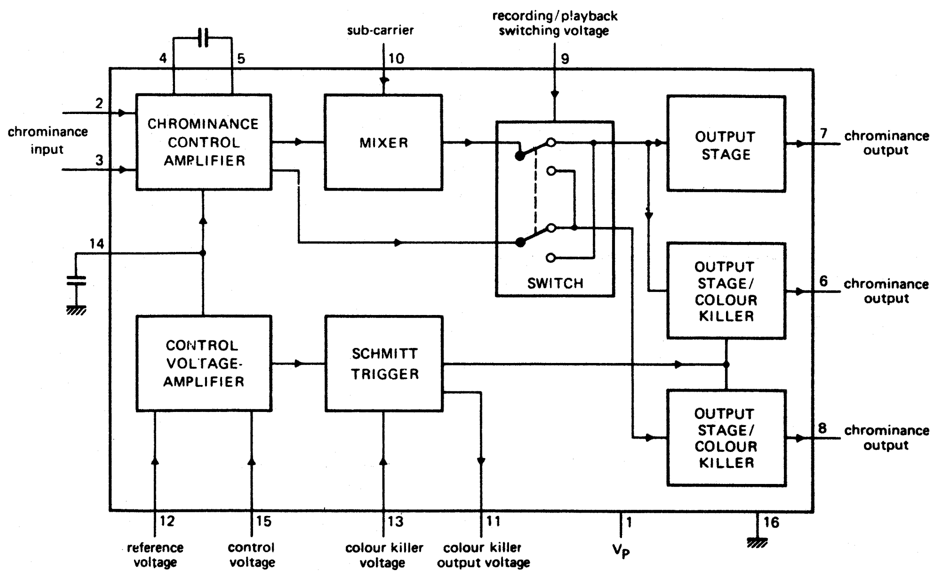


Z947

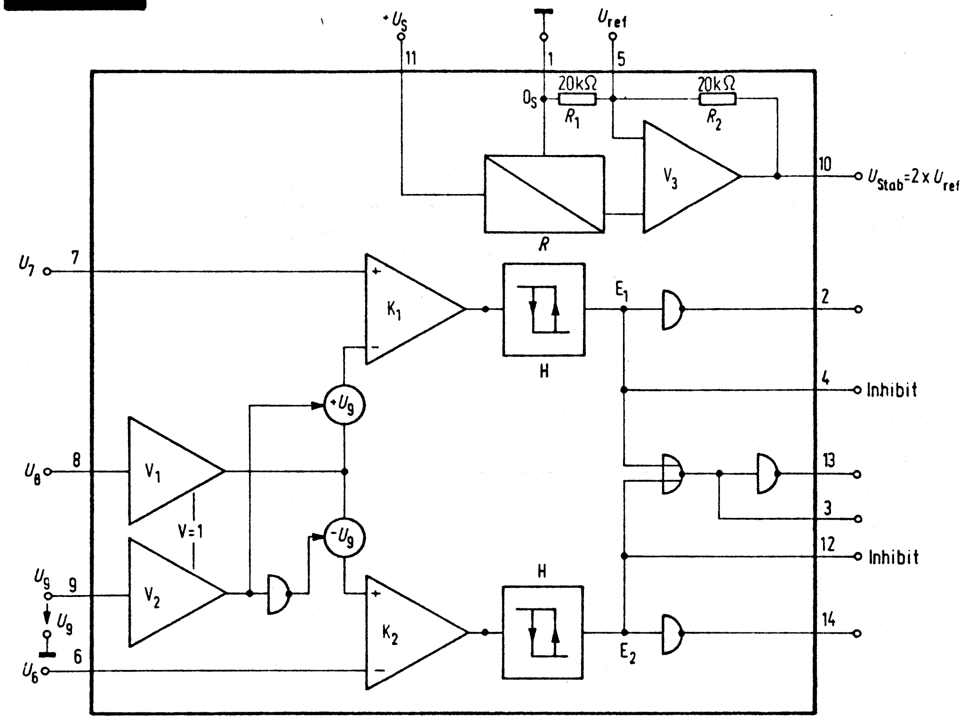


Z947: SUBSTRATE=PIN 3
Z947a: SUBSTRATE=PIN 13

Z948

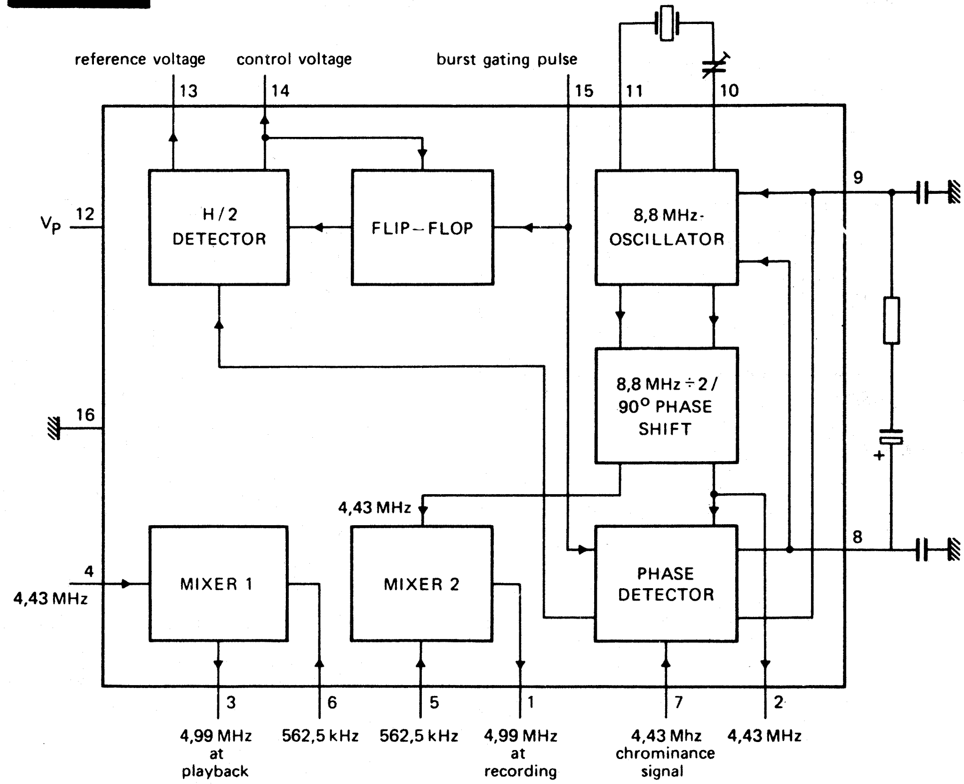


Z949



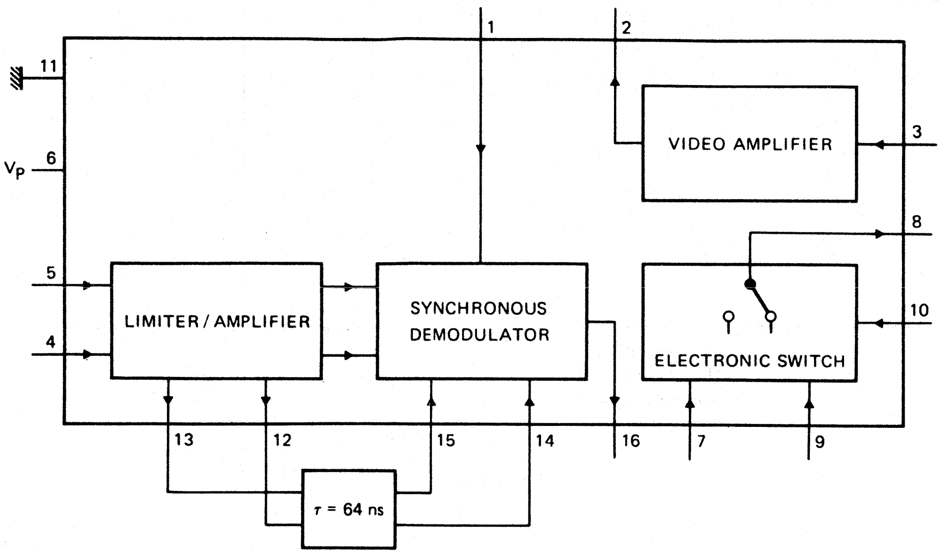
+U_S
U_ref
11
1
5
20kΩ
R_1
20kΩ
R_2
0_S
V_3
R
10
U_Stab=2 x U_ref
U_7
7
K_1
H
E_1
2
4
Inhibit
+U_9
U_8
8
V_1
V=1
V_2
-U_9
13
3
12
Inhibit
U_9
9
U_9
U_6
6
K_2
H
E_2
14

Z950



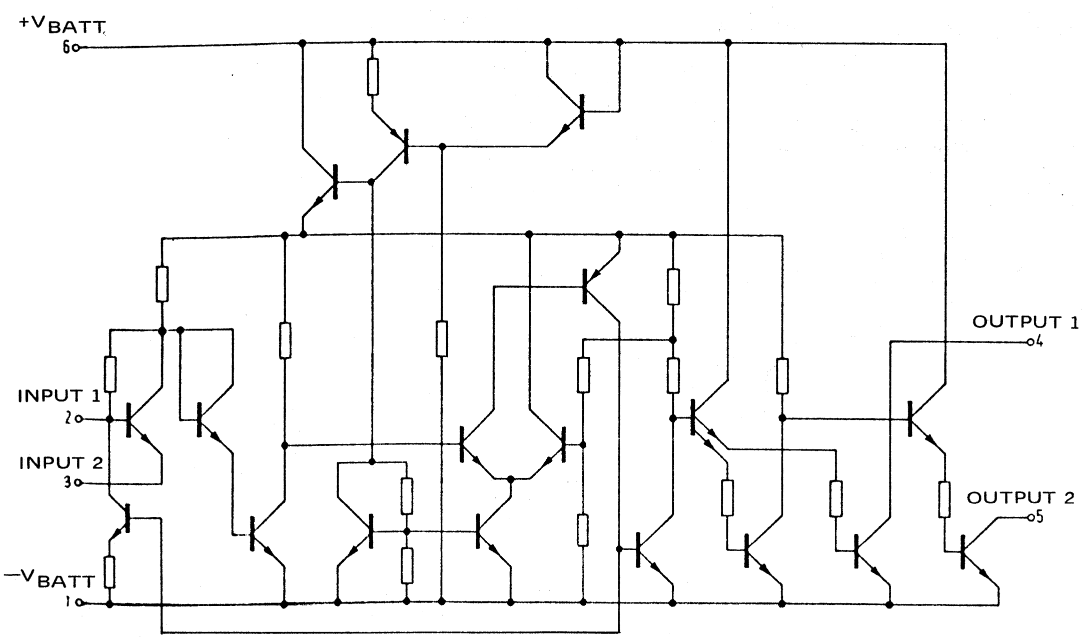
reference voltage
control voltage
burst gating pulse
13
14
15
11
10
V_P
12
H/2 DETECTOR
FLIP-FLOP
8,8 MHz-OSCILLATOR
9
8,8 MHz ÷ 2 / 90° PHASE SHIFT
16
4,43 MHz
8
4
4,43 MHz
MIXER 1
MIXER 2
PHASE DETECTOR
3
6
5
1
7
2
4,99 MHz at playback
562,5 kHz
562,5 kHz
4,99 MHz at recording
4,43 Mhz chrominance signal
4,43 MHz

Z951



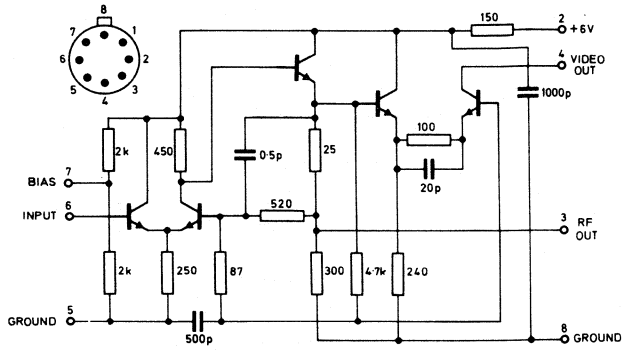
1
2
11
V_P 6
VIDEO AMPLIFIER
3
8
5
4
LIMITER / AMPLIFIER
SYNCHRONOUS DEMODULATOR
ELECTRONIC SWITCH
10
13
12
15
14
16
7
9
τ = 64 ns

Z954

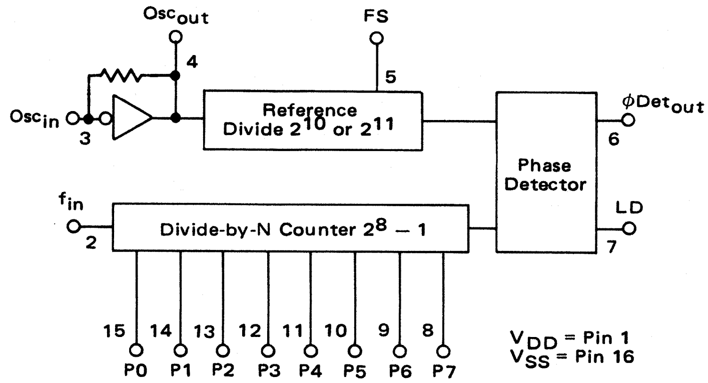


$+V_{BATT}$ 6
INPUT 1 2
INPUT 2 3
$-V_{BATT}$ 1
OUTPUT 1 4
OUTPUT 2 5

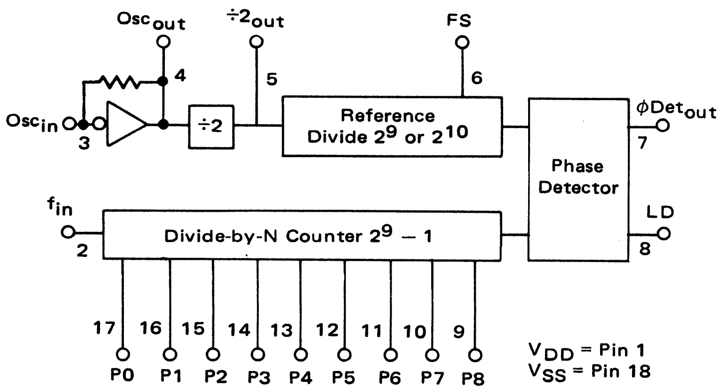
Z955



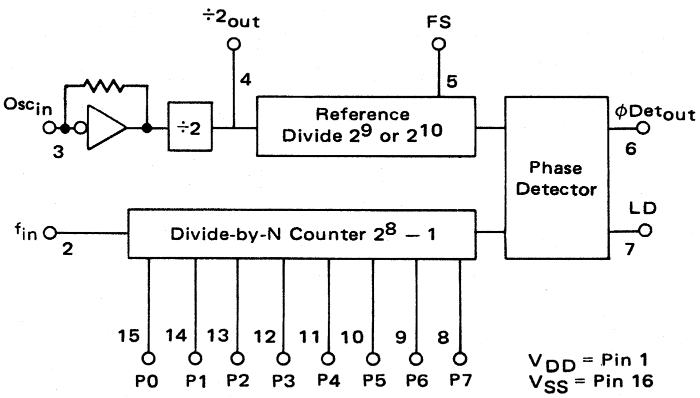
Z956



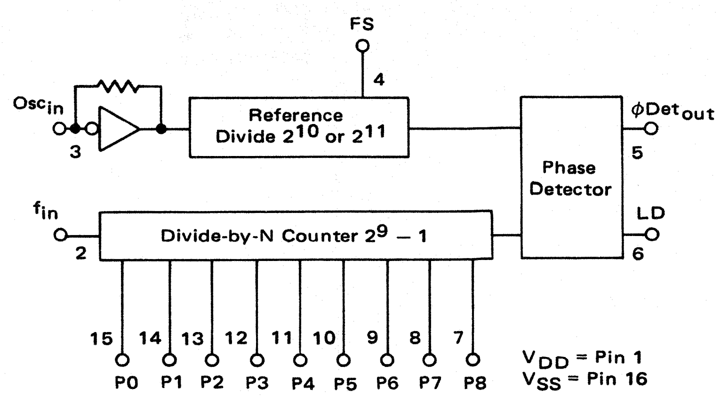
Z957



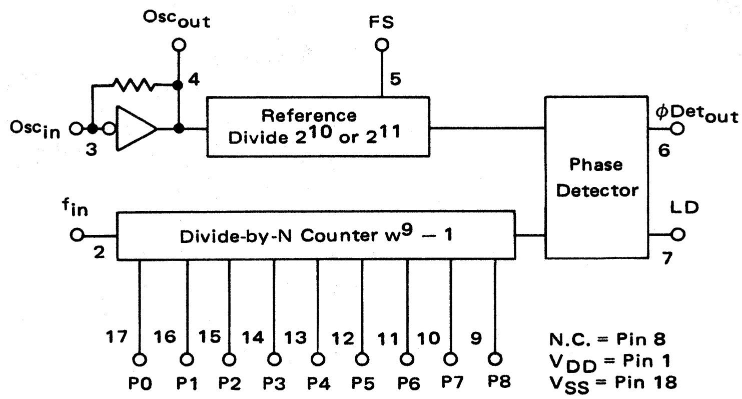
Z958



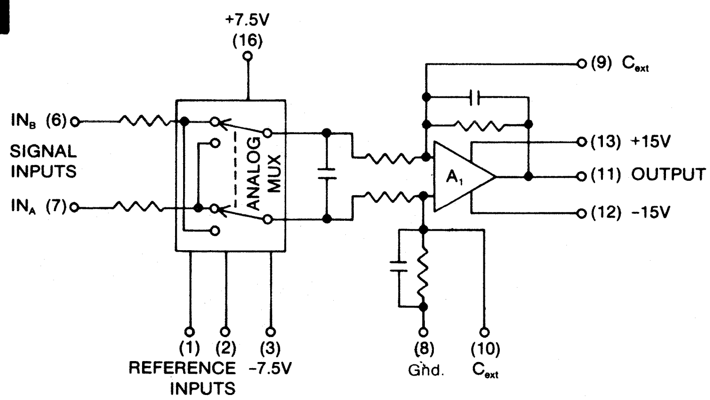
Z959



Z960

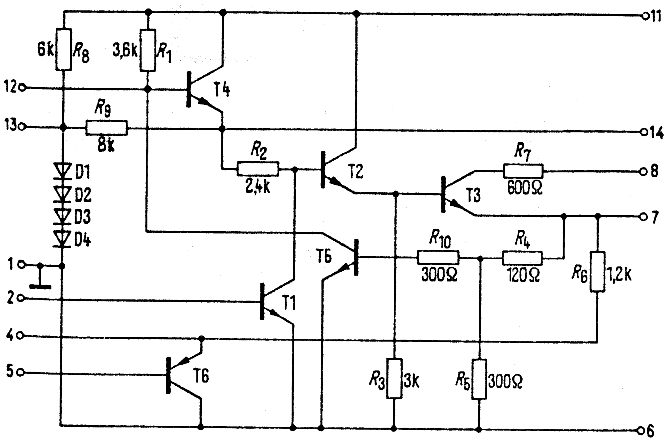


Z961

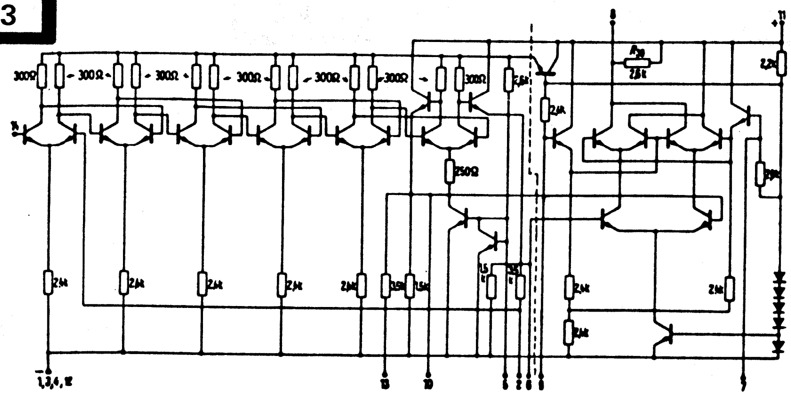


Reference Input	1	16	VDD
Reference Input	2	15	VDD
Vss	3	14	Vss
	4	13	+15 Volts
	5	12	−15 Volts
B Input	6	11	Output
A Input	7	10	CEXT
Ground	8	9	CEXT

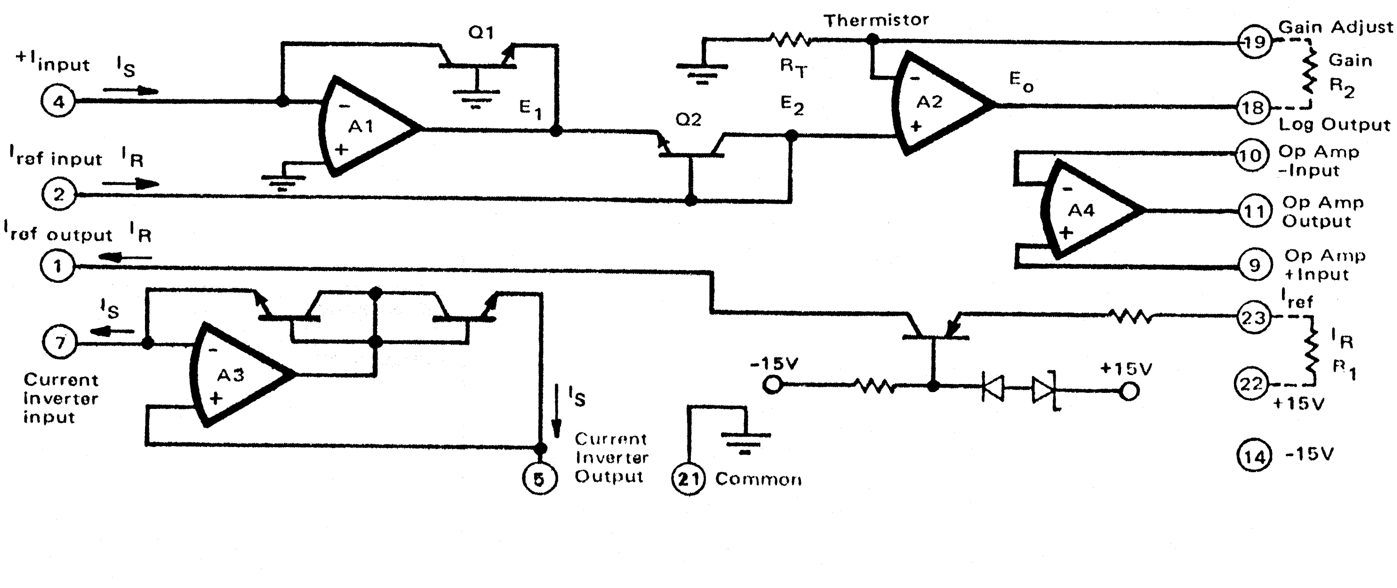
Z962



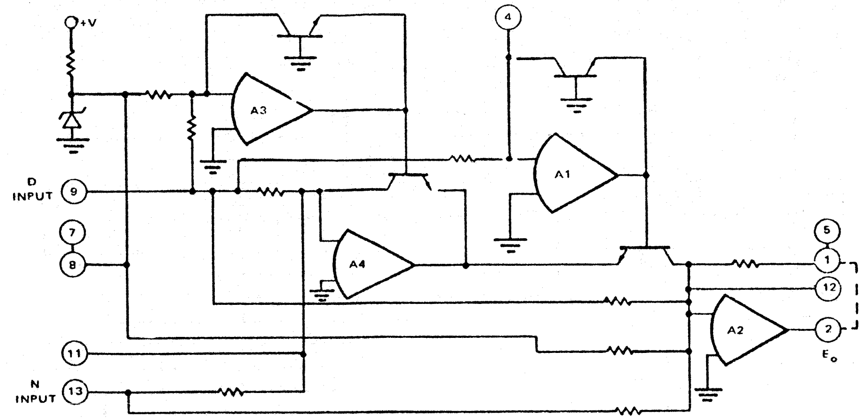
Z963



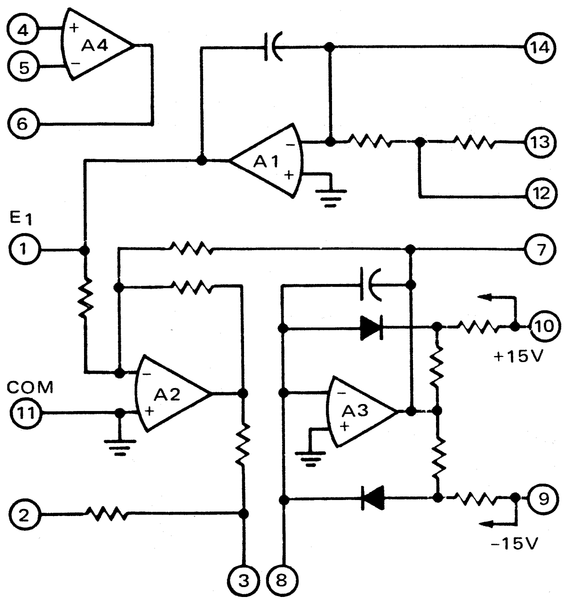
Z964



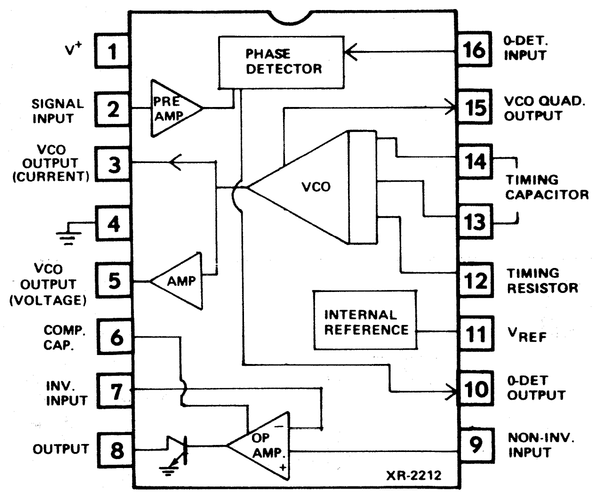
Z965



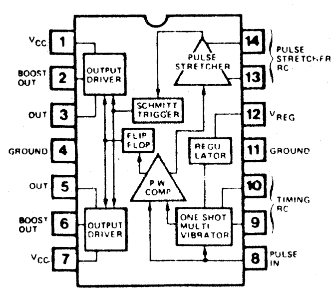
Z966



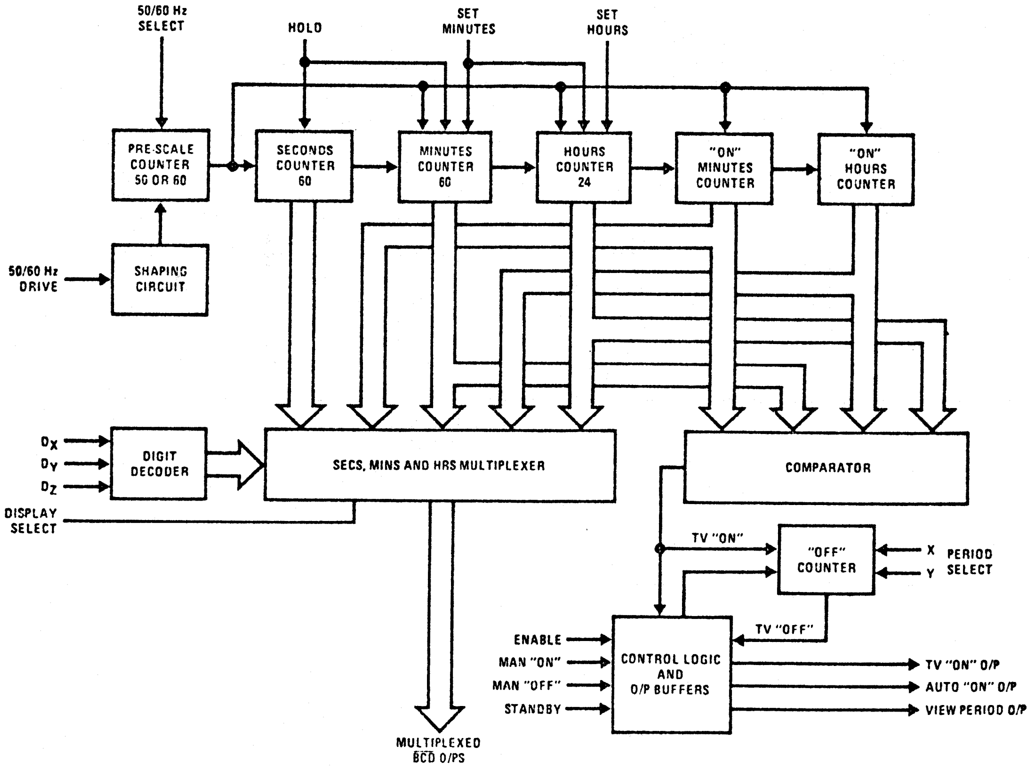
Z968



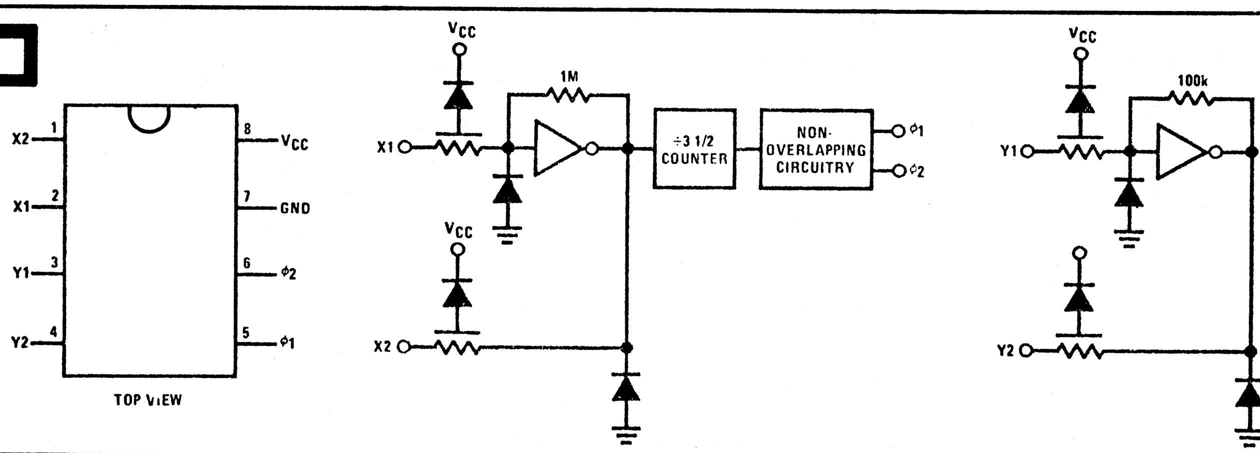
Z969



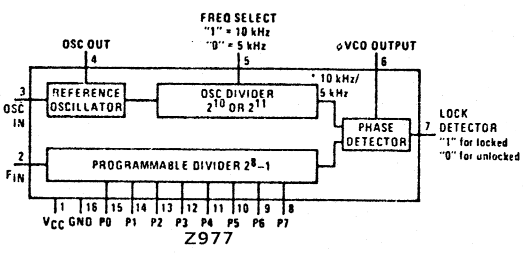
Z975

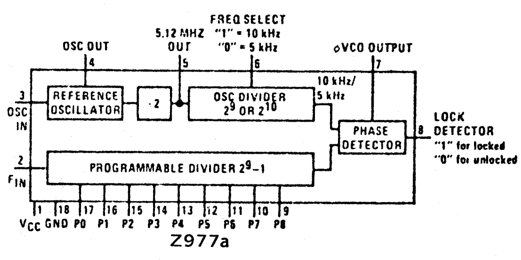


Z976

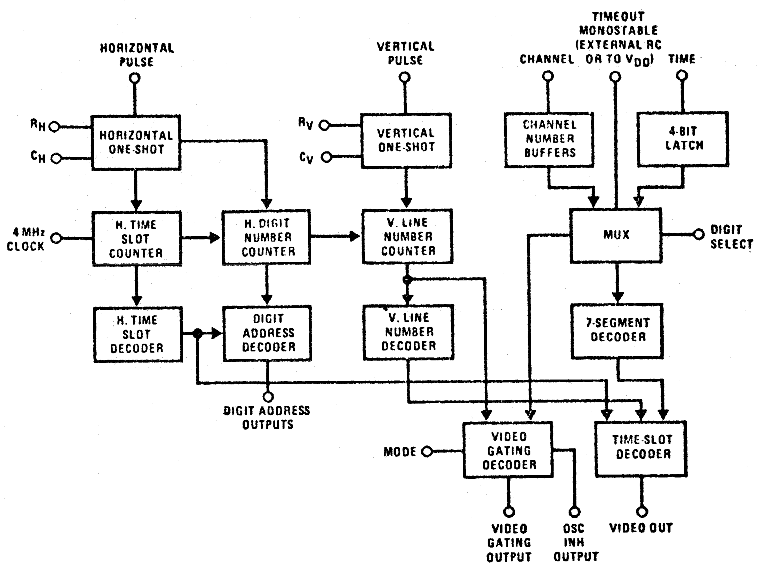


Z977



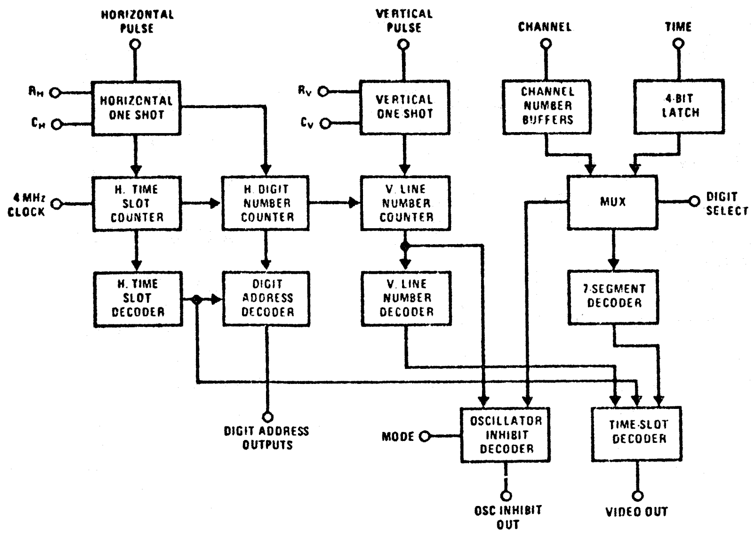


Z978



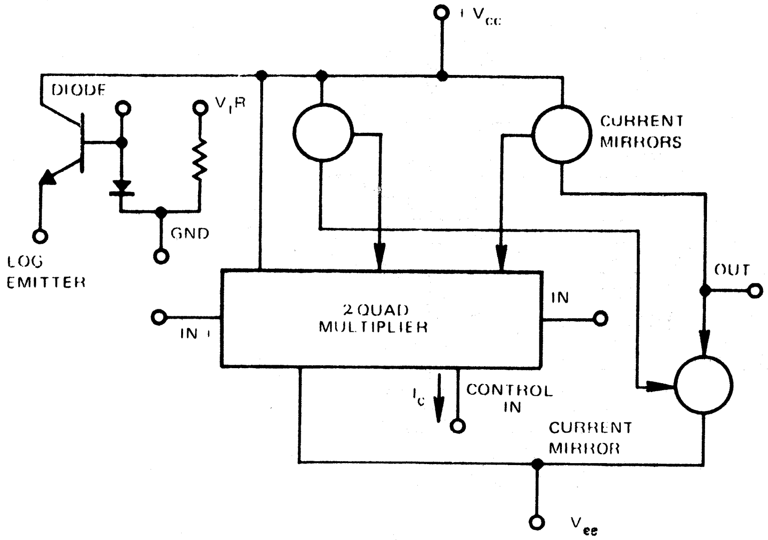
HORIZONTAL PULSE
VERTICAL PULSE
TIMEOUT MONOSTABLE (EXTERNAL RC OR TO V_{DD})
CHANNEL
TIME
R_H
C_H
HORIZONTAL ONE-SHOT
R_V
C_V
VERTICAL ONE-SHOT
CHANNEL NUMBER BUFFERS
4-BIT LATCH
4 MHz CLOCK
H. TIME SLOT COUNTER
H. DIGIT NUMBER COUNTER
V. LINE NUMBER COUNTER
MUX
DIGIT SELECT
H. TIME SLOT DECODER
DIGIT ADDRESS DECODER
V. LINE NUMBER DECODER
7-SEGMENT DECODER
DIGIT ADDRESS OUTPUTS
MODE
VIDEO GATING DECODER
TIME-SLOT DECODER
VIDEO GATING OUTPUT
OSC INH OUTPUT
VIDEO OUT

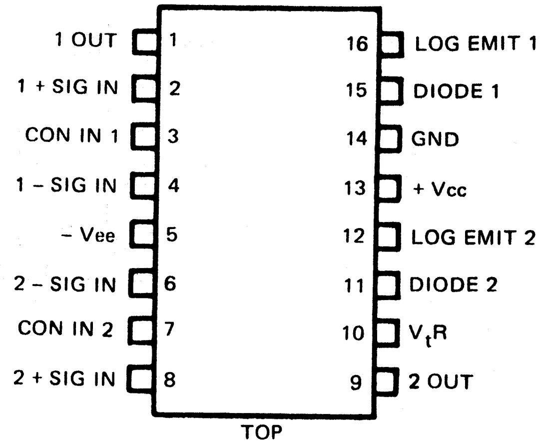
Z979



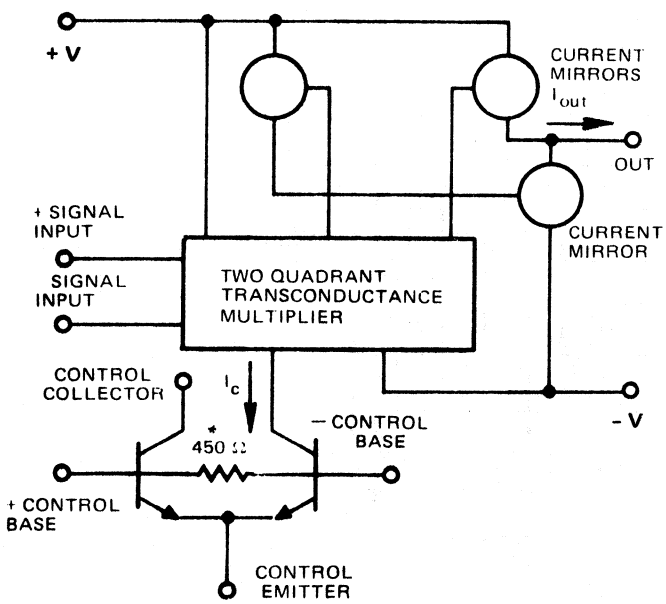
HORIZONTAL PULSE
VERTICAL PULSE
CHANNEL
TIME
R_H
C_H
HORIZONTAL ONE SHOT
R_V
C_V
VERTICAL ONE SHOT
CHANNEL NUMBER BUFFERS
4-BIT LATCH
4 MHz CLOCK
H. TIME SLOT COUNTER
H DIGIT NUMBER COUNTER
V. LINE NUMBER COUNTER
MUX
DIGIT SELECT
H. TIME SLOT DECODER
DIGIT ADDRESS DECODER
V. LINE NUMBER DECODER
7-SEGMENT DECODER
DIGIT ADDRESS OUTPUTS
MODE
OSCILLATOR INHIBIT DECODER
TIME-SLOT DECODER
OSC INHIBIT OUT
VIDEO OUT

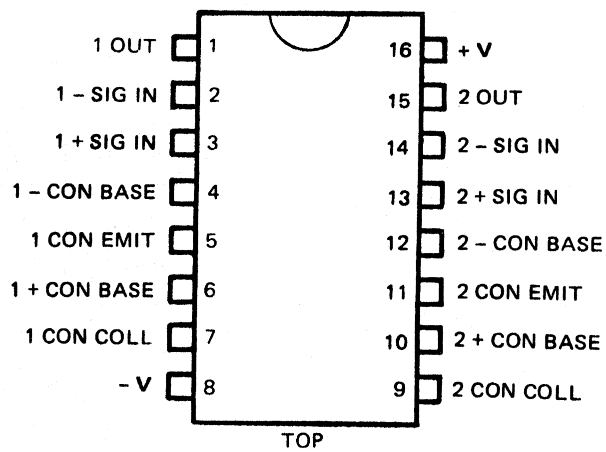
Z980


+Vcc
DIODE
VtR
CURRENT MIRRORS
GND
LOG EMITTER
OUT
IN
IN
2 QUAD MULTIPLIER
Ic
CONTROL IN
CURRENT MIRROR
Vee

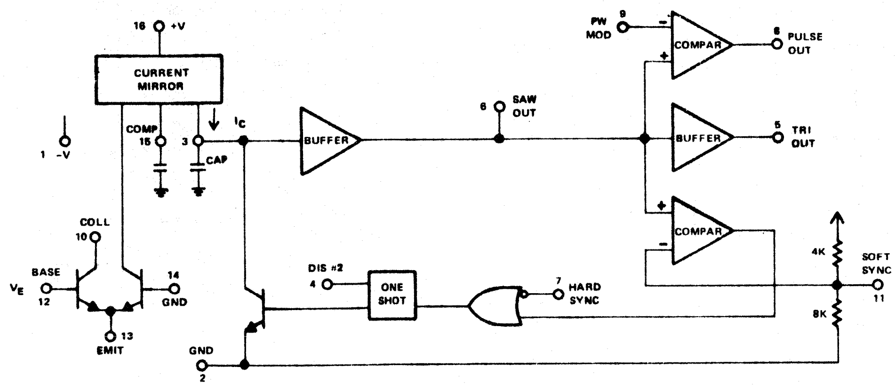

1 OUT 1
1 + SIG IN 2
CON IN 1 3
1 – SIG IN 4
– Vee 5
2 – SIG IN 6
CON IN 2 7
2 + SIG IN 8
16 LOG EMIT 1
15 DIODE 1
14 GND
13 + Vcc
12 LOG EMIT 2
11 DIODE 2
10 VtR
9 2 OUT
TOP

Z981

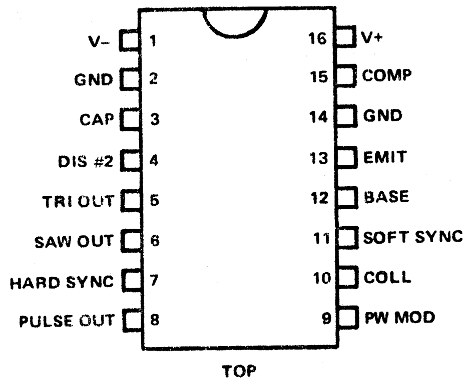

+ V
CURRENT MIRRORS
Iout
OUT
CURRENT MIRROR
+ SIGNAL INPUT
SIGNAL INPUT
TWO QUADRANT TRANSCONDUCTANCE MULTIPLIER
CONTROL COLLECTOR
Ic
– CONTROL BASE
– V
450 Ω
+ CONTROL BASE
CONTROL EMITTER


1 OUT 1
1 – SIG IN 2
1 + SIG IN 3
1 – CON BASE 4
1 CON EMIT 5
1 + CON BASE 6
1 CON COLL 7
– V 8
16 + V
15 2 OUT
14 2 – SIG IN
13 2 + SIG IN
12 2 – CON BASE
11 2 CON EMIT
10 2 + CON BASE
9 2 CON COLL
TOP

Z982

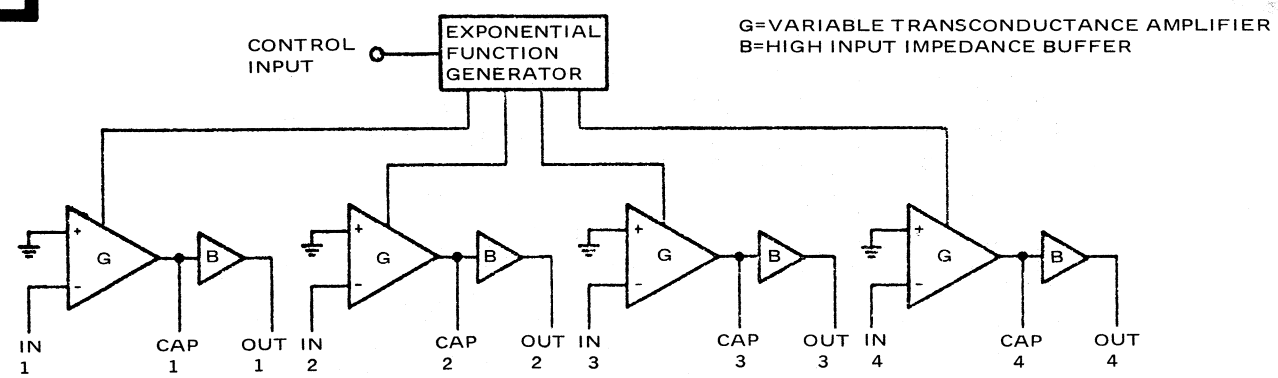


16 +V
CURRENT MIRROR
1 -V
COMP 15
3 CAP
I_C
BUFFER
6 SAW OUT
PW MOD 9
COMPAR
8 PULSE OUT
BUFFER
5 TRI OUT
COMPAR
4K
SOFT SYNC 11
8K
COLL 10
BASE
V_E 12
14 GND
13 EMIT
DIS #2 4
ONE SHOT
7 HARD SYNC
GND 2

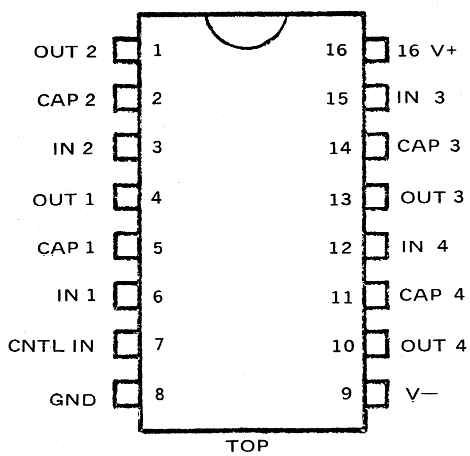


V– 1
GND 2
CAP 3
DIS #2 4
TRI OUT 5
SAW OUT 6
HARD SYNC 7
PULSE OUT 8
16 V+
15 COMP
14 GND
13 EMIT
12 BASE
11 SOFT SYNC
10 COLL
9 PW MOD
TOP

Z983

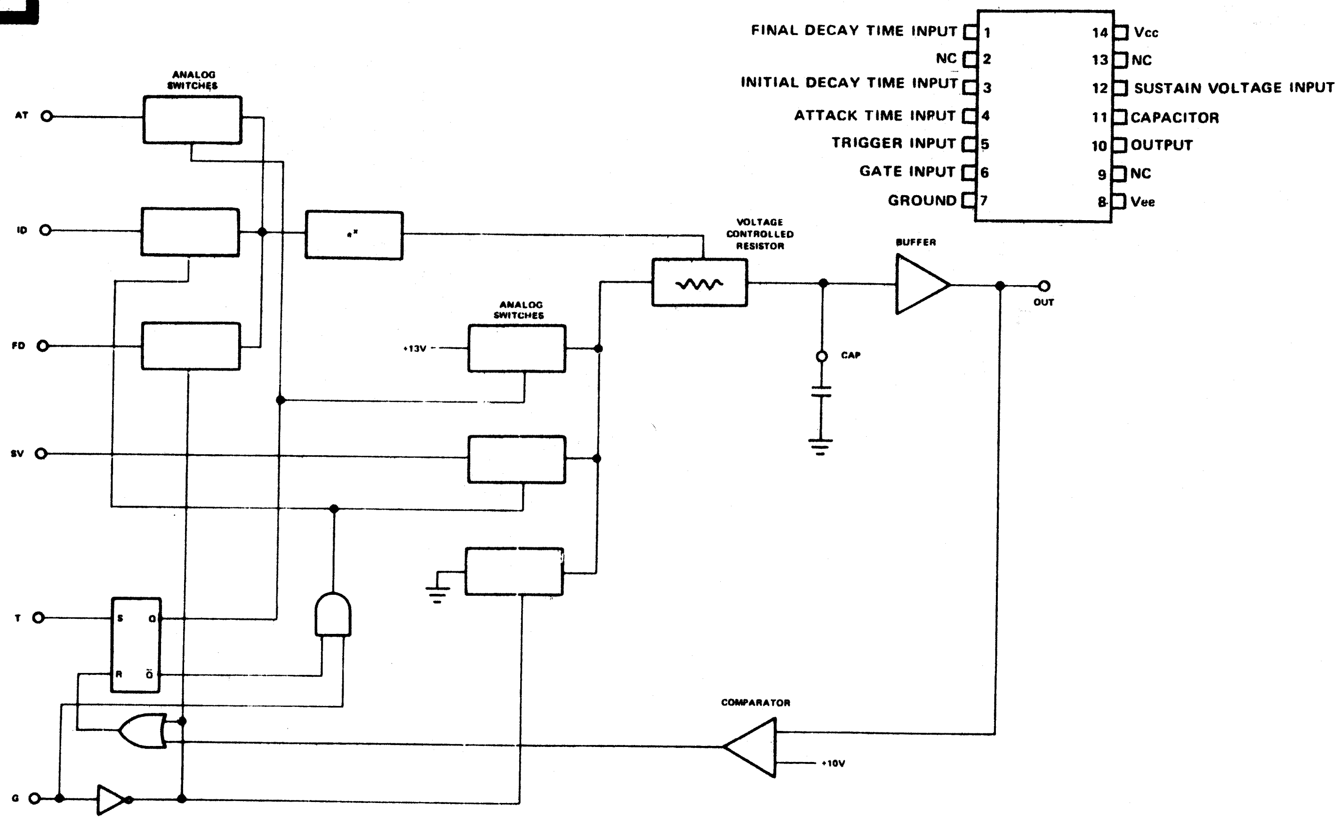


CONTROL INPUT
EXPONENTIAL FUNCTION GENERATOR
G=VARIABLE TRANSCONDUCTANCE AMPLIFIER
B=HIGH INPUT IMPEDANCE BUFFER
G
B
IN 1
CAP 1
OUT 1
IN 2
CAP 2
OUT 2
IN 3
CAP 3
OUT 3
IN 4
CAP 4
OUT 4

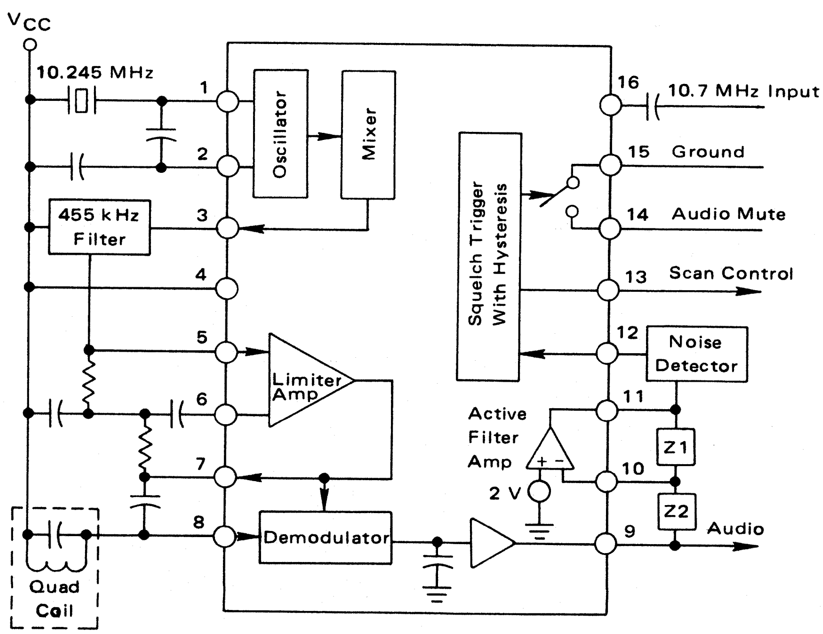


OUT 2 1
CAP 2 2
IN 2 3
OUT 1 4
CAP 1 5
IN 1 6
CNTL IN 7
GND 8
16 16 V+
15 IN 3
14 CAP 3
13 OUT 3
12 IN 4
11 CAP 4
10 OUT 4
9 V–
TOP

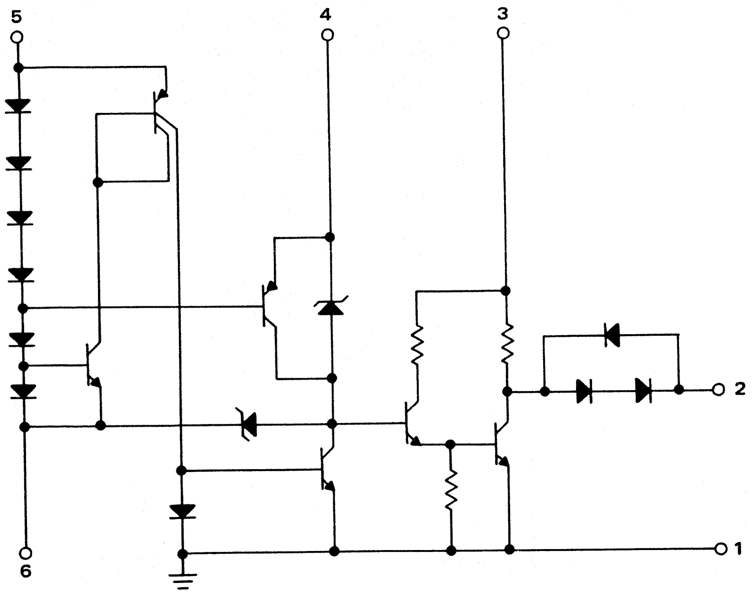
Z984

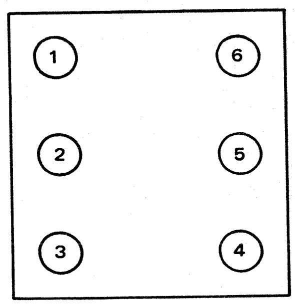

FINAL DECAY TIME INPUT 1
NC 2
INITIAL DECAY TIME INPUT 3
ATTACK TIME INPUT 4
TRIGGER INPUT 5
GATE INPUT 6
GROUND 7
14 Vcc
13 NC
12 SUSTAIN VOLTAGE INPUT
11 CAPACITOR
10 OUTPUT
9 NC
8 Vee
ANALOG SWITCHES
AT
ID
FD
SV
T
G
VOLTAGE CONTROLLED RESISTOR
BUFFER
OUT
CAP
ANALOG SWITCHES
+13V
COMPARATOR
+10V
S
Q
R

Z985


VCC
10.245 MHz
455 kHz Filter
Oscillator
Mixer
Limiter Amp
Demodulator
Quad Coil
Squelch Trigger With Hysteresis
Active Filter Amp
2 V
Noise Detector
Z1
Z2
16 10.7 MHz Input
15 Ground
14 Audio Mute
13 Scan Control
12
11
10
9 Audio
1
2
3
4
5
6
7
8

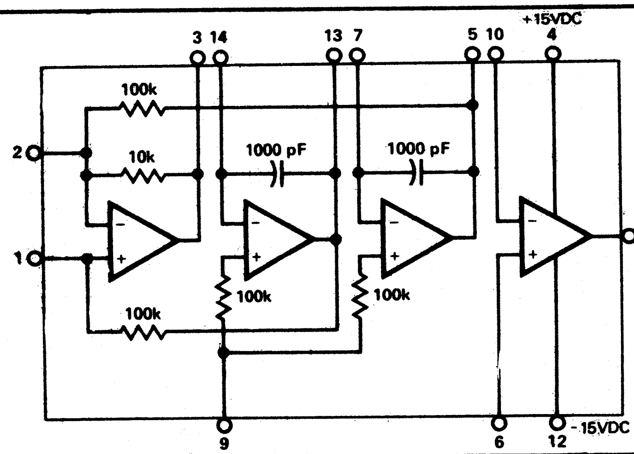
Z986



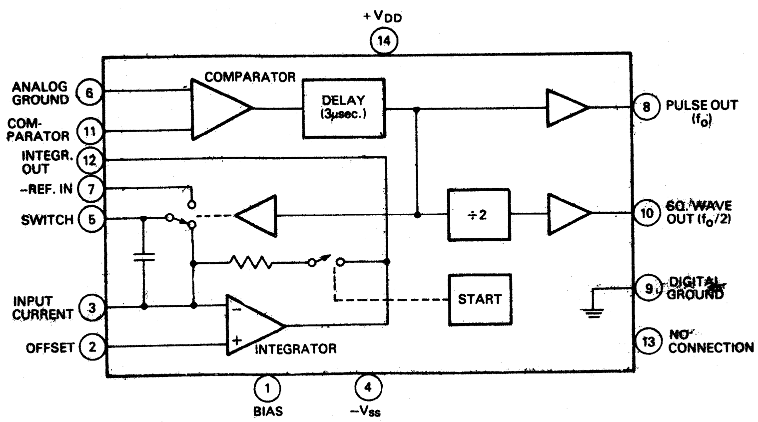


1 — GND
2 — Output
3 — Output Drive Adjust
4 — Overvoltage Sense and Battery Sense Loss Detect
5 — Battery Sense
6 — Diode TC Adjust

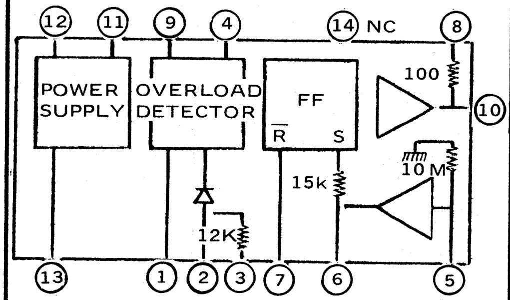
Z987



Z988

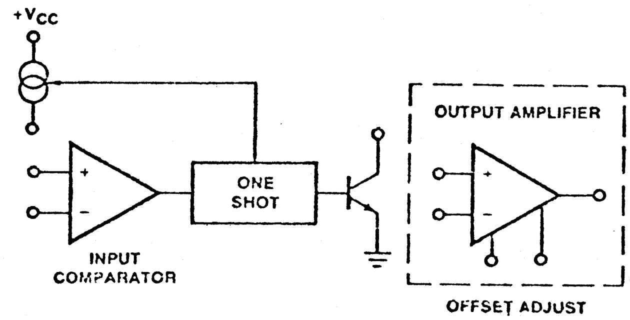


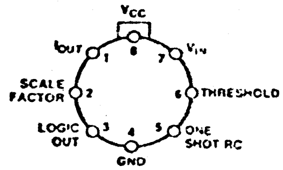
Z989



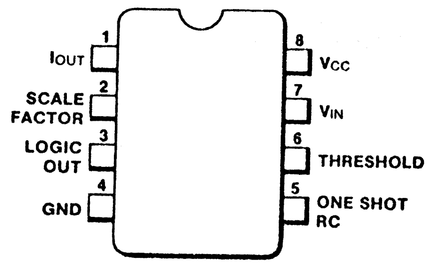
PIN	FUNCTION
1	LOAD TIMING
2	OVERLOAD OUTPUT
3	OVERLOAD OUTPUT
4	LOAD ZERO-CROSSOVER
5	ON BUFFERED
6	TURN ON
7	TURN OFF
8	GATE DRIVE
9	LOAD LIMIT SET
10	HIGH GATE DRIVE
11	POSITIVE VOLTAGE
12	AC POWER INPUT
13	GROUND
14	NO CONNECTION

Z990

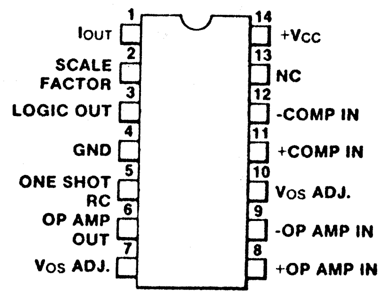




Z990



Z990a



Z990b

Z991

PIN CONNECTIONS		
PIN	**SINGLE OUTPUTS**	**DUAL OUTPUTS**
1 to 3	+ Input	+ Input
4 to 6	− Input	− Input
7 to 9	+ Output	+ Output
10 and 11	− Output	Common Output
12 to 14	− Output	− Output

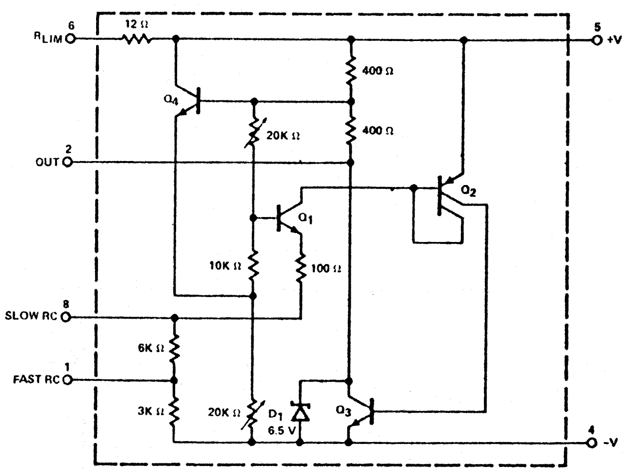
Z991

PIN CONNECTIONS		
PIN	**SINGLE OUTPUTS**	**DUAL OUTPUTS**
1	+ Input	+ Input
2	− Input	− Input
3	+ Output	+ Output
4	− Output	Common Output*
5	− Output	− Output

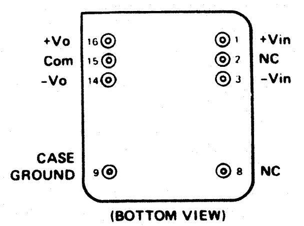
Z991a,b

* Z991b: COMMON OUTPUT CONNECTED TO METAL CASE.

Z992

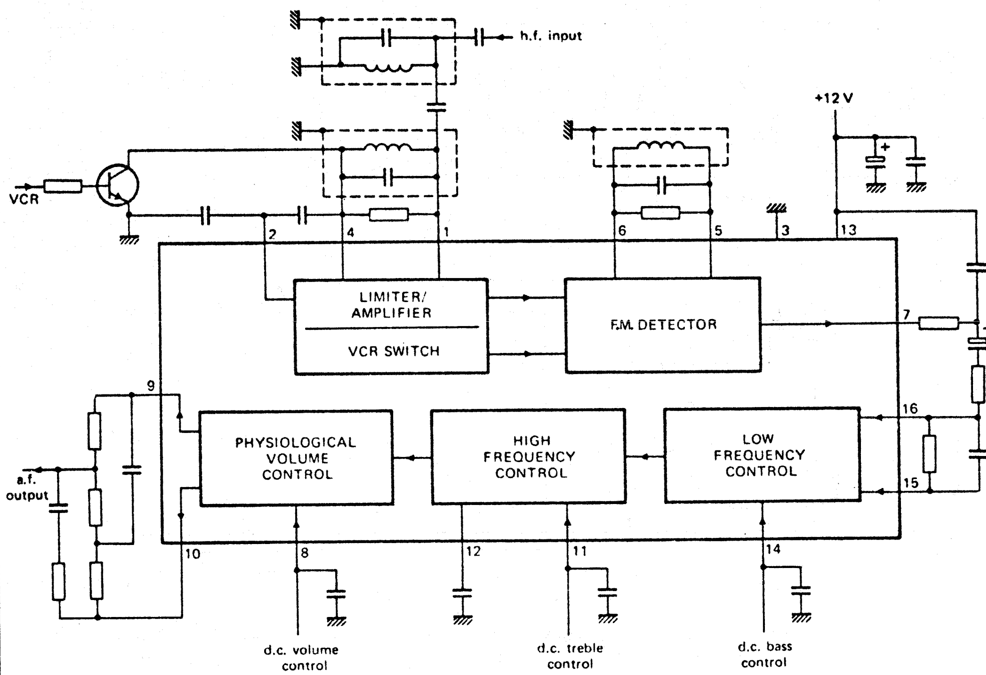


Z993

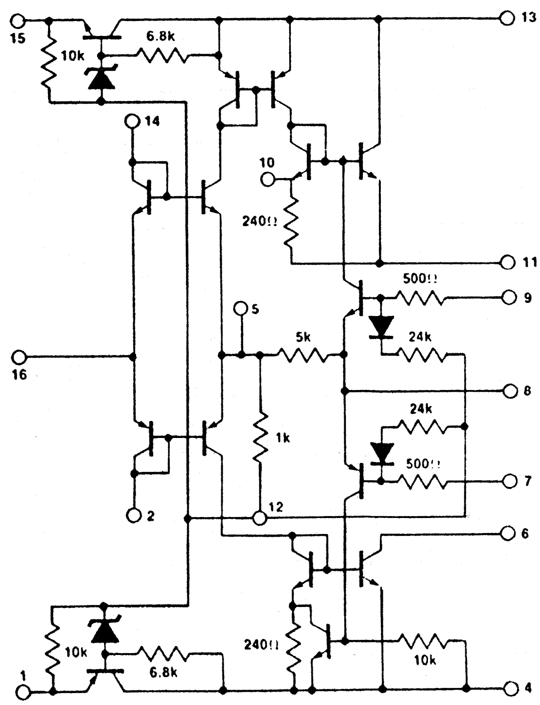


NOTE:
Pins 14 and 15 connected internally on single output versions.

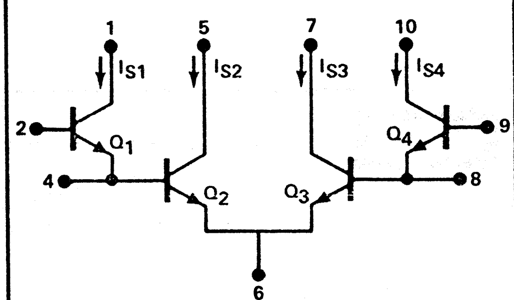
Z994



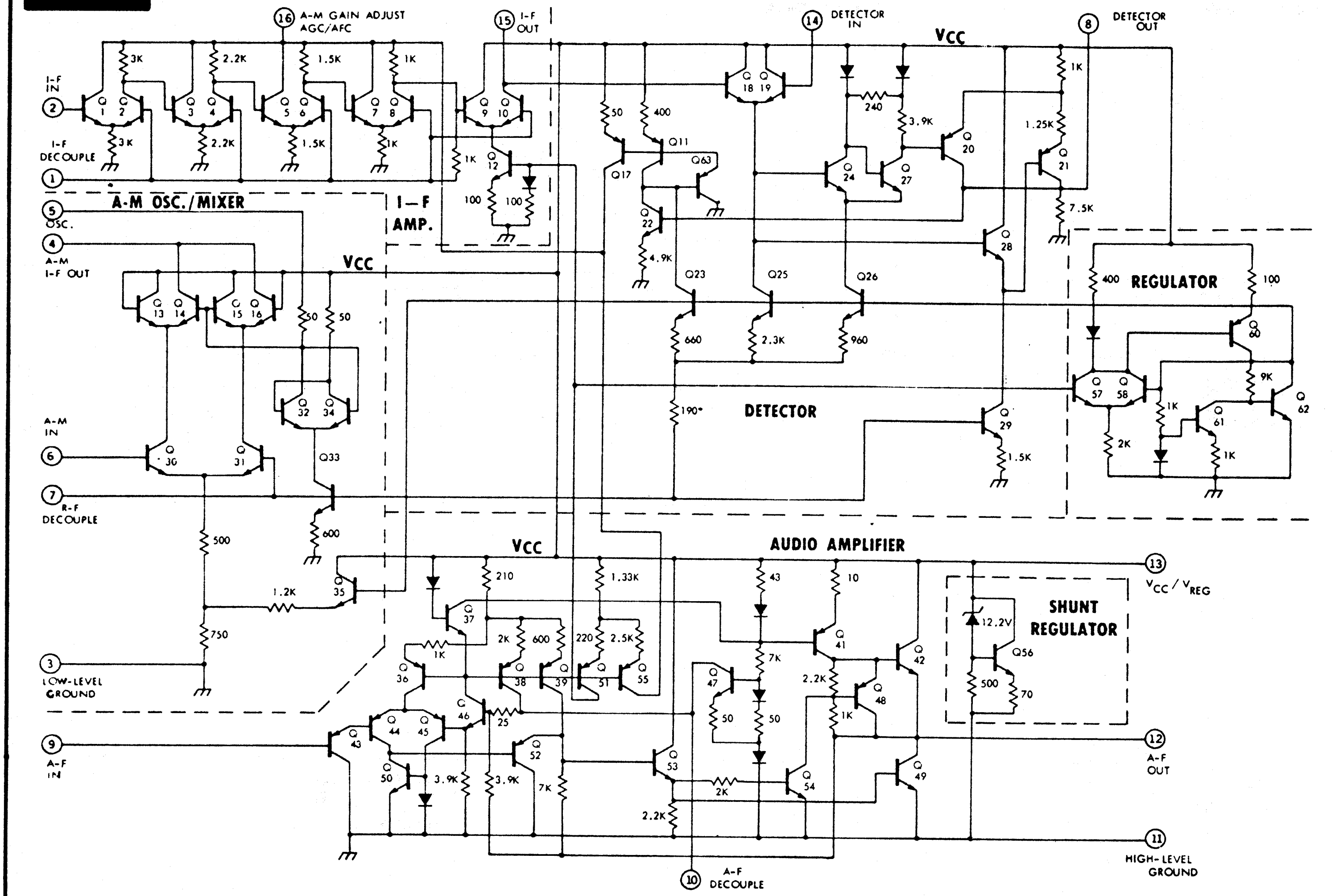
Z996



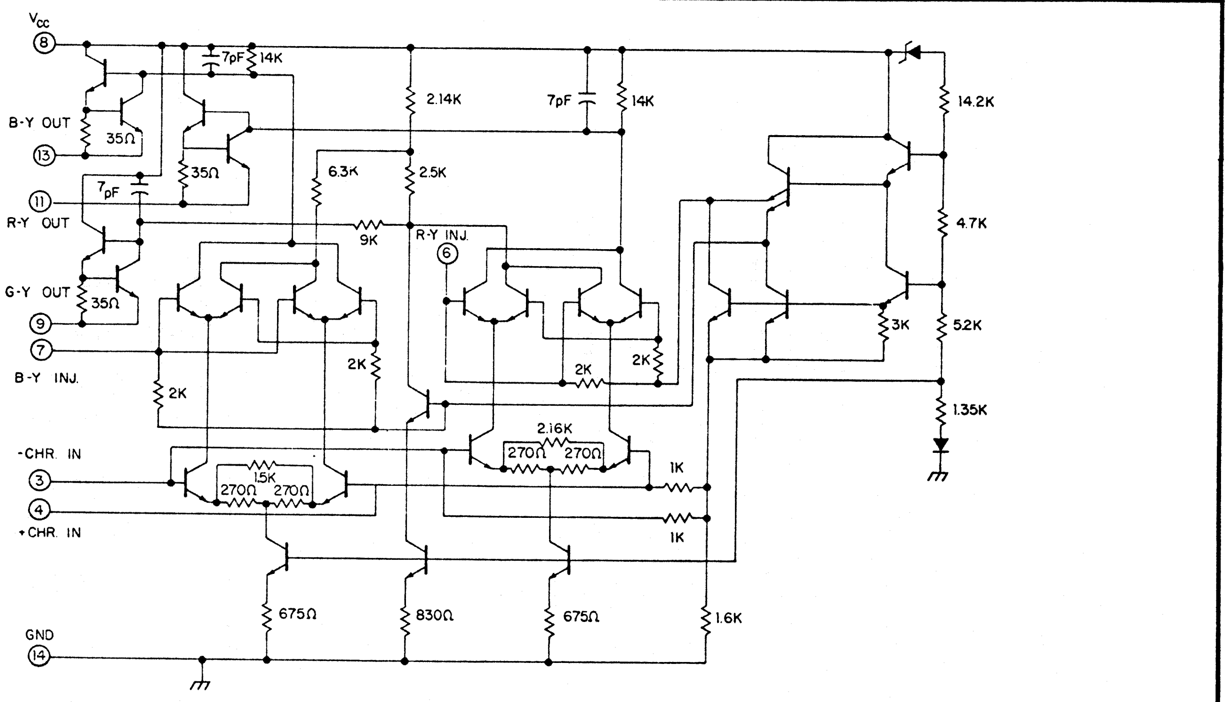
Z997



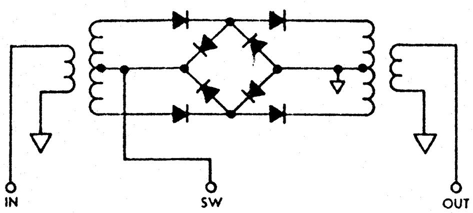
Z998


A-M GAIN ADJUST AGC/AFC
I-F OUT
DETECTOR IN
VCC
DETECTOR OUT
I-F IN
I-F DECOUPLE
A-M OSC./MIXER
I-F AMP.
OSC.
A-M I-F OUT
REGULATOR
DETECTOR
A-M IN
R-F DECOUPLE
AUDIO AMPLIFIER
LOW-LEVEL GROUND
SHUNT REGULATOR
12.2V
VCC / VREG
A-F IN
A-F OUT
A-F DECOUPLE
HIGH-LEVEL GROUND

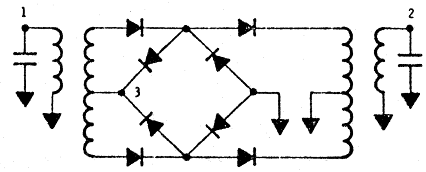
Z999


Vcc
B-Y OUT
R-Y OUT
G-Y OUT
B-Y INJ.
R-Y INJ.
-CHR. IN
+CHR. IN
GND

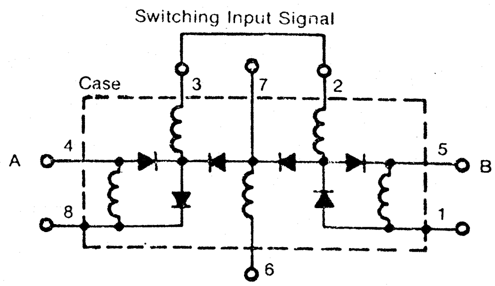
Z1001



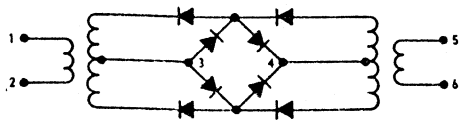
Z1002



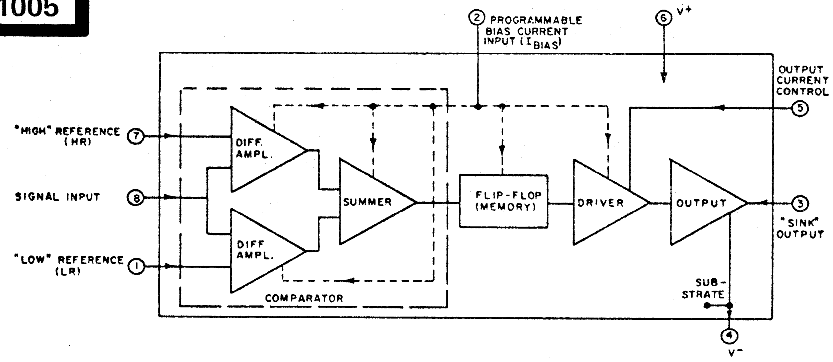
Z1003



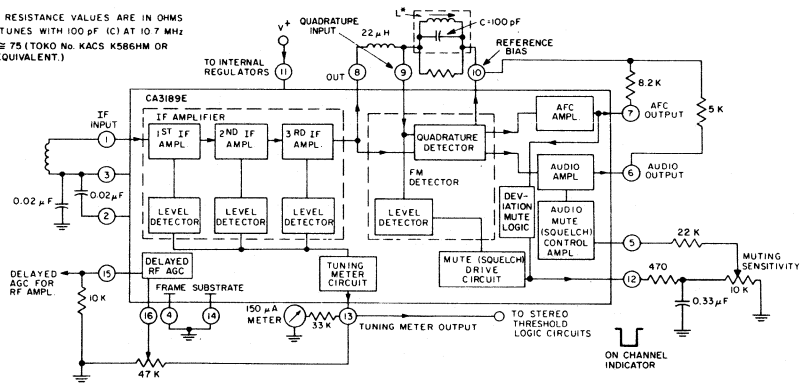
Z1004



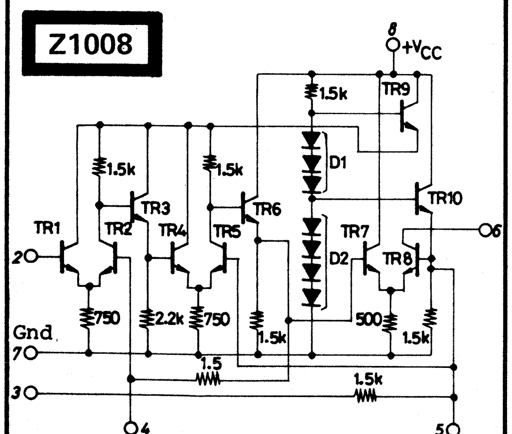
Z1005



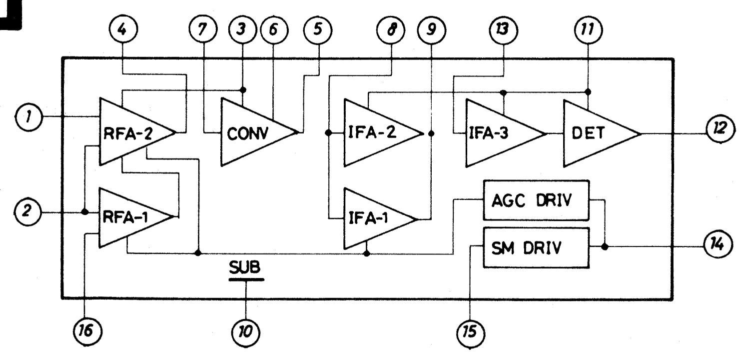
Z1006



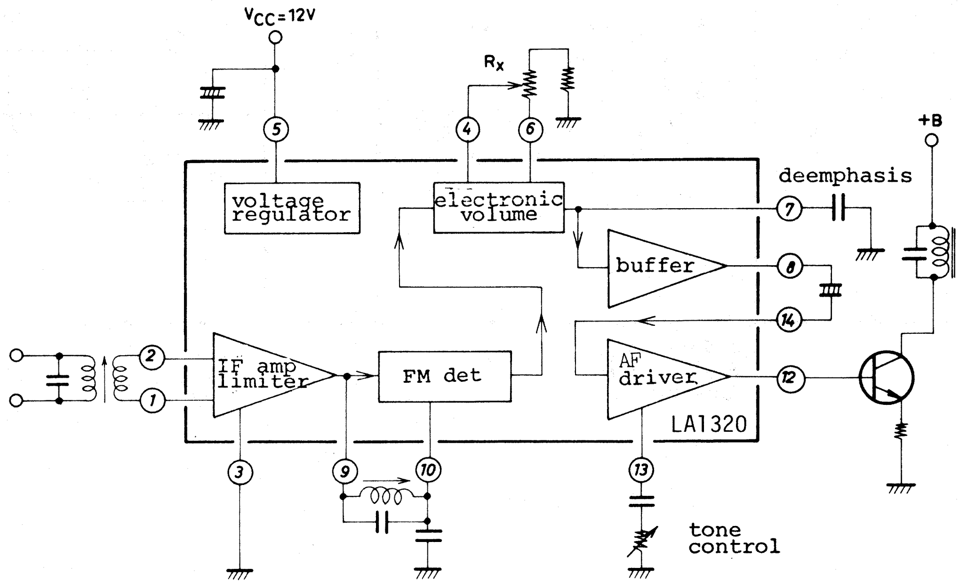
Z1008



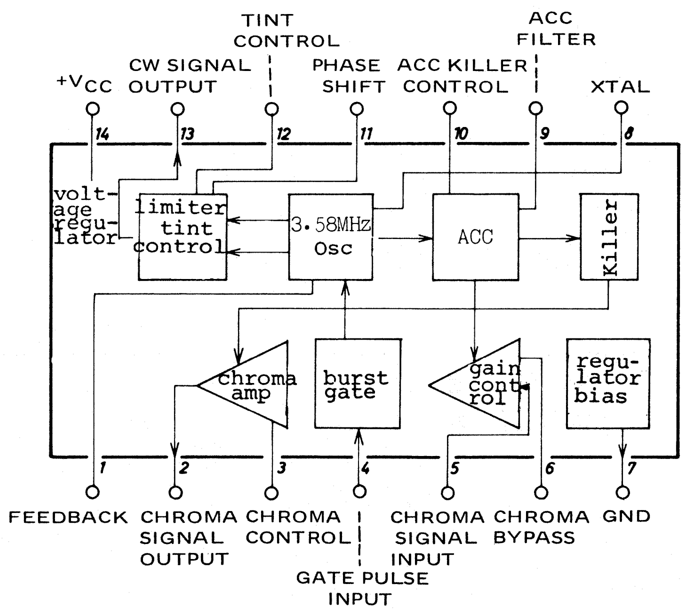
Z1009



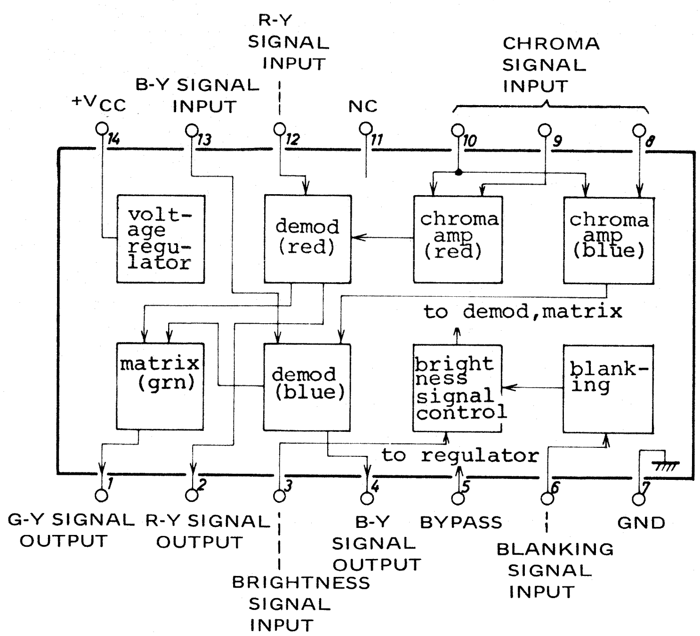
Z1010


V_{CC}=12V
R_x
+B
deemphasis
voltage regulator
electronic volume
buffer
IF amp limiter
FM det
AF driver
LA1320
tone control
5
4
6
7
8
14
12
2
1
3
9
10
13

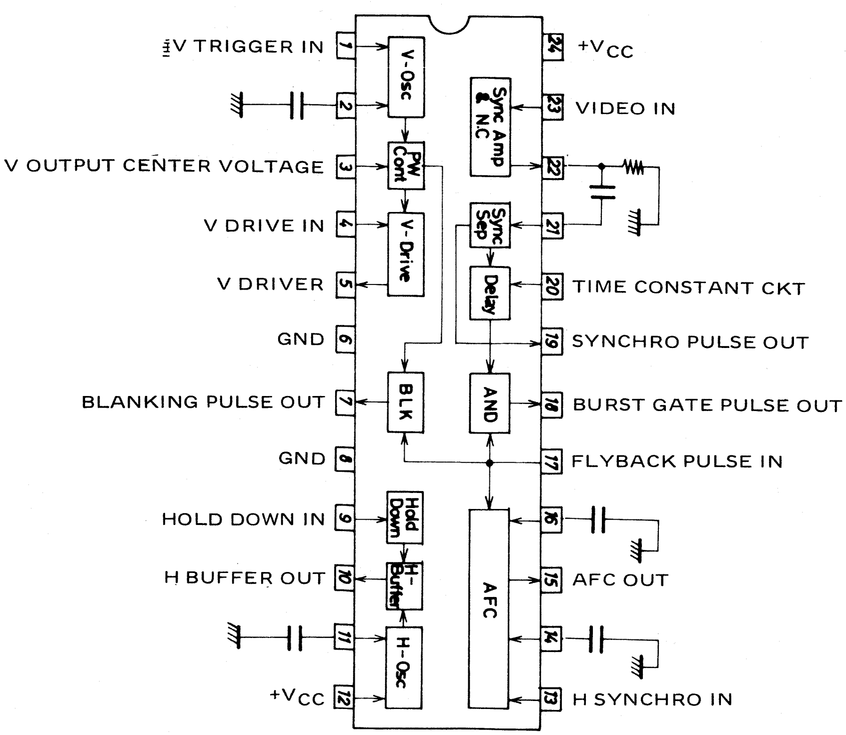
Z1011


+V_{CC}
CW SIGNAL OUTPUT
TINT CONTROL
PHASE SHIFT
ACC KILLER CONTROL
ACC FILTER
XTAL
14
13
12
11
10
9
8
volt-age regu-lator
limiter tint control
3.58MHz Osc
ACC
Killer
chroma amp
burst gate
gain cont-rol
regu-lator bias
1
2
3
4
5
6
7
FEEDBACK
CHROMA SIGNAL OUTPUT
CHROMA CONTROL
GATE PULSE INPUT
CHROMA SIGNAL INPUT
CHROMA BYPASS
GND

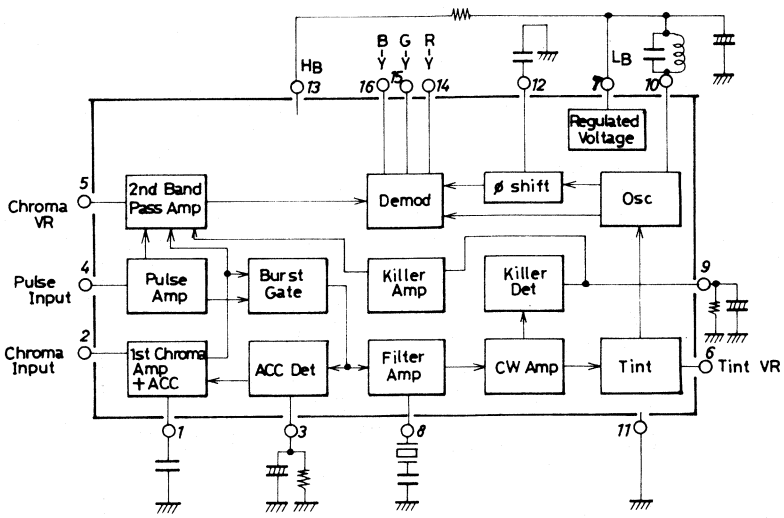
Z1012


R-Y SIGNAL INPUT
CHROMA SIGNAL INPUT
B-Y SIGNAL INPUT
+VCC
NC
14
13
12
11
10
9
8
volt-age regu-lator
demod (red)
chroma amp (red)
chroma amp (blue)
to demod, matrix
matrix (grn)
demod (blue)
bright ness signal control
blank-ing
to regulator
1
2
3
4
5
6
7
G-Y SIGNAL OUTPUT
R-Y SIGNAL OUTPUT
B-Y SIGNAL OUTPUT
BYPASS
GND
BLANKING SIGNAL INPUT
BRIGHTNESS SIGNAL INPUT

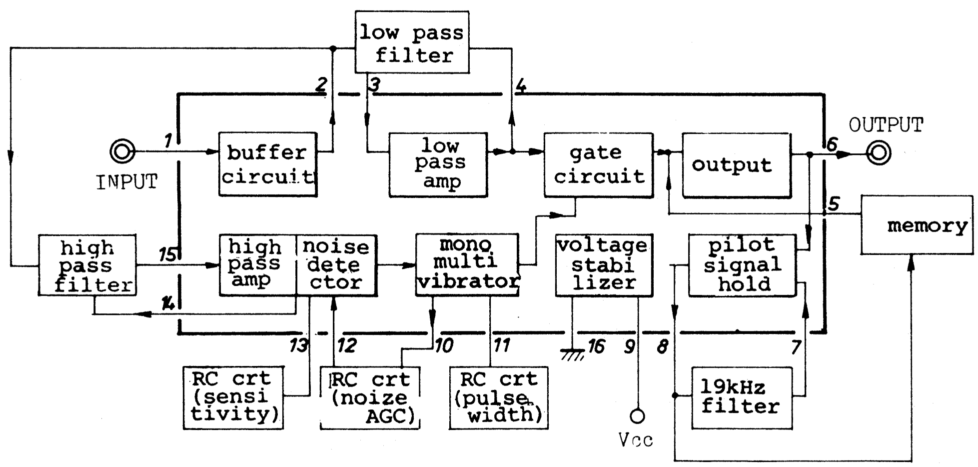
Z1013


V TRIGGER IN
V OUTPUT CENTER VOLTAGE
V DRIVE IN
V DRIVER
GND
BLANKING PULSE OUT
GND
HOLD DOWN IN
H BUFFER OUT
+VCC
1
2
3
4
5
6
7
8
9
10
11
12
V-Osc
PW Cont
V-Drive
BLK
Hold Down
H-Buffer
H-Osc
Sync Amp & N.C
Sync Sep
Delay
AND
AFC
24
23
22
21
20
19
18
17
16
15
14
13
+VCC
VIDEO IN
TIME CONSTANT CKT
SYNCHRO PULSE OUT
BURST GATE PULSE OUT
FLYBACK PULSE IN
AFC OUT
H SYNCHRO IN

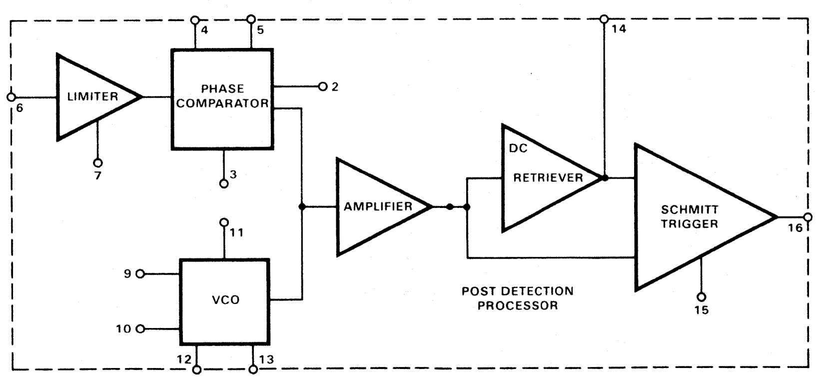
Z1014

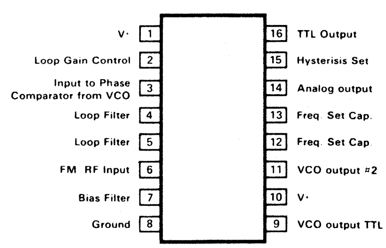


Z1015

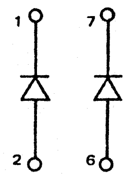


Z1016

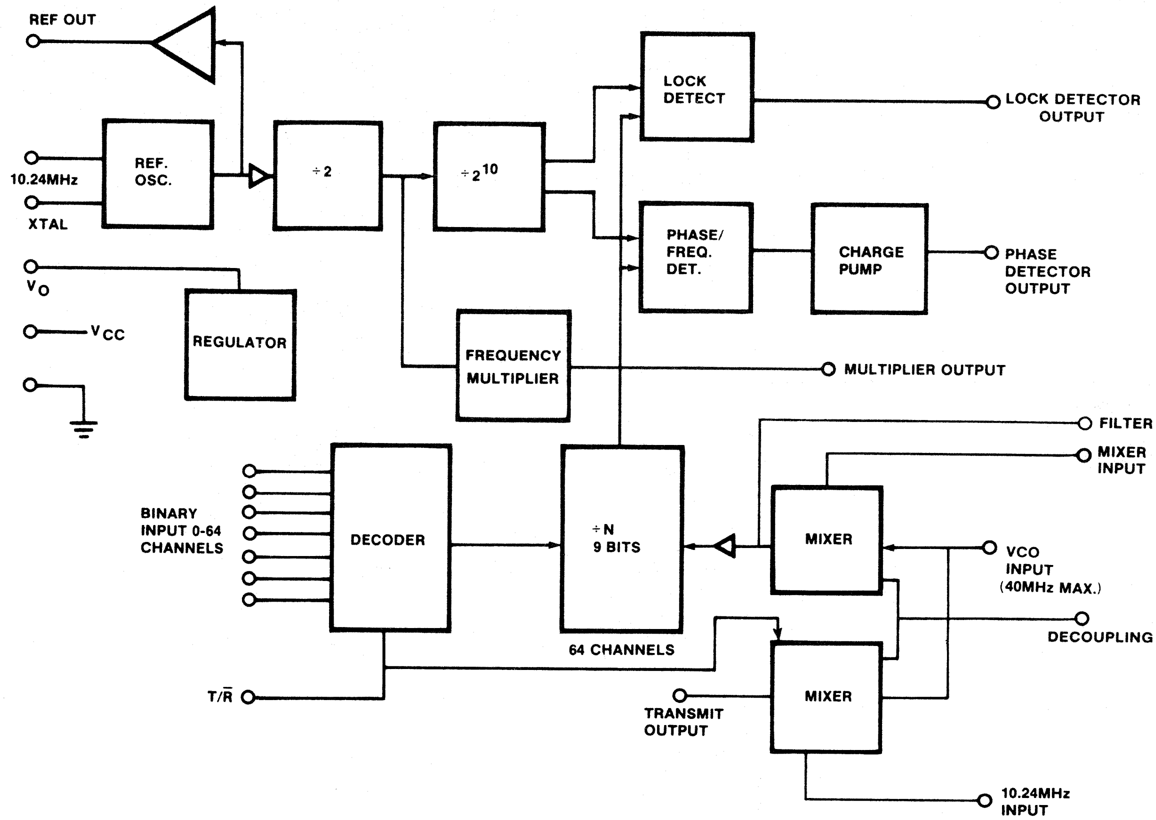




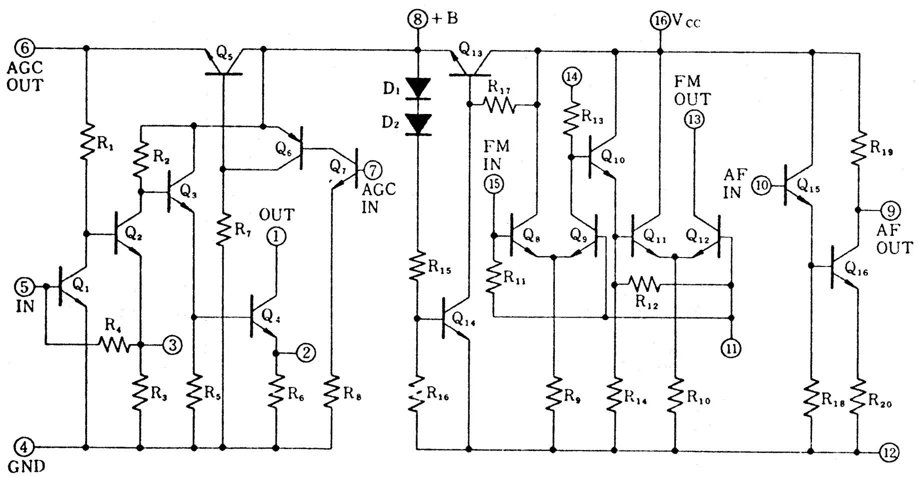
Z1017



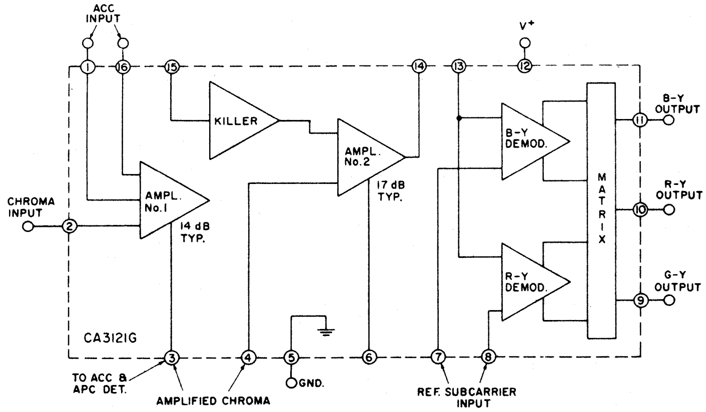
Z1018



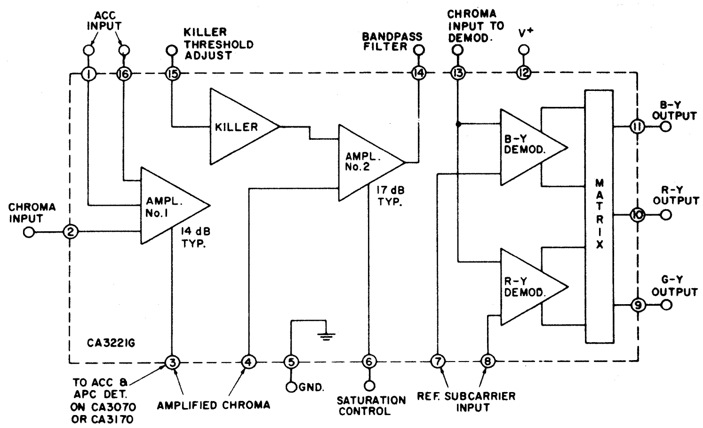
Z1019



Z1020


ACC INPUT
V+
B-Y OUTPUT
KILLER
AMPL. No.2
B-Y DEMOD.
17 dB TYP.
M A T R I X
R-Y OUTPUT
CHROMA INPUT
AMPL. No.1
14 dB TYP.
R-Y DEMOD.
G-Y OUTPUT
CA3121G
TO ACC & APC DET.
AMPLIFIED CHROMA
GND.
REF. SUBCARRIER INPUT

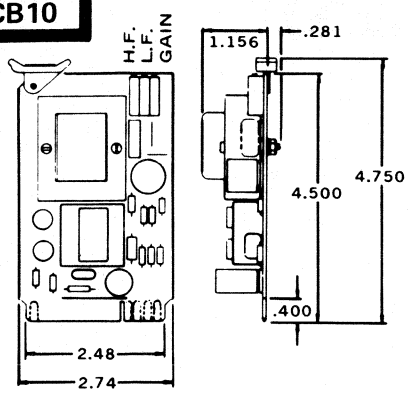
Z1021


ACC INPUT
KILLER THRESHOLD ADJUST
BANDPASS FILTER
CHROMA INPUT TO DEMOD.
V+
KILLER
B-Y OUTPUT
AMPL. No.2
B-Y DEMOD.
17 dB TYP.
M A T R I X
R-Y OUTPUT
CHROMA INPUT
AMPL. No.1
14 dB TYP.
R-Y DEMOD.
G-Y OUTPUT
CA3221G
TO ACC & APC DET. ON CA3070 OR CA3170
AMPLIFIED CHROMA
GND.
SATURATION CONTROL
REF. SUBCARRIER INPUT

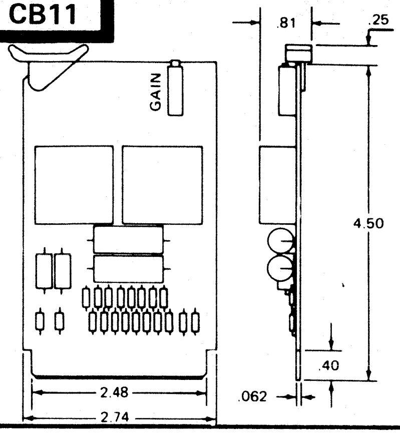
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

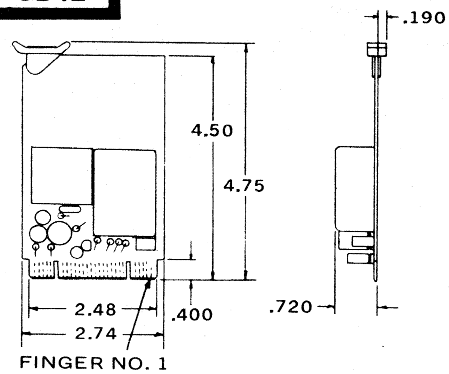
CB10



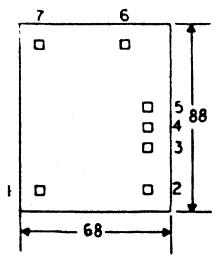
CB11



CB12

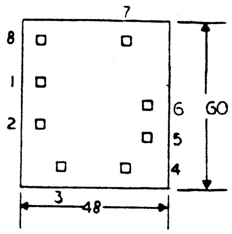


CH3



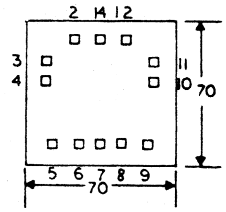
All dimensions are nominal and in mils (10^{-3} inches).

CH4



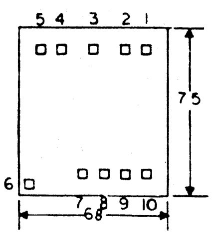
All dimensions are nominal and in mils (10^{-3} inches).

CH5



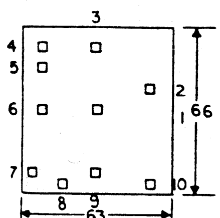
All dimensions are nominal and in mils (10^{-3} inches).

CH6



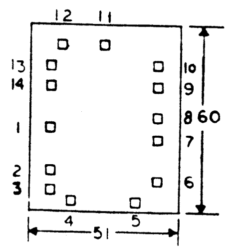
All dimensions are nominal and in mils (10^{-3} inches).

CH7



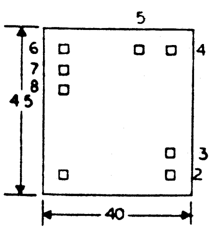
All dimensions are nominal and in mils (10^{-3} inches).

CH8



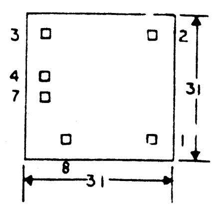
All dimensions are nominal and in mils (10^{-3} inches).

CH9



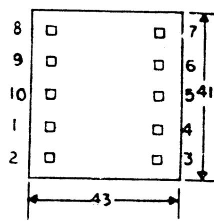
All dimensions are nominal and in mils (10^{-3} inches).

CH10



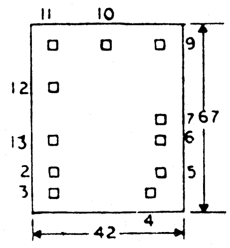
All dimensions are nominal and in mils (10^{-3} inches).

CH11



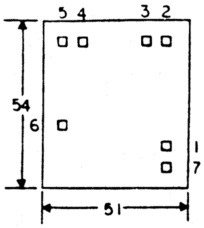
All dimensions are nominal and in mils (10^{-3} inches).

CH12



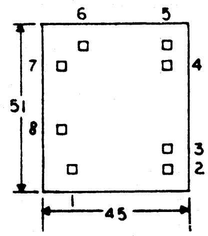
All dimensions are nominal and in mils (10^{-3} inches).

CH13



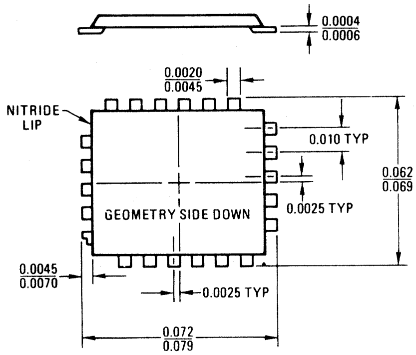
All dimensions are nominal and in mils (10^{-3} inches).

CH14

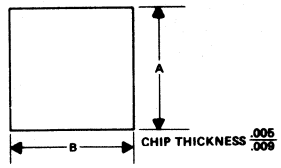


All dimensions are nominal and in mils (10^{-3} inches).

CH15

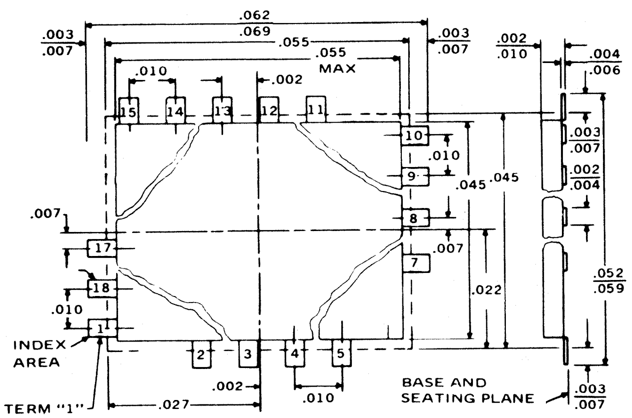


CH16

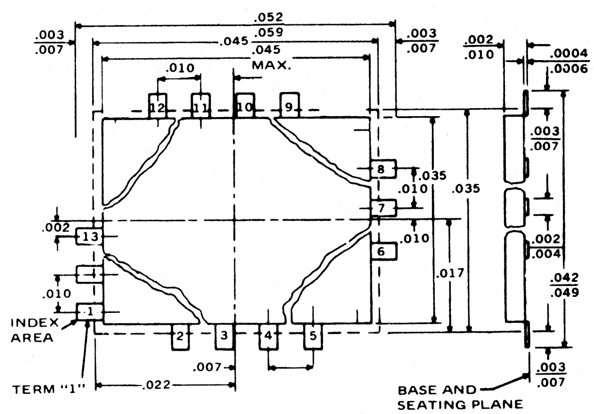


	A	B
CH16	.047/.055	.047/.055
CH16a	.042/.050	.042/.050
CH16b	.058/.066	.062/.070
CH16c	.037/.045	.037/.045
CH16d	.052/.060	.057/.065
CH16e	.047/.055	.052/.060
CH16f	.025/.033	.025/.033
CH16g	.053/.061	.057/.065
CH16h	.052/.060	.052/.060
CH16j	.049/.057	.048/.056
CH16k	.064/.072	.068/.076
CH16m	.029/.037	.029/.037
CH16n	.052/.060	.059/.067
CH16p	.062/.070	.070/.078
CH16q	.055/.063	.056/.064
CH16r	.048/.056	.049/.057
CH16s	.047/.055	.050/.058
CH16t	.027/.035	.032/.040
CH16u	.044/.052	.044/.052
CH16v	.051/.059	.054/.062
CH16w	.045/.057	.051/.059
CH16x	.054/.062	.058/.066
CH16y	.054/.062	.061/.069
CH16z	.052/.060	.101/.109
CH16aa	.068/.077	.062/.070
CH16ab	.050/.058	.052/.060

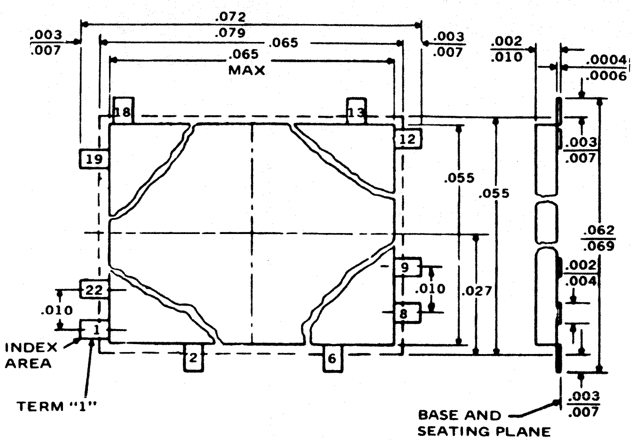
CH17



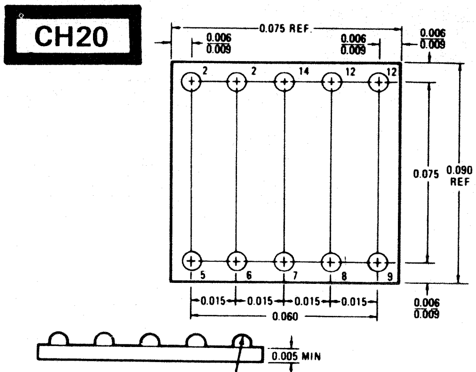
CH18



CH19

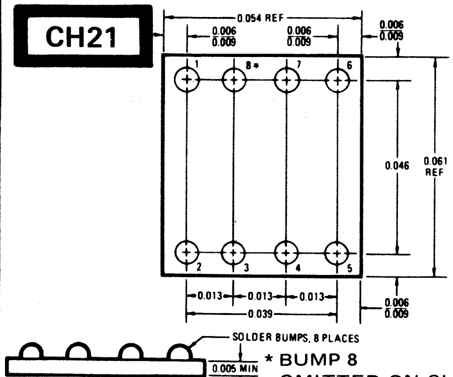


CH20



Bump Diameter at Base 0.006 ± 0.001
Bump Height 0.0040 ± 0.0005
Each bump centerline to be located within 0.001 of its true position with respect to any other bump centerline.

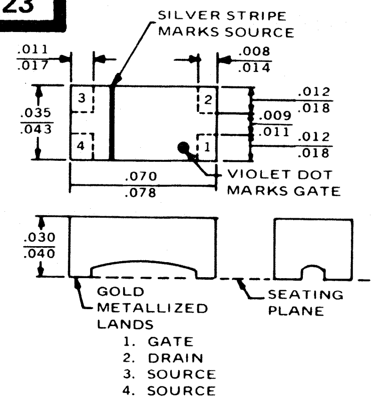
CH21



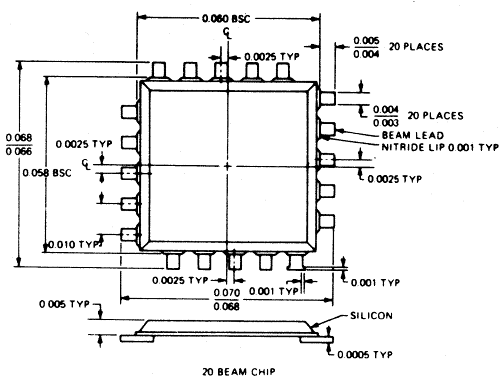
* BUMP 8 OMITTED ON CH21a

Bump Dia. at Base 0.006 ± 0.001 in Bump Height 0.0040 ± 0.0005 in
Each bump centerline to be located within 0.001 in. of its true position with respect to any other bump centerline.

CH23



CH24

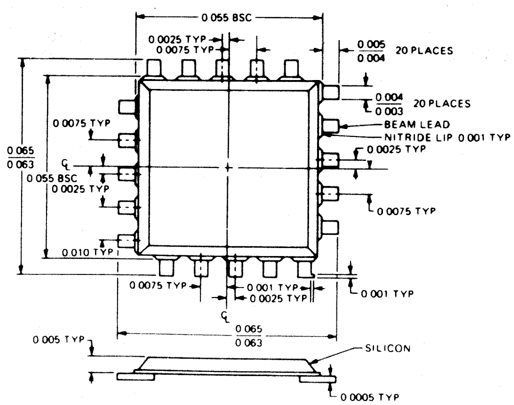


20 BEAM CHIP

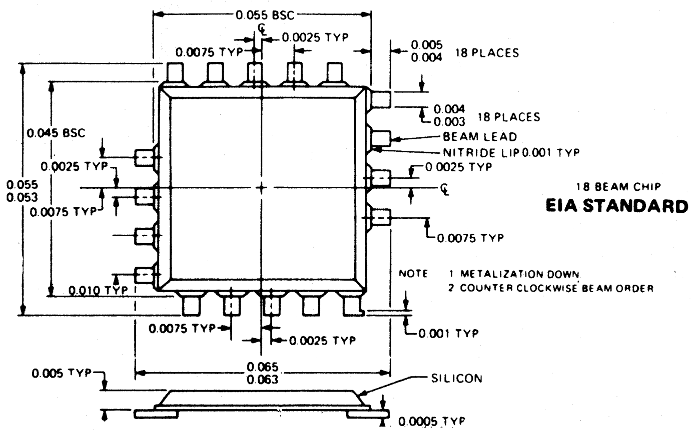
NOTE 1 METALIZATION DOWN
2 COUNTER CLOCKWISE BEAM ORDER

CH25

20 BEAM CHIP
EIA STANDARD
NOTE 1 METALIZATION DOWN
2 COUNTER CLOCKWISE BEAM ORDER



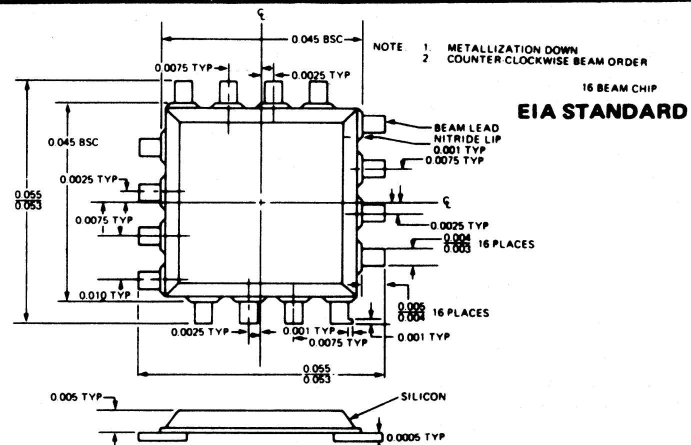
CH26



18 BEAM CHIP
EIA STANDARD

NOTE 1 METALIZATION DOWN
2 COUNTER CLOCKWISE BEAM ORDER

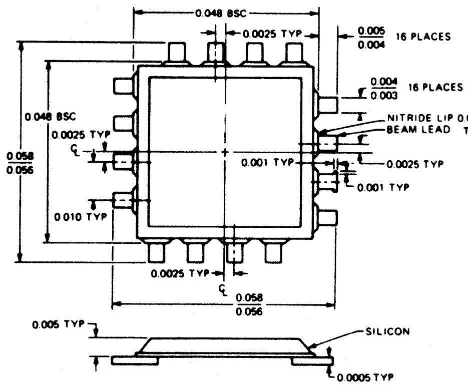
CH27



NOTE 1. METALLIZATION DOWN
2 COUNTER CLOCKWISE BEAM ORDER

16 BEAM CHIP
EIA STANDARD

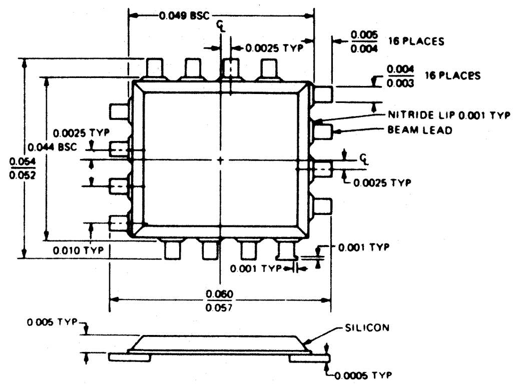
CH28



NOTE 1 METALIZATION DOWN
2 CLOCKWISE BEAM ORDER

16 BEAM CHIP

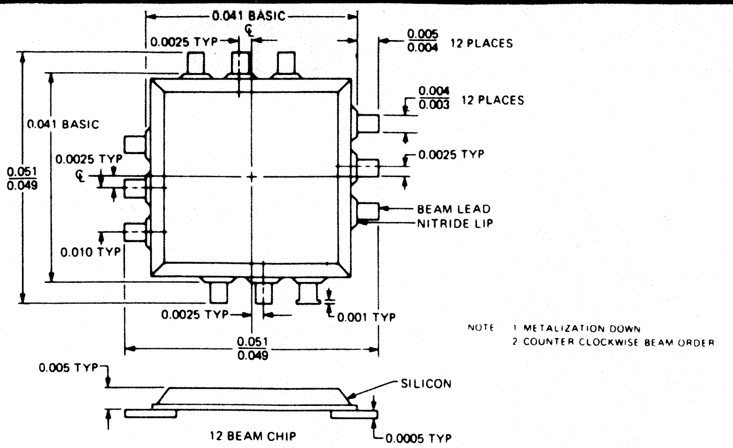
CH29



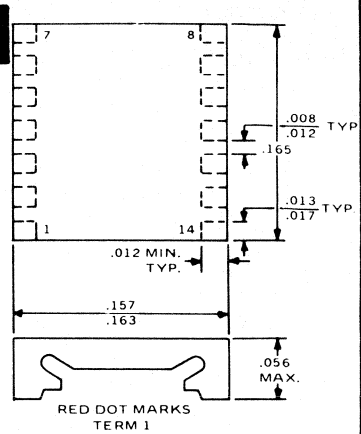
16 BEAM CHIP

NOTE 1 METALIZATION DOWN
2 COUNTER CLOCKWISE BEAM ORDER

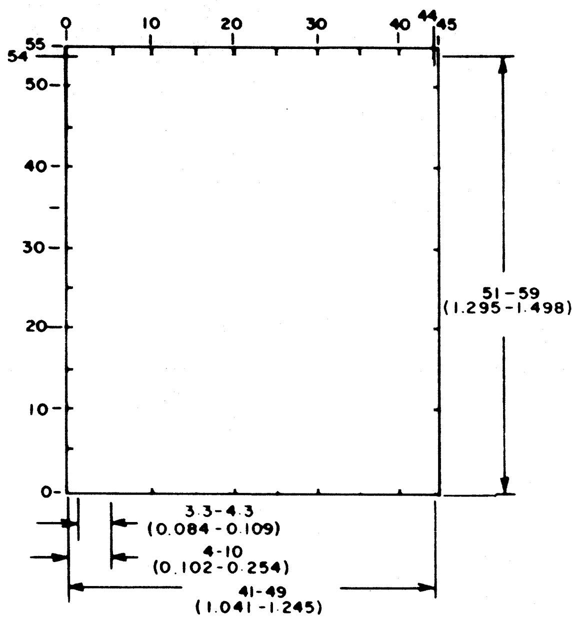
CH30



CH31

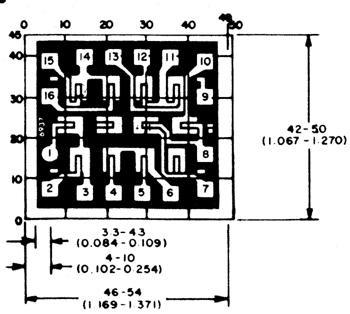


CH32



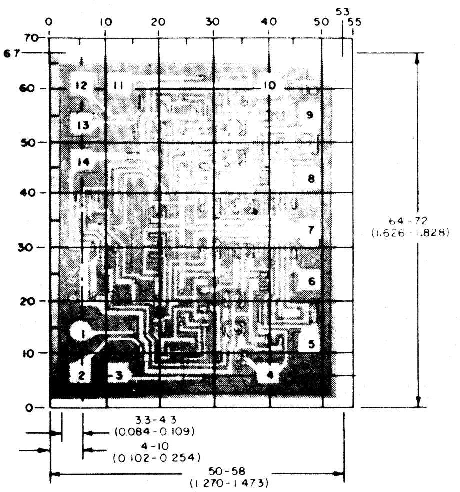
Dimensions in parentheses are in millimeters and are derived from the basic inch dimensions as indicated. Grid graduations are in mils (10^{-3} inch).

CH33



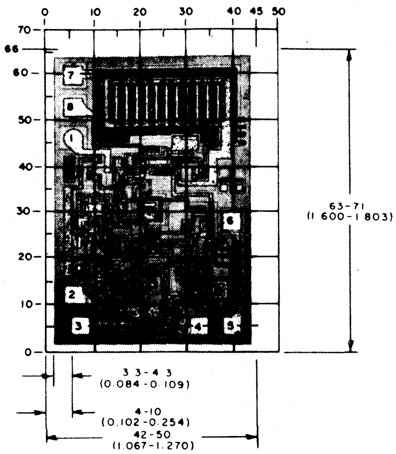
Dimensions in parentheses are in millimeters and are derived from the basic inch dimensions as indicated. Grid graduations are in mils (10^{-3} inch).

CH34



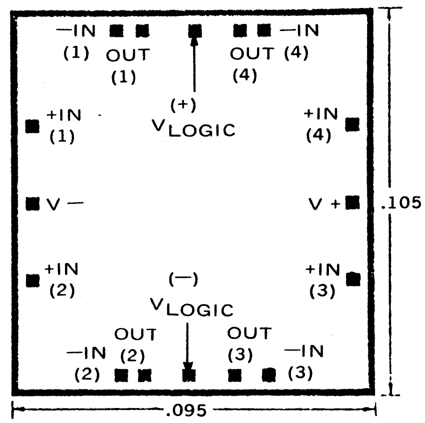
Dimensions in parentheses are in millimeters and are derived from the basic inch dimensions as indicated. Grid graduations are in mils (10^{-3} inch).

CH35



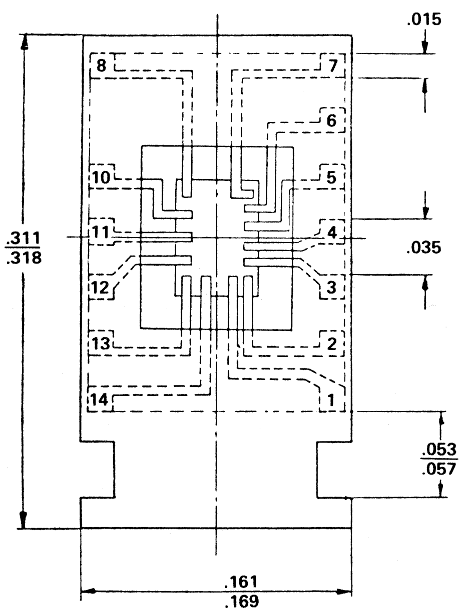
Dimensions in parentheses are in millimeters and are derived from the basic inch dimensions as indicated. Grid graduations are in mils (10^{-3} inch).

CH36

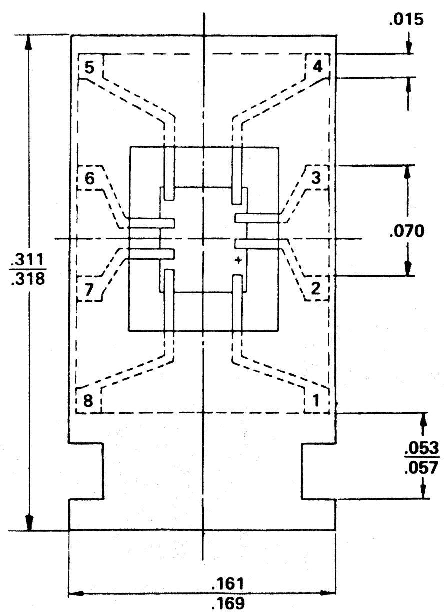


PAD DIMENSIONS .004x.004

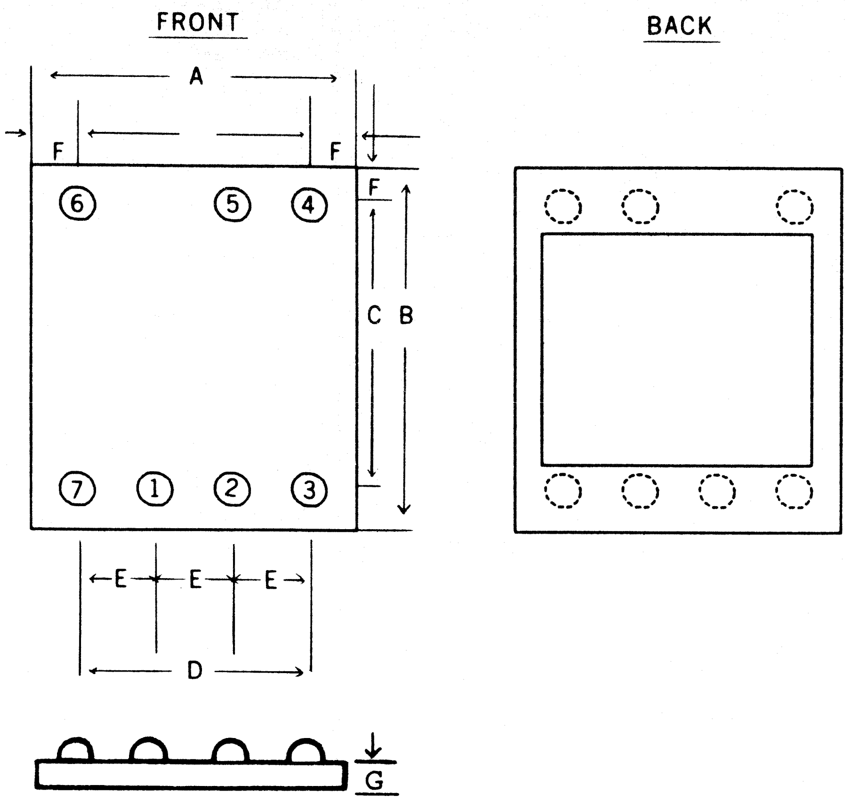
CH37



CH38



CH39



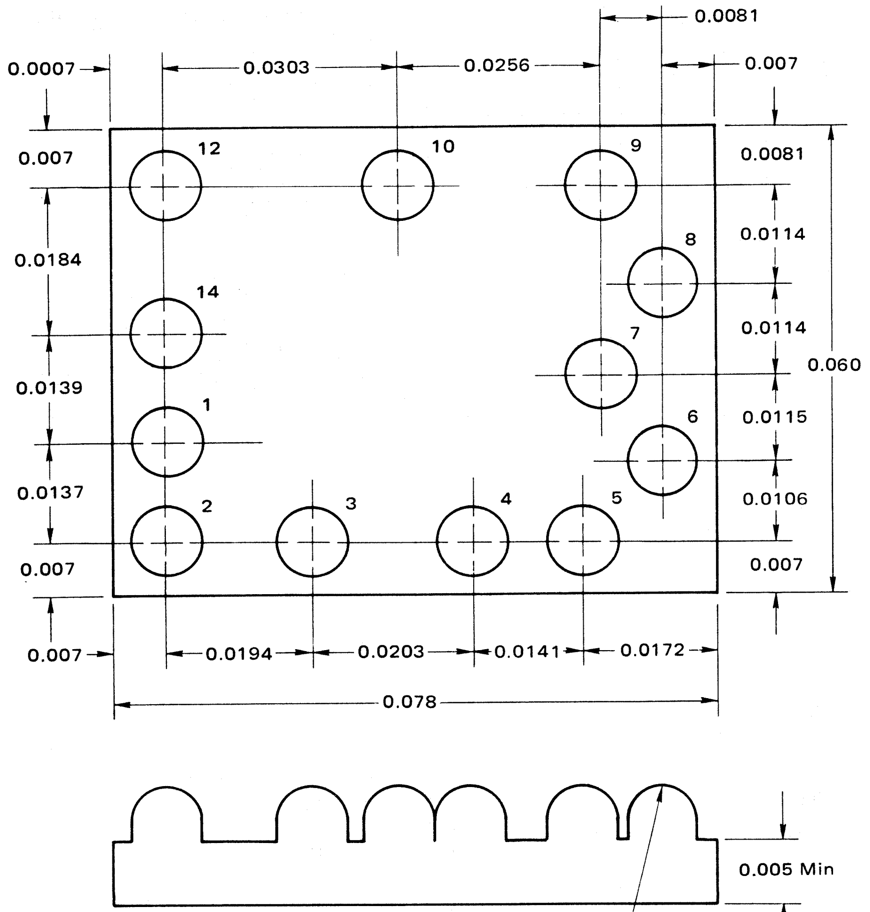
Bump diameter 0.0006″ ± 0.001 (H)
Bump height 0.004″ (J)

NOMINAL DIMENSIONS

Inches

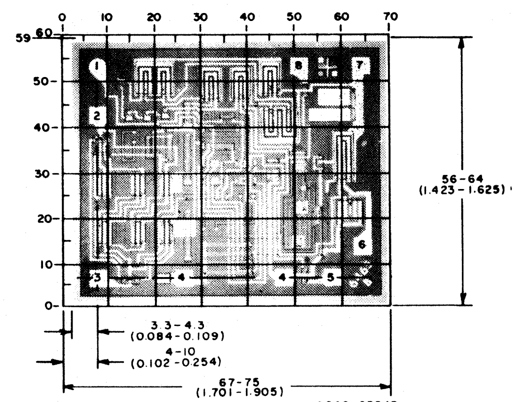
0.054
0.073
0.061
0.039
0.013
0.0075
0.005Min
0.006
0.0025Min

CH40



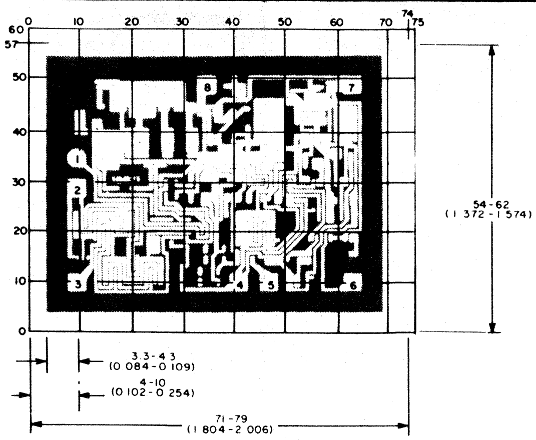
Bump Diameter at Base 0.006 ± 0.001
Bump Height: 0.0040 ± 0.0005
Dimensions in mils

CH41



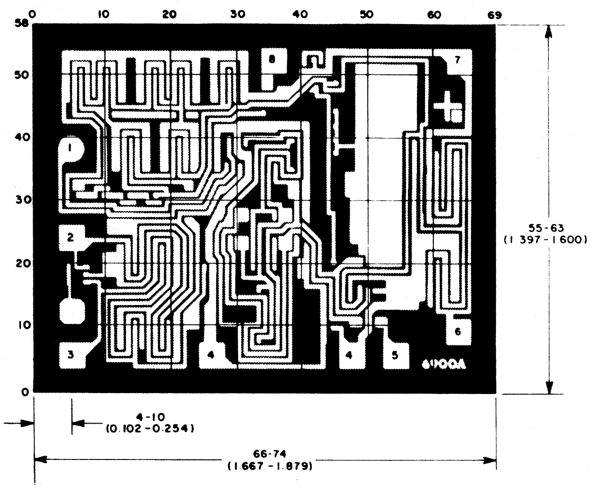
Dimensions in parentheses are in millimeters and are derived from the basic inch dimensions as indicated. Grid graduations are in mils (10^{-3} inch).

CH42



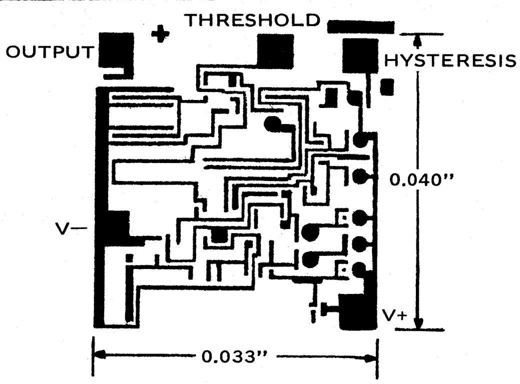
Dimensions in parentheses are in millimeters and are derived from the basic inch dimensions as indicated. Grid graduations are in mils (10^{-3} inch).

CH43



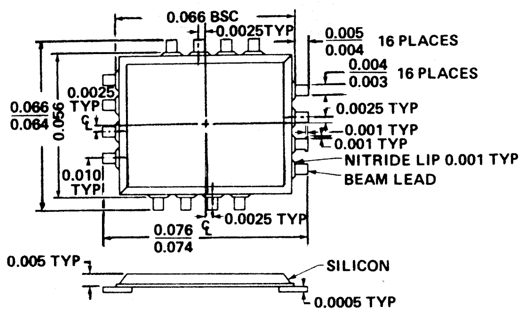
Dimensions in parentheses are in millimeters and are derived from the basic inch dimensions as indicated. Grid graduations are in mils (10^{-3} inch).

CH44



DIE IS PASSIVATED WITH A DEPOSITED OXIDE. BONDING PAD OXIDE WINDOWS ARE 3.6x3.6 MILS SQUARE.

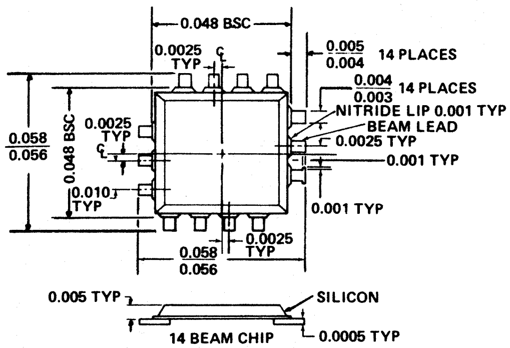
CH45



16 BEAM CHIP
RAYTHEON STANDARD

NOTE: 1. METALIZATION DOWN
2. CLOCKWISE BEAM ORDER

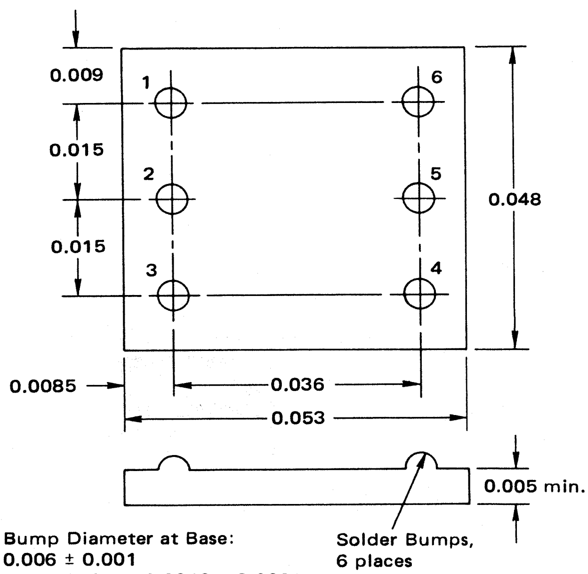
CH46



14 BEAM CHIP
RAYTHEON STANDARD

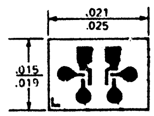
NOTE: 1. METALIZATION DOWN
2. CLOCKWISE BEAM ORDER

CH47

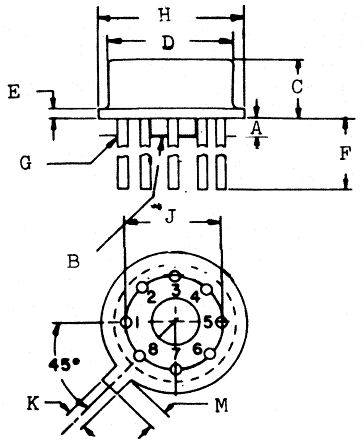


Bump Diameter at Base:
0.006 ± 0.001
Bump Height: 0.0040 ± 0.0005

CH48

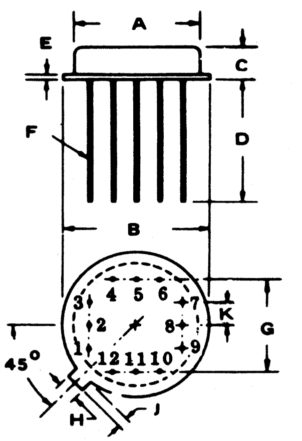


CN1



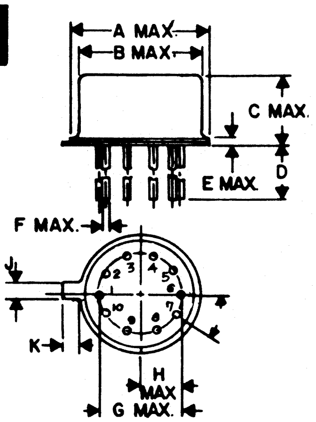
	A	B	C	D	E	F	G	H	J	K	M	REMARKS
CN1	.040	.160	.185	.335	.125	.500	.019	.370	.215	.034	.045	
CN1a	.050		.185	.335	.125	.500	.019	.370	.215	.034	.045	
CN1b	.040	.160	.182	.328		1.59	.019	.362	.200	.034	.045	
CN1c	.050		.185	.335	.040	.500	.019	.370	.200	.034	.045	
CN1d	.040 MAX		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.200	.028 .034	.029 .045	
CN1e			.165 .185	.305 .335	.009 .125	.500 MIN	.016 .019	.335 .370	.200	.028 .034	.029 .045	OMIT PINS 2,6
CN1f	.040 MAX		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.230	.028 .034	.029 .045	
CN1g	.015 .045		.165 .185	.315 .325	.020 .030	.500 .562	.016 .019	.355 .370	.190 .210	.028 .034	.029 .040	
CN1h	.040 MAX		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.200	.028 .034	.029 .045	OMIT PINS 2,6
CN1j	.024 MAX		.150 .155	.322 .325	.024	.500 .559		.346 .350	.190 .210	.027 .034	.036	
CN1k	.010 .040		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.200	.028 .034	.029 .045	
CN1m	.040 MAX	.160 MAX	.155 .165	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.225 .235	.028 .034	.029 .045	
CN1n	NA	NA	.175 .194	.315 .325		.500 MIN	.019	.335 .370	.200	.031	.037	NO STANDOFF
CN1p	.010 .040	.120 .160	.165 .185	.305 .335	.010 .040	.500 MIN	.016 .019	.335 .370	.200 BSC	.028 .034	.029 .045	
CN1q	.040		.170	.325		.500	.017	.360	.200	.034	.040	
CN1r	.040		.170	.325		.500 MIN	.017	.360	.230	.034	.040	
CN1s			.160 .180			.500 .560	.016 .021	.357 .370	.200			
CN1t	.010 .045	.120 .160	.165 .185	.305 .335	.040 MAX	.500 .750	.016 .019	.335 .370	.200 BSC	.027 .034	.027 .045	
CN1u	.007 .059	.177 MAX	.177 MAX	.334 MAX		.492 MIN	.017	.370 MAX	.199	.031	.031	
CN1v	.040 MAX		.165 .185	.305 .335	.040 MAX	.500 MIN	.016 .019	.335 .370	.200 TYP	.028 .034	.029 .045	OMIT PINS 4,8
CN1w	.039 MAX		.185 MAX	.322 .330		.492 .570	.017	.354 .362	.200			

CN2



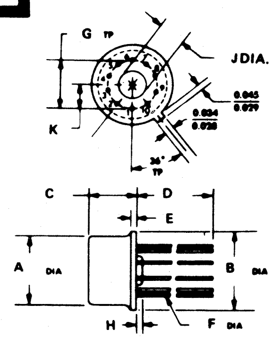
	A	B	C	D	E	F	G	H	J	K	NOTES
CN2	.500	.600	.140	.750	.023	.020	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2a	.450	.505	.150	.440		.019	.300 TYP	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2b		.500	.250	.500 MIN			.300	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2c	.550	.598 .602	.125 .150	.500 MIN		.017	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2d	.550 MAX	.605	.250 MAX	.562 MAX	.030	.015 .019	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2e	.535 .565	.585 .615	.170 MAX	.500 MIN	.035	.015 .019	.390 .410	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2f	.500	.595 .605	.135 .145	.450 MIN	.023	.019 MAX	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2g	.500	.595 .605	.270 MAX	.450 MIN	.023	.019 MAX	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2h	.535 .565	.585 .615	.175 MAX	.500 MIN	.026 MAX	.015 .019	.400 TP	.020 .040	.020 .040	.100	ALL PINS ON .100 GRID SPACING
CN2j	.550 MAX	.605 MAX	.175 MAX	.562 MAX	.030 MAX	.015 .017	.400	.040 MAX	.040 MAX	.100	ALL PINS ON .100 GRID SPACING
CN2k	.550 MAX	.605 MAX	.135 .145	.450 MIN	.023	.015 .019	.400	.040 MAX	.040 MAX		
CN2m	.550 MAX	.605 MAX	.250 MAX	.450 MIN	.023	.015 .019	.400	.040 MAX	.040 MAX		
CN2n	.450	.500	.220 MAX	.220 .280	.035 MAX	.016 .019	.300 TYP			.075 TYP	
CN2p	.550	.600	.150	.750 MIN	.023	.021	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2q	.550	.595 .605	.170 .180	.450 MIN	.023	.019 MAX	.400	.031	.031	.100	ALL PINS ON .100 GRID SPACING
CN2r		.500	.270	.500 .560	.020	.016 .020	.300	.030	.030	.075	
CN2s	.550	.600	.270	.450	.023	.019	.400	.031	.031	.100	
CN2t		.500	.190 MAX	.500			.400			.100	ALL PINS ON .100 GRID SPACING

CN8



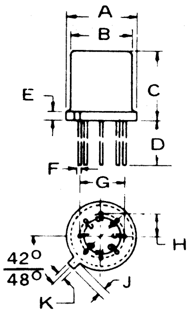
	A	B	C	D	E	F	G	H	J	K
CN8	.370	.329	.290	.500 MIN	.029		.235	.1175	.033 MAX	.040 MAX
CN8a	.370	.329	.260	.500 MIN	.029	.019	.235	.1175	.033 MAX	.040 MAX
CN8d	.370	.335	.180	.500 MIN	.125	.019	.230	.115	.034 MAX	.029 MIN
CN8e	.370	.335	.185	.300 TYP		.019	.230		.034 MAX	.034 MAX
CN8f	.370	.335	.250	.500		.018	.230	.115		
CN8g	.370	.335	.180	.750 MIN		.019	.230 TYP		.028/.034	.026/.034
CN8h	.370 MAX	.334 MAX	.183 MAX	.500 MIN		.014 MAX	.200		.033 MAX	.039 MAX
CN8j	.335/.370	.305/.335	.180 MAX	.750 MIN	.040 MAX	.016/.019	.230 BSC	.115 BSC	.028/.034	.029/.045

CN10



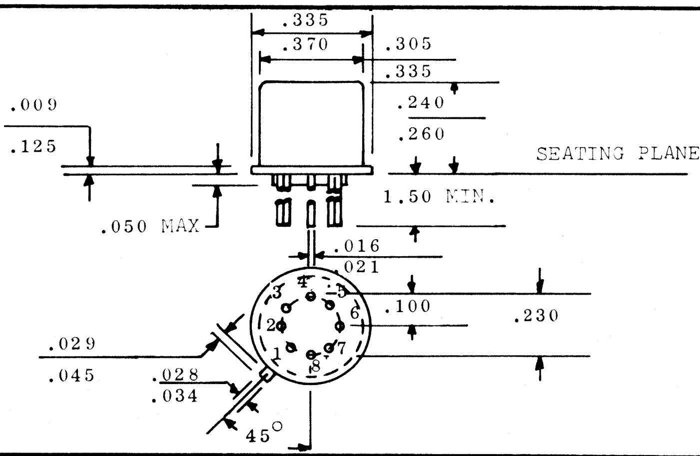
	A	B	C	D	E	F	G	H	J	K
CN10	.335	.370	.185	.500	.125	.021	.240	.010/.040	.160	.115 TYP
CN10a	.335	.370	.180	.500	.125	.019	.230	.010/.040	.160	.115 TYP
CN10b	.305/.335	.335/.370	.180 MAX	.750 TYP		.016/.019	.230			
CN10c	.335	.370	.180	.750		.019	.230	.010/.040	.160	.115 TYP
CN10d	.335	.370	.180	.500		.020	.230			
CN10e	.305/.335	.335/.370	.165/.185	.500/.750	.040 MAX	.016/.019	.230	.010/.045	.120/.160	.115
CN10f	.305/.335	.335/.370	.240/.260	.500 MIN	.040 MAX	.016/.019	.230	.040 MAX		.115
CN10g	.315 .325	.355 .370	.240 .260	.750 MIN	.020 .030	.016 .019	.220 .240	.015 .045	.120 .160	
CN10h	.315/.325	.355/.370	.165/.185	.750/.810	.020/.030	.016/.019	.220/.240	.015/.045	.120/.160	
CN10j	.305/.335	.335/.370	.180 MAX	.750 TYP	.040	.016/.019	.230 TYP			
CN10k	.305/.335	.335/.370	.240/.260	.500 MIN	.040 MAX	.016/.019	.230	.040 MAX	.140/.160	
CN10m	.305/.335	.335/.370	.180 MAX	.500 MIN	.040 MAX	.016/.019	.230 T.P.	NA	NA	.115 T.P.
CN10n	.305/.335	.335/.370	.165/.185	.500/.562	.020/.040	.016/.019	.230			
CN10p	.305/.335	.335/.370	.240/.260	.500 MIN	.040 MAX	.016/.019	.220/.240	.050 MAX		
CN10q	.305/.335	.335/.370	.165/.185	.500 MIN	.040 MAX	.016/.019	.230	.010/.040	.160 MAX	.115/TYP

CH11

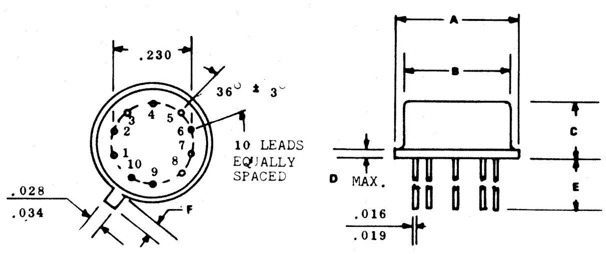


	A	B	C	D	E	F	G	H	J	K
CN11	.365	.330	.255	1.51 MIN	.035 MAX	.019	.210	.095/.105	.029/.035	.028/.034
CN11a	.370		.180	.500 MIN		.021	.200	.095/.105	.029/.035	.028/.034
CN11b	.370	.335	.182	.500 MIN	.080 MAX	.019	.210	.095/.105	.029/.035	.028/.034
CN11c	.370	.329	.165	.495 MIN	.029 MAX	.019	.235	.095/.105	.029/.035	.028/.034
CN11d	.360	.300	.280	.530 MIN	.030 MAX	.017	.200	.095/.105	.029/.035	.028/.034
CN11e	.340/.370	.318/.328	.165/.185	.500/.560	.010/.040	.016/.021	.190/.210		.028/.033	.029/.033

CN14

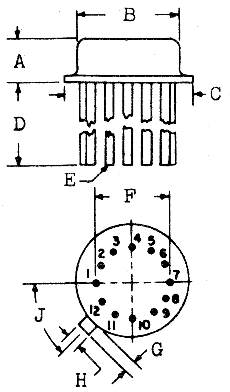


CN17



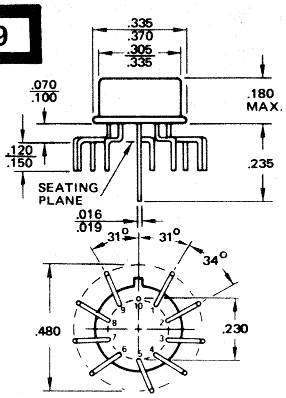
	A	B	C	D	E	F
CN17	.335/.370	.305/.333	.265	.040	.500	.029/.045
CN17a	.290/.370	.290/.335	.140/.180	.009/.125	.500	.029/.045
CN17b	.335/.370	.305/.335	.180 MAX		.750	.026/.034
CN17c	.335/.370	.305/.335	.185	.009/.125	.300 MIN	.029/.045
CN17d	.335/.370	.305/.335	.260	.009/.125	.500 MIN	.029/.045
CN17e	.370 MAX		.260 MAX		1.00 MIN	.029/.045
CN17f	.335/.370	.305/.335	.180 MAX		.335/.370	.024/.045
CN17g	.335/.370	.319/.329	.260/.290	.022/.029	.500	.030/.040
CN17h	.335/.370	.305/.335	.180 MAX		.500 MIN	.024/.045
CN17j	.335/.370	.319/.329	.155/.185	.022/.029	.500/.560	.030/.040
CN17k	.335/.370	.319/.329	.240/.260	.022/.029	.500/.560	.030/.040
CN17m	.335/.370	.319/.329	.180/.210	.022/.029	.500/.560	.030/.040
CN17n	.335/.370	.305/.335	.240/.260	.040 MAX	.500/.560	.029/.045

CN18

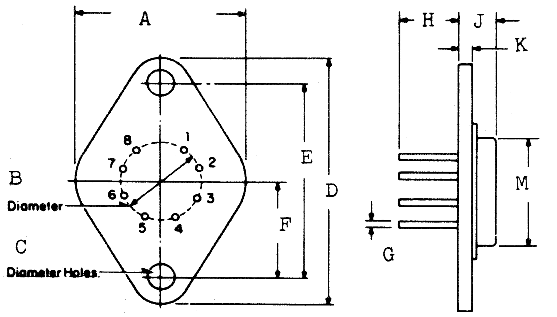


	A	B	C	D	E	F	G	H	J
CN18	.180 MAX	.305 .335	.335 .370	.500 MIN	.016 .020	.215 .245	.024 .045	.028 .034	30°
CN18a	.220 MAX	.305 .335	.335 .370	.500 MIN	.016 .020	.215 .245	.024 .045	.028 .034	
CN18b	.160 .180		.357 .370	.500 .560	.016 .021	.200			
CN18c	.150 .175	.545 .555	.597 .603	.500 .560	.016 .019	.400	.026 .036	.026 .036	45°
CN18d	.165 .185	.305 .335	.335 .370	.500 MIN	.016 .019	.230 TYP	.029 .045	.028 .034	30° TYP
CN18e	.259 MAX	.334 MAX	.370 MAX	.748 MIN	.017	.200	.031	.031	30°

CN19

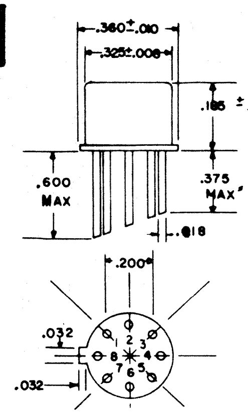


CN22

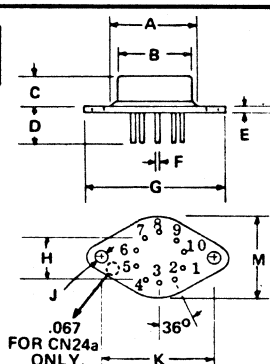


	A	B	C	D	E	F	G	H	J	K	M
CN22	1.01	.500	.156	1.54	1.18	.593	.040	.220 .280	.240	.085 .100	.100
CN22b	1.000	.500	.156	1.540	1.185			.400	.400	.080	.745
CN22c	1.000	.500		1.550 MAX	1.187		.042	.220 .280	.350 MAX	.085 .100	.780 MAX
CN22d		.495 .505	.166 .176		1.18 1.19		.040	.220 .280	.355 .395	.085 .100	.875 MAX
CN22e	1.020 MAX	.500	.151 .161	1.560 MAX	1.177 1.197	.588 .598	.040	.250 MIN	.400 MAX	.100	
CN22f		.495 .505	.166 .176		1.18 1.19		.040	.220 .280	.325 .352	.085 .100	.875 MAX
CN22g		.490 .510	.153 .159		1.182 1.192		.040 TYP	.480 .500	.344 .364	.085 .100	.770 MAX

CN23

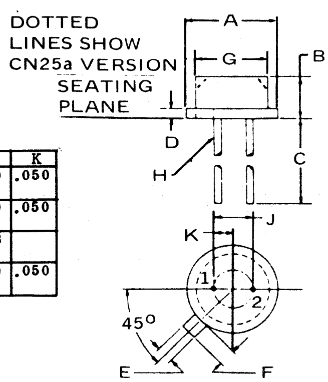


CN24



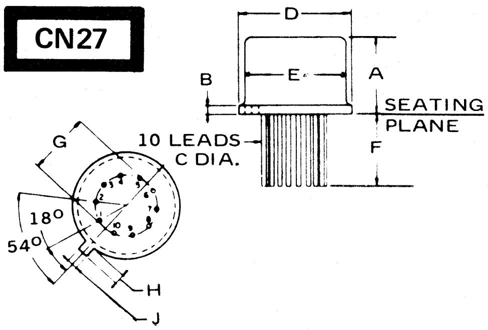
	A	B	C	D	E	F	G	H	J	K	M
CN24	.846 MAX	.780 MAX	.335	.252	.087	.039	1.57	.500	.157	1.20	1.01
CN24a		.811	.236	.335	.079	.039	1.55	.500		1.18	1.03
CN24b		.850 .910	.265 .350	.260 MIN	.085 .100	.025 .035		.500	.154 .159	1.177 1.197	.990 1.010

CN25



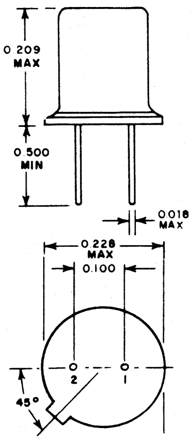
	A	B	C	D	E	F	G	H	J	K
CN25	.209 .230	.090	.500 MIN	.040 MAX	.036 .046	.028 .048	.178 .195	.012 .019	.100	.050
CN25a	.224	.208	.511				.178 .195	.012 .019	.100	.050
CN25b	.210 .230	.169 .208	.499 MIN	.029 MAX	.039	.039	.181 .192	.019	.098	
CN25c	.209 .230	.115 .150	.500				.178 .195	.016 .021	.100	.050

CN27

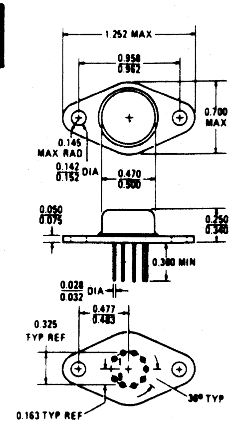


	A	B	C	D	E	F	G	H	J
CN27	.210 MAX	.009 .125	.016 .021	.370 MAX	.335 MAX	.500 MIN	.200	.029 .045	.028 .034
CN27a	.165 .185	.010 .080	.016 .019	.370 MAX	.335 MAX	.500 MIN	.200	.029 .045	.028 .034
CN27b	.165 .185	.010 .040	.016 .021	.340 .370	.318 .328	.500 .560	.190 .210	.029 .033	.028 .034

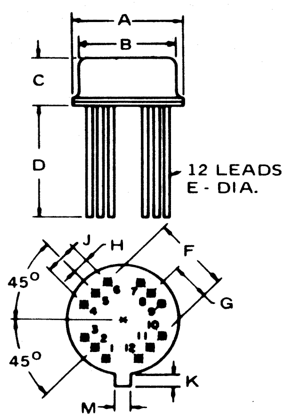
CN28



CN30

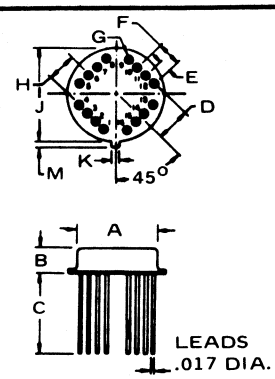


CN34



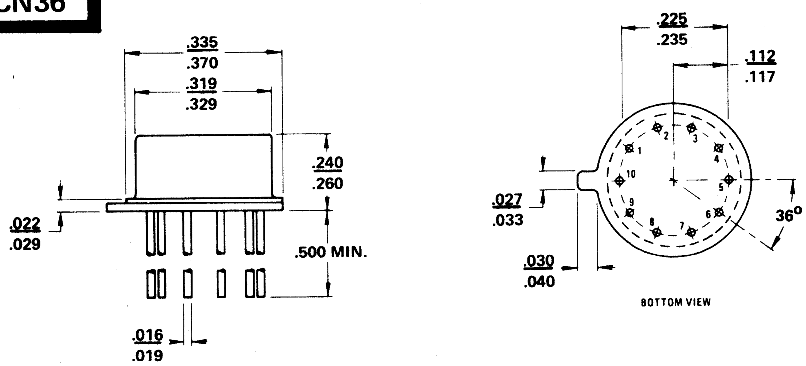
	A	B	C	D	E	F	G	H	J	K	M
CN34	.495 / .505	.450 REF	.125 / .150	.360 / .440	.016 / .019	.300 TYP	.150 TYP	.075 TYP	.150 TYP	.031	.031
CN34a	.597 / .603	.550 REF	.185 MAX	.500 MIN	.017	.400 TYP	.200 TYP	.100 TYP	.200 TYP	.031	.031

CN35

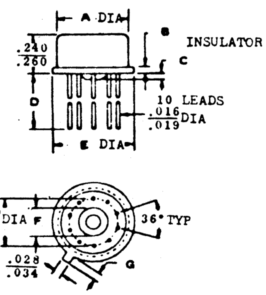


	A	B	C	D	E	F	G	H	J	K	M
CN35	.550 REF	.265 REF	.500 MIN	.187 TYP	.075 TYP	.150 TYP	.060 TYP	.150 TYP	.598 / .602	.031	.031
CN35a	.550 REF	.150 MAX	.500	.187 TYP	.075 TYP	.150 TYP		.150 TYP	.598 / .602	.031	.031

CN36

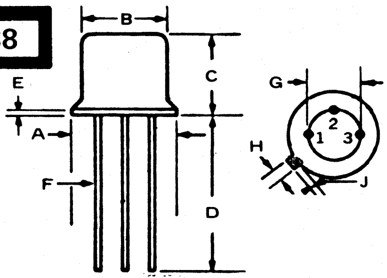


CN37



	A	B	C	D	E	F	G	H
CN37	.315 / .325	.020 / .030	.015 / .045	.750 MIN	.355 / .370	.120 / .160	.030 / .040	.240 / .260
CN37a	.305 / .339	.040 MAX	.040 MAX	.500 MIN	.355 / .370	.115	.029 / .045	.240 / .260
CN37b	.315 / .325	.020 / .030	.015 / .045	.500 / .562	.355 / .370	.120 / .160	.029 / .040	.235 / .255

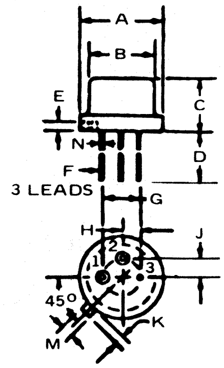
CN38



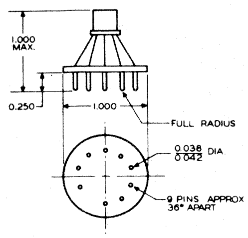
	A	B	C	D	E	F	G	H	J
CN38	.362 MAX	.32[illegible] MAX	[illegible] MAX	.750 MIN		.016 / .019	.200 TYP	.034 MAX	
CN38a	.335 / .370	.305 / .335	.165 / .185	.500 MIN	.060 MAX	.016 / .019	.200	.028 / .034	.029 / .045
CN38b	.350 / .370	.315 / .335	.165 / .185	.500 MIN		.016 / .019	.200	.028 / .034	.029 / .045
CN38c	.350 / .370	.315 / .335	.240 / .260	.500 MIN	.030 MAX	.016 / .019	.200	.028 / .034	.029 / .040
CN38d	.335 / .370	.305 / .335	.165 / .185	.500 MIN	.040 MAX	.016 / .019	.200	.028 / .034	.029 / .045

CN40

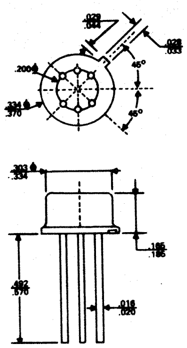
	A	B	C	D	E	F	G	H	J	K	M	N
CN40	.335 / .370	.305 / .335	.165 / .185	.500 MIN	.040 MAX	.016 / .019	.200	.100	.100	.029 / .045	.028 / .034	.016 / .019
CN40a	.335 / .370	.305 / .335	.240 / .260	.500 MIN	.009 / .041	.016 / .021	.200	.100		.029 / .045	.028 / .034	.016 / .019
CN40b	.355 / .375	.315 / .325	.165 / .185	.500 / .562	.020 / .030	.016 / .019	.190 / .210	.095 / .105	.095 / .105	.029 / .040	.028 / .034	.016 / .019



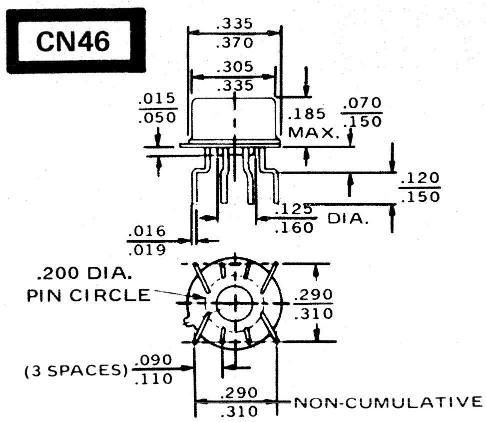
CN41



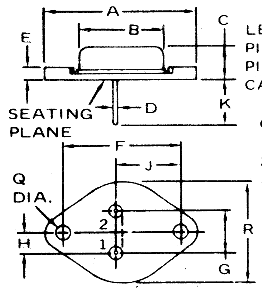
CN44



CN46



CN48

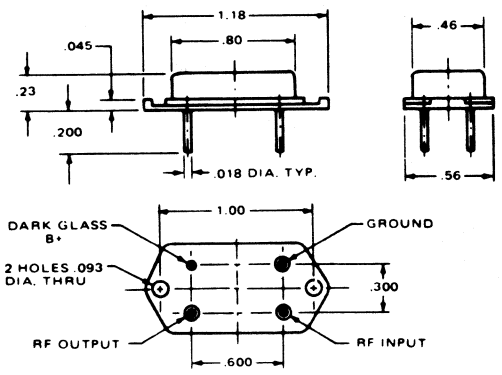


LEAD CONFIGURATION:
PIN 1 — INPUT
PIN 2 — OUTPUT
CASE: GND

CN48b:
1—COMMON
2—OUTPUT
3—(CASE) - INPUT

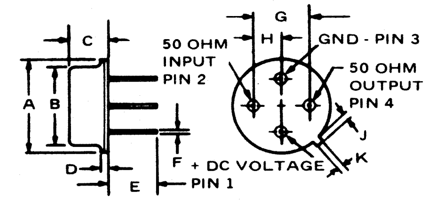
	A	B	C	D	E	F	G	H	J	K	Q	R
CN48	1.55 MAX	.830 MAX	.250 / .300	.039 / .043	.135 MAX	1.177 / 1.197	.420 / .440	.210 / .220	.655 / .675	.440 / .480	.151 / .161	1.050 MAX
CN48a		.875 MAX	.325 / .352	.038 / .043	.135 MAX	1.177 / 1.197	.420 / .440	.205 / .225	.655 / .675	.312 MIN	.188 MAX	
CN48b	1.575 MAX	.830 MAX	.308 / .326	.038 / .043	.059 / .066	1.177 / 1.197	.420 / .440	.205 / .225	.655 / .675	.440 / .448	.151 / .161	1.050 MAX

CN54



Notes: 1. All dimensions in inches
2. Case is RF ground connection

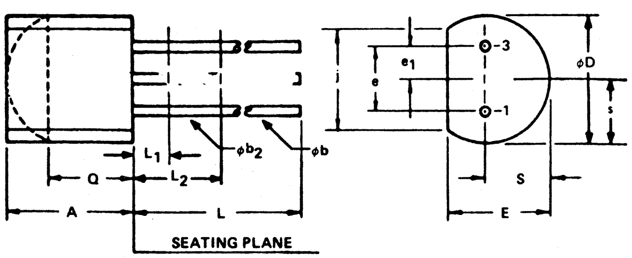
CN55



NOTE: PINS ARE NUMBERED 1 THRU 4 CLOCKWISE FROM KEY TAB.

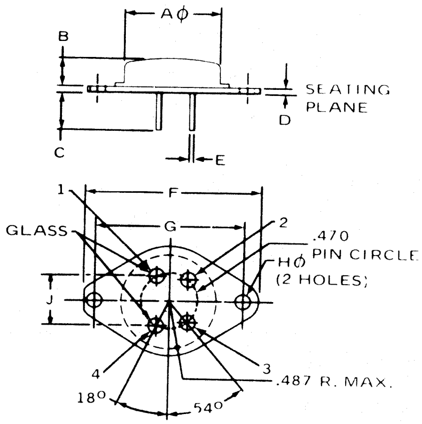
	A	B	C	D	E	F	G	H	J	K
CN55	.500	.450	.260 MAX	.035 MAX	.220 / .280	.016 / .019	.300 TYP	.150 TYP		
CN55a	.498 / .510	.440 / .460	.195 / .220	.020 / .035	.170 / .200	.016 / .019	.290 / .310		.029 / .038	.029 / .033

CN56



SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN	MAX	MIN	MAX	
A	.170	.210	4.58	5.33	
Øb	.016	.021	.407	.533	*19
Øb2	.016	.019	.407	.482	*19
ØD	.175	.205	4.96	5.20	
E	.125	.165	3.94	4.19	
e	.095	.105	2.42	2.66	
e1	.045	.055	1.15	1.39	
j	.135		3.43		
L	.500		12.70		*19
L1		.050		1.27	*19
L2	.250		6.35		*19
Q	.115		2.93		*29
S	.080	.105	2.42	2.66	

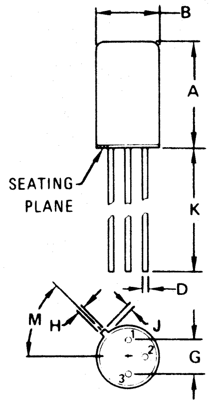
CN57



CN57a:
1–COMMON
2–CONTROL
3–OUTPUT
4–INPUT
5–(CASE)–COMMON

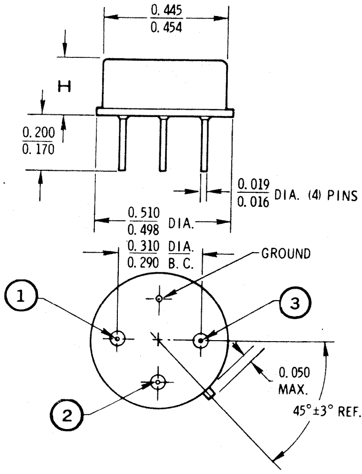
	A	B	C	D	E	F	G	H	J
CN57	.780 / .840	.155 / .275	.312 MIN	.120 MAX	.038 / .048	1.180 / 1.190	1.160 / 1.180	.153 / .163	
CN57a	.830 MAX	.308 / .326	.440 / .460	.059 / .066	.038 / .043	1.575	1.177 / 1.197	.151 / .161	.420 / .440

CN58



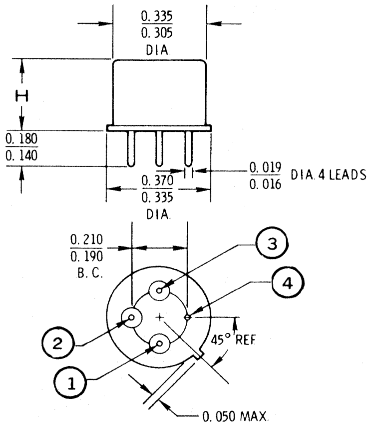
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	–	17.02	–	0.670
B	9.14	9.78	0.360	0.385
D	0.41	0.48	0.016	0.019
G	4.83	5.33	0.190	0.210
H	0.71	0.86	0.028	0.034
J	0.51	–	0.020	–
K	38.10	–	1.500	–
M	42°	48°	42°	48°

CN59



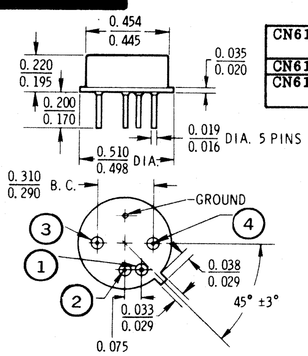
	H	1	2	3
CN59	.195 / .220	IF PORT	L.O. PORT	RF PORT
CN59a	.240 / .260	IF PORT	L.O. PORT	RF PORT
CN59b	.195 / .220	+ DC Voltage	50 OHM Input	50 OHM Output

CN60



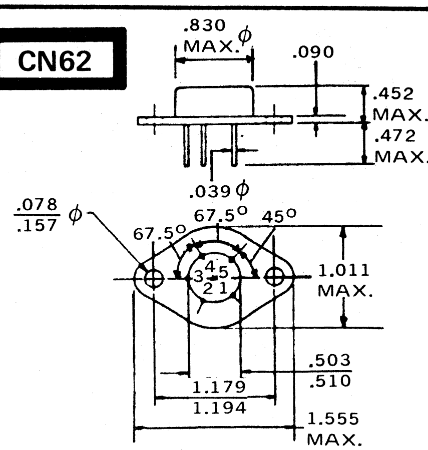
	H	1	2	3	4
CN60	.275 MAX	L	I	R	Ground
CN60a	.230 / .260	L	Ground	R,I	Ground
CN60b	.407 MAX	L	I	R	Ground

CN61

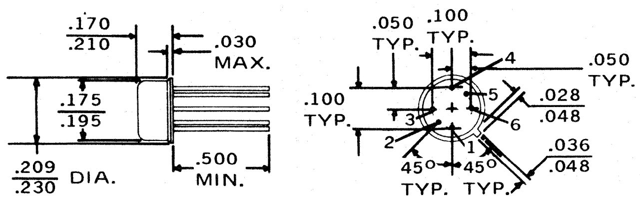


	1	2	3	4
CN61	DC Control Volt	DC Volt	50 Ohm Input/ Output (Port1)	50 Ohm Input/Output (Port2)
CN61a	-15 Volts	15 Volts	Control Input	Control Output
CN61b	DC Control Volt	DC Volt	50 Ohm Input/ Output (Port1)	50 Ohm Input/ Output(Port2)

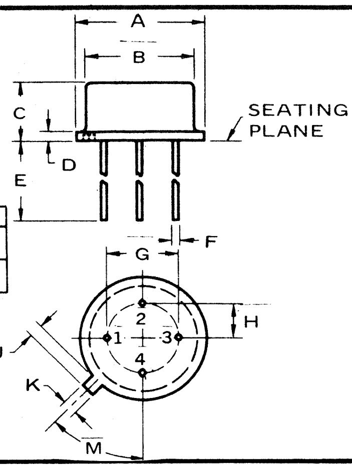
CN62



CN63

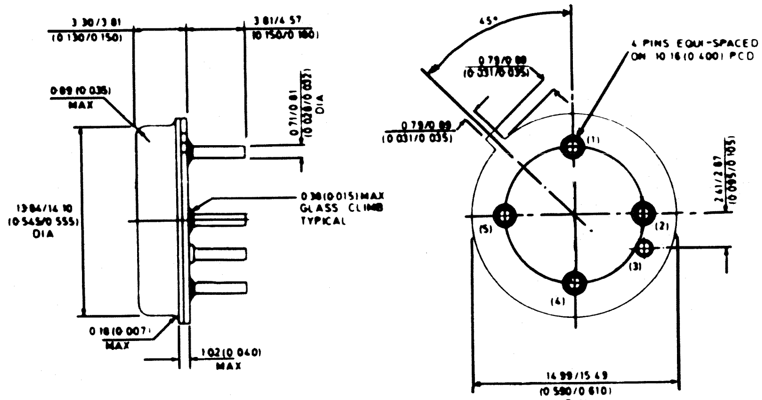


CN64

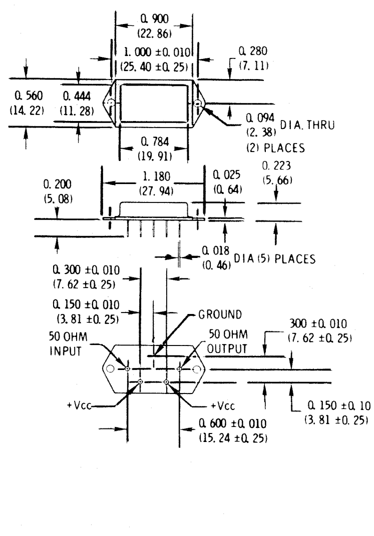


	A	B	C	D	E	F	G	H	J	K	M
CN64	.209 / .230	.178 / .195	.075 / .095	.040 MAX	.500 MIN	.012 / .019	.100	.050	.028 / .048	.036 / .046	45°
CN64a	.350 / .370	.315 / .335	.240 / .260	.009 / .125	.500 MIN	.016 / .019	.200	.100	.029 / .040	.028 / .034	45°

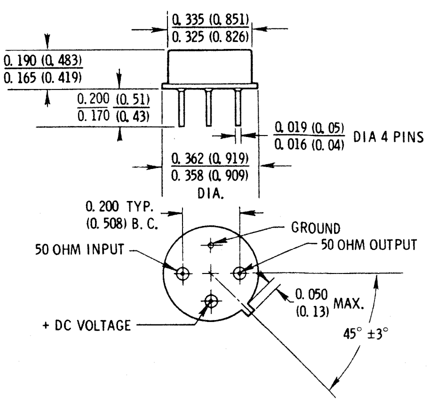
CN67



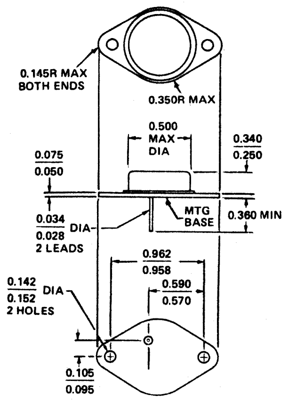
CN68



CN69

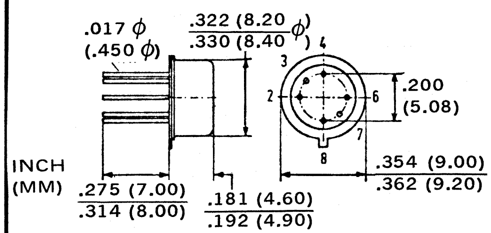


CN70

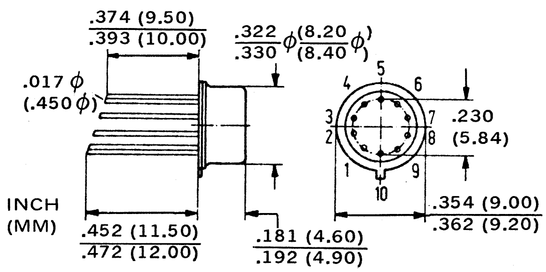


PIN	CONNECTIONS
2	+V – DISCONNECT TO RESET
CASE	-V

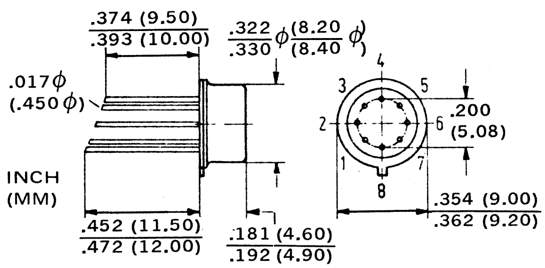
CN71



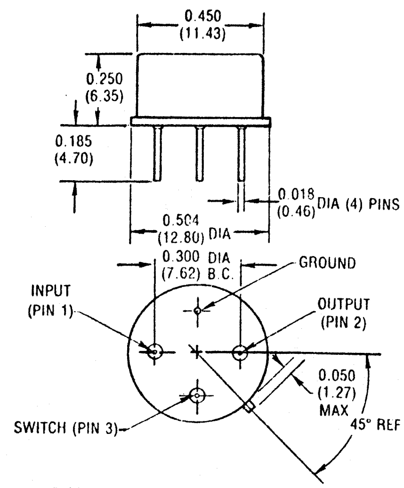
CN72



CN73

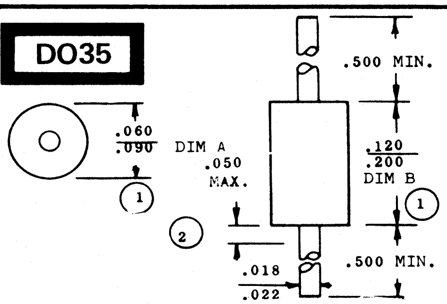


CN74



DIMENSIONS IN INCHES (MM)

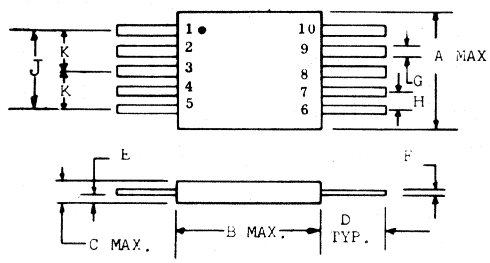
DO35



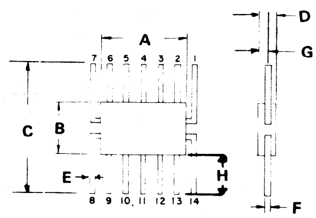
1. PACKAGE CONTOUR OPTIONAL WITHIN DIMENSIONS A & B. SLUGS, IF ANY, SHALL BE INCLUDED WITHIN THIS CYLINDER BUT SHALL NOT BE SUBJECT TO THE MINIMUM LIMIT OF DIM. A.
2. LEAD DIAMETER NOT CONTROLLED IN THIS ZONE TO ALLOW FOR FLASH, LEAD FINISH BUILD-UP, AND MINOR IRREGULARITIES OTHER THAN SLUGS.

FP2

	A	B	C	D	E	F	G	H	J	K
FP2	.260	.260	.070	.250	.024		.019	.050		
FP2a	.260	.260	.060	.250	.024		.019	.050		
FP2b	.290	.260	.075	.070 MIN	.035	.006	.019	.055	.210	
FP2c	.265		.070	.210 MIN	.010 MIN	.009	.018	.050	.200	
FP2d	.260	.260	.050	.188 MAX				.050		
FP2e	.260	.260	.050	.188 TYP				.050		
FP2f	.225	.250	.055							
FP2g	.255	.260	.065	.250		.005	.019	.055		
FP2h	.250	.250	.050 TYP	.210 MIN	.015 TYP	.004 TYP	.019	.050	.200	
FP2j	.255	.255	.070	.250 MIN	.035 MAX		.012	.050		
FP2k	.240/.260	.240/.260		.184 MAX		.003/.005	.014/.019	.045/.055		
FP2m		.265	.070	.210 MIN	.010 MIN	.003/.004	.018/.016	.048/.052	.196/.204	
FP2n	.260 MAX	.260 MAX	.070	.250 MIN	.024 TYP	.004/.006	.015/.019	.050 TYP		
FP2p	.260	.150	.050	.180 MIN	.022	.003/.005		.050	.190/.210	
FP2q	.275 MAX	.170 MAX								
FP2r	.290 MAX	.260 MAX	.070 MAX	.250 MIN	.010/.035	.003/.006	.010/.019	.045/.055		.095/.105
FP2s	.250/.260	.140/.150	.035/.050	.165/.175 REF	.008/.018	.003/.005	.010/.013	.050 TP		
FP2t	.240/.260	.240/.260	.030/.070	.200/.350	.010/.035	.003/.006	.010/.019	.050 T.P.	.160/.240	.080/.120
FP2u	.250	.140								
FP2v	.250	.250	.065	.250			.017	.050		
FP2w	.240/.260	.240/.260	.050/.065	.250/.370	.024 TYP	.004/.006	.015/.019	.050 TYP		
FP2x	.265	.155	.055	.180	.017	.003/.005	.010/.014	.050 TYP		
FP2y	.290 MAX	.240/.260	.030/.085	.250/.370	.010/.040	.003/.006	.010/.019	.050 TYP		
FP2z	.240/.260	.240/.260	.055/.080	.250/.370	.025 TYP	.004/.006	.015/.019	.050 TYP		



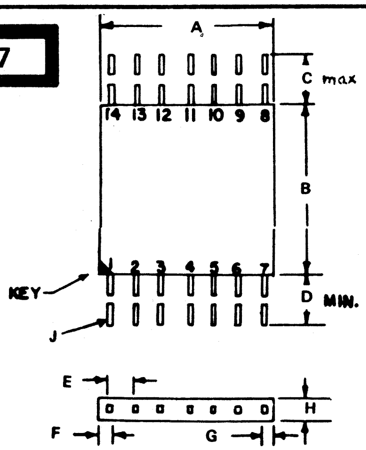
FP6



NOTE: LEADS ON .050 CENTERS

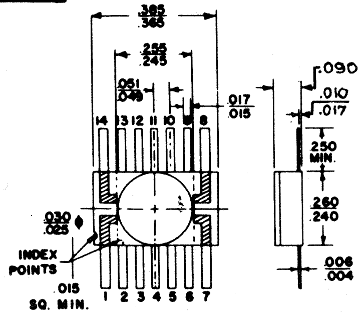
	A	B	C	D	E	F	G	H
FP6	.260 MAX	.260 MAX	.730 TYP	.070 MAX	.017 TYP	.006 TYP	.024	
FP6a	.240/.260	.240/.260	.608/.628	.065 MAX	.014/.019	.003/.005	SYM	
FP6c	.250 MAX	.250 MAX	.670 TYP	.055 MAX				
FP6d	.260 MAX	.260 MAX	1.00 MAX	.050/.065	.015/.020		SYM	
FP6e	.260 MAX	.260 MAX		.070 MAX	.017 TYP	.004 TYP	.024	.235 MIN
FP6f	.260 MAX	.260 MAX	1.00 TYP	.070 MAX	.015/.019	.004/.006	.024 TYP	
FP6g	.265 MAX	.265 MAX		.060 MAX	.016/.019	.004/.006		
FP6h	.250/.260	.140/.150	.490/.510	.035/.050	.010/.013	.003/.005	.008/.018	.165/.175
FP6j	.260 MAX	.260 MAX	.750 TYP	.070 MAX	.013/.019	.004/.006	.020/.030	.250 MIN
FP6k	.240/.260	.240/.260	.740/1.00	.050/.065	.016/.019	.004/.006	.025	.250/.370
FP6m	.280 MAX	.240/.260		.030/.085	.010/.019	.003/.006	.010/.040	.250/.370

FP7

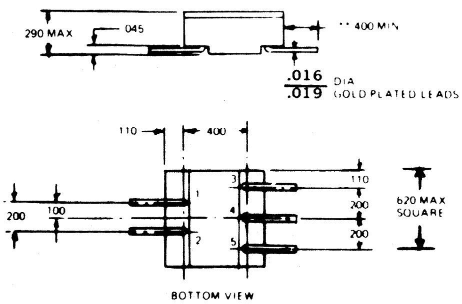


	A	B	C	E	F	H	J
FP7	.390	.390	.500	.050		.075	.005X.015
FP7a	.390	.415	.275			.075	.003X.015
FP7c	.390 MAX	.390 MAX	.500	.055 MAX	.040 MAX	.100	.005X.015
FP7d	.390 MAX	.415 MAX	.275	.055 MAX	.040 MAX	.100	.005X.015
FP7e	.390 MAX	.265 MAX				.070 MAX	.016/.019

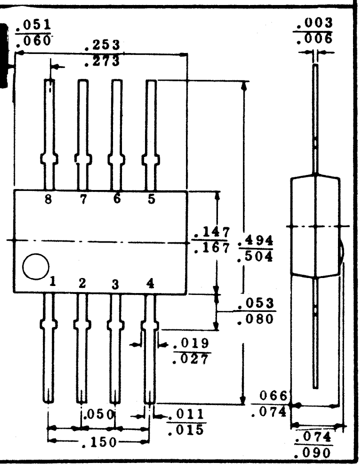
FP10



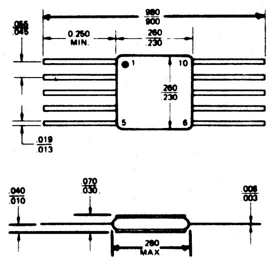
FP15



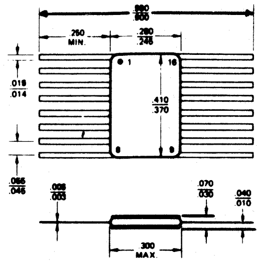
FP16



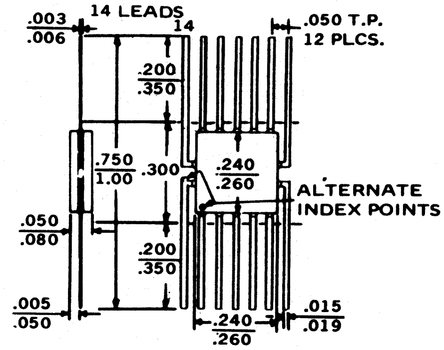
FP18



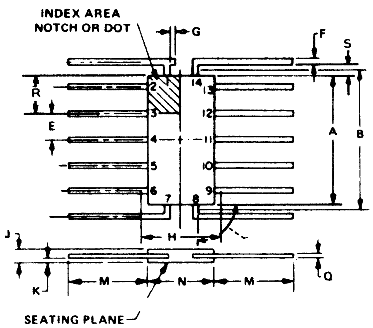
FP19

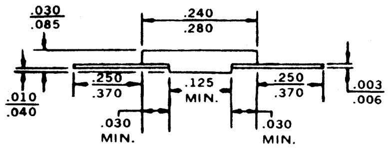


FP22



FP24

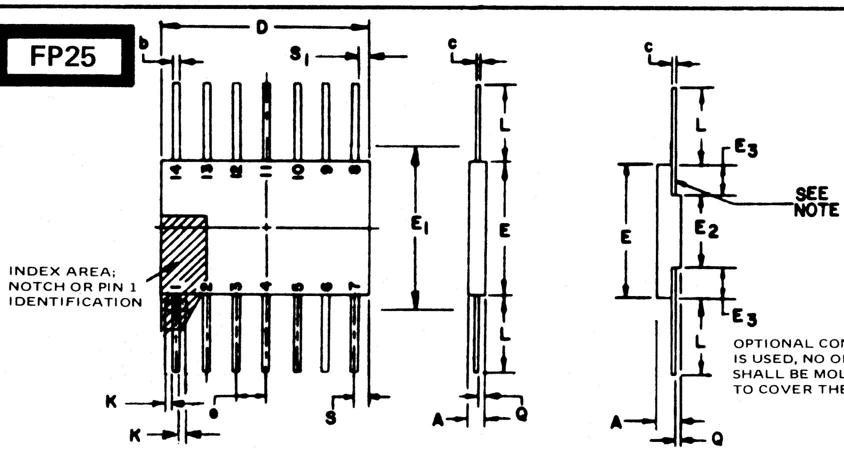




OPTIONAL CONFIGURATION FOR FP24d ONLY

	A	B	E	F	G	H	J	K	M	N	P	Q	R	S	T
FP24	.240 / .260	.270 MAX	.050	.010 / .019	.010 / .015	.280 MAX	.030 / .070	.010 / .035	.250 / .370	.240 / .260	.740 MIN	.003 / .006			
FP24a	.240 / .260	.270 MAX	.050	.010 / .019	.010 / .015	.165 MAX	.030 / .070	.010 / .035	.165 / .250	.120 / .155	.450 / .760	.003 / .006			
FP24b	.240 / .275	.290 MAX	.050	.010 / .019	.015 MAX	.290 MAX	.030 / .080	.005 / .035	.250 MIN	.240 / .275		.003 / .006			
FP24c	.240 / .260	.290 MAX	.050 BSC	.013 / .019	.015 MAX	.290 MAX	.030 / .070	.012 / .035	.250 / .370	.240 / .260	.740 MIN	.003 / .006			
FP24d	.280 MAX		.050 BSC	.010 / .019	.008 / .015	.280 MAX	.030 / .085	.010 / .040	.250 / .370	.240 / .260		.003 / .006	.005 MIN	.004 MIN	30° / 90°
FP24e	.280 MAX		.050 BSC	.010 / .019	.008 / .015	.220 MAX	.030 / .070	.010 / .040	.165 / .390	.120 / .220	.450 MIN	.003 / .006			

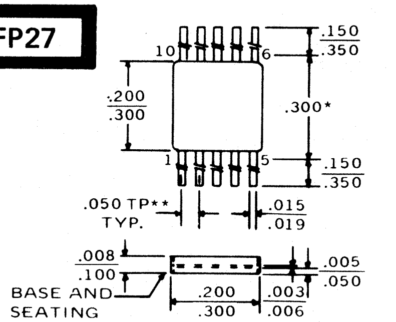
FP25



OPTIONAL CONFIGURATION. IF THIS CONFIGURATION IS USED, NO ORGANIC OR POLYMERIC MATERIALS SHALL BE MOLDED TO THE BOTTOM OF THE PACKAGE TO COVER THE LEADS.

SYMBOL	INCHES MIN	INCHES MAX
A	.045	.085
b	.015	.019
c	.003	.006
D		.440
E	.245	.285
E_1		.305
E_2	.130	
E_3	.030	
e	.050 BSC	
K	.008	.015
L	.250	.370
Q	.010	.040
S		.045
S_1	.005	

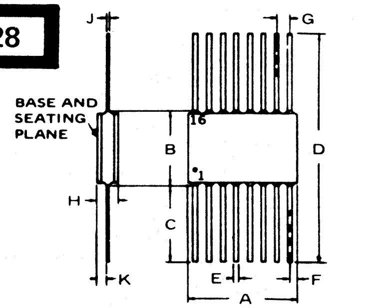
FP27



* LEAD IRREGULARITIES PERMITTED IN THIS ZONE

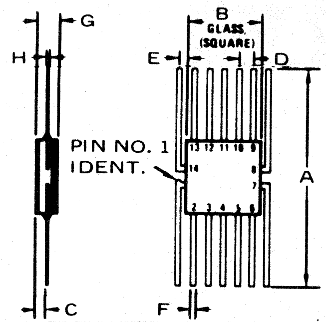
** LEADS WITHIN .005 RADIUS OF TRUE POSITION (TP)

FP28



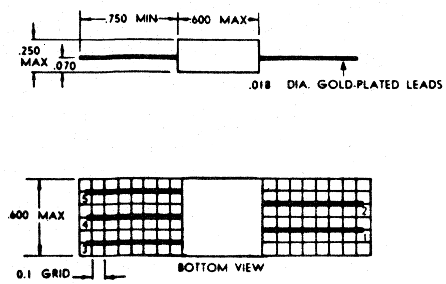
	A	B	C	D	E	F	G	H	J	K
FP28	.371 / .400	.247 / .275	.310 / .350	.940 / .960	.015 / .019	.010 / .025	.050	.050 / .080	.003 / .006	.020 / .040
FP28a	.390 MAX	.275 MAX		.880 / .900	.015 / .019	.007 / .018	.045 / .055	.080 MAX	.004 / .006	.020 / .040

FP29



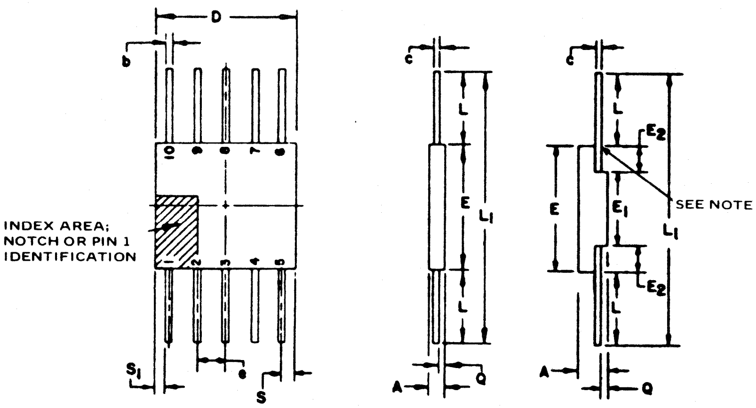
	A	B	C	D	E	F	G	H	J	K
FP29	.900 / .980	.230 / .260	.010 / .040	.045 / .055		.014 / .019	.030 / .070	.003 / .006		
FP29a	.750 / .770	.275 MAX	.020 / .040	.045 / .055	.010 / .025	.015 / .019	.080 MAX	.004 / .006		
FP29b	.750 MIN	.240 / .270	.015 / .035	.050 TYP		.010 / .019	.030 / .070	.0035 / .0060		
FP29c		.250							.140	
FP29d		.257		.050			.045		.147	.180

FP30



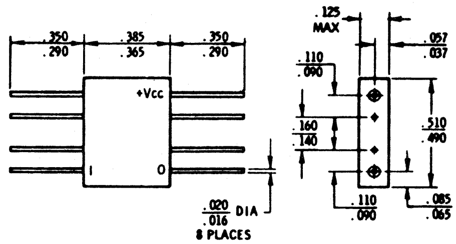
FP31

OPTIONAL CONFIGURATION. IF THIS CONFIGURATION IS USED, NO ORGANIC OR POLYMERIC MATERIALS SHALL BE MOLDED TO THE BOTTOM OF THE PACKAGE TO COVER THE LEADS.

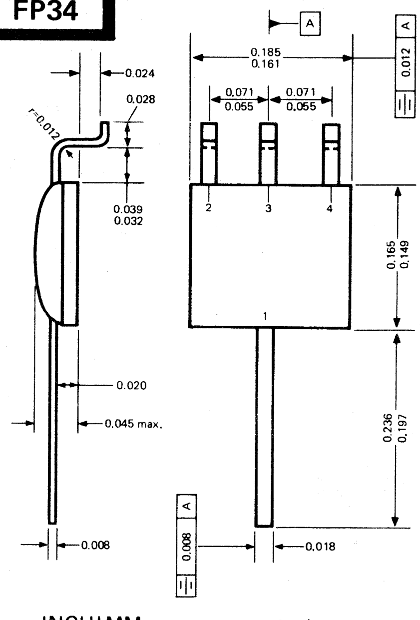


SYMBOL	INCHES	
	MIN	MAX
A	.030	.085
b	.010	.019
c	.003	.006
D		.290
E	.240	.280
E_1	.125	
E_2	.030	
e	.050 BSC	
L	.250	.370
L_1	.740	
Q	.010	.040
S		.045
S_1	.005	

FP33



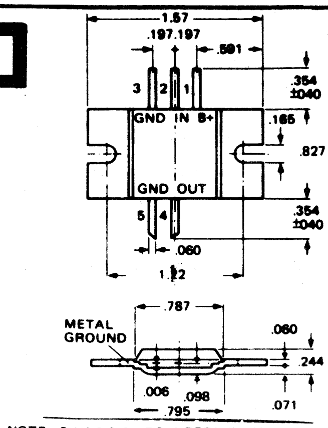
FP34



INCH	MM
0.008	0.20
0.012	0.30
0.018	0.45
0.020	0.51
0.024	0.61
0.028	0.71
0.032	0.81
0.039	0.99
0.045	1.14

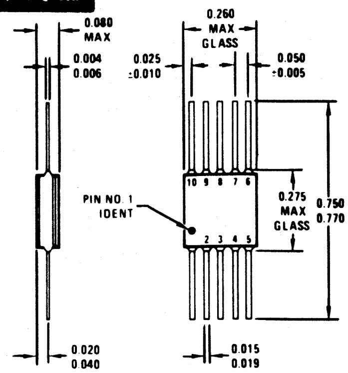
INCH	MM
0.055	1.39
0.071	1.80
0.149	3.78
0.161	4.09
0.165	4.20
0.185	4.70
0.197	5.01
0.236	6.00

FP35

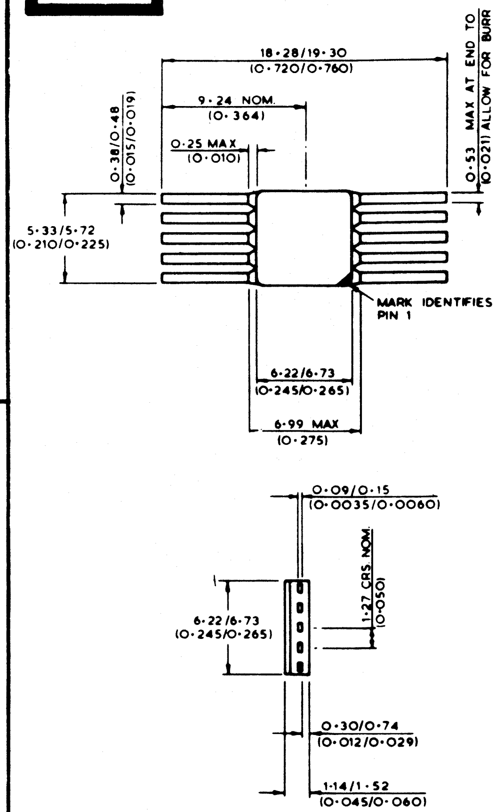


NOTE: PINS 3 & 5 ARE INTERNALLY CONNECTED TO METAL GROUND

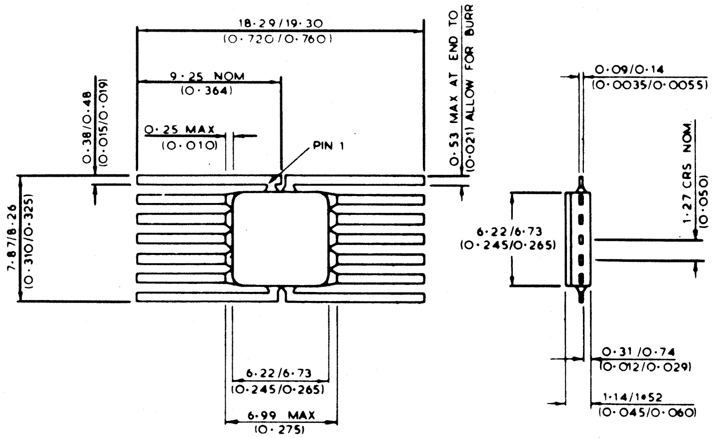
FP37



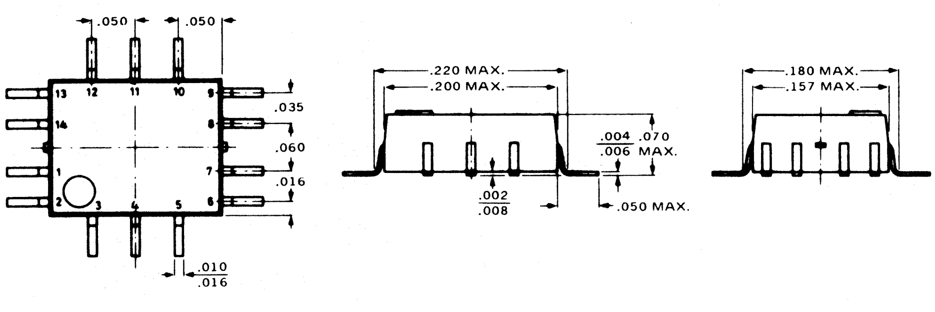
FP38



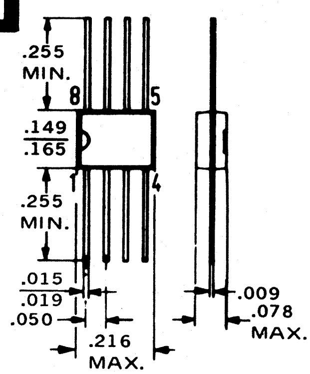
FP39



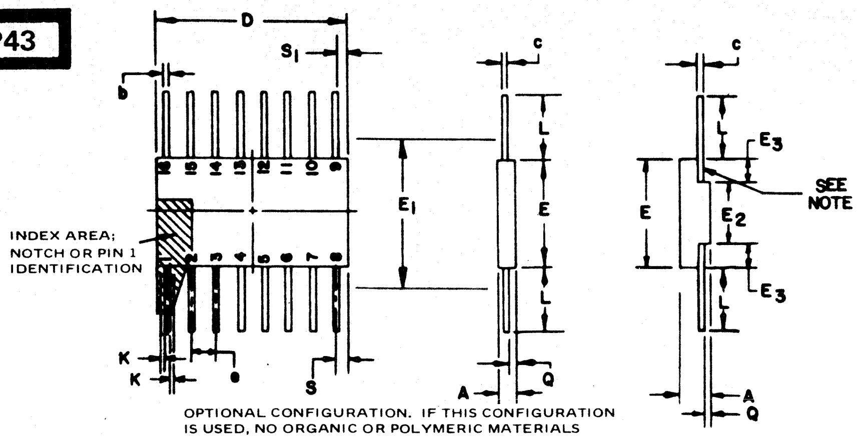
FP41



FP42



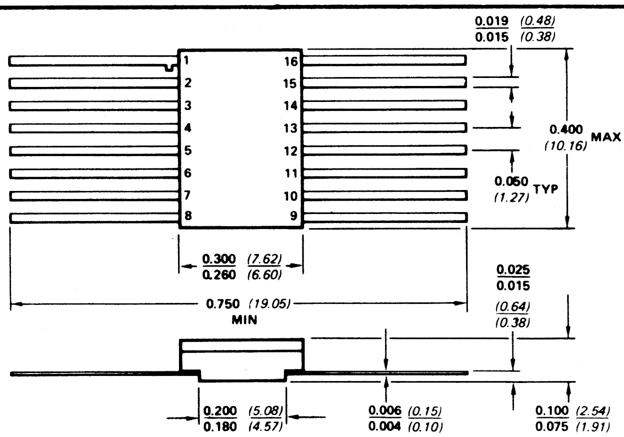
FP43



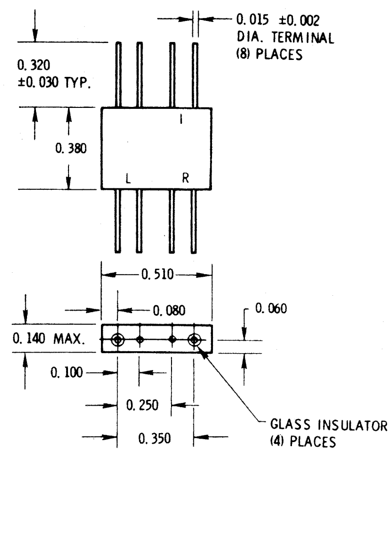
OPTIONAL CONFIGURATION. IF THIS CONFIGURATION IS USED, NO ORGANIC OR POLYMERIC MATERIALS SHALL BE MOLDED TO THE BOTTOM OF THE PACKAGE TO COVER THE LEADS.

SYMBOL	INCHES	
	MIN	MAX
A	.045	.085
b	.010	.019
c	.003	.006
D		.390
E	.235	.260
E_1		.280
E_2	.125	
E_3	.030	
e	.050 BSC	
K	.008	.015
L	.250	.370
Q	.010	.040
S		.045
S_1	.005	

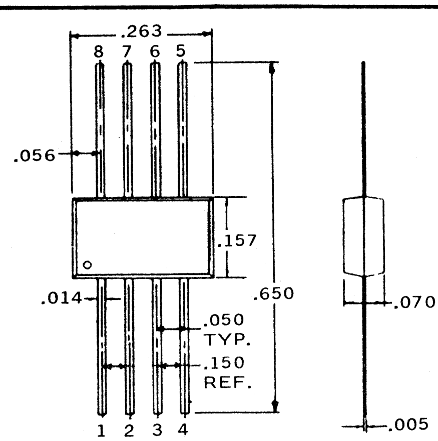
FP44



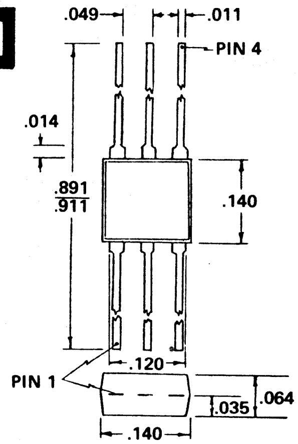
FP45



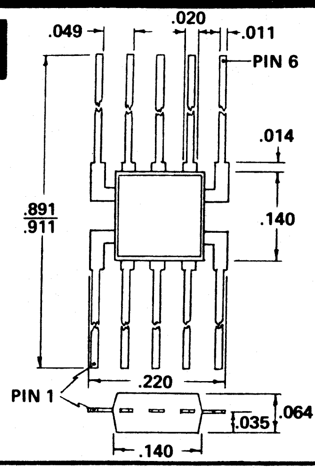
FP47



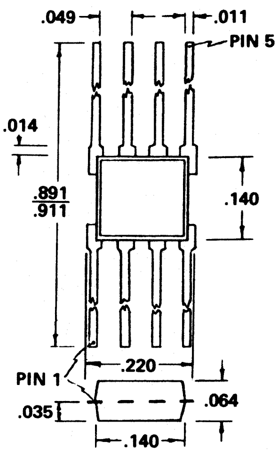
FP48



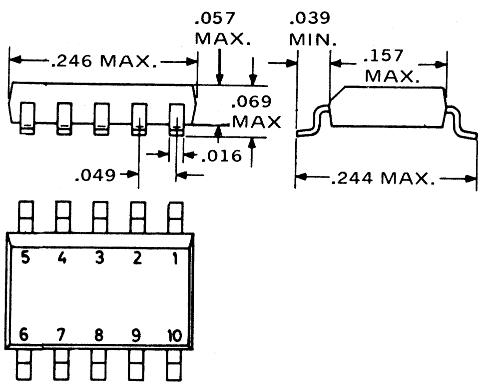
FP49



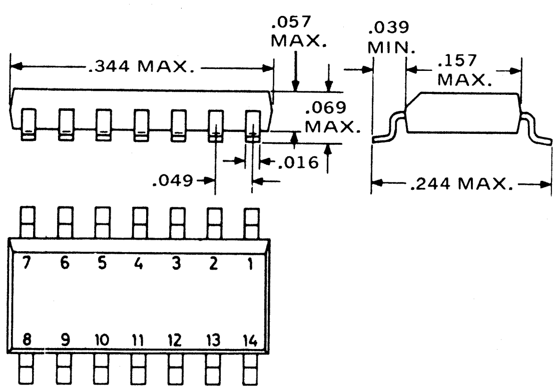
FP50



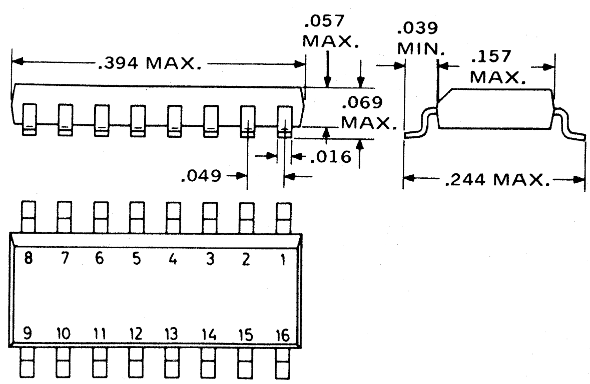
FP51



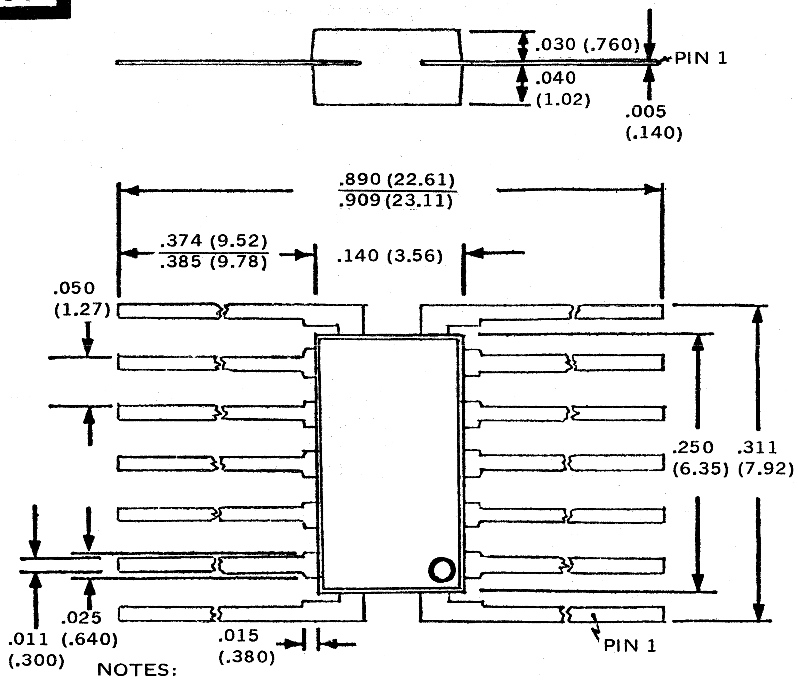
FP52



FP53



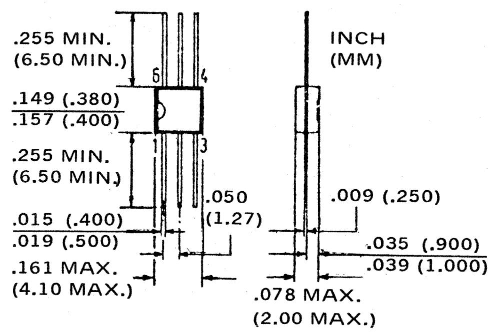
FP54



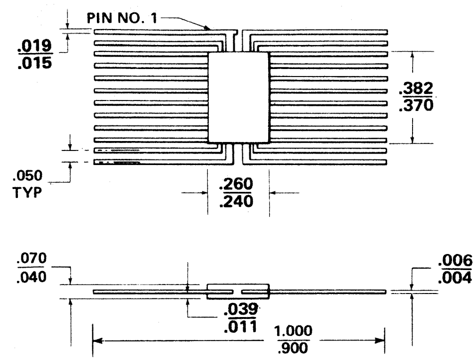
NOTES:

1. DIMENSIONS IN INCHES AND (MILLIMETERS)
2. ALL PACKAGE BODY TOLERANCES ±.003(0.08)
3. LEAD FRAME TOLERANCES ± .001(0.05) EXCEPT WHERE NOTED

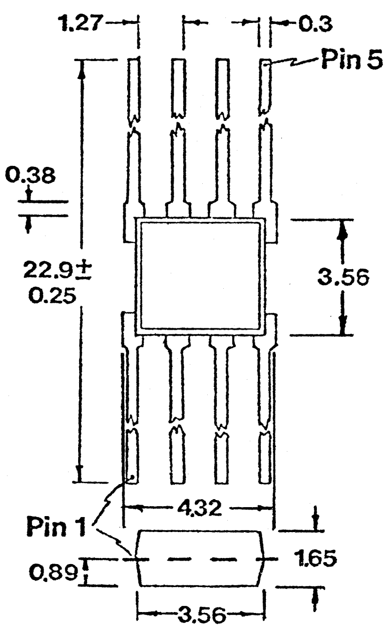
FP55



FP56

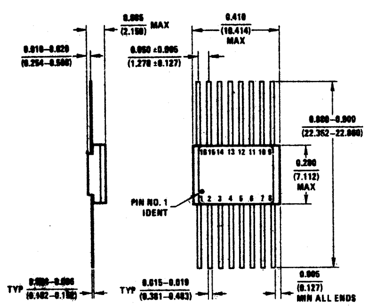


FP57



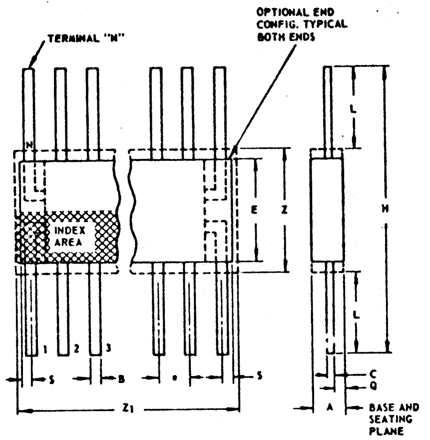
Dimensions in Millimetres

FP58



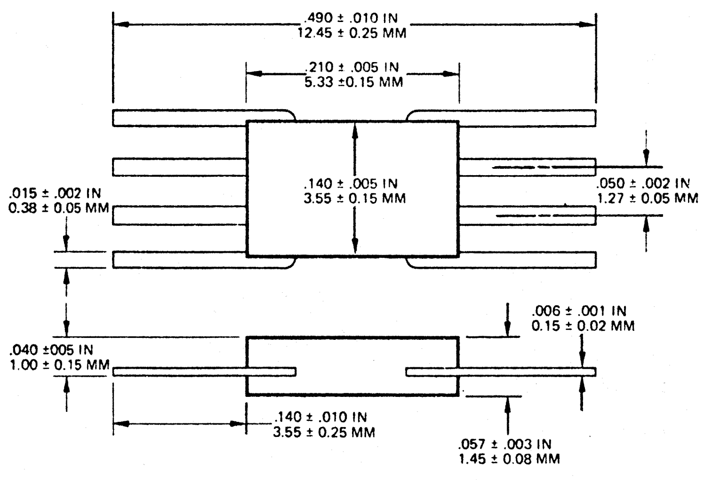
INCH
(MM)

FP59

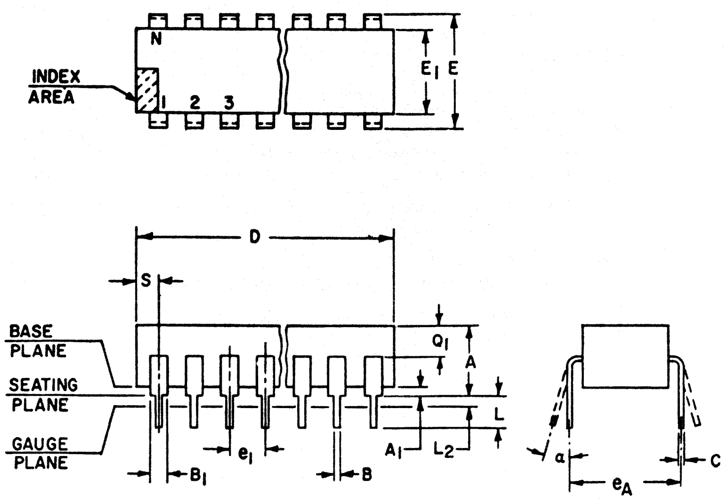


Dim	Millimeters Min	Max
A	0.21	2.54
B	0.38	0.48
C	0.08	0.15
e	1.27 TP	
E	5.1	7.6
H	15.3	25.4
L	3.9	8.8
Q	0.13	1.27
S	0.00	0.63
Z	7.62	
Z_1	10.16	

FP60



MO001

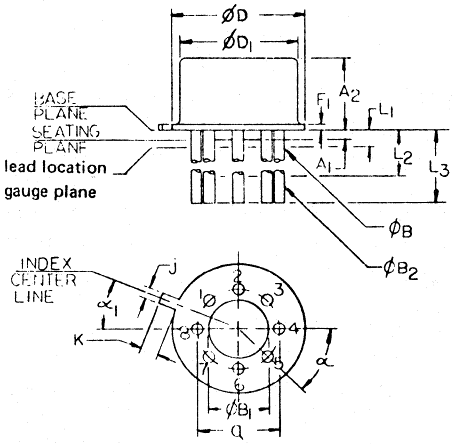


NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y14.5-1973.
3. Leads within .127 radius of True Position (TP) at gauge plane with maximum material condition and unit installed.
4. e_1 and e_A applies in zone L_2 when unit installed.
5. α applies to spread leads prior to installation.
6. N is the maximum quantity of lead positions.
7. N_1 is the allowable quantity of missing leads.
8. E_1 does not include mold flash.
9. Outlines on which the seating plane is coincident with the base plane (A_1 = 0) terminal lead stand-offs are not required, and B_1 may equal B along any part of the lead above the seating/base plane.
10. Controlling Dimension: INCH

	A	A1	B	B1	C	D	E	E1	e1	eA	L	L2	a	N	N1	Q1	S	NOTES
MO001AA	.200 MAX	.020 MIN	.015 .023	.030 .070	.008 .015	.660 .785	.325 MAX	.220 .280	.100 T.P.	.300 T.P.	.100 MIN	.000 .030	0° 15°	14	0			1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AB	.155 .200	.020 .050	.014 .020	.050 .065	.008 .012	.745 .770	.300 .325	.240 .260	.100 T.P.	.300 T.P.	.125 .150	.000 .030	0° 15°	14	0	.040 .075	.065 .090	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AC	.155 .200	.020 .050	.014 .020	.035 .065	.008 .012	.745 .785	.300 .325	.240 .260	.100 T.P.	.300 T.P.	.125 .150	.000 .030	0° 15°	16	0	.040 .075	.015 .060	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AD	.120 .160	.020 .065	.014 .020	.050 .065	.008 .012	.745 .770	.300 .325	.240 .260	.100 T.P.	.300 T.P.	.125 .150	.000 .030	0° 15°	14	0	.050 .085	.065 .090	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AE	.120 .160	.020 .065	.014 .020	.035 .065	.008 .012	.745 .785	.300 .325	.240 .260	.100 T.P.	.300 T.P.	.125 .150	.000 .030	0° 15°	16	0	.050 .085	.015 .060	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AF	.165 .210	.015 .045	.015 .020	.045 .070	.009 .011	.750 .795	.295 .325	.245 .300	.100 T.P.	.300 T.P.	.120 .160	.000 .030	2° 15°	14	0	.050 .080	.050 .110	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AG	.165 .210	.015 .045	.015 .020	.045 .070	.009 .011	.750 .795	.295 .325	.245 .300	.100 T.P.	.300 T.P.	.120 .160	.000 .030	2° 15°	16	0	.050 .080	.010 .060	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AH	.140 .180	.015 .040	.014 .020	.044 .070	.008 .012	.730 .770	.290 .320	.240 .260	.100 T.P.	.300 T.P.	.115 .155	.000 .030	0° 15°	14	0	.050 .085	.055 .095	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AJ	.090 .140	.020 .070	.015 .023	.035 .055	.008 .012	.685 .760	.300 .325	.240 .285	.100 T.P.	.300 T.P.	.100 .150	.000 .030	0° 15°	14	0	.060 .080	.045 .090	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AK	.090 .140	.020 .070	.015 .023	.035 .055	.008 .012	.800 .840	.300 .325	.240 .285	.100 T.P.	.300 T.P.	.100 .150	.000 .030	0° 15°	16	0	.060 .080	.040 .080	1,2,10
NOTES								8	3,4	3,4			5	6	7			
MO001AL	.160 .200	.020 .045	.015 .020	.044 .070	.008 .012	.815 .890	.290 .350	.240 .260	.100 T.P.	.300 T.P.	.120 .150	.000 .030	0° 15°	16	0	.050 .085	.052 .095	1,2,10
NOTES								8	3,4	3,4			5	6	7			

MO002

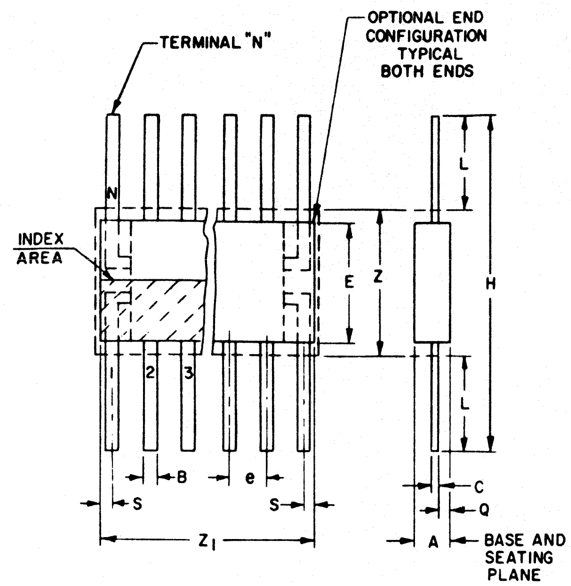


NOTES:

1. Refer to applicable symbol list.
2. Dimensioning and tolerancing per ANSI Y-14.5-1973.
3. Leads within .007 in. radius of True Position (TP) at gauge plane at maximum material condition and unit installed.
4. ϕB applies between L_1 and L_2. ϕB_2 applies between L_2 and .500 in. from the seating plane. Diameter is not controlled in L_1 and beyond .500 in.
5. Measured from Max. ϕD.
6. N_1 is the quantity of allowable missing leads.
7. N is the maximum quantity of lead positions.
8. Controlling Dimensions: INCH

AF MIN	AF MAX	NOTE	AK MIN	AK MAX	NOTE	AL MIN	AL MAX	NOTE
5.08 TP		3	5.08 TP			5.08 TP		
0	0		.254	1.01	3	.26	1.27	3
6.10	6.60		4.20	4.69		4.20	4.69	
.407	.482	4	.407	.482	4	.407	.482	4
0	0		3.56	4.06		3.18	4.06	
.407	.533	4	.407	.533	4	.407	.533	4
8.51	9.39		8.51	9.39		8.51	9.39	
7.75	8.50		7.75	8.50		7.75	8.50	
—	1.01		—	1.01		.51	1.01	
.712	.863		.712	.863		.712	.863	
.74	1.14	5	.74	1.14	5	.74	1.14	5
.000	1.27	4	.000	1.27	4	.000	1.27	4
6.4	12.7	4	6.4	12.7	4	6.4	12.7	4
12.7	—	4	12.7	—	4	12.7	14.27	4
45° TP			45° TP			45° TP		
0° TP			0° TP			0° TP		
8		7	8		7	8		7
3		6	3		6	3		6
1,2,8			1,2,8			1,2,8		

MO004

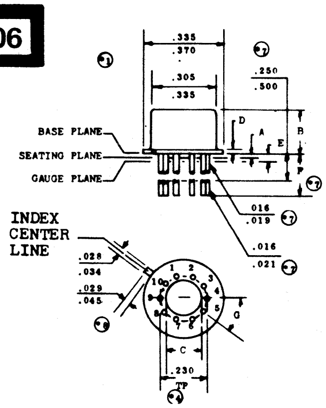


NOTES:

1. Refer to Rules for Dimensioning Peripheral Lead Outlines.
2. Leads within .005 radius of True Position (TP) at maximum material condition.
3. N is the maximum quantity of lead positions.
4. Z and Z_1 determine a zone within which all body and lead irregularities lie.
5. Controlling Dimensions: INCH

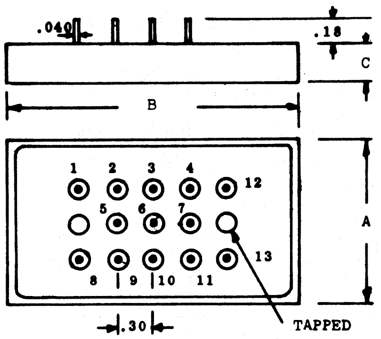
	A	B	C	e	E	H	L	N	Q	S	Z	Z1	NOTES
MO004AA	.008 .100	.015 .019	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	14	.005 .050	.000 .025	.300	.350	1,2,6
NOTES								4			5	5	
MO004AB	.008 .100	.013 .017	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	14	.005 .050	.000 .025	.300	.350	1,2,6
NOTES								4			5	5	
MO004AC	.008 .100	.015 .019	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	14	.000 .097	.000 .025	.300	.350	1,2,6
NOTES								4			5	5	
MO004AD	.008 .100	.015 .019	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	10	.005 .050	.000 .050	.300	.300	1,2,6
NOTES								4			5	5	
MO004AE	.008 .100	.015 .019	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	10	.005 .050	.000 .025	.300	.250	1,2,6
NOTES								4			5	5	
MO004AF	.008 .100	.015 .019	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	14	.005 .050	.000 .050	.300	.400	1,2,6
NOTES								4			5	5	
MO004AG	.008 .100	.015 .019	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	14	.005 .050	.000 .025	.300	.400	1,2,6
NOTES								4			5	5	
MO004AH	.008 .100	.015 .019	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	16	.005 .050	.000 .050	.300	.450	1,2,6
NOTES								4			5	5	
MO004AJ	.065 .100	.013 .019	.003 .006	.050 TP	.200 .300	.840 .960	.290 .330	14	.005 .050	.000 .025	.300	.350	1,2,6
NOTES								4			5	5	
MO004AK	.065 .100	.013 .019	.003 .006	.050 TP	.200 .300	.840 .960	.290 .330	10	.005 .050	.000 .025	.300	.300	1,2,6
NOTES								4			5	5	
MO004AL	.065 .100	.013 .019	.003 .006	.050 TP	.200 .300	.840 .960	.290 .330	16	.005 .050	.000 .025	.300	.400	1,2,6
NOTES								4			5	5	
MO004AM	.035 .100	.013 .017	.003 .006	.050 TP	.200 .300	.600 1.000	.150 .350	18	.005 .050	.000 .025	.300	.450	1,2,6
NOTES								4			5	5	

MO006



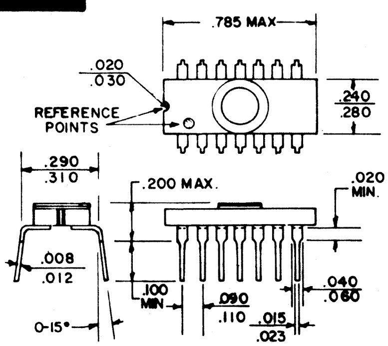
	A	B	C	D	E	F	G	NO. OF LEADS
MO006AA	.010 .040	.240 .260	.140 .160	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AB	0 0	.240 .260	0 0	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AC	0 0	.140 .160	0 0	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AD	.010 .140	.165 .185	.140 .160	.040 MAX	.050 MAX	.500 MIN	36° TP	10
MO006AE	.010 .040	.165 .185	.140 .160	.040 MAX	.050 MAX	.500 MIN	30° TP	12
MO006AF	0 0	.165 .185	0 0	.020 .040	.000 .050	.500 .562	36° TP	10
MO006AG	0 0	.165 .185	0 0	.020 .040	.000 .050	.500 .562	30° TP	12

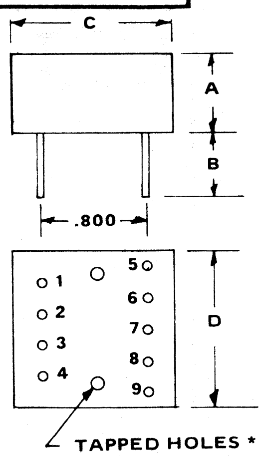
MP2



	A	B	C	PINS OMITTED
MP2	1.20	1.80	.600	4,6,11,12,13
MP2a	1.80	2.40	.600	6,12,13
MP2b	2.00	2.00	1.00	4,5,6,11,12,13
MP2c		1.80	.600	4,6,11,12,13
MP2d	1.20	1.80	.600	4,5,6,11,12,13
MP2e	1.80	2.40	.600	4,5,6,11,12,13
MP2f	1.80	2.40	.600	2,4,5,6,9,11,12,13
MP2g	1.80	2.40	.600	12,13
MP2h	1.80	2.40	.600	4,11,12,13
MP2j	1.20	1.80	.600	2,4,5,6,9,11,12,13
MP2k	2.00	2.00	.700	2,4,5,6,9,11,12,13
MP2m	1.80	2.40	.600	4,6,7,11,12,13
MP2n	1.80	2.40	.600	2,3,4,5,6,7,9,11
MP2p	1.80	2.40	.600	4,6,11,12,13
MP2q	1.20	1.80	.600	6,12,13
MP2r	1.20	1.80	.600	2,4,6,9,11,12,13
MP2s	1.80	2.40	.600	2,5,6,9,12,13
MP2t	1.80	2.40	.600	5,6,12,13
MP2u	1.80	2.40	.610	4,12,6,13

MP3

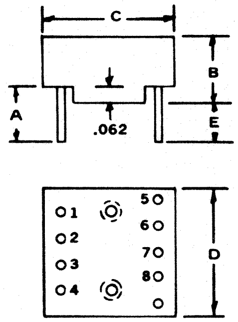




MP5

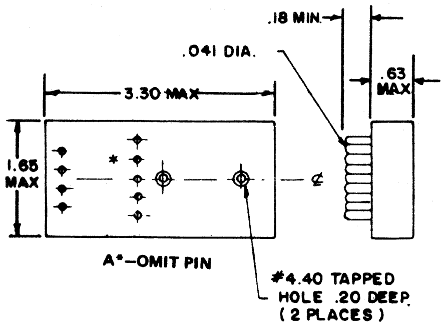
	A	B	C	D	REMARKS	TAPPED HOLES
MP5	.580	.200	1.125	1.125		
MP5a	.625	1.50	1.125	1.125		
MP5b	.500	1.50	1.125	1.125		
MP5c	.580	.200	1.125	1.125	PINS 1and4 OMITTED	
MP5d	.580	.200	1.125	1.125	PINS 1,4,6 OMITTED	
MP5e	.375	.200	1.125	1.125	PINS 1and4 OMITTED	
MP5f	.500	.200	1.125	1.125	PINS 1and4 OMITTED	
MP5g	.515	.250	1.125	1.125	PINS 1and4 OPTIONAL and 6 OMITTED	*
MP5h	.630	.250	1.125	1.125	PINS 1and4 OPTIONAL	*
MP5j	.630	.250	1.125	1.125	PINS 1and4 OPTIONAL and 6 OMITTED	*
MP5k	.500	.200	1.00	1.125	PINS 1and4 OMITTED	
MP5m	.620	.200	1.50	1.125	PINS 1and4 OMITTED	
MP5n	.400	.250	1.50	1.125	PINS 1and4 OMITTED	
MP5p	.570	.250	1.12	1.125	PINS 1and4 OMITTED	
MP5q	.400	.250	1.50	1.125		
MP5s	.400	.200	1.12	1.125	PINS 1and4 OMITTED	
MP5u	.400	.250	1.10	1.10	PINS 1and4 OPTIONAL and 6 OMITTED	*
MP5v	.420	.250	1.10	1.10	PINS 1and4 OPTIONAL	*
MP5x	.250	.500	.600	.600	PINS 1and4 OMITTED	
MP5y	.500	.500	1.13	1.13	PINS 1and4 OMITTED	
MP5z	.500	.500	1.13	1.13	PIN 4 OMITTED	
MP5aa	.400	1.00	1.12	1.12	PINS 1and4 OMITTED	
MP5ab	.400	.250	1.50	1.50		
MP5ac	.400	.250	1.50	1.50	PINS 1and4 OMITTED	
MP5ad	.430	.250	1.12	1.12	PINS 1and4 OMITTED	
MP5ae	.625	.250	2.20	1.14		
MP5aj	.620	.200	1.12	1.12	PINS 1and4 OMITTED	
MP5ak	.500	.500	1.13	1.13		
MP5am	.500	.250	1.12	1.12	PINS 1,4,9 OMITTED	
MP5an	.620	.250	1.50	1.50	PINS 1and4 OMITTED	*
MP5aq	.400	.250	1.10	1.10	PINS 1,4,6 OMITTED	
MP5ar	.630	.250	1.10	1.10	PIN 6 OMITTED	
MP5au	.400	.200	1.50	1.50	PINS 1and4 OMITTED	
MP5av	.825		3.50	2.50	PIN 4 OMITTED	
MP5aw	.500	.250	1.50	1.50	PINS 1and4 OMITTED	
MP5ax	.500	.500	1.13	1.13	PINS 1and4 OMITTED	
MP5ay	.500	.250	1.50	1.50	PIN 4 OMITTED	
MP5az	.500	.500	1.50	1.50		
MP5ba	.590	.200	1.12	1.12	PINS 1and4 OMITTED	*
MP5bb	.625	1.50	1.125	1.125	PINS 1and4 OMITTED	
MP5bc	.580	.200	1.12	1.12	PIN 6 OMITTED	
MP5bd	.500	.220	1.50	1.50		
MP5be	.380	.220	2.50	1.75		
MP5bf	.400 MAX	.200 .250	1.00	1.00	PINS 1and4 OMITTED	
MP5bg	.500	.200 MIN	1.50	1.50		
MP5bh	.620	.200 .250	1.50	1.50	PIN 4 OMITTED	
MP5bj	.380	.220	1.12	1.12	PINS 1and4 OMITTED	
MP5bk	.375	.250 MIN	1.125	1.125		
MP5bm	.610 MAX	.200 MIN	1.51 MAX	1.51 MAX		
MP5bn	.500	.200 .250	1.00	1.00	PINS 1and4 OMITTED	
MP5bp	.635 MAX	.200 .250	2.03 MAX	1.15 MAX		
MP5bq	.400 MAX	.200 .250	1.13 MAX	1.13 MAX	PINS 1and4 OMITTED	
MP5br	.520 MAX	.250 MIN	2.70 MAX	1.50 MAX		
MP5bs	.500 MAX	.200 MIN	2.00	1.50		
MP5bt	.590	.200 MIN	1.12	1.12	PINS 1,4 and 6 OMITTED	
MP5bu	.520 MAX	.200 MIN	1.02 MAX	1.02 MAX	PINS 1 and 4 OMITTED	
MP5bv	.415 MAX	.200 MIN	1.51 MAX	1.51 MAX	PINS 1 and 4 OMITTED	
MP5bw	.600	.200 MIN	1.50	1.50	PINS 1 and 4 OMITTED	
MP5bx	.400 MAX	.200 MIN	1.50 MAX	1.50 MAX		
MP5by	.500 MAX	.200 MIN	1.12 MAX	1.12 MAX		
MP5bz	.500 MAX	.200 MIN	1.12 MAX	1.12 MAX	PINS 1 and 4 OMITTED	
MP5ca	.500 MAX	.200 MIN	1.12 MAX	1.12 MAX	PINS 1,4,6and9 OMITTED	
MP5cb	.400 MAX	.200 MIN	1.50 MAX	1.50 MAX	PIN 4 OMITTED	
MP5cc	.500 MAX	.200 MIN	1.50	1.50	PINS 1 and 4 OMITTED	
MP5cd	.400	.200 .250	1.00 MAX	1.00 MAX	NONE	NO
MP5ce	.500 MAX	.200 MIN	1.12	1.12	PIN 1,4,7and9 OMITTED	NO *
MP5cf	.563	.250 MIN	1.125	1.125		
MP5cg	.437	.250 MIN	1.125	1.125		
MP5ch	.410 MAX	.200 .250	1.13 MAX	1.13 MAX	PIN 6 OMITTED	
MP5cj	.410 MAX	.200 .250	1.51 MAX	1.51 MAX		
MP5ck			1.40	1.40		*
MP5cm	.400	.200 TYP	1.125	1.62		
MP5cn	.500	.220 MIN	1.125	1.125	PINS 1 and 4 OMITTED	
MP5cp	.420 MAX	.200 .250	2.020 MAX	2.020 MAX	PINS 2,6-8 OMITTED	
MP5cq	.340 MAX	.200 .250	1.400 MAX	1.400 MAX	PINS 1,4 OMITTED	
MP5cr	.410 MAX	.200 .250	2.010 MAX	2.010 MAX		OMITTED
MP5cs	.400	.200	1.130	1.130	PINS 4 and 8 OMITTED	
MP5ct	.437	.250 MIN	1.125	1.125		
MP5cu	.950	.200 .250	2.83	1.33	PINS 3 and 4 OMITTED	
MP5cv	.400	.200 MIN	2.00	2.00		NONE

MP6

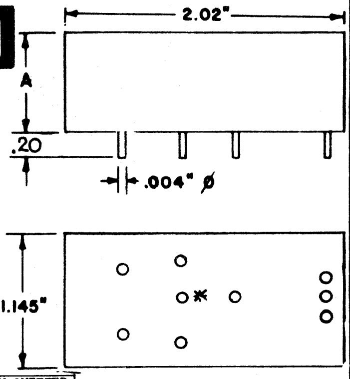


	A	B	C	D	E	REMARKS
MP6	.190	.625	1.125	1.125		PINS 1 and 4 OMITTED and TAPPED HOLES OPTIONAL
MP6a	1.50	.625	1.125	1.125		WITHOUT TAPPED HOLES
MP6b		.625	1.125	1.125		PINS 1 and 4 OMITTED and WITHOUT TAPPED HOLES
MP6c	.200	.625	1.125	1.125		PINS 1 and 4 OMITTED and WITHOUT TAPPED HOLES
MP6e	1.06	.620	1.20	1.12		PINS 1 and 4 OMITTED and WITHOUT TAPPED HOLES
MP6f	1.00	.620	1.12	1.12		PINS 1 and 4 OMITTED and WITHOUT TAPPED HOLES
MP6g	.200 .250	.640 MAX	1.13 MAX	1.13 MAX		PINS 1 and 4 OMITTED and WITHOUT TAPPED HOLES
MP6h	.250	.620	1.13	1.12		PINS 1,4,5 OMITTED
MP6j	.250	.687	1.125	1.125		PINS 1 and 4 OMITTED
MP6k	.250	.687	1.125	1.125		PINS 1 and 4 OMITTED and WITHOUT TAPPED HOLES
MP6m	.250	.620	1.12	1.12		PINS 1 and 4 OMITTED
MP6n	.795	.270	.615	.615		PINS 1,2,6 and 8 OMITTED and WITHOUT TAPPED HOLES
MP6p	.250 MIN	.625	1.125	1.125		NO PINS OMITTED and NO TAPPED HOLES
MP6q	2.50 MIN	.500	1.125	1.125		NO PINS OMITTED and NO TAPPED HOLES
MP6r	.545	.290 MAX	.620 MAX	.620 MAX		PINS 1,4,6,8 OMITTED and WITHOUT TAPPED HOLES
MP6s	.795	.290 MAX	.620 MAX	.620 MAX		PINS 1,4,6,8 OMITTED and WITHOUT TAPPED HOLES
MP6t		.620	1.12	1.15	.200 MIN	PINS 1 and 4 OMITTED and WITHOUT TAPPED HOLES
MP6u		.620	1.120	1.120	.200 .250	PINS 1 and 4 OMITTED and WITHOUT TAPPED HOLES

MP7

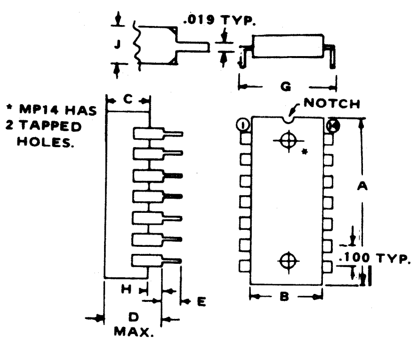


MP8



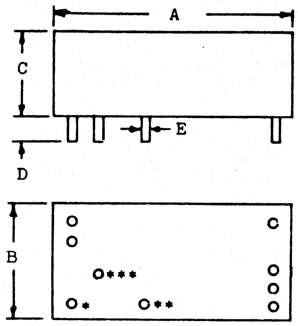
	A	
MP8	.625	
MP8a	.400	
MP8b	.625	*-PIN OMITTED
MP8c	.400	*-PIN OMITTED
MP8d	.620 MAX	*-PIN OMITTED

MP14



	A	B	C	D	E	G	H	J
MP14	.750	.250	.145	.180 MAX	1.00 MIN	.310	.020 MIN	
MP14b	.715	.270	.120		.180	.305	.020 MIN	
MP14c	.715	.265	.110	.145	.145	.350	.020 MIN	
MP14d	.760	.260	.120	.150	.160		.020 MIN	
MP14g	.697	.256	.177	.197	.0196	.394	.020 MIN	
MP14h	.750	.260		.160 MAX	.120 MIN		.015 MIN	
MP14j	.690	.250	.200	.220	.080	.350	.020 MIN	
MP14k	.790		.180	.200	.165		.020 MIN	
MP14m	.710	.235 .270	.100 .120	.150 .190	.120 .130	.350 TYP	.050 .070	.045 TYP
MP14p	.700 .720	.215 .235	.160	.187	.110 TYP	.350 TYP	.020 MIN	
MP14r	.725 MAX	.265 MAX	.160	.180 MAX	.125	.360 MAX	.020	
MP14s	.745 .770	.260 .280	.140	.160	.150 MIN	.290 .310	.020 MIN	
MP14t	.780 MAX	.240 .280	.185	.200		.300 .400	.015	.040 .050
MP14u	.750 MAX	.500	.185	.200		.600 .700	.015	.040 .050
MP14v	.750 .785	.245 .271	.185	.200 MAX	.100 .165	.375	.015 MIN	
MP14w	.740 .770	.240 .280	.145	.160 MAX	.120 MIN	.325 .375	.015 MIN	.040 .050
MP14x	.755 .785	.265 .291	.150 MIN	.170 .219	.100 .165	.375	.020 MIN	.045 .065
MP14y	.765	.256	.140	.170	.125	.300	.020 .040	
MP14z	.660 .785	.220 .280	.200 MAX	.255 MAX	.100 MIN	.290 .310	.015 .055	.030 .070
MP14aa	.696 MAX	.253 MAX	.050	.140	.143	.299	.029	
MP14ab	.690 .710	.240 .260	.070 .090	.130 .150	.120 .140	.290 .310	.050 .070	.040 .060
MP14ac	.785 MAX	.220 .325	.205	.220 MAX	.100 MIN	.300	.015 MIN	.030 .070
MP14ad	.750 .785	.244 .271		.200 MAX	.125 MIN	.380	.015 .080	.045 .065
MP14af	.700 .785	.230 .270	.090 .150	.110 .200	.125 .150	.290 .310	.020 .050	.030 .070
MP14ag	.770 MAX	.240 .260		.200 MAX	.125 MIN			
MP14ah	.765	.248		.175	.125 .145	.300	.025	.060
MP14aj	.699 MAX	.244 .255	.110 MAX	.140 MAX	.124 .154	.299	.029	
MP14ak	.796 MAX	.220 .310		.200 MAX	.125 .200	.290 .320		

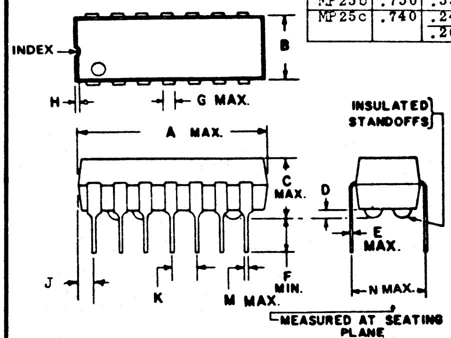
MP17



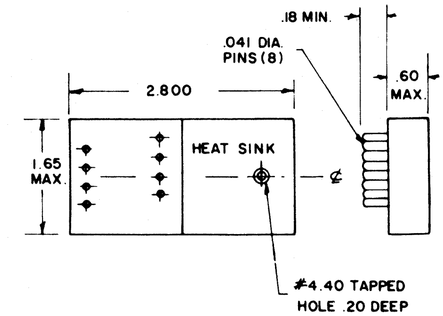
	A	B	C	D	E	REMARKS
MP17	2.87	1.37 MAX	.99 MAX	.250 MAX	.040	TAPPED HOLES OMITTED *-NC
MP17a	2.87	1.37 MAX	.99 MAX	.250 MAX	.040	TAPPED HOLES OMITTED *-CONNECTED
MP17b	2.87	1.37 MAX	.99 MAX	.250 MAX	.040	WITH TAPPED HOLES *-NC
MP17c	2.87	1.37 MAX	.99 MAX	.250 MAX	.040	TAPPED HOLES OMITTED *-NC **-NC
MP17d	2.81	1.31	.625	.020 MIN		TAPPED HOLES OMITTED *-NC **-NC ***-NC

MP25

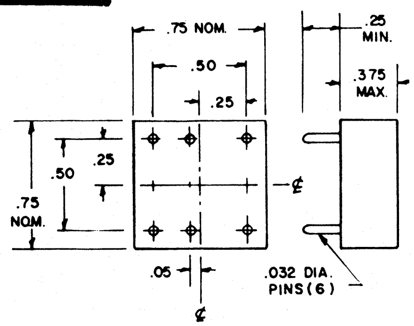
	A	B	C	D	E	F	G	H	J	K	M	N
MP25	.750	.235 / .250	.180	.020	.012	.100				.100	.021	.310
MP25a	.750	.240 / .280	.200	.030	.015	.150	.070	.025	.062	.100	.023	.310
MP25b	.750	.550	.200	.030	.011	.150	.050		.075	.100	.028	.615
MP25c	.740	.240 / .260	.200	.030	.015	.100	.070	.025	.062	.100	.023	.310



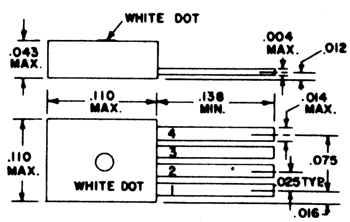
MP26



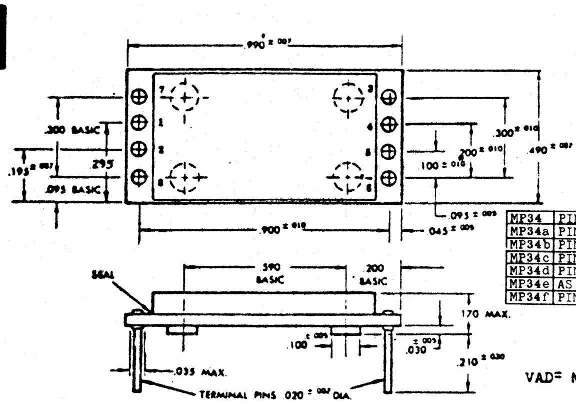
MP27



MP33



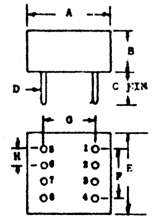
MP34



MP34	PIN 2,4,5,7,8 OMITTED
MP34a	PIN 2,7,8 OMITTED
MP34b	PIN 1,4,5,7,8 OMITTED
MP34c	PIN 1,7,8 OMITTED
MP34d	PIN 2,5,7,8 OMITTED
MP34e	AS SHOWN
MP34f	PIN 2,3,4,6 OMITTED

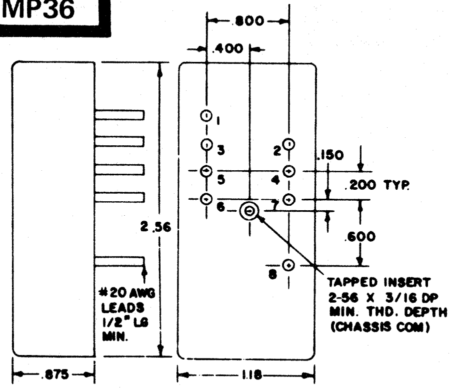
VAD= MP34a

MP35

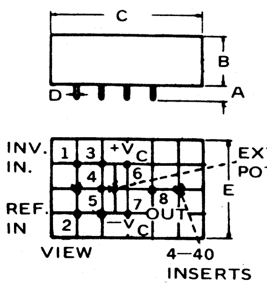


	A	B	C	D	E	F	G	H	REMARKS
MP35	.750	.350	.500	.031	.750				PINS 1 AND 4 OMITTED
MP35a	.500	.400	.250	.019	.500				PINS 2 AND 3 OMITTED
MP35b	1.62	2.37				1.18	1.18	1.37	
MP35c	2.00	.400	.150	.020	1.50				PINS 6 AND 7 OMITTED

MP36

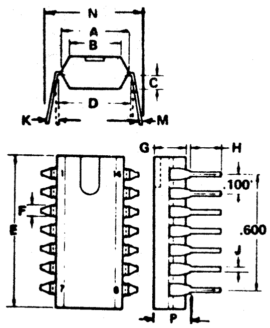


MP38



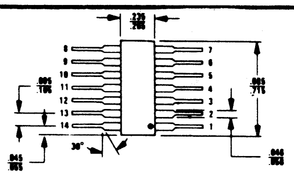
	A	B	C	D	E	REMARKS
MP38	.180 MIN	.600	1.80	.040	1.20	
MP38a	.200/.250	.600	1.80	.040	1.20	OMIT PINS 4 and 5
MP38b	.200/.250	.610 MAX	2.41 MAX	.200/.250	1.82 MAX	

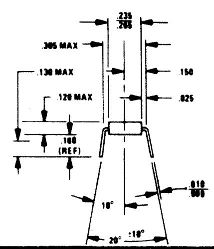
MP39



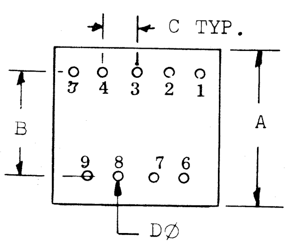
	A	B	C	D	E	F	G	H	J	K	M	N	P
MP39	.250	.210	.055	.300	.750	.060	.130	.135	.018				
MP39a	.280/.240				.750 MAX			.125 MIN	.023/.015	0°/15°	.008/.015	.300/.350	.200 MAX
MP39b	.240/.255			.322	.755	.043/.062	4.32	.102/.150	.015/.020		.007/.011	.290/.375	.200
MP39c	.250	.205/.215		.290/.310	.785 MAX	.045/.065	.180 MAX	.125	.016/.020		.009/.011	.375	.200 MAX
MP39d	.240/.260			.290/.310	.740/.760	.045/.065	.165 MAX	.100/.150	.016/.020		.009/.011	.375	.200 MAX
MP39e	.260 MAX			.310	.760 MAX		.140 MAX	.125 MIN	.015/.021		.008/.012	.350 MAX	.175 MAX
MP39f				.290/.310	.783 MAX			.100	.017	15° MAX	.013 MAX		.200 MAX
MP39g	.260 MAX				.790 MAX		.140 MAX	.125 MIN	.015/.021		.008/.012	.210/.350	.175 MAX
MP39h	.240/.260			.290/.310	.710/.770	.070 MAX	.180	.125 MIN	.015/.021		.008/.014	.300/.350	.200 MAX
MP39j	.220/.280				.785 MAX	.030/.070		.100 MIN	.015/.023	0°/15°	.008/.015		.200 MAX
MP39k	.252 MAX		.058	.300/.310	.740	.060	.131	.125 MAX	.018	5°	.009/.011	.330/.370	.156 MAX
MP39m	.244/.259			.291/.307	.744/.767		.161	.122/.161	.017	20°	.009	.299/.322	.181 MAX
MP39n	.245/.255		.065	.300/.320	.770 MAX		.125/.135	.125 MIN	.015/.021		.009/.015	.310/.350	.145/.155
MP39p	.260/.270		.075/.080		.760/.770	.058/.062	.145/.155	.120 MIN	.017/.019		.010/.012	.300	.160/.200
MP39q	.244/.251			.291/.307	.744/.755	.059		.122/.141	.017		.009	.299/.322	.181
MP39r				.299	.798 MAX	.059/.071	.142	.118 MIN	.016/.023		.009/.014	.299/.354	.154

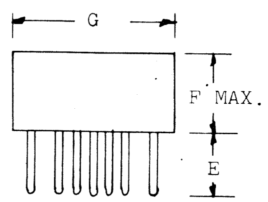
MP40





MP42

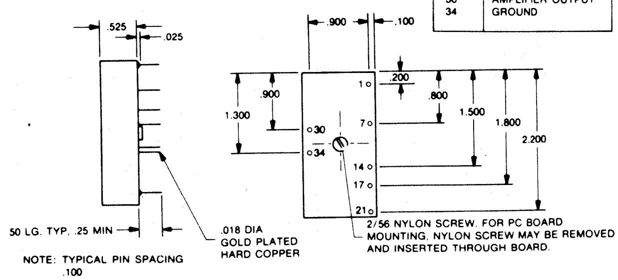




	A	B	C	D	E	F	G	REMARKS
MP42	1.500	.800	.200	.040	.210	.400	1.500	
MP42a	1.125	.800	.200	.040	.210	.500	1.125	PINS 8and9 OMITTED
MP42b	1.500	.800	.200	.040	.210	.400	1.500	PINS 8and9 OMITTED
MP42c	1.500	1.10	.200			.600	1.500	
MP42d	1.125	.800	.200	.040	.200 MIN	.400	1.125	PINS 6and9 OMITTED
MP42e	1.125	.800	.200	.040	.210	.500	1.125	PINS 6and9 OMITTED
MP42f	1.50	.800	.200	.040	.210	.400	1.50	PINS 6and9 OMITTED

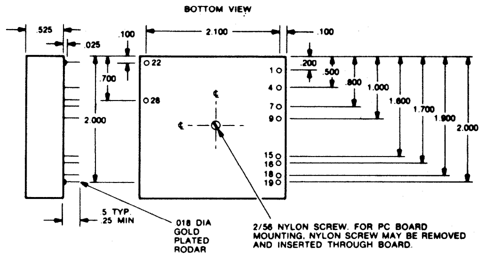
MP43

PIN NO.	FUNCTION
1	+22V SUPPLY
7	+INPUT
14	−INPUT
17	ALTERNATE OUTPUT
21	−22V SUPPLY
30	AMPLIFIER OUTPUT
34	GROUND

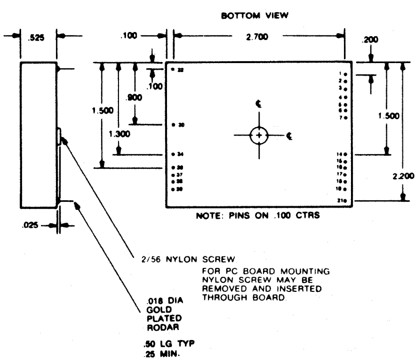


MP44

PIN NO.	FUNCTION
1	+22V SUPPLY
4	MINUS (−) INPUT
7	PLUS (+) INPUT
9	22V SUPPLY
15	ANALOG GROUND NO. 1
16	INPUT NO. 1
18	ANALOG GROUND NO.2
19	INPUT NO. 2
22	GROUND
28	OUTPUT



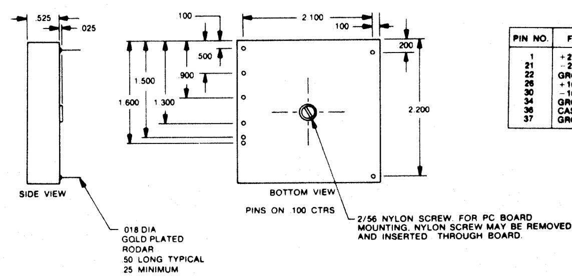
MP45



PIN NO.	FUNCTION
1	+22V
2	+ INPUT
3	SHIELD INPUT
4	− INPUT
5	CM FILTER
6	GUARD DRIVE
7	GAIN SELECT
14	GAIN 50
15	" 100
16	" 200
17	" 500
18	GAIN 1000
19	VAR GAIN
21	−22V
22	SUPPLY GROUND
30	OUTPUT
34	OUTPUT GROUND
36	CASE SHIELD
37	SIGNAL COMMON

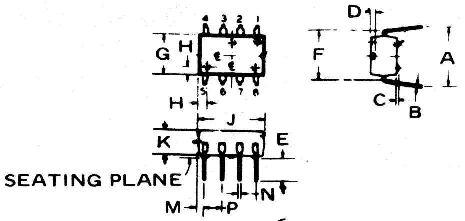
NOTE: Pins 22, 34, 36, and 37 are connected internally

MP46



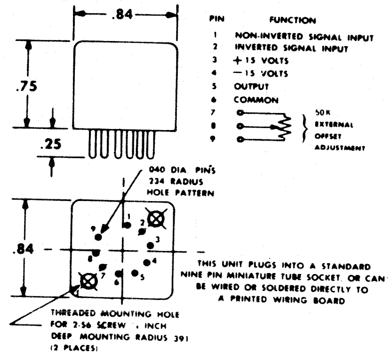
PIN NO.	FUNCTION
1	+22V SUPPLY
21	−22V SUPPLY
22	GROUND
26	+10V OUTPUT
30	−10V OUTPUT
34	GROUND
36	CASE SHIELD
37	GROUND

MP48

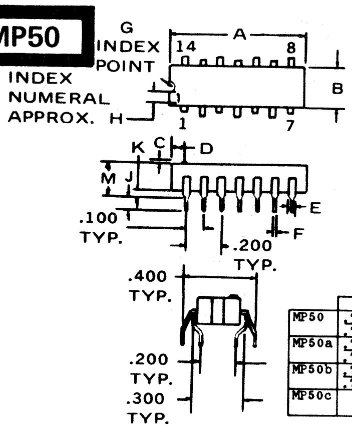


	A	B	C	D	E	F	G	H	J	K	M	N	P
MP48	.325 / .375	.009 / .015	.020	.035 MIN	.140 / .170	.290 / .310	.236 / .256	.050	.363 / .393	.130 / .150	.039	.018	.100
MP48a	.375	.009 / .011	.040 MAX	.035	.125 MIN	.290 / .310	.236 / .256	.050	.363 / .393	.130 / .150	.039	.018	.100
MP48b	.300				.070	.290			.400 MAX	.200 MAX		.023 MAX	.100
MP48c		.008 / .014			.100 MIN	.290 / .310	.240 / .260		.360 / .390	.180			.090 / .110

MP49

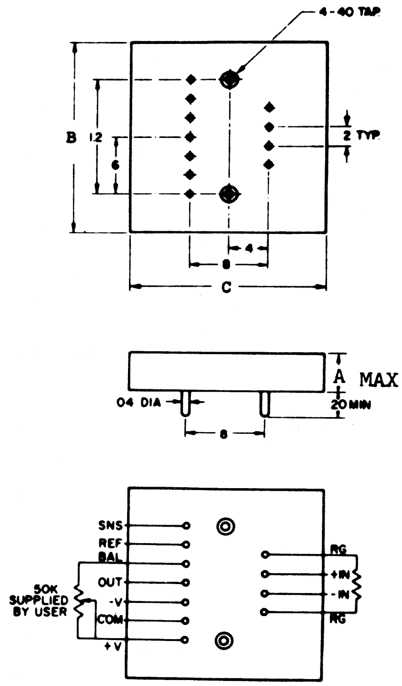


MP50



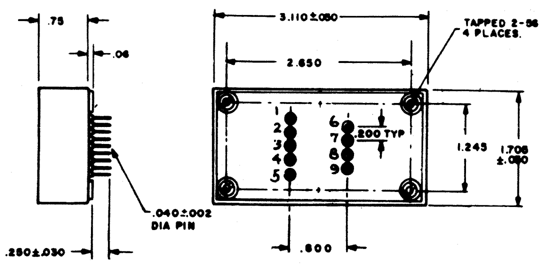
	A	B	C	D	E	F	G	H	J	K	M	REMARKS
MP50	.750 / .770	.240 / .260	.005 MAX	.070 / .090	.040 / .060	.015 / .023	.020 / .030	.062	.100 MIN	.200 MIN		
MP50a	.745 / .785	.260 / .280	NA	NA	.050 / .070	.022 / .028		N.A.	.100 MIN	.200 MIN		NO INDEX NUMERAL
MP50b	.750 / .770	.240 / .280	NA	NA	.040 / .060	.015 / .023	.020 / .030	N.A.	.100 MIN	.200 MIN		
MP50c		.260 / .270			.580 / .620	.017 / .019	.100				.180 / .235	INDEX NUMBER

MP51



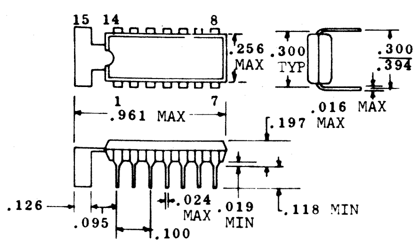
	A	B	C
MP51	.600	2.00	2.00
MP51a	.750	2.00	2.00
MP51b	.620	1.50	1.50
MP51c	.375	1.50	1.50

MP53



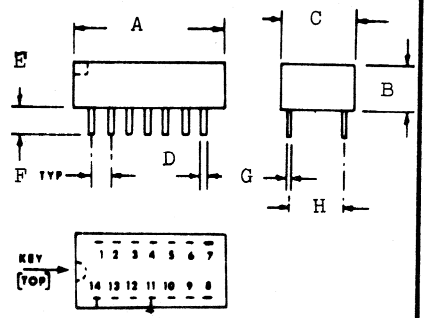
MP53a	OMIT PINS 6 & 9

MP55

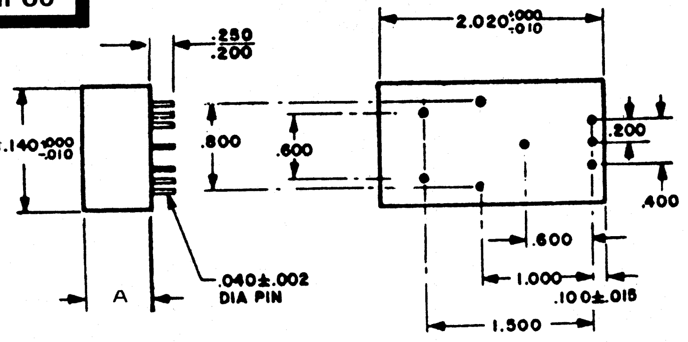


MP58

	A	B	C	D	E	F	G	H	REMARKS
MP58	.800 MAX	.270 MAX	.360 MAX	.021 / .015	.150 / .100	.100	.011 / .009	.300	
MP58a	.760 MAX	.250 MAX	.460 MAX	.020	.150				
MP58b	.760 MAX	.250 MAX	.460 MAX	.020	.180 MIN				
MP58c	.800	.380	.480	.025	.120 MIN	.100		.300	OMIT PINS 1,2,4,7,8, 12,13,14
MP58d	.785 MAX	.185 MAX	.450 MAX	.016 / .020	.187 MIN	.100		.300	DOT ON PIN 1, NO KEY
MP58e	.800 MAX	.220	.360	.023	.145 MIN		.011	.300	
MP48f	.800 MAX	.200	.500 MAX		.150	.100		.300	NO KEY
MP58g	.760 MAX	.250 MAX	.460 MAX	.020	.180 MIN			.300	OMIT PINS 1,2,3,7,8, 9,13,14
MP58h	.800	.200	.500	.020	.180	.100	.020	.300	

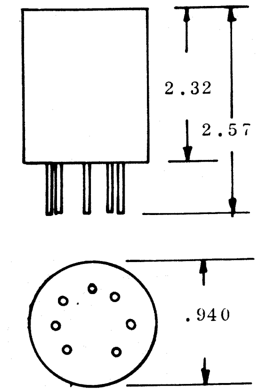


MP60

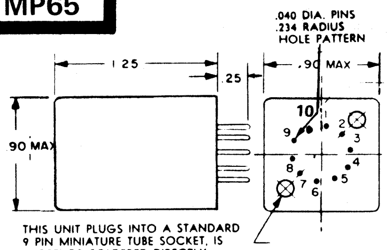


	A
MP60	.625

MP63



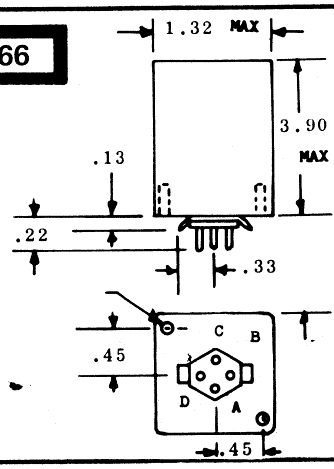
MP65



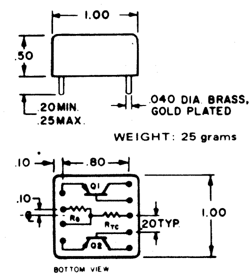
THIS UNIT PLUGS INTO A STANDARD 9 PIN MINIATURE TUBE SOCKET, IS WIRED OR SOLDERED DIRECTLY TO A PRINTED WIRING BOARD
THREADED MOUNTING HOLE FOR 2-56 SCREW 1/4 INCH DEEP.
MOUNTING RADIUS—.391 (2 PLACES)

	REMARKS
MP65	OMIT PIN 10
MP65a	OMIT PIN 9

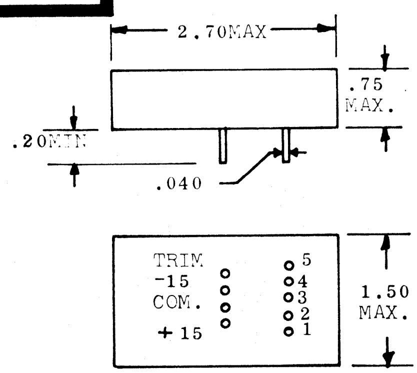
MP66



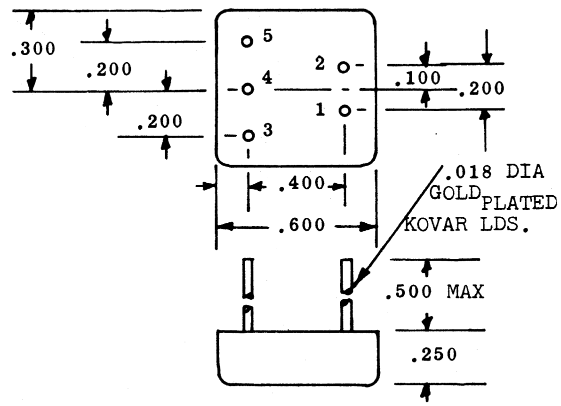
MP67



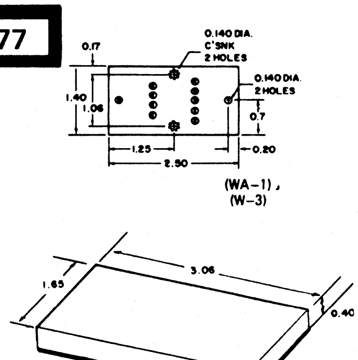
MP68



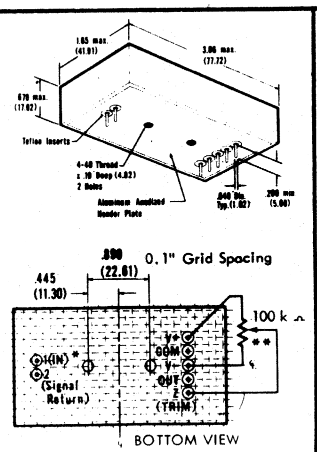
MP72



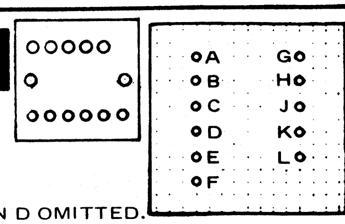
MP77



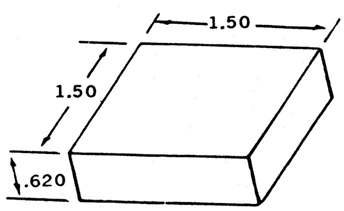
MP79



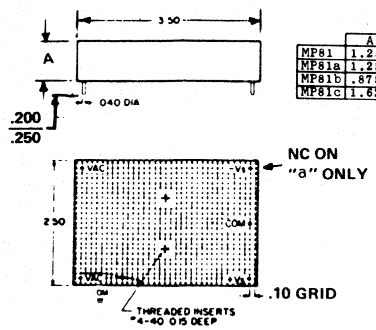
MP80



MP80a — PIN D OMITTED.

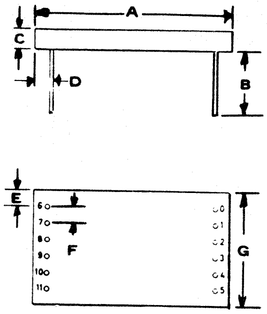


MP81



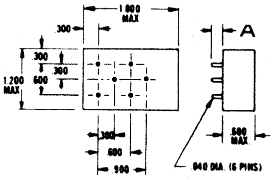
	A
MP81	1.25
MP81a	1.25
MP81b	.875
MP81c	1.62

MP82



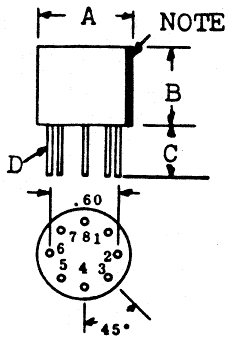
	A	B	C	D	E	F	G
MP82	1.60	1.00	.190	.152	.157	.095 .105	.815
MP82a	2.62	.250 MIN	.625		.312	.500	3.12

MP83



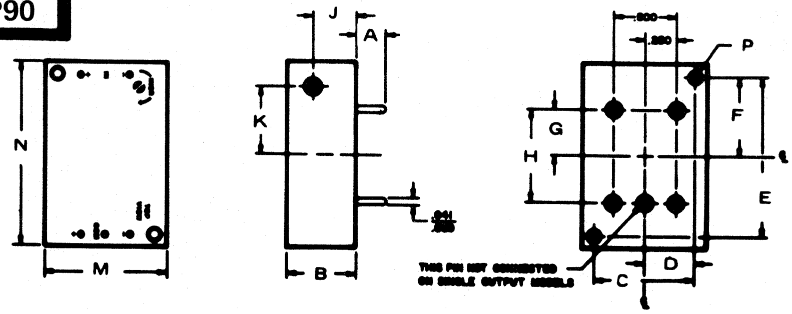
	A
MP83	.160
MP83a	.200 MIN

MP86



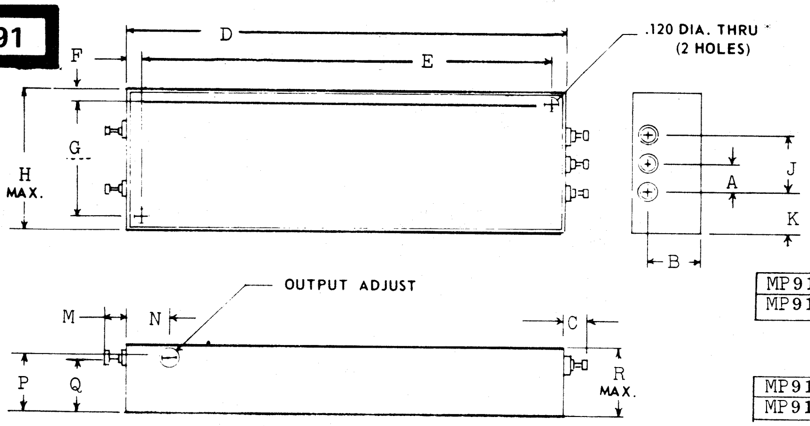
	A	B	C	D	NOTE
MP86	.700	.600			SQUARE
MP86a	.750	.437	.500	.031	CHAMFERED

MP90



	A	B	C	D	E	F	G	H	J	K	M	N	P	REMARKS
MP90	.230	.550	.800	.400	1.30	.650	.375	.750	.340	.550	1.00	1.50	.093	
MP90a	.175	.500												HOLES OMITTED
MP90b	.200	.600	.630	.630	1.08	1.08	.475	.975	.350		1.50	2.42	.120	

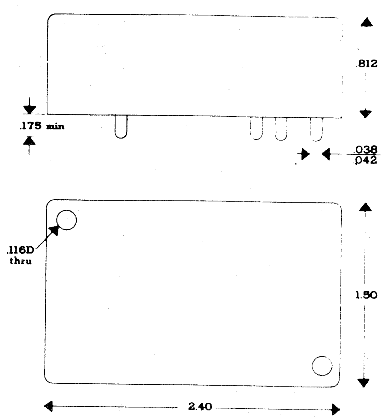
MP91

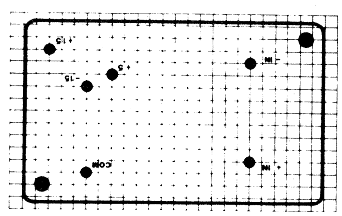


	A	B	C	D	E	F	G	H
MP91		.480	.200	3.81	3.56	.120	1.00	1.25
MP91b	.250	.480		3.81	3.56	.120	1.00	1.25

	J	K	M	N	P	Q	R
MP91	.500	.380	.170	.380	.500	.480	.620
MP91b	.500	.380	.170	.380	.500	.480	

MP92

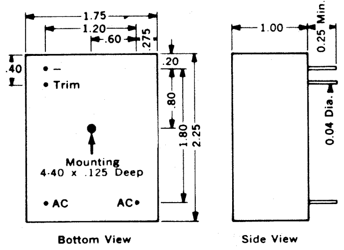




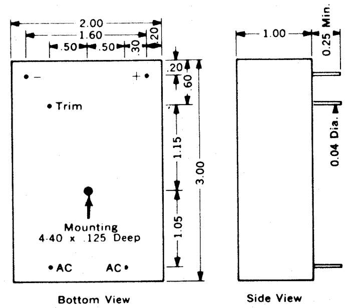
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

MP93

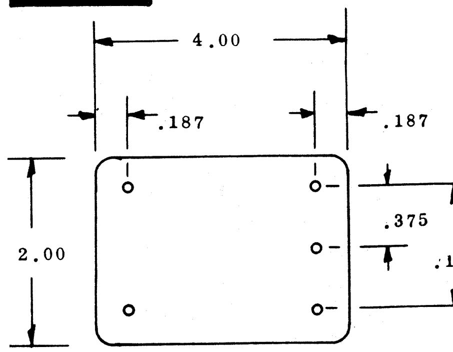


MP94

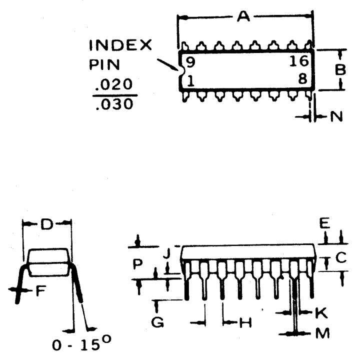


MP94a – TRIM PIN OMITTED.

MP98



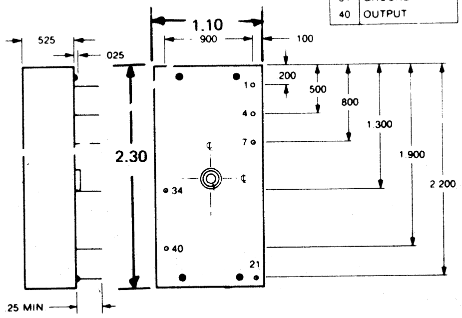
MP104



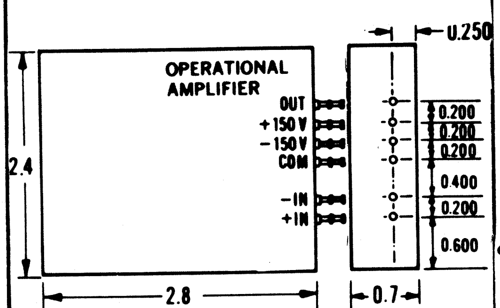
	A	B	C	D	E	F	G	H	J	K	M	N	P
MP104	.750 / .770	.240 / .260	.150 / .170	.290 / .310	.065 / .085	.008 / .012	.100 MIN	.100 TYP	.020 MIN	.040 / .060	.015 / .023	.022 / .038	
MP104a	.740 / .780	.240 / .270	.135 / .165	.290 / .325		.008 / .012	.115 / .135	.090 / .110		.057 / .063	.015 / .020	.015 / .035	
MP104b	.740 / .770	.240 / .280	.115 / .125	.290 / .310		.008 / .015	.120 MIN	.090 / .110	.015 MIN	.028 / .036	.015 / .023		
MP104c	.760 / .770	.260 / .270	.100 / .140	.300		.010 / .012	.120 MIN		.015 / .045	.058 / .062	.017 / .019		.160 / .200
MP104d	.748	.251	.180	.299		.009	.110 MIN	.100	.019 MIN	.045	.019		.199 MAX
MP104e	.787 MAX	.275 MAX		.324 MAX		.014 MAX	.118 MIN	.100	.020 MIN	.062 MAX	.023 MAX	.050 MAX	.200 MAX
MP104f	.810 MAX	.265 MAX	.095 MAX	.325 MAX		.009 TYP	.150 MIN	.090 / .110			.018 TYP		
MP104g	.740 / .800	.220 / .300	.160 / .180	.290 / .320			.110 / .220	.090 / .110	.015 / .040	.030 / .070	.014 / .023		.175 / .220
MP104h	.735 / .765	.240 / .260	.180 MAX	.290 / .310		.008 / .014	.100 MIN	.090 / .110	.020 MIN	.035 / .065	.015 / .023		.200 MAX
MP104j	.787 MAX	.255	.130	.330		.007	.130	.100	.019		.017		
MP104k	.787 MAX	.279		.330		.009	.130	.100	.020 MIN		.017		.200 MAX
MP104m	.866	.256	.129	.300	.061	.014	.122	.100	.032		.024		.197

MP105

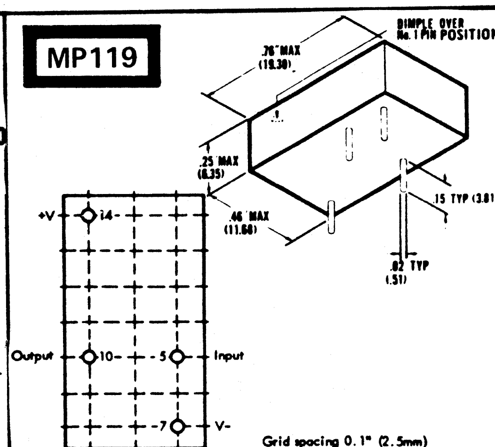
PIN NO	FUNCTION
1	+ 22.0 V SUPPLY
4	+ INPUT (A)
7	– INPUT (B)
21	– 22.0 V SUPPLY
34	GROUND
40	OUTPUT



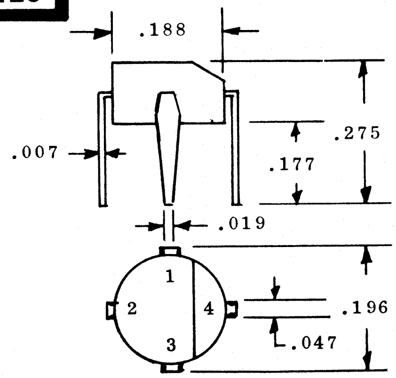
MP117



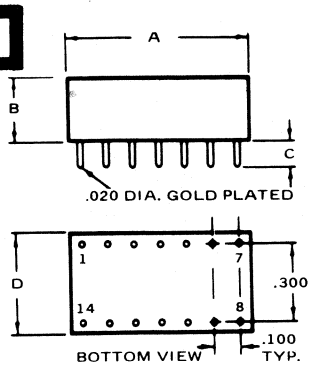
MP119



MP120

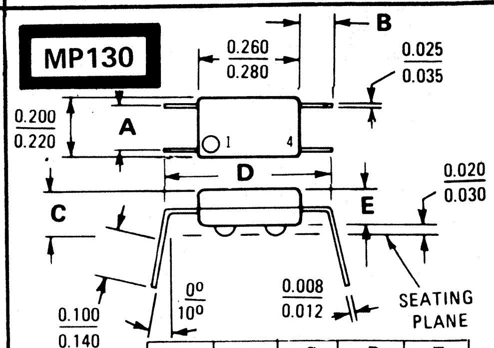


MP126



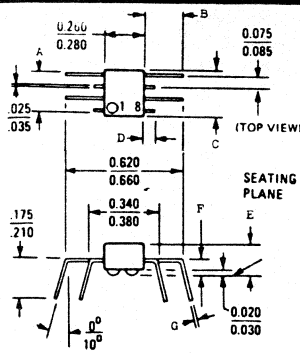
	A	B	C	D
MP126	.700	.225	.200 MIN	.385
MP126a	.800	.250	.180	.500

MP130



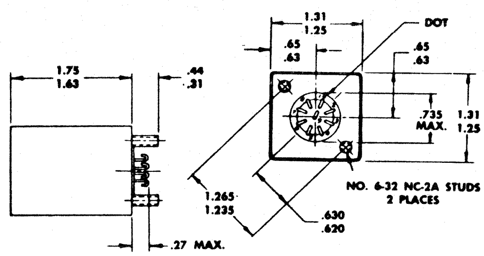
	A	B	C	D	E
MP130	.150 / .165	.035 / .060	.135 / .160	.340 / .380	.110 / .135
MP130a	.145 / .155	.040 / .060	.135 / .155	.350 / .390	.110 / .130

MP131



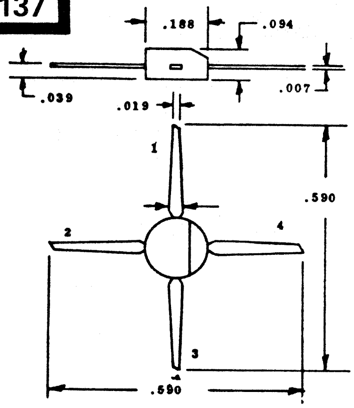
	A	B	C	D	E	F	G
MP131	.260/.280	.175/.195	.320/.340	.035/.055	.140/.150	.070/.080	.008/.016
MP131a	.290/.310	.165/.195	.290/.310	.020/.050	.135/.160	.075/.095	.008/.012

MP132

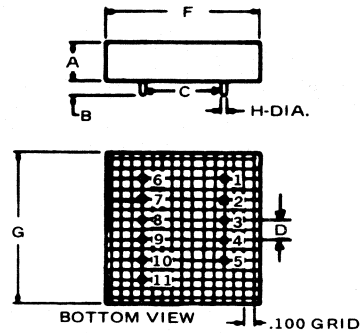


1. DC INPUT SIGNAL
2. 10 VOLTS
3. NO CONNECTION
4. COMMON
5. PULSE OUTPUT FREQUENCY
6. 10 VOLTS
7. RAMP OUTPUT FREQUENCY
8. NO CONNECTION
9. NO CONNECTION

MP137

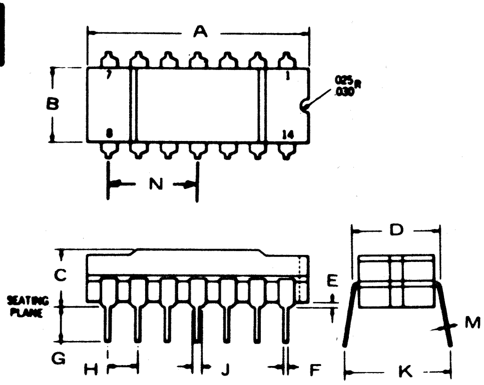


MP138



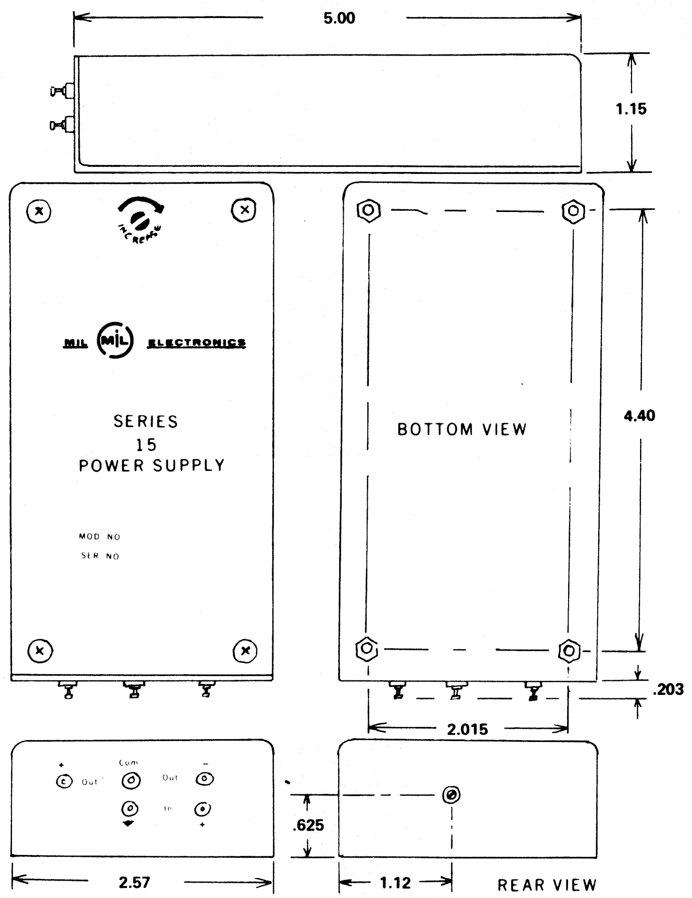
	A	B	C	D	F	G	H	PIN NO. 1	2	3	4	5	6	7	8	9	10	11
MP138	.620	.200/.250			1.50	1.50	.040											
MP138a	.400	.200 MIN	.800	.200	1.50	1.50	.040											
MP138b	.600	.200	.800	.020	1.50	1.50	.040	+15	COM	-15	OUT	C	REF	Y	X	A	B	Z
MP138c	.600	.200	.800	.020	1.50	1.50	.040	+15	COM	-15	OUT	OUT BAL	NC	XBAL	X	Y	YBAL	Z
MP138d	.620	.200	.800	.200	1.50	1.50	.040	+V	COM	-V	OUT	BAL	REF	Y	X	NA	NA	Z

MP139

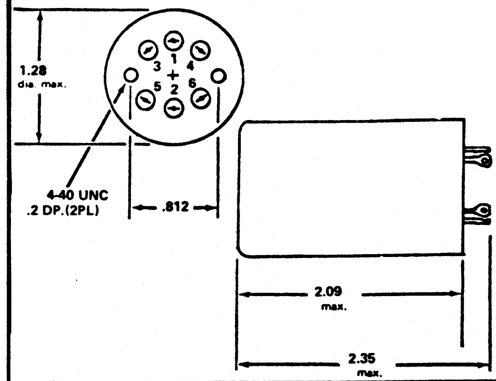


	A	B	C	D	E	F	G	H	J	K	M	N
MP139	.750/.785	.240/.280	.200 MAX	.290/.310	.015 MIN	.016/.020	.100/.160	.090/.110	.027/.037	.375 TYP	.009/.011	
MP139a	.660/.780	.220/.280	.200 MAX	.325 MAX		.015/.023	.100 MIN		.030/.070	.290/.310	.008/.015	.290/.310
MP139b	.755/.785	.245/.280	.200 MAX	.290/.310	.020 MIN	.015/.023	.130 MIN	.100	.030 MIN		.008/.014	
MP139c	.736/.751	.280	.130	.310	.035	.018	.150	.100	.032		.015	

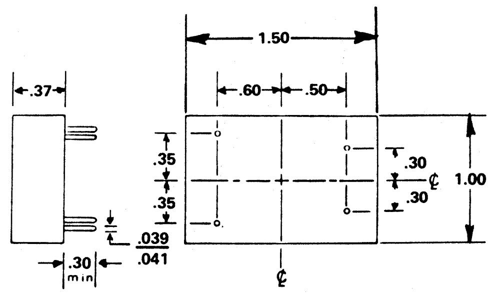
MP140



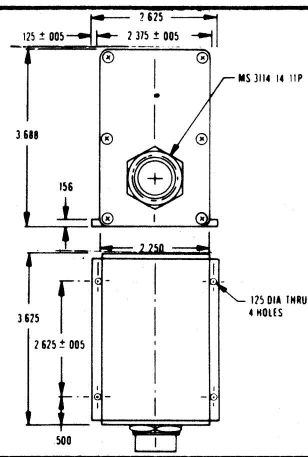
MP141



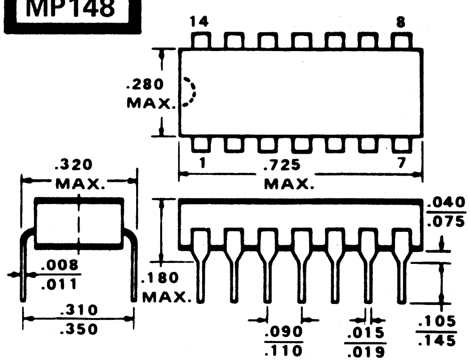
MP142



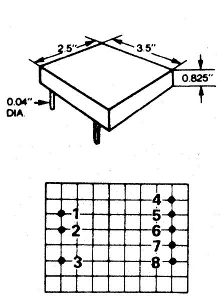
MP145



MP148

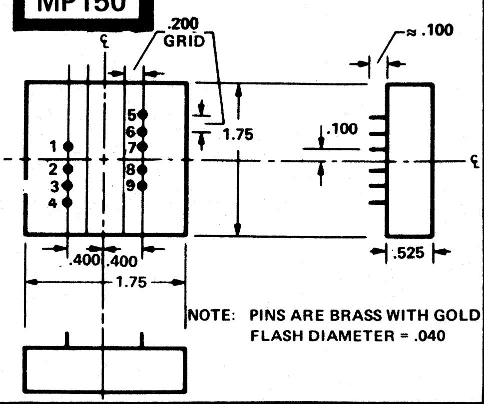


MP149



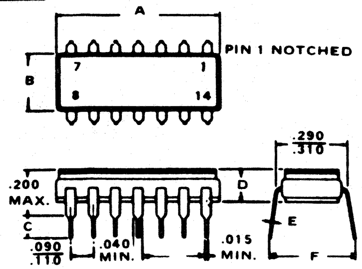
	A	B	C	D	REMARKS
MP149	2.5	3.5	.825	.040	PIN 5 OMITTED
MP149a	2.5	3.5	.825	.040	

MP150



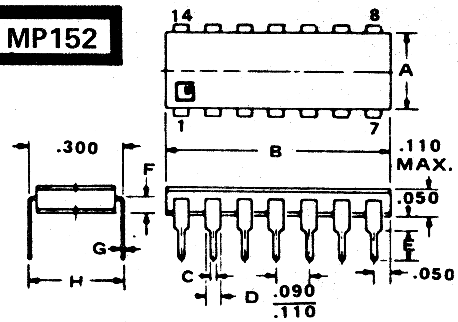
NOTE: PINS ARE BRASS WITH GOLD FLASH DIAMETER = .040

MP151



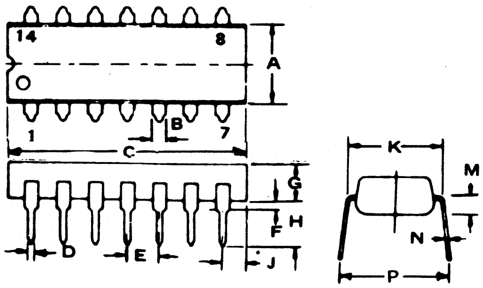
	A	B	C	D	E	F
MP151	.685/.715	.245/.275	.100 MIN	.145 MAX	.009/.011	.375 MAX
MP151a	.785 MAX	.280 MAX	.125			.375 MAX
MP151b	.715	.270 MAX	.125 MIN		.008/.015	.300/.350
MP151c	.750/.785	.245/.271	.100/.165	.185 MAX	.009/.011	.375
MP151d	.750/.800	.240/.290	.100/.110	.160	.009/.011	.305/.415

MP152



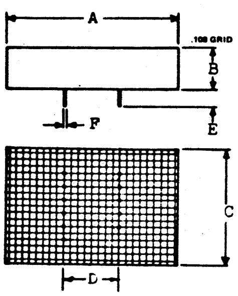
	A	B	C	D	E	F	G	H
MP152	.235/.265	.685/.715	.015/.020	.055 MAX	.125	.055	.006/.012	.290/.310
MP152a	.250/.265	.695/.730	.014/.020	.035/.050	.120 MIN		.008/.010	.325/.375

MP153



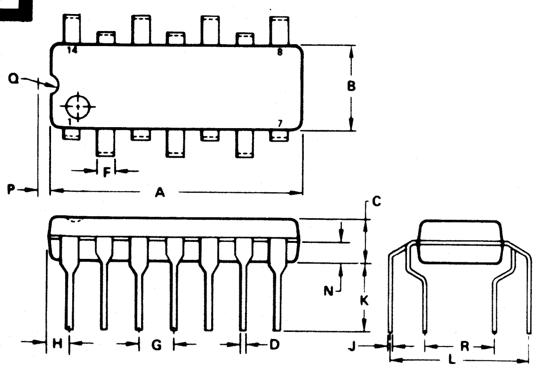
	A	B	C	D	E	F	G	H	J	K	M	N	P
MP153	.245/.250	.044/.052	.745/.755	.015/.021	.090/.110	.015/.035	.115/.125	.135/.165	.065/.085	.290/.310	.060	.010/.015	.325/.375
MP153a	.240/.280	.040/.050	.740/.770	.015/.023	.090/.110	.015 MIN		.135 MIN		.290/.310	.120 MIN	.008/.015	.325/.375
MP153b	.250	.060 TYP	.760 TYP .765 MAX	.020 TYP	.092/.108	.040 TYP	.140 MAX	.170	.020	.300 NOM		.010 TYP	
MP153c	.270	.042	.770	.020	.100		.220	.200 MIN		.270			.300
MP153d	.248	.060	.765	.015/.021	.100	.025	.150	.150/.175		.300		.008/.012	
MP153e	.220/.280	.030/.070	.660/.785	.015/.023	.100	.020 MIN	.180 MAX	.100 MIN		.300		.008/.015	
MP153f	.240/.260	.045/.065	.740/.760	.018/.022	.100 TYP	.025	.135 MAX	.150 MIN		.290/.310		.009/.011	.375
MP153g	.245/.271	.045/.065	.750/.785	.016/.020	.100 TYP	.015/.060		.150 MIN	.083/.113	.308/.314		.009/.011	
MP153h	.245/.252	.044/.052	.745/.755	.015/.021	.090/.110	.015/.035	.115/.125	.135/.170	.065/.085	.290/.310	.057/.068	.010/.015	.300/.395

MP155



	A	B	C	D	E	F
MP155	2.50	.600	1.75		.200/.250	.038/.042
MP155a	3.07	.650	1.66	.800	.200	.040/.042

MP160

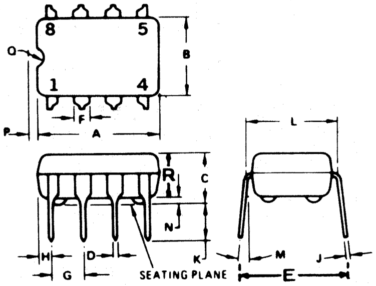


	A	B	C	D	F	G	H	J	K	L	N	P	Q	R	S	T	U
MP160	.715/.740	.240/.260	.130/.150	.015/.020	.040/.060	.100 BSC	.052/.072	.008/.012	.150 MIN	.375/.430	.040/.060	.005/.015	.020/.030	.185/.235			
MP160a	.730/.740	.240/.250	.115/.125	.015/.020	.040/.065	.090/.110	.060/.080	.009/.014	.190/.210	.390/.410	.040/.060		NA	.190/.210			
MP160b	.715/.740	.240/.260	.130/.150	.015/.020	.040/.060	.100 BSC	.052/.072	.008/.012	.150 MIN	.390/.420	.040/.060	.005/.015	.020/.030	.190/.220			
MP160c	.735/.765	.240/.260		.015/.023	.035/.065	.090/.110		.008/.014		.400			NA	.200	.200 MAX	.020 MIN	.100 MIN

14. OUTLINE DRAWINGS

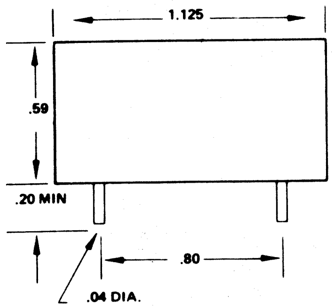
IN DRAWING NUMBER SEQUENCE

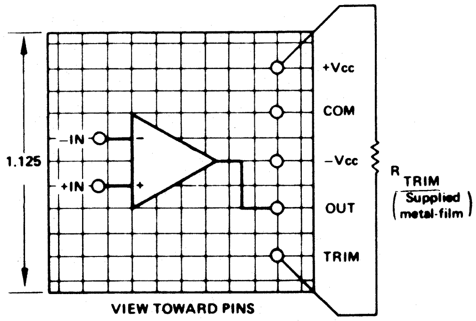
MP161



	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
MP161	.370 / .390	.240 / .250		.014 / .018	.315 / .375	.030 / .060	.100	.045	.008 / .011		.280 / .300	0° / 10°	.020		.030 / .040	.135 / .155
MP161a	.370 / .400	.240 / .250	.155 / .175	.015 / .020		.040 / .060	.100	.030 / .050	.008 / .012	.115 / .135	.290 / .310	10°	.020 / .030	.005 / .015	.030 / .040	
MP161b	.400 MAX	.245 / .255	.145 / .155	.015 / .021	.310 / .350		.100 TYP	.030 / .060	.009 / .015	.125 MIN	.300 / .320		.020 MIN			.125 / .135
MP161c	.370 / .400	.240 / .280	.155 / .175	.014 / .023	.290 / .310		.100	.040	.008 / .015	.125 / .130		0° / 15°	.020 MIN			.130

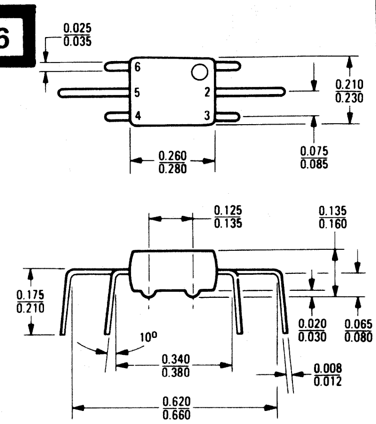
MP162





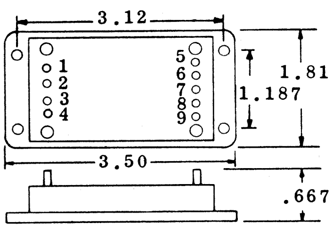
CASE DESIG	WEIGHT (gm)	VOLUME (cu.in)	GRID SPACING (in)
A1	24	0.75 (12.29)	0.1 (0.25)

MP166

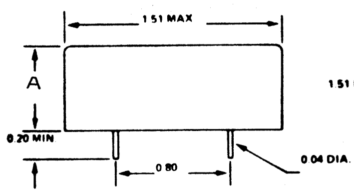


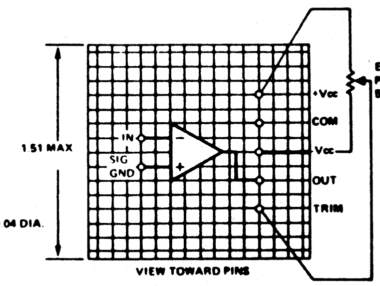
MP167

	A	PINS
MP167		OMIT PINS 1,4
MP167a	.040	



MP172

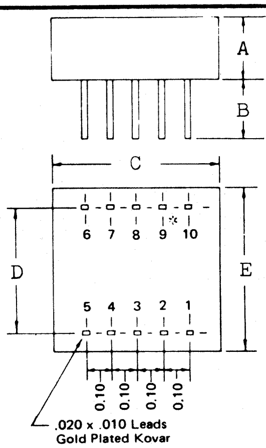




GRID SPACING (in.) 0.1

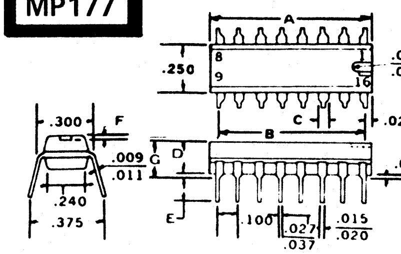
	A
MP172	.610 MAX
MP172a	.415 MAX

MP174



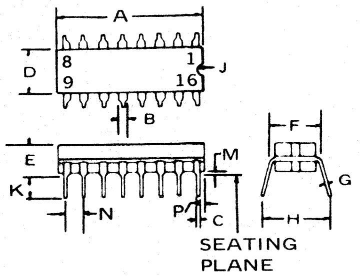
	A	B	C	D	E	PINS OMITTED
MP174	.250		.650	.500	.650	
MP174a	.245	.500 MIN	.600	.400	.600	5,6,9,10

MP177



	A	B	C	D	E	F	G
MP177	.750	.700	.045 / .055	.130	.135	.030	
MP177a	.745 / .760		.045 / .065		.100 / .150	.010 / .020	.190 MAX
MP177b	.770	.700	.050		.110		.185 MAX
MP177c	.740 / .760		.045 / .065		.100 / .150	.010 / .020	.200 MAX

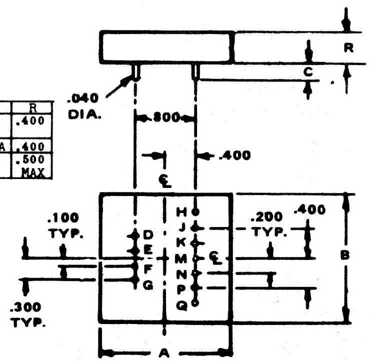
MP178



	A	B	C	D	E	F	G	H	J	K	M	N	P
MP178	.725 .735	.045 .055	.010 .016	.265 .291	.170 .219	.290 .310	.009 .011	.375	.025	.100 .165	.020 MIN	.090 .110	.015 .045
MP178a	.755 .785	.045 .065	.016 .020	.265 .291	.170 .219	.290 .310	.009 .011	.375	.025	.100 .165	.020 MIN	.090 .110	.015 .045
MP178b	.750 .785	.045 .065	.016 .020	.245 .271	.200 MAX	.290 .310	.009 .011	.375	.025	.100 .165	.020 MIN	.090 .110	.015 .045
MP178c	.745 .785	.030 .034	.016 .020	.243 .263	.145 .188	.290 .310	.009 .011	.375	.025	.100 .165	.020 MIN	.090 .110	.015 .045
MP178d	.750 .785	.055 .070	.015 .021	.240 .295	.200 MAX	.295 .350	.008 .012			.100 .165	.020 MIN	.090 .110	.015 .045
MP178e	.745 .785	.030 .034	.016 .020	.243 .263	.145 .188		.010 .012	.030		.100 .165	.020 MIN	.090 .110	.015 .045
MP178f	.740 .760	.045 .065	.016 .020	.240 .260	.200 MAX	.290 .310	.009 .011	.375		.100 .165	.020 MIN	.090 .110	.015 .045
MP178g	.745 .785	.030 .034	.016 .020	.243 .263	.145 .188		.010 .012	.030		.115 .135	.020 MIN	.090 .110	.015 .045
MP178h	.870 MAX		.015 .021	.240 .260	.200 MAX					.125 MIN	.020 MIN	.090 .110	.015 .045
MP178j	.740 .780	.030 .070	.015 .020	.220 .280	.200 MAX	.290 .310	.008 .012			.100 MIN	.020 .030	.100	.015 .035
MP178k	.745 .755	.044 .052	.015 .021	.245 .252	.115 .125	.290 .310	.010 .015	.300 .395		.120 .135	.015 .035	.090 .110	.020 .030
MP178m	.763 MAX	.047	.015 .023	.256	.177 MAX	.300	.008 .010		.039	.125 MIN		.100	.023

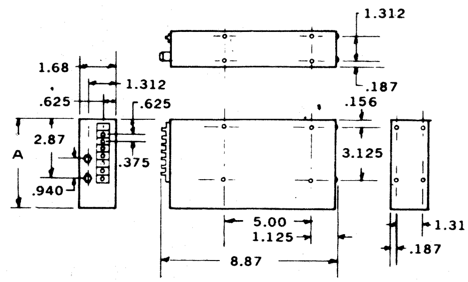
MP179

	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R
MP179	1.50	1.50	.200 MIN	11	9	8	10	1	2	3	4	5	6	7	.400
MP179a	1.75	1.75	.250	OS	IN	G	S	NA	15	COM	-15	OUT	SP	NA	.400
MP179b	1.50	1.50	2.00 MIN	8	9	10	11	1	2	3	4	5	6	7	.500 MAX

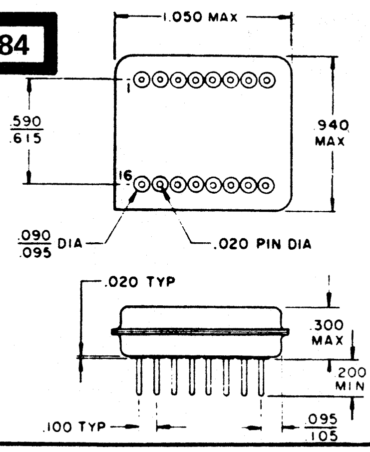


MP180

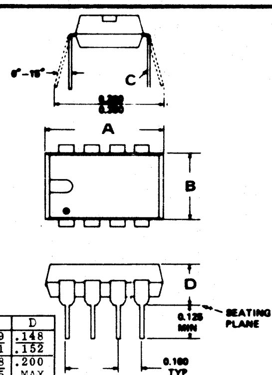
	A
MP180	4.687
MP180a	3.812



MP184

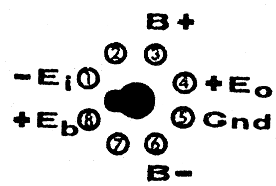


MP189

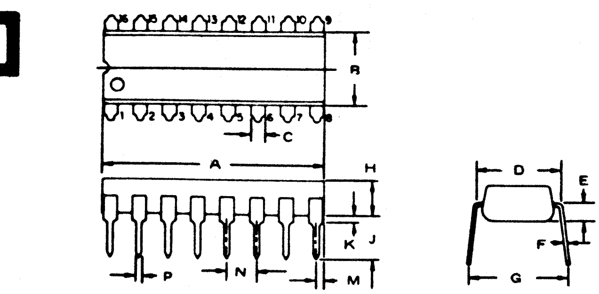


	A	B	C	D
MP189	.370 .390	.248 .252	.009 .011	.148 .152
MP189a	.450 MAX	.240 .280	.008 .015	.200 MAX
MP189b	.374 MAX	.248 MAX	.010	.158 MAX

MP190

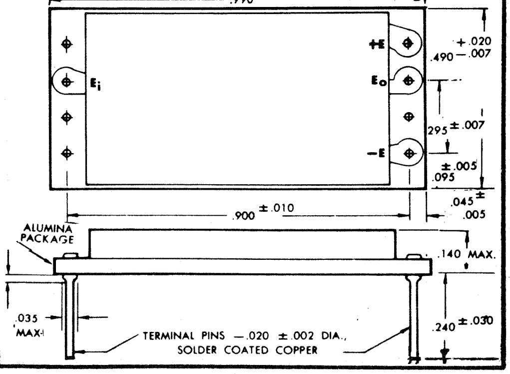


MP192

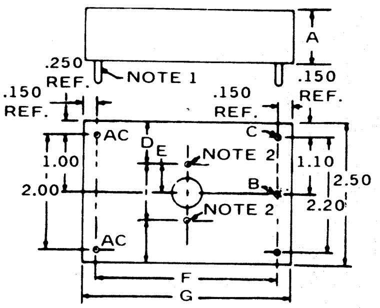


	A	B	C	D	E	F	G	H	J	K	M	N	P
MP192	.745 .755	.245 .250	.044 .052	.290 .310	.060	.010 .015	.325 .375	.115 .125	.135 .165	.015 .035	.015 .035	.090 .110	.015 .021
MP192a	.744 .860	.241 .251	.044 .055	.324 MAX		.008 .014	.290 .375	.170	.125 .150	.014 MIN		.100	.014 .024
MP192b	.745 .755	.245 .252	.044 .052	.290 .310	.057 .068	.010 .015	.325 .375	.115 .125	.135 .165	.015 .035	.065 .085	.090 .110	.015 .021

MP197



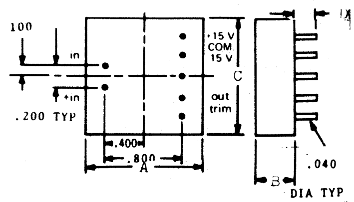
MP198



	A	B	C	D	E	F	G
MP198	.875	COM	-VDC	.750	.500	3.2	3.5
MP198a	1.25	N.C	-VDC	.750	.500	3.2	3.5
MP198b	.875	N.C	-VDC	.750	.500	3.2	3.5
MP198c	1.25	COM	-VDC	.750	.500	3.2	3.5
MP198d	1.25	COM	-VDC	.250	.100		2.25
MP198e	1.25	N.C	COM	.250	.100		2.25
MP198f	.875	N.C	COM	.750	.500	3.2	3.5
MP198g	1.25	N.C	COM	.750	.500	3.2	3.5
MP198h	1.56	N.C	COM	.750	.500	3.2	3.5
MP198j	1.56	COM	-VDC	.750	.500	3.2	3.5

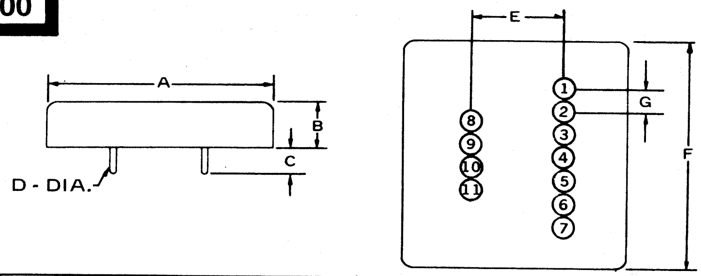
NOTES:
1. PINS .040 MAX. 21g MIN.
2. TWO MOUNTING INSERTS
   * 4-40 x .10 dp MIN.

MP199



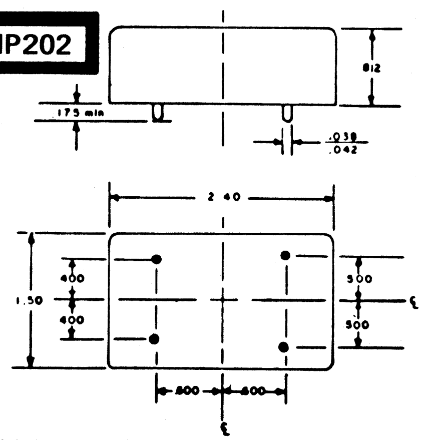
	A	B	C	D	REMARKS
MP199	1.50	.500	1.50	.200 TYP	
MP199a	1.12	.500	1.12	.200 TYP	
MP199b	1.50	.400	1.50	.200 TYP	
MP199c	2.70 MAX	.550 MAX	1.50 MAX	.250 MIN	
MP199d	1.12	.040	1.12	.200 MIN	
MP199e	1.00	.500	1.00	.200	
MP199f	1.12	1.12	.562	.200	
MP199g	1.50	.625	1.125	.200 TYP	
MP199h	1.12	.400 MAX	1.12	.200 MIN	
MP199j	3.050	.640	1.70	.200 / .250	
MP199k	1.00	.400	1.00	.200 TYP	
MP199m	1.140 MAX	.590 MAX	1.140 MAX	.200 MIN	
MP199n	1.140 MAX	.590 MAX	1.140 MAX	.200 MIN	common Pin Not Present
MP199p	1.140 MAX	.410 MAX	1.140 MAX	.200 MIN	
MP199q	1.020 MAX	.500 MAX	1.020 MAX	.200 MIN	

MP200

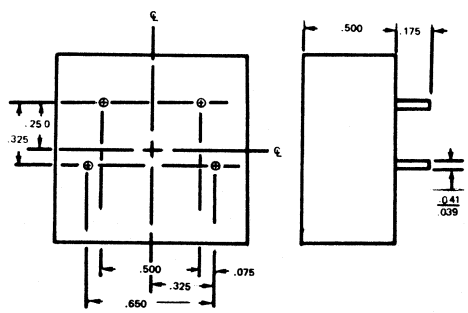


	A	B	C	D	E	F	G	PIN NO 1	2	3	4	5	6	7	8	9	10	11
MP200	2.00	.625 MAX	.150 / .200	.040		2.00		18	COM	-18	OUT	TRIM	REF	SENSE	RG	-1N	+1N	RG2
MP200a	2.02 MAX	.410 MAX	.200 MIN	.040	.800	2.02 MAX	.200	15	COM	-15	OUT	EOS TRIM	REF	SENSE	RG1	-1N	+1N	RG2
MP200b	1.50	.375	.200	.040	.800	1.50	.200	+VCC	COM	-VCC	OUT	ZERO	REF	SENSE	RG	-IN	+IN	RG

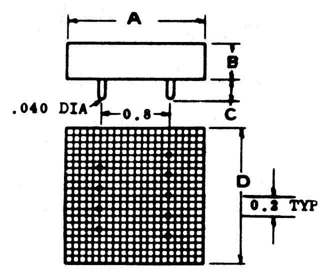
MP202



MP203



MP204

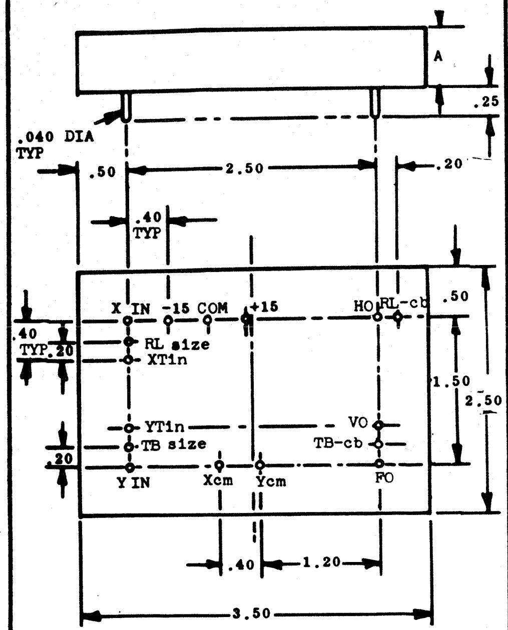


	A	B	C	D	NOTES
MP204	1.75	.400	.220 MAX	1.75	NONE
MP204a	1.50	.600	.200 MIN	1.50	CHAMFERED EDGES
MP204b	2.00	.600	.150	2.00	
MP204c	1.12	.400		1.12	NONE
MP204d	2.50	.525		3.50	NONE
MP204e	1.50	.400	.200 MIN		NONE

14. OUTLINE DRAWINGS

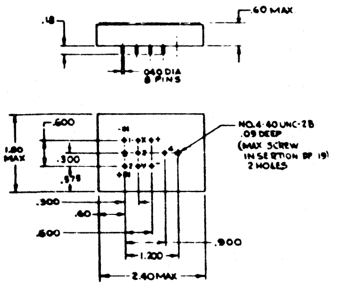
IN DRAWING NUMBER SEQUENCE

MP206

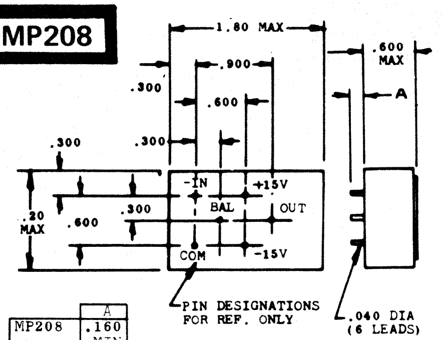


	A
MP206	1.000
MP206a	.625
MP206b	.870

MP207

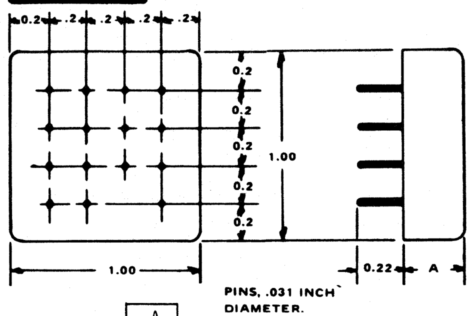


MP208



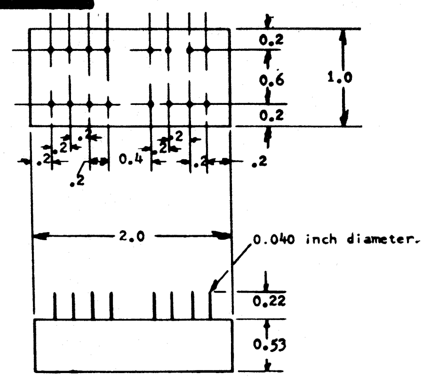
	A
MP208	.160 MIN
MP208a	.180 MIN
MP208b	.200 .250

MP209

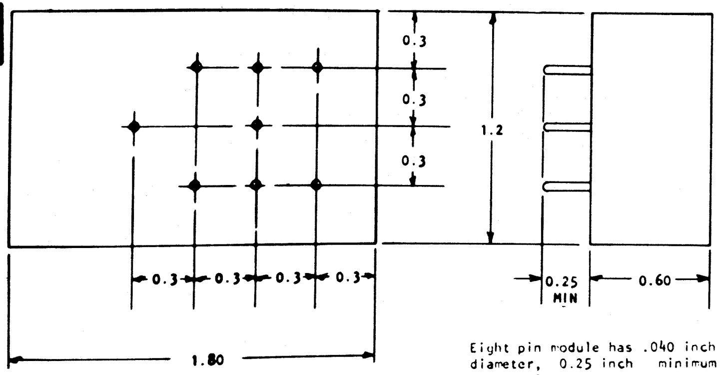


	A
MP209	.310
MP209a	.500

MP210

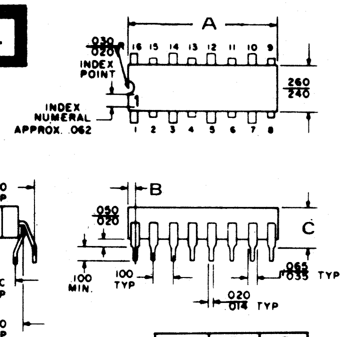


MP213



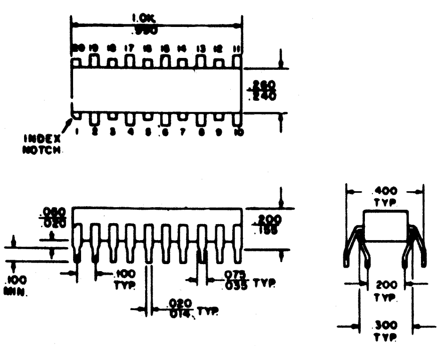
Eight pin module has .040 inch diameter, 0.25 inch minimum length pins.

MP214

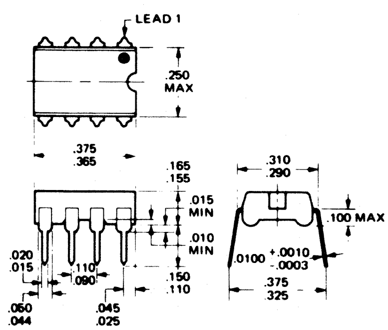


	A	B	C
MP214	.745 .785	.015 .060	.155 .200
MP214a	.870 MAX	.060 .090	.145 .155

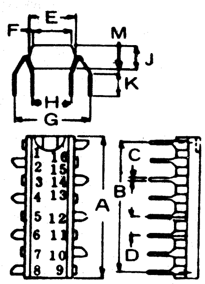
MP215



MP216

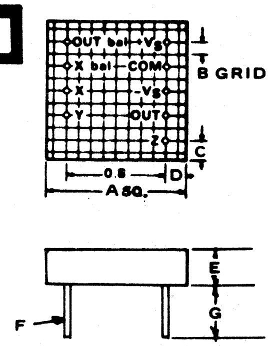


MP217



	A	B	C	D	E	F	G	H	J	K	M
MP217	.787 MAX	.680	.015	.100	.255 MAX	.210	.400	.200	.129	.125	.019
MP217a	.779/.787	.700	.017	.100			.391/.405	.191/.206	.161 MAX	.110 MIN	
MP217b	.745/.785		.017/.021	.098/.102	.300	.243/.263	.400	.200		.124/.140	.075

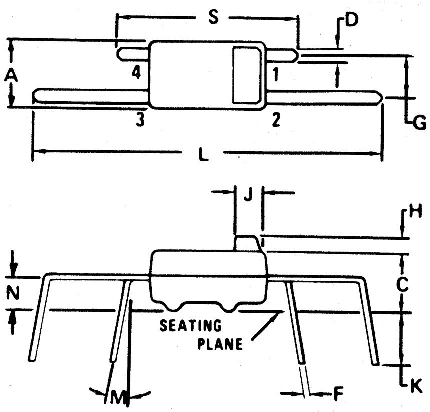
MP222



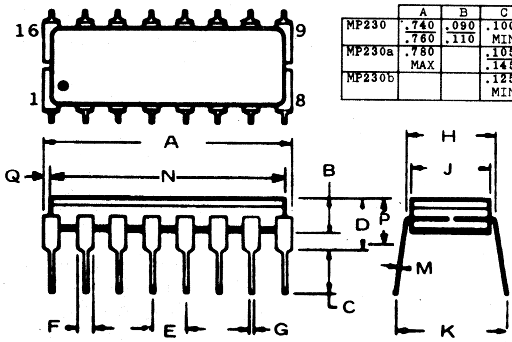
	A	B	C	D	E	F	G
MP222	1.12	.100	.160	.160	.400	.040/.042	.200/.250
MP222a	1.00	.200	.100	.100	.375	.039/.041	.220 MIN

MP223

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	3.30	3.81	0.130	0.150
C	3.43	3.94	0.135	0.155
D	0.64	0.89	0.025	0.035
F	0.20	0.30	0.008	0.012
G	1.88	2.18	0.074	0.086
H	0.64	0.89	0.025	0.035
J	1.50	1.75	0.059	0.069
K	2.92	3.18	0.115	0.125
L	15.75	16.76	0.620	0.660
M	–	10⁰	–	10⁰
N	1.78	2.03	0.070	0.080
S	8.64	9.65	0.340	0.380

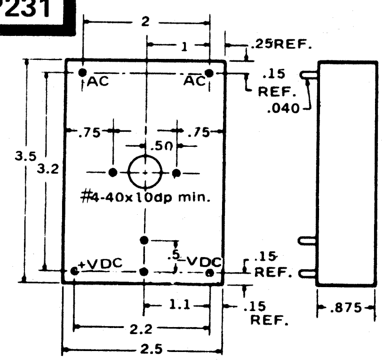


MP230

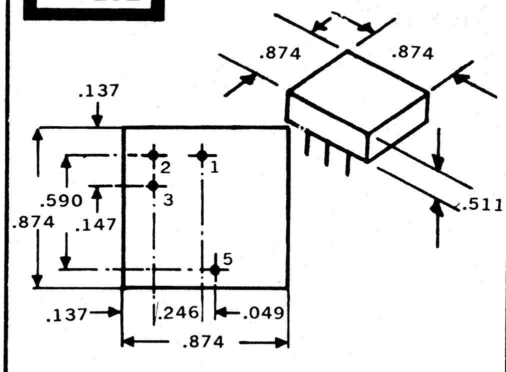


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
MP230	.740/.760	.090/.110	.100 MIN	.200 MAX	.090/.110	.055	.019	.290/.310	.235/.265	.375 MAX	.009/.011			
MP230a	.780 MAX		.105/.145	.180 MAX	.090/.110		.015/.019	.320 MAX	.265 MAX	.310/.350	.010			
MP230b			.125 MIN		.090/.110	.037/.050	.015/.019	.310 MAX	.280 MAX	.310/.350	.008/.012	.730 MAX	.165 MAX	.010/.030

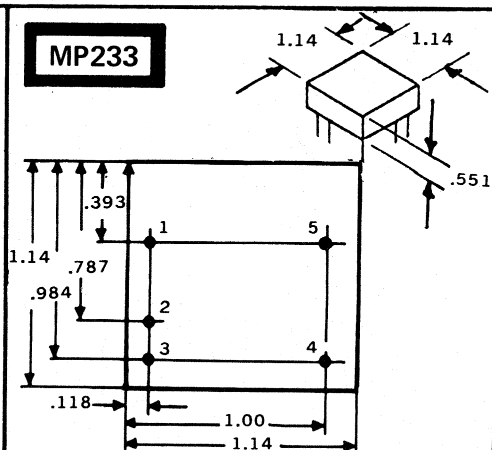
MP231



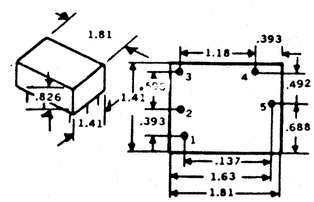
MP232



MP233



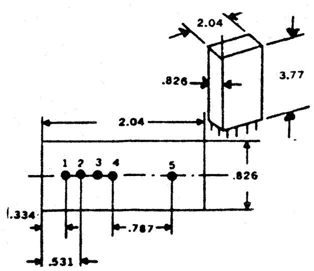
MP234



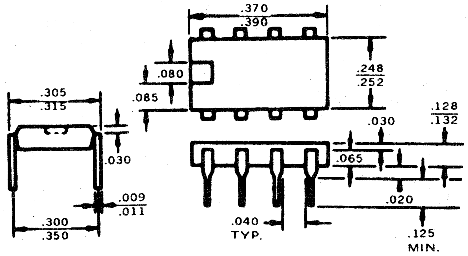
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

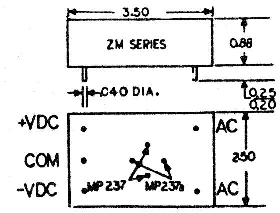
MP235



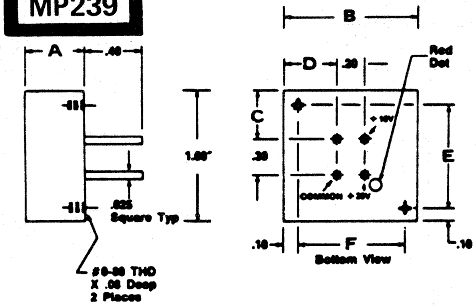
MP236



MP237

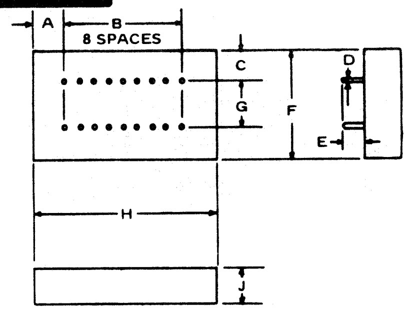


MP239



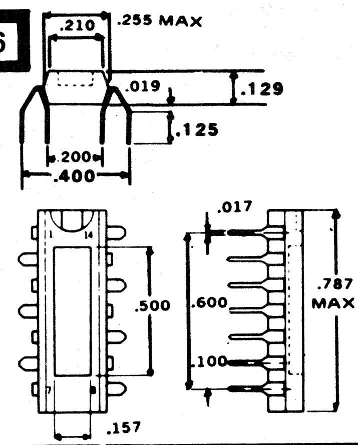
	A	B	C	D	E	F
MP239	.45	1.00	.35	.40	.800	.800
MP239a	.40	1.50	.60	.65	1.30	1.30

MP241

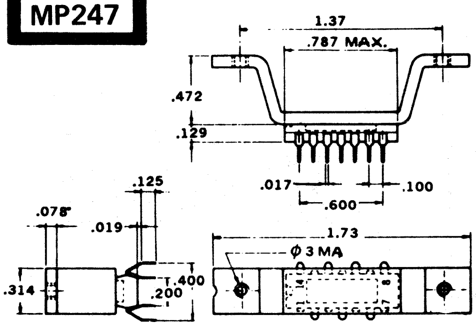


	A	B	C	D	E	F	G	H	J
MP241	.450	.200	.450	.040	.250	1.500	.600	2.500	.500
MP241a	.200/.510	.200/.510	.100		.250 MIN	2.000	1.800	2.00	.400

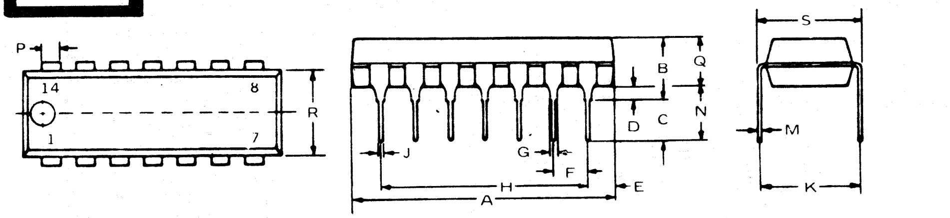
MP246



MP247

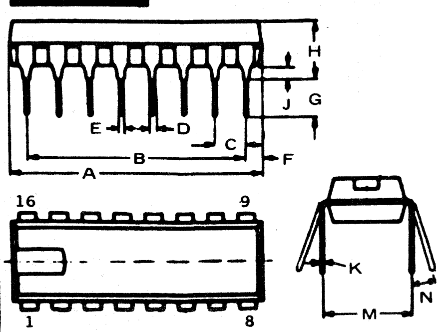


MP250



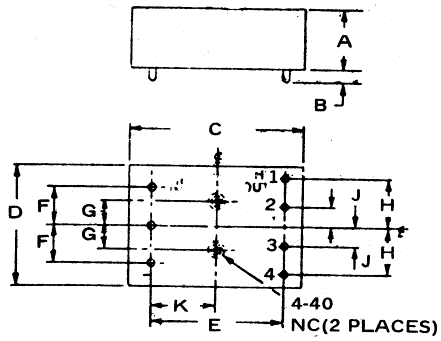
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	REMARKS
MP250	.783 MAX	.196 MAX	.125	.019 MIN	.074	.090/.106	.033 MIN	.586/.610	.018	.300	.010						
MP250a	.798 MAX		.118 MIN			.100			.016/.023	.299/.354	.009/.014	.129 MIN	.059/.071	.141			
MP250b	.735/.765	.200 MAX	.100 MIN	.020 MIN		.090/.110			.015/.023		.008/.014		.035/.065		.240/.260	.290/.310	INDEX AREA
MP250c	.755	.197	.100	.020		.100		.600	.018	.300	.010	.127	.050	.129	.250		.078R NOTCH

MP252



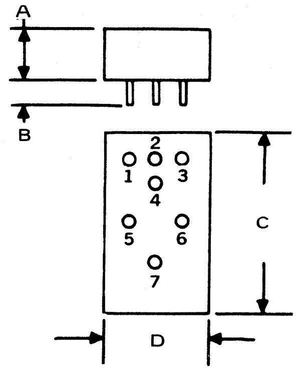
	A	B	C	D	E	F	G	H	J	K	M	N
MP252	.881 MAX	.690/.710	.090/.106	.033 MIN	.018	.031 MIN	.125	.196 MAX	.019 MIN	.010	.300	NA
MP252a	.744/.858		.100		.011/.020		.185 MAX	.185 MAX	.012 MIN	.009/.012	.290/.375	NA
MP252b	.850		.098		.019		.145	.185 MAX	.035	.011	.350	NA
MP252c	.870 MAX	.700 TP	.100 TP	.033 MIN	.015/.021	.055/.095	.125 MIN	.200 MAX	.020 MIN	.008/.014	.300/.350	NA
MP252d	.779/.787	.700	.100		.017	.039/.047	.122/.161	.181 MAX	.019 MIN		.299/.322	NA
MP252e	.744/.860		.100		.015/.020		.125/.150	.185 MAX	.015 MIN	.007/.015	.290/.375	NA
MP252f	.740/.760		.090/.110	.025/.037	.016/.020		.100/.150	.200 MAX	.015 NOM	.009/.011	.375 NOM	NA
MP252g	.795 MAX		.090/.109		.015/.023		.118 MIN	.196 MAX	.019 MIN	.007/.011	.298/.301	NA
MP252h	.866 MAX		.100		.024 MAX		.122 MIN	.197 MAX	.032 MIN	.014 MAX	.300	0°/15°
MP252j	.860 MAX		.090/.110	.055 MAX	.020		.137/.153	.185		.012	.295/.324	NA
MP252k	.785/.883	.699	.099/.100	.069	.014/.019		.122/.153	.200 MAX	.020	.007/.011	.299	NA
MP252m	.779/.787		.100	.059 MAX	.017	.039/.047	.122/.141	.181 MAX	.019 MIN		.299/.322	NA
MP252n	.798 MAX	.700	.100		.016/.023	.049 MAX	.118 MIN	.197 MAX	.020 MIN	.009/.014	.299/.354	

MP253



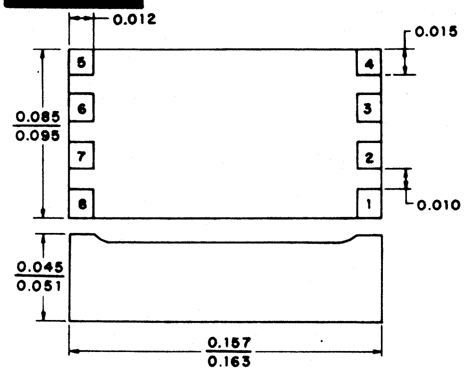
	A	B	C	D	E	F	G	H	J	K	REMARKS
MP253	1.27 MAX	.200 / .250	3.52 MAX	2.52 MAX	2.70	.800	.500	1.00	.400	1.33	
MP253a	1.25	.200 MIN	3.50	2.50	3.50	1.10	.500			1.60	OMIT PINS 2 and 3

MP254

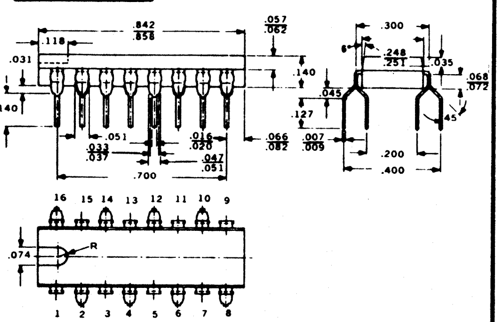


	A	B	C	D
MP254	.610 MAX	.200 / .250	1.82 MAX	1.22 MAX
MP254a	.600	.200 MIN	1.80	1.20

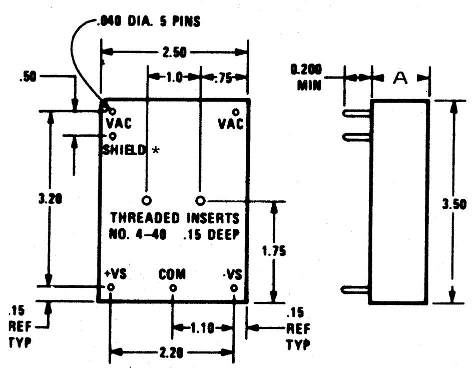
MP255



MP256

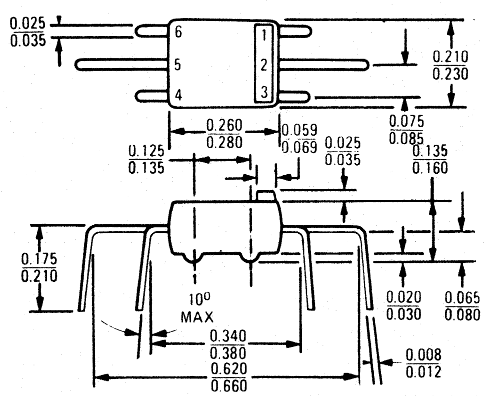


MP257

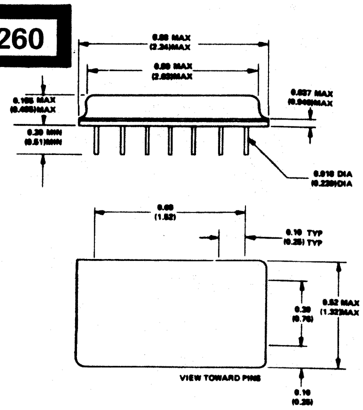


	A	*SHIELD
MP257	1.25	YES
MP257a	1.25	NO
MP257b	.875	NO

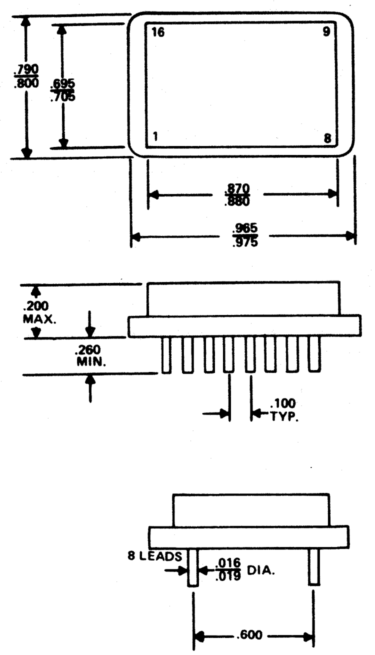
MP258



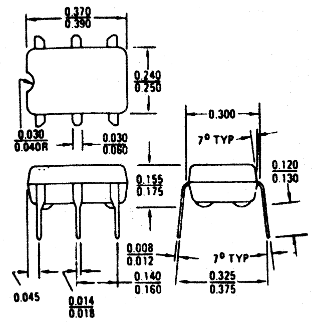
MP260



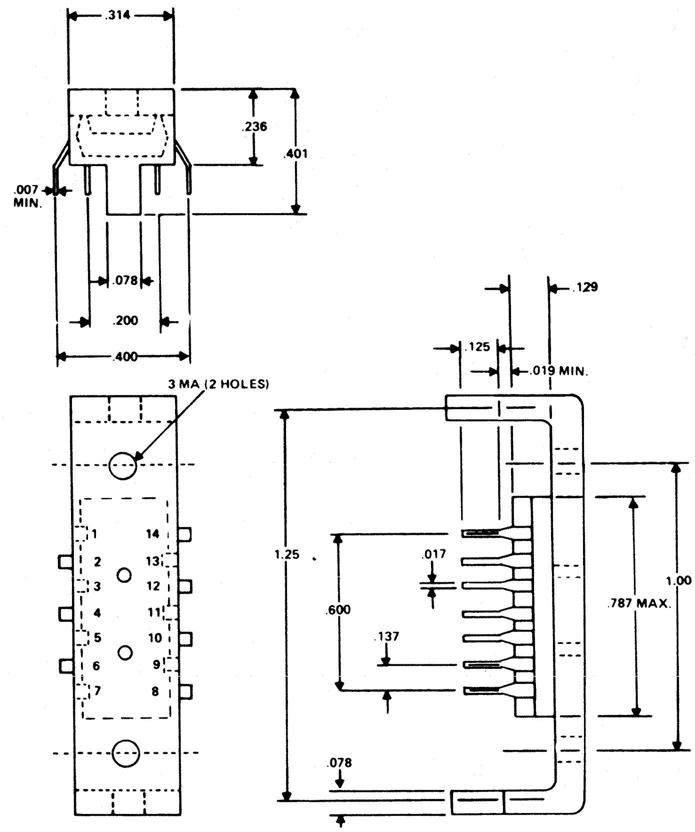
MP261



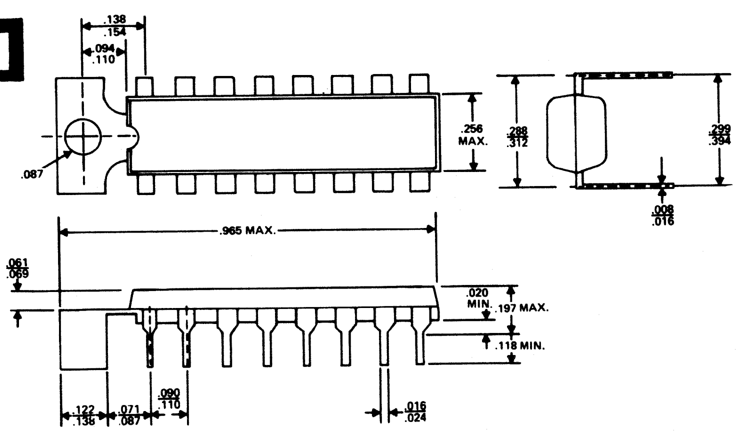
MP263



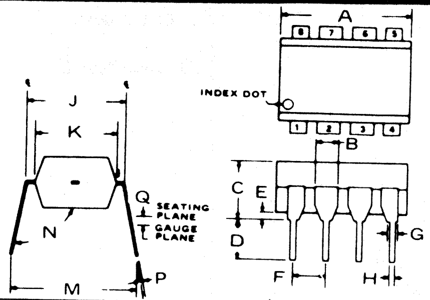
MP264



MP265

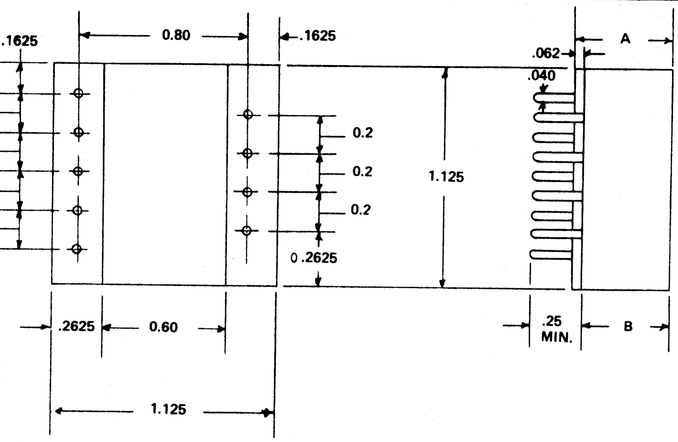


MP267



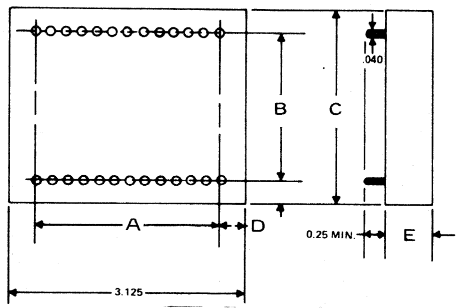
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	REMARKS
MP267	.390/.410	.070 MAX	.200 MAX	.125 MIN	.020 MIN	.100	.033 MIN	.015/.021	.300	.240/.260	.300/.350	.90°/.105°	.008/.014	.000/.030	INDEX DOT
MP267a	.374 MAX					.100			.314 MAX	.248 MAX	.393 MAX				
MP267b	.374 MAX	.043	.199 MAX	.110 MIN	.019 MIN	.099		.019		.251	.299	0°/15°	.009		INDEX NOTCH
MP267c	.390/.410		.200 MAX	.125 MIN		.100		.015/.021		.240/.260					INDEX DOT
MP267d	.400 MAX	.070 MAX	.200 MAX	.125 MIN	.020 MIN	.100	.033 MIN	.015/.021	.300 TYP	.240/.260			.008/.014	.000/.030	INDEX DOT

MP268



	A	B
MP268	.500	.437
MP268a	.625	.563

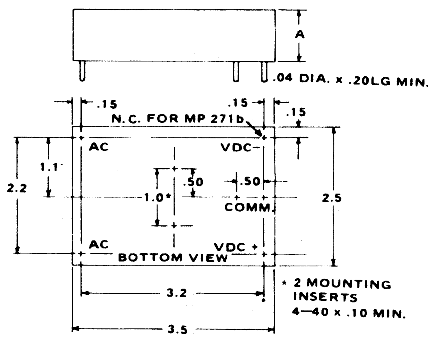
MP270



	A	B	C	D	E	NO.OF PINS
MP270	12 EQUAL SPACES OF .200 EACH	2.00	.3125	.3625	.600	26
MP270a	13 EQUAL SPACES OF .200 EACH	2.00	.3125	.3625	.600	28
MP270b	10 EQUAL SPACES OF .200 EACH	1.825	.400	.550	.625	22

MP271

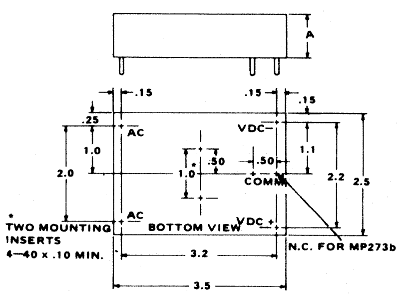
	A
MP271	.875
MP271a, b	1.25



* 2 MOUNTING INSERTS 4—40 x .10 MIN.

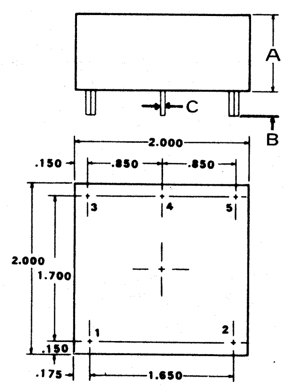
MP273

	A
MP273	.875
MP273a, b	1.25



* TWO MOUNTING INSERTS 4—40 x .10 MIN.

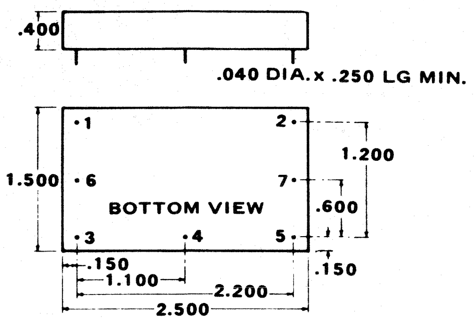
MP274



	A	B	C
MP274	.875	.250 MIN	.045 DIA
MP274a	.400	.200 MIN	.040 DIA

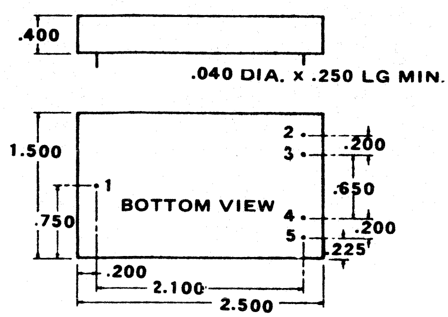
MP275

	PINS
MP275	OMIT PIN 6 and 7
MP275a	AS SHOWN

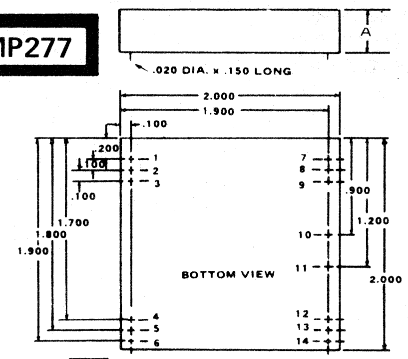


MP276

	PINS
MP276	OMIT PIN 3 and 4
MP276a	AS SHOWN



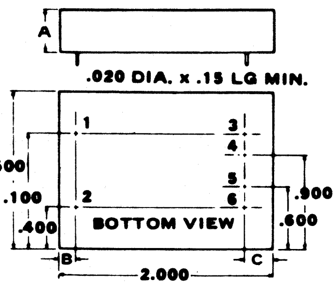
MP277



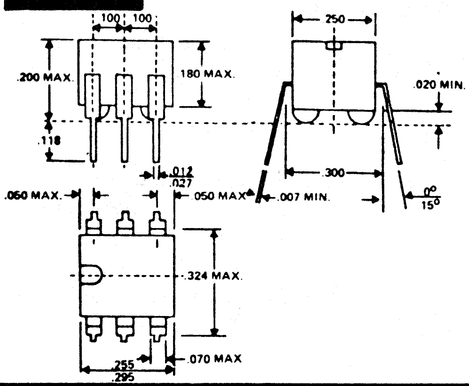
	A
MP277	.400
MP277a	.880

MP278

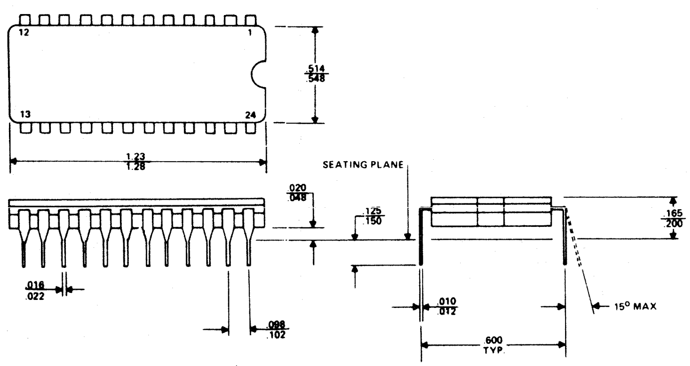
	A	B	C
MP278	.400	.150	.250
MP278a	.375	.200	.100



MP279

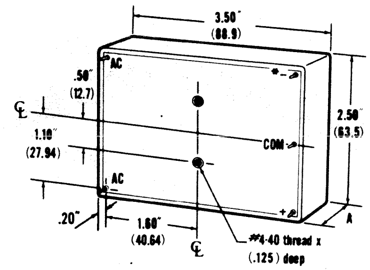


MP280



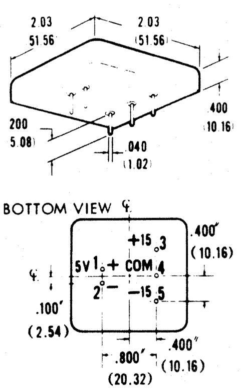
MP285

	A
MP285	.880
MP285a	1.25

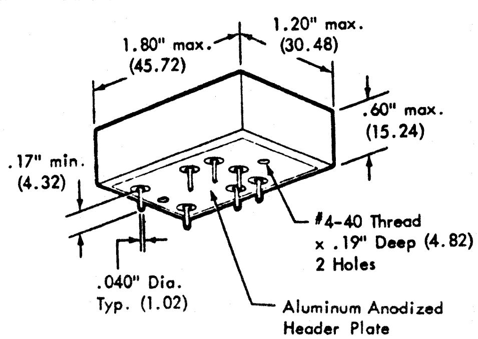


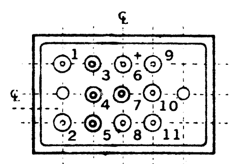
* Trim connection for Models 580, 581
No connection for Models 560, 561, 562.

MP286



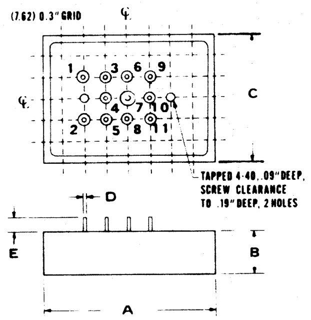
MP287





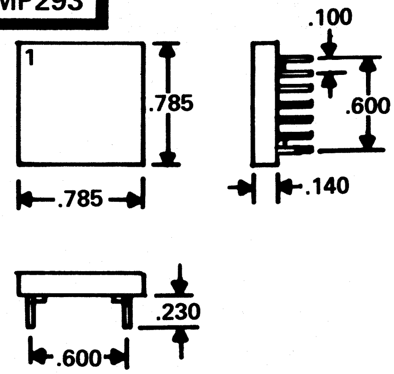
	REMARKS
MP287	PINS 3,4 and 5 OMITTED
MP287a	PINS 9 and 11 OMITTED
MP287b	PINS 4,9 and 11 OMITTED
MP287c	PINS 3,4,5,9 and 11 OMITTED
MP287d	AS SHOWN

MP290

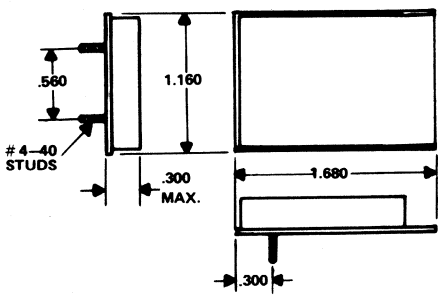


	A	B	C	D	E	REMARKS
MP290	2.40 MAX	.600 MAX	1.80 MAX	.040	.180	PIN 7 OMITTED
MP290a	2.40 MAX	.600 MAX	1.80 MAX	.040	.170 MIN	PINS 3,4,5,9 and 11 OMITTED
MP290b	2.40 MAX	.600 MAX	1.80 MAX	.040	.170 MIN	PINS 3,4 and 5 OMITTED
MP290c	2.40 MAX	.600 MAX	1.80 MAX	.040	.170 MIN	PINS 9,10 and 11 OMITTED
MP290d	2.40 MAX	.600 MAX	1.80 MAX	.040	.170 MIN	PINS 9 and 11 OMITTED
MP290e	2.60 MAX	.700 MAX	2.00 MAX	.040	.160 MIN	PINS 3,4 and 5 OMITTED
MP290f	2.40 MAX	.600 MAX	1.80 MAX	.040	.180	AS SHOWN
MP290g	2.60 MAX	.700 MAX	2.00 MAX	.040	.160 MIN	PINS 4 and 7 OMITTED
MP290h	2.40 MAX	.600 MAX	1.80 MAX	.040	.180	PINS 4,7,9 and 11 OMITTED
MP290j	2.40	.610	1.80	.040	.200 MIN	PINS 7,11 OMITTED

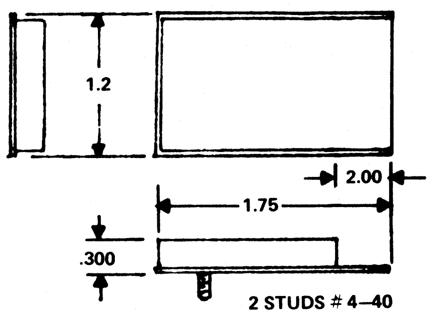
MP293



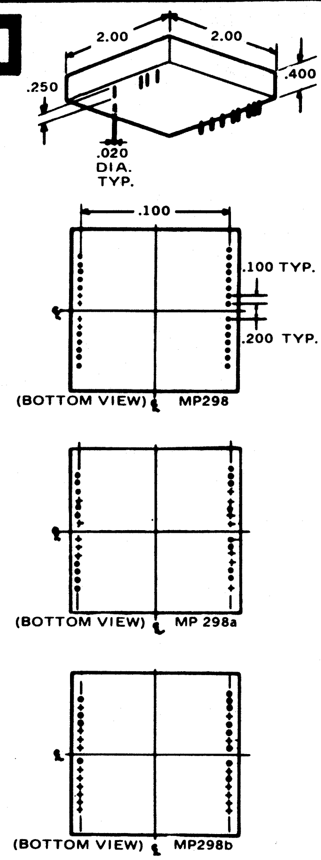
MP294



MP295

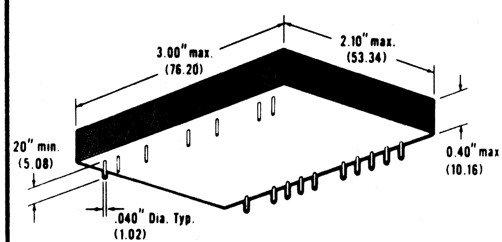


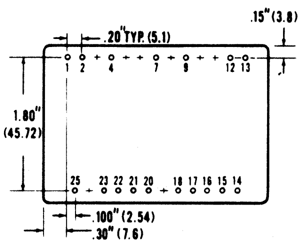
MP298



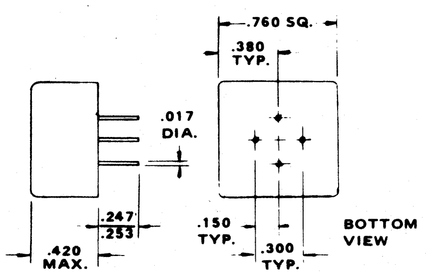
MP298c — HAS ALL PINS CONNECTED.

MP300

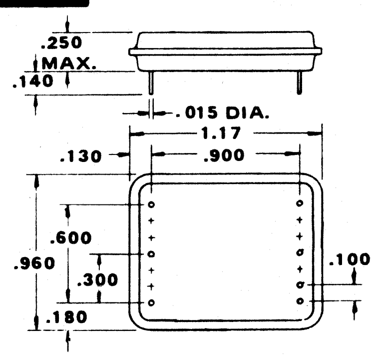




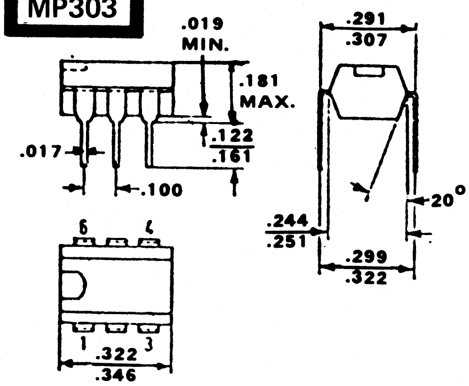
MP301



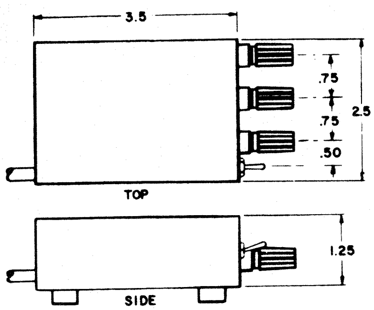
MP302



MP303

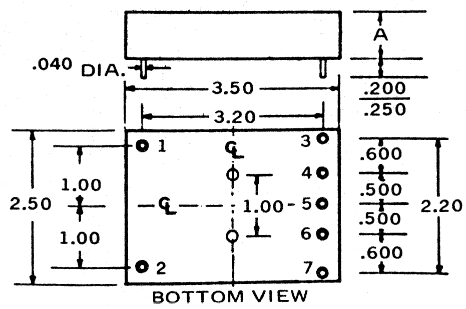


MP304

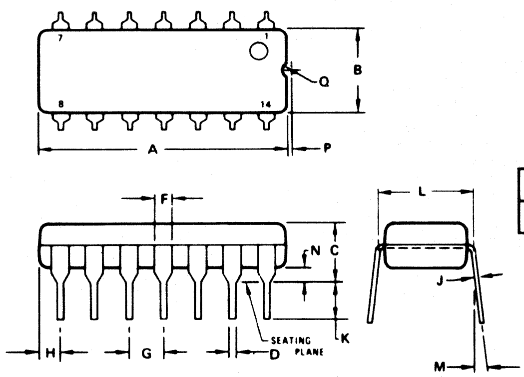


MP305

	A	REMARKS
MP305	.580	
MP305a	1.25	
MP305b	.675	PINS 4,7 OMITTED
MP305c	1.25	PINS 4,7 OMITTED



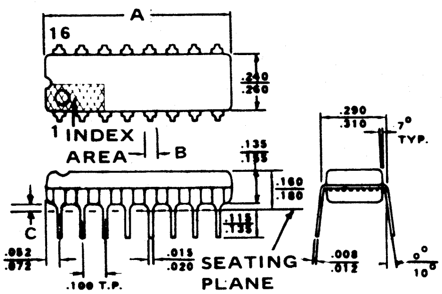
MP307



	A	B	C	D	F	G	H	J	K	L	M	N	P	Q
MP307	.715 / .740	.240 / .260	.160 / .180	.015 / .020	.040 / .060	.100	.052 / .072	.008 / .012	.115 / .135	.290 / .310	10° MAX	.020 / .040	.005 / .015	.020 / .030
MP307a	.710 / .770	.240 / .260	.200 MAX	.015 / .021	.040 / .070	.100	.052 / .095	.008 / .015	.115 MIN	.300	0° / 15°	.020 MIN		

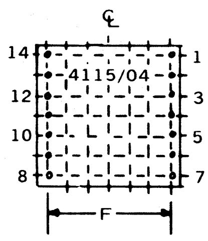
MP308

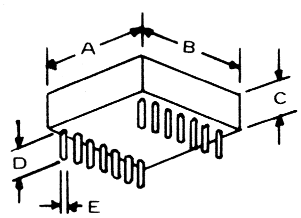
	A	B	C
MP308	.815 / .835	.045 / .055	
MP308a	.815 / .840	.040 / .060	.020 / .040



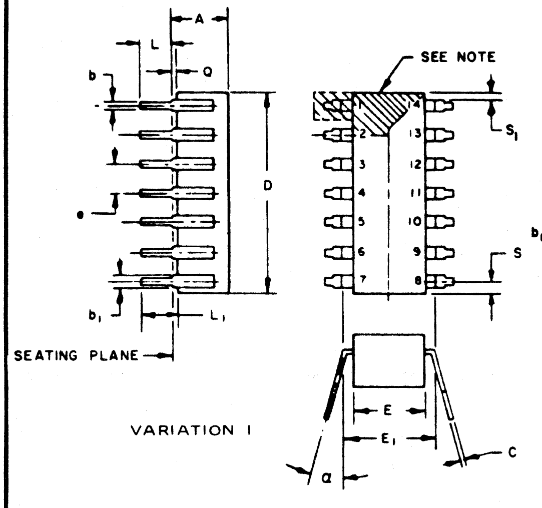
MP310

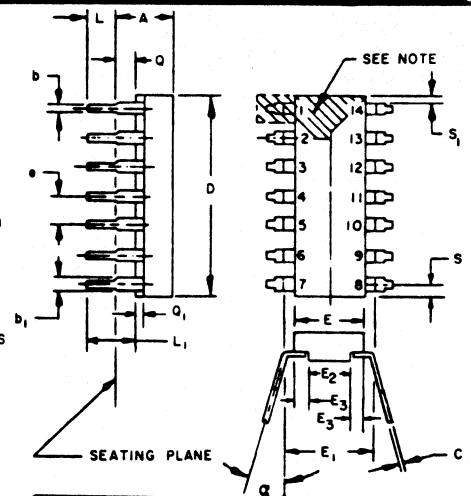
	A	B	C	D	E	F	REMARKS
MP310	.760	.760	.250	.180	.020	.600	AS SHOWN
MP310a	.460	.760	.250	.150	.020	.300	OMIT PINS 2,3,6 and 7



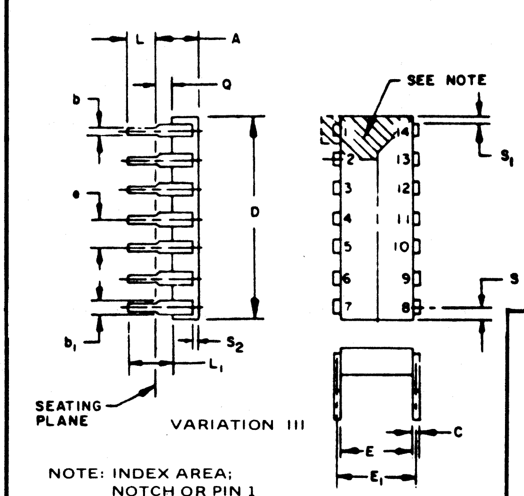


MP315



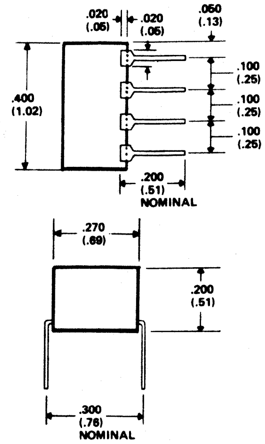


SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX	NOTES
A		.200		5.08	
b	.014	.023	.36	.58	8
b_1	.030	.070	.76	1.78	2, 8
c	.008	.015	.20	.38	8
D		.796		20.22	4
E	.220	.310	5.59	7.87	4
E_1	.290	.320	7.37	8.13	7
E_2	.100		2.54		
E_3	.050		1.27		
e	.100 BSC		2.54 BSC		5, 9
L	.125	.200	3.18	5.08	
L_1	.150		3.81		
Q	.015	.060	.38	1.52	3
Q_1	.020		.51		
S		.098		2.49	6
S_1	.005		.13		6
S_2	.005		.13		8
α	0°	15°	0°	15°	

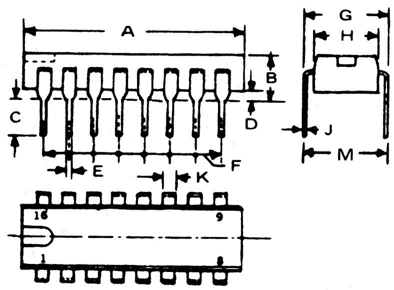


NOTE: INDEX AREA; NOTCH OR PIN 1 IDENTIFICATION

MP316

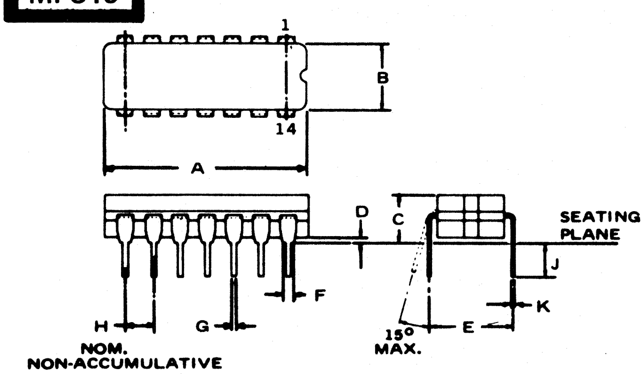


MP317



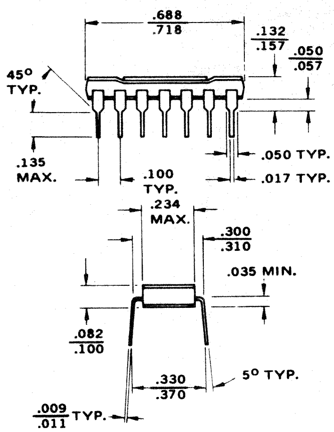
	A	B	C	D	E	F	G	H	J	K	M
MP317	.846	.185 MAX	.145	.035 MIN	.020 MAX	.090 / .110	.324 MAX	.248	.011 MAX	.051	
MP317a	.779 / .787	.181 MAX	.122 / .141	.039	.017	.090 / .109	.299 / .322	.244 / .251	.009		
MP317b	.750	.150 MIN	.120 MIN	.020 MIN	.018 TYP	.100 TYP	.380	.250	.010	.080 TYP	.320 / .400
MP317c	.870 MAX	.200 MAX	.125 MAX		.015 / .021	.100		.240 / .260			

MP319



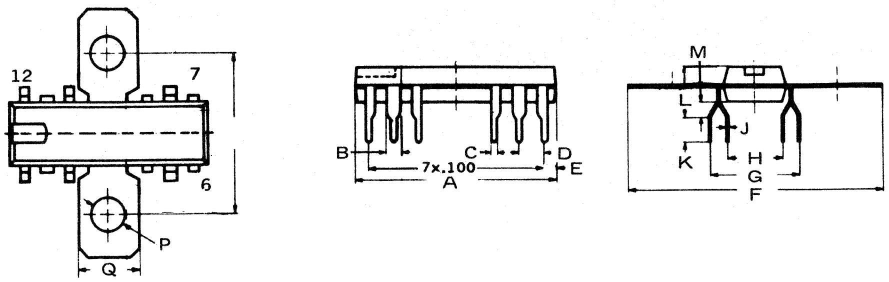
	A	B	C	D	E	F	G	H	J	K
MP319	.745 / .785	.243 / .263	.145 / .188	.020 / .040	.300	.030 / .034	.017 / .021	.099 / .101	.115 / .135	.010 / .012
MP319a	.787 MAX	.275 MAX	.220 MAX	.020 MIN	.329		.017	.100	.129	.009
MP319b	.785 MAX	.280 MAX	.200 MAX	.020 / .070	.360 / .410	.055 / .065	.016 / .020	.090 / .110	.125 MIN	.008 / .012
MP319c	.755 / .785	.245 / .286	.160 / .194	.015 / .025	.375 NOM	.058 MIN	.018 TYP	.100 TYP	.115 / .135	.009 / .011
MP319d	.787 MAX	.259 MAX	.200 MAX	.020 MIN	.300	.031 MAX	.023 MAX	.100	.118 MIN	.014 MAX
MP319e	.765	.250			.300		.015 MIN	.100 TYP	.136	
MP319f	.740 / .770	.240 / .260	.170 / .200	.025	.375	.060 TYP	.018 TYP	.090 / .110	.125 MIN	.009 / .011
MP319g	.660 / .785	.220 / .280	.200 MAX	.020 / .030	.300	.030 / .070	.015 / .023	.100	.100 MIN	.008 / .015
MP319h	.767	.250	.118	.019	.295	.024	.018	.100	.130	.009
MP319j	.750 / .785	.265 / .291	.200 MAX	.015 / .060	.308 / .314	.045 / .065	.016 / .020	.100 TYP	.125 / .200	.009 / .011
MP319k	.755 / .785	.302 MAX	.165 / .215	.020 / .040	.300 / .395		.015 / .023	.090 / .110	.125 / .165	.008 / .014

MP322

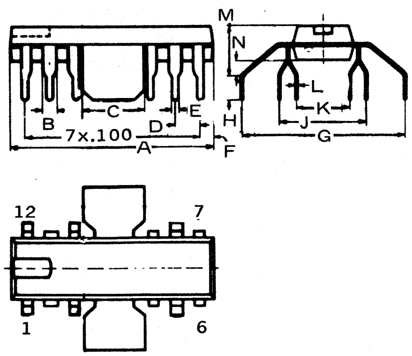


MP324

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
MP324	.771	.052	.025	.100	.035	1.00	.400	.200	.015	.098	.224	.062	.649	.141	.246
MP324a	.770 MAX	.050 TYP	.020 TYP	.100 TYP		1.00 MAX	.400	.200	.014	.100	.220	.060	.650	.141	.246

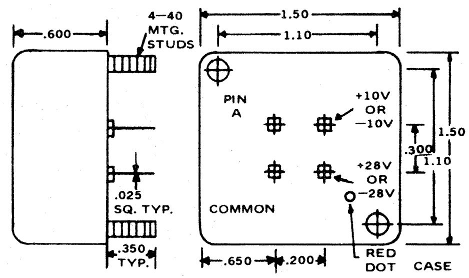


MP325

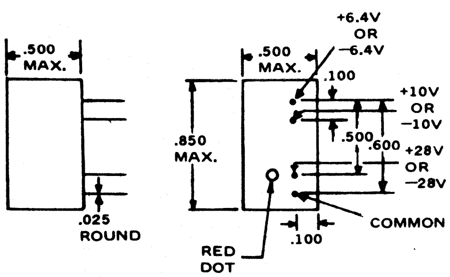


	A	B	C	D	E	F	G	H	J	K	L	M	N
MP325	.771	.052	.246	.100	.025	.035	.677	.098	.400	.200	.015	.224	.062
MP325a	.770 MAX	.050 TYP	.246	.100 TYP	.020 TYP		.670	.100	.400	.200	.014	.220	.060

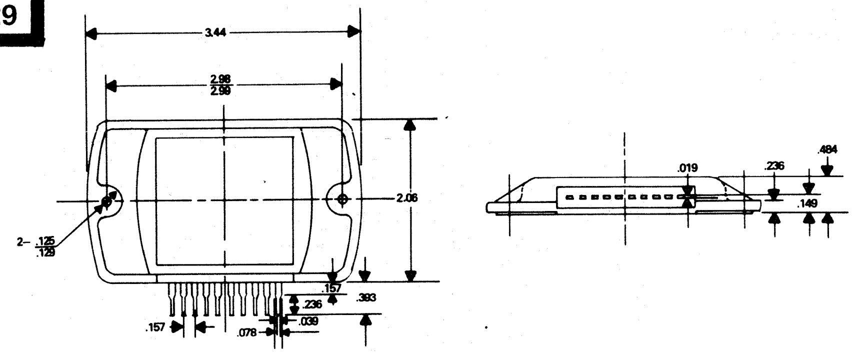
MP326



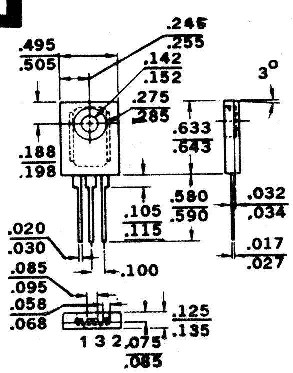
MP327



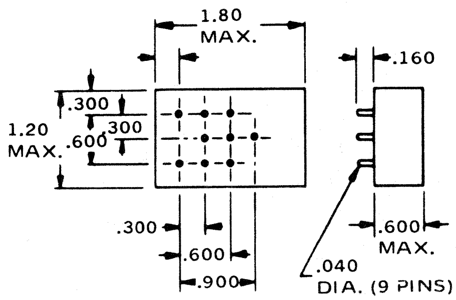
MP329



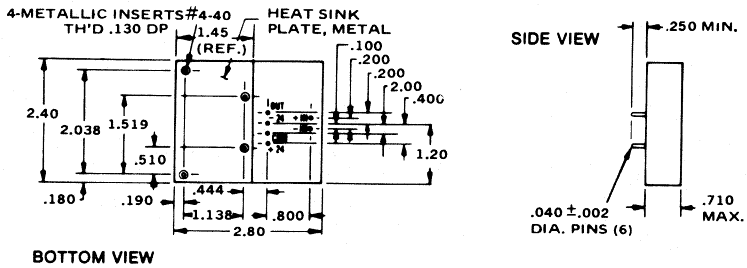
MP331



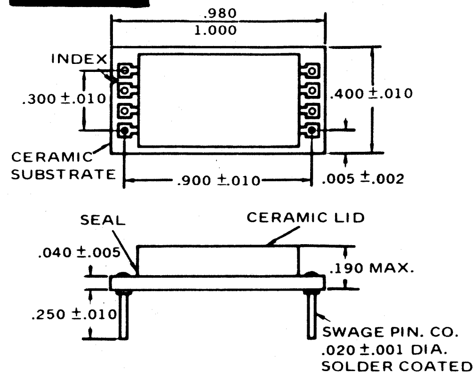
MP332



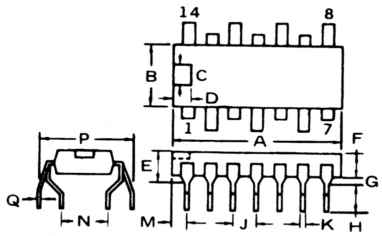
MP333



MP334

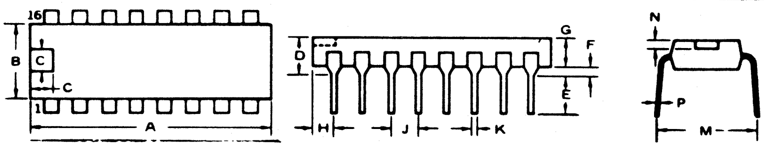


MP336



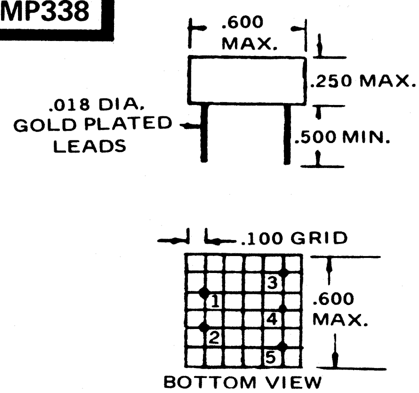
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
MP336	.760 MAX	.260 MAX	.080	.120	.175 MAX	.140 MIN	.020 MIN	.100 MIN	.100 TYP	.018 TYP	.075 TYP	.200 TYP	.400 TYP	.010 TYP
MP336a	.770 MAX	.245 / .255				.125 / .135	.020 MIN	.100 MIN	.100 TYP	.015 / .021	.060 / .090	.200 TYP	.400 TYP	.009 / .015

MP337

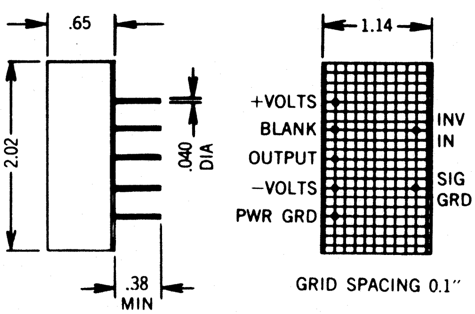


	A	B	C	D	E	F	G	H	J	K	M	N	P
MP337	.890 MAX	.260 MAX	.080	.175 MAX	.125 MIN	.020 MIN	.140 MAX	.030	.090 / .110	.065 / .085	.310 / .350	.030	.008 / .012
MP337a	.779 / .795	.244 / .259		.181 MAX	.122 / .161	.019 MIN	.161	.039 / .047	.100	.017	.299 / .322		.009
MP337b	.840 .852	.240 .251		.196 MAX	.125 .150	.013			.100	.013 .019	.290 .375		.007 .014
MP337c	.870 MAX	.245 / .255	.080	.145 / .155	.125 MIN	.020 MIN	.125 / .135	.060 / .090	.100 TYP	.015 / .021	.310 / .350	.030 MAX	.009 / .015
MP337d	.860 MAX	.244 / .255		.135 MAX	.105 / .154	.035 MIN	.150 MAX	.087 MAX	.100	.018	.299 / .374		.010
MP337e	.850 MAX	.248 MAX		.185 MAX	.145	.035 MIN	.149		.100	.020 MAX	.324 MAX		.011
MP337f	.860			.197	.138 / .154	.050					.299 / .374		.010
MP337g	.860			.157	.138 / .154	.035					.299 / .374		.010
MP337h	.860			.200	.121 / .154	.035					.299 / .374		.010
MP337i	.860			.200	.105 / .154	.035					.299 / .374		.010

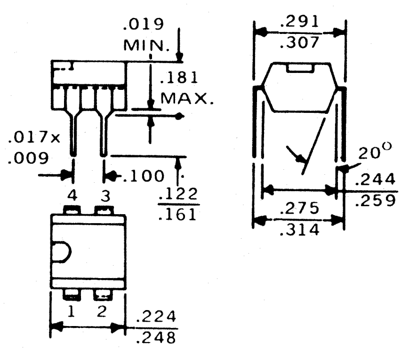
MP338



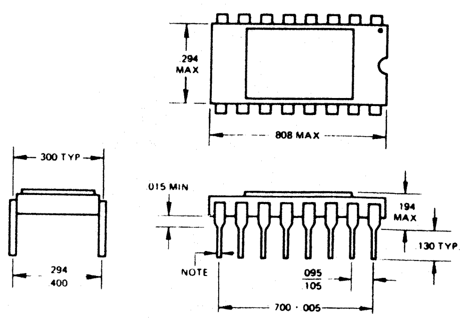
MP339



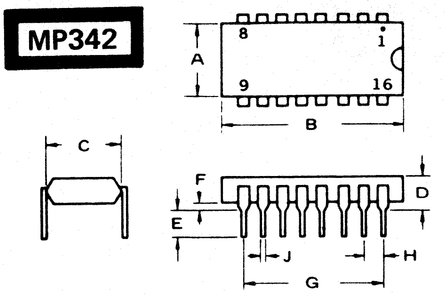
MP340



MP341

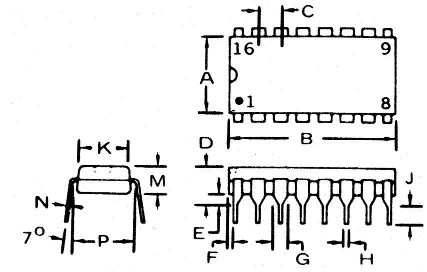


MP342



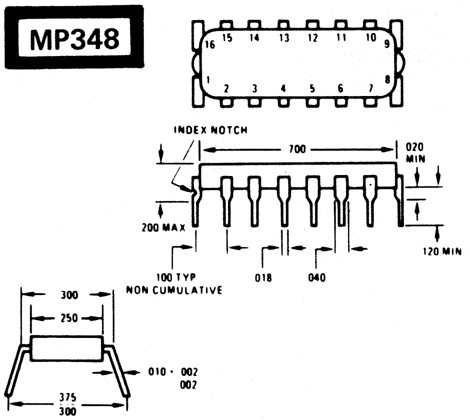
	A	B	C	D	E	F	G	H	J
MP342	.260 MAX	.870 MAX	.300	.200 MAX	.130	.020 MIN	.695 / .705	.095 / .105	
MP342a	.244 / .259	.905 MAX	.291 / .307	.157 MAX	.122 / .161	.019 MIN	.799	.100	.009 / .017

MP343

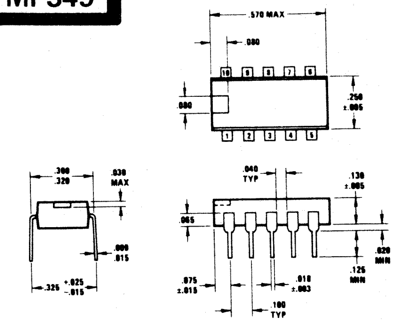


	A	B	C	D	E	F	G	H	J	K	M	N	P
MP343	.250	.765 MAX	.092 / .108	.180 MAX	.040	.020	.060	.020	.130	.235	.130	.010	.300
MP343a	.240 / .270	.740 / .780		.170 / .200		.015 / .035	.057 / .063	.015 / .020	.115 / .135	.240 / .270	.135 / .165	.008 / .012	.290 / .325
MP343b	.255 MAX	.795 MAX	.090 / .109	.196 MAX	.019 MIN			.015 / .023	.118 MIN	.255 MAX	.177 MIN	.007 / .013	.299 / .393

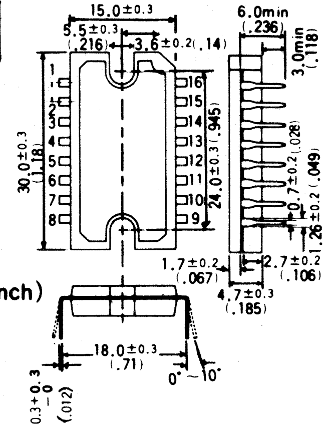
MP348



MP349

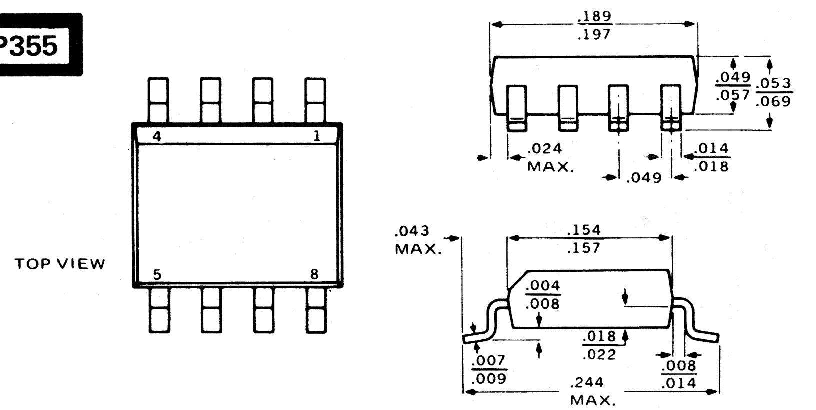


MP353

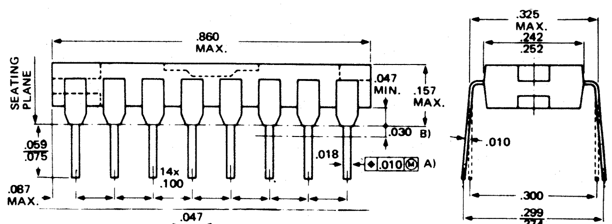


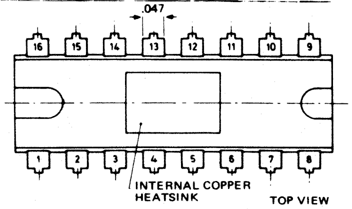
Unit : mm (inch)

MP355



MP357

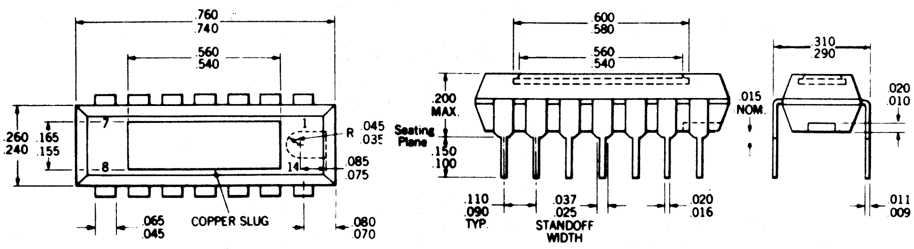




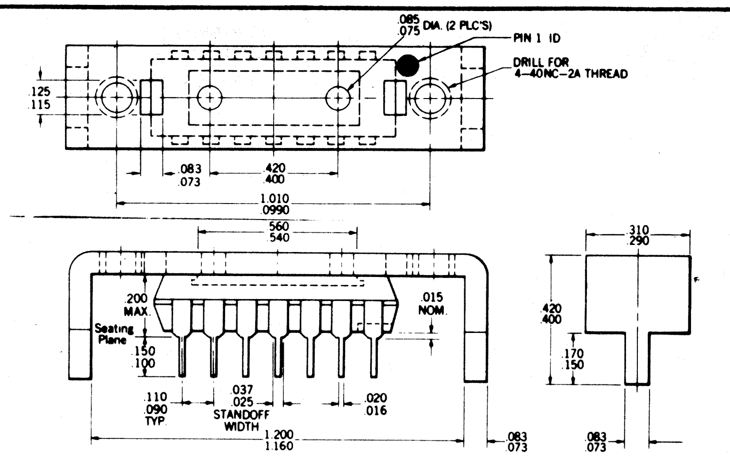
A) CENTRE-LINES OF ALL LEADS ARE WITHIN ±.005 IN. OF THE NOMINAL POSITIONS SHOWN; IN THE WORST CASE, THE SPACING BETWEEN ANY TWO LEADS MAY DEVIATE FROM NOMINAL BY ±.010 IN.

B) LEAD SPACING TOLERANCES APPLY FROM SEATING PLANE TO THE LINE INDICATED.

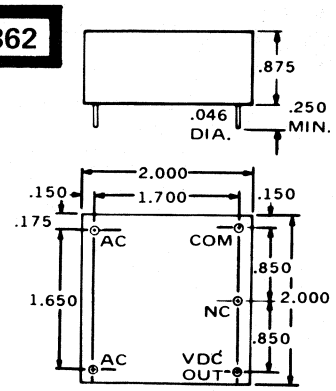
MP359



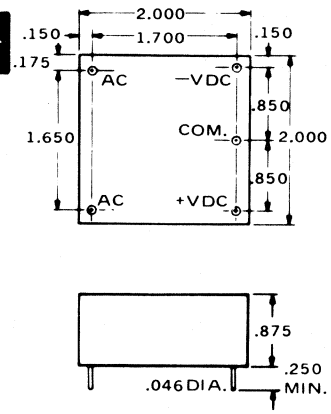
MP360



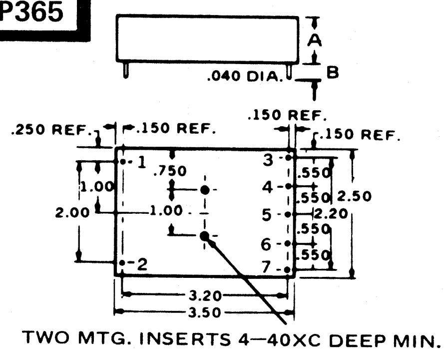
MP362



MP363

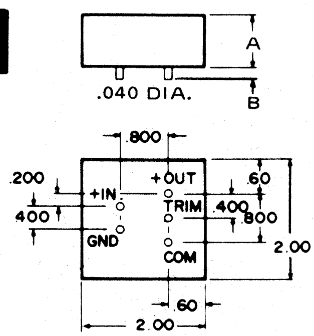


MP365



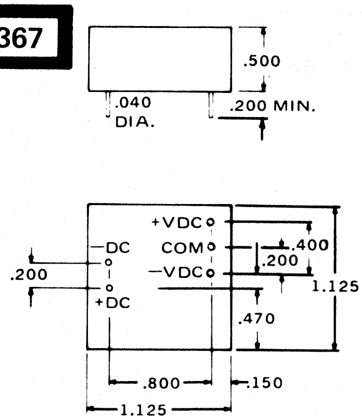
	A	B	C	REMARKS
MP365	.875	.200 MIN	.100	
MP365a	1.25	.200 MIN	.100	
MP365b	1.56	.200 MIN	.100	
MP365c	.875	.250 MIN	.150	PINS 4,6 OMITTED
MP365d	1.25	.250 MIN	.150	PINS 4,6 OMITTED
MP365e	1.56	.250 MIN	.150	PINS 4,6 OMITTED

MP366

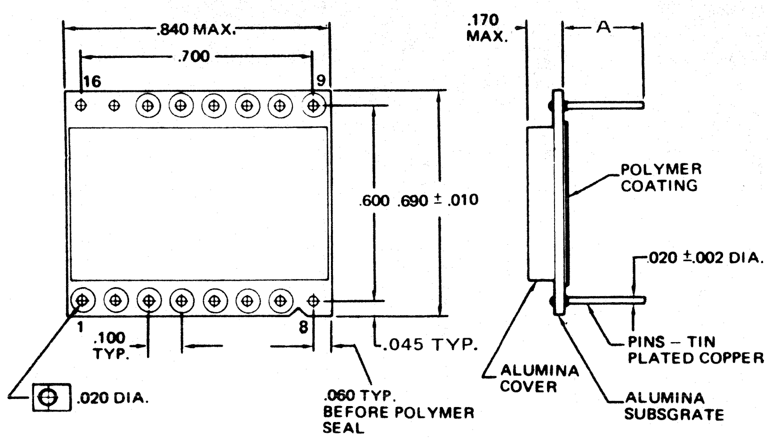


	A	B
MP366	.875	.200 MIN
MP366a	.375	.250 MIN

MP367

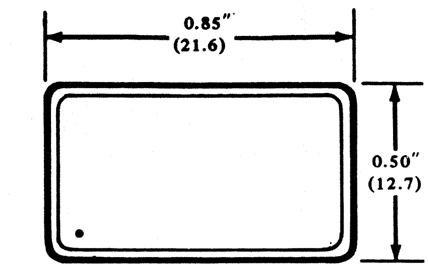


MP369



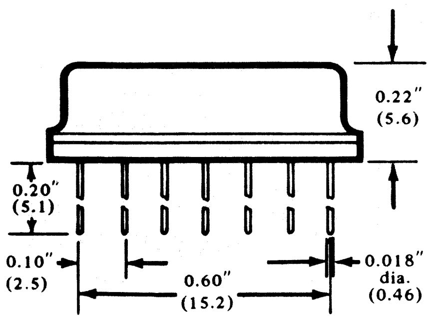
	A	PINS
MP369	.145 MIN	1,2,3,4,5,6,7,9,10,11,12,13,14
MP369a	.145 MIN	1,6,8,9,11,16
MP369b	.210 .270	1,6,8,9,11,16

MP371



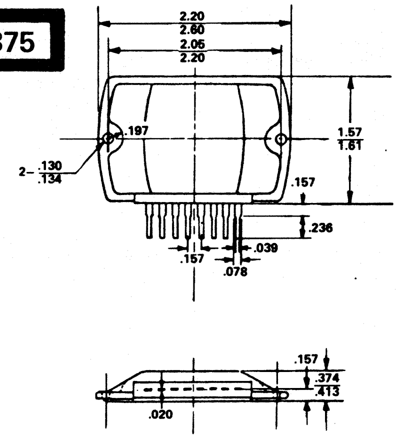
(TOP VIEW)

Dimensions in millimeters are shown in parentheses.

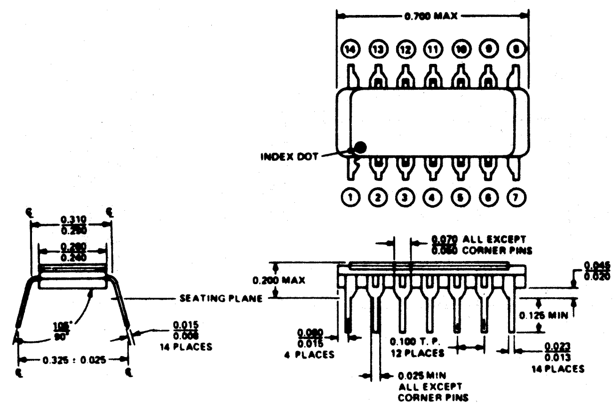


(SIDE VIEW)

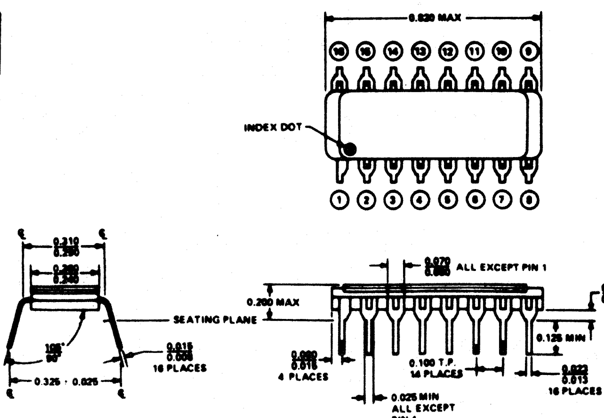
MP375



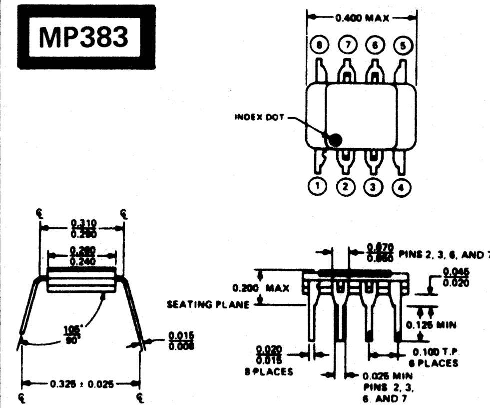
MP381



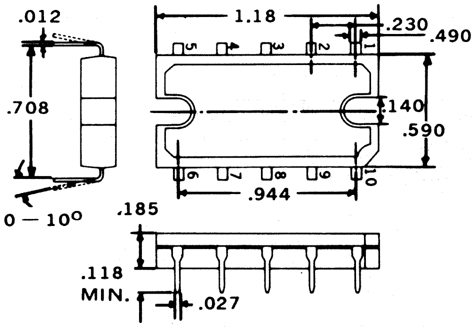
MP382



MP383

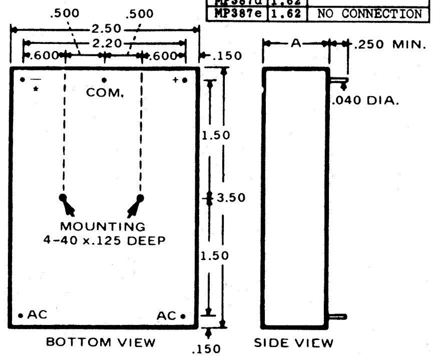


MP384

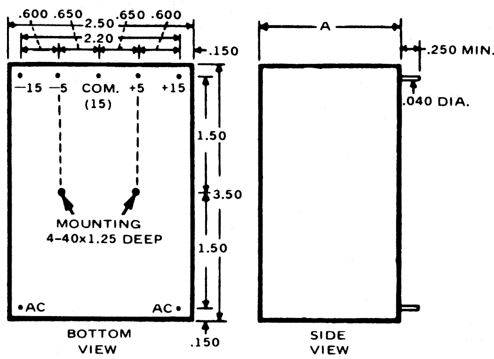


MP387

	A	*REMARKS
MP387	.875	
MP387a	.875	NO CONNECTION
MP387b	1.25	
MP387c	1.25	NO CONNECTION
MP387d	1.62	
MP387e	1.62	NO CONNECTION



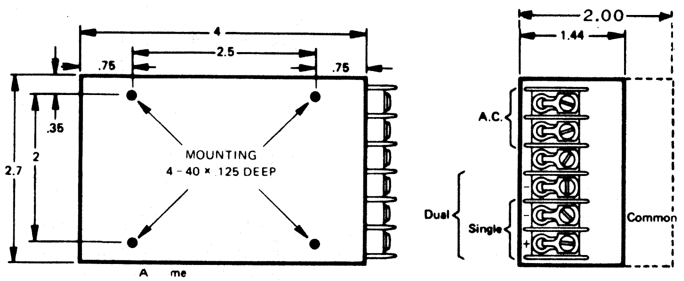
MP389



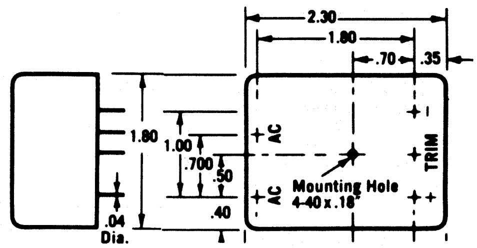
	A
MP389	1.88
MP389a	1.25

MP390

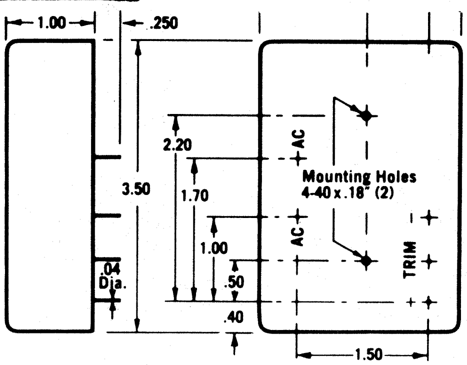
DOTTED SECTION FOR MP390a ONLY.



MP391

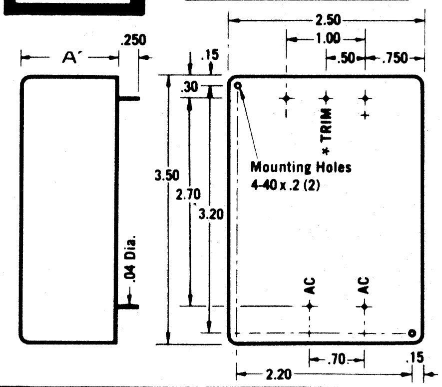


MP392

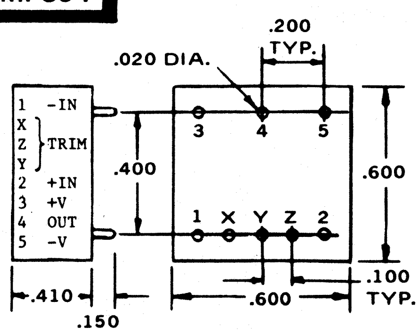


MP393

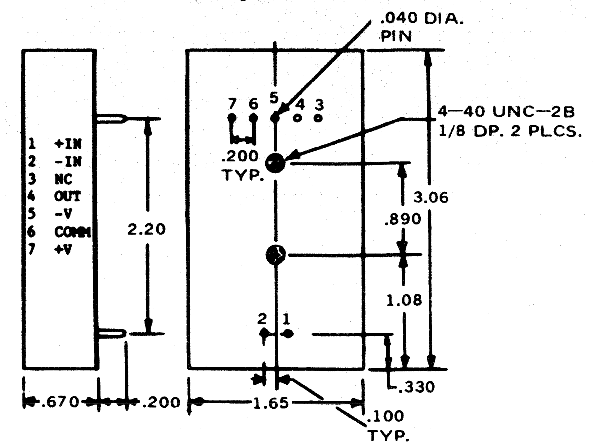
	A	*REMARKS
MP393	1.25	
MP393a	1.25	TRIM IS COMMON
MP393b	1.00	TRIM IS COMMON



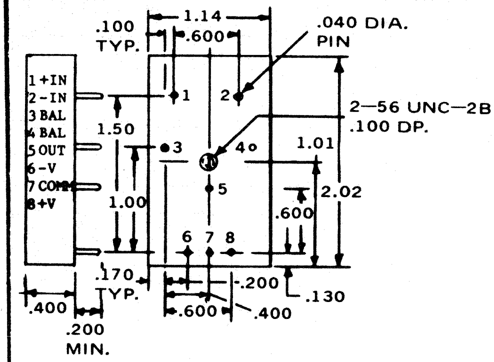
MP394



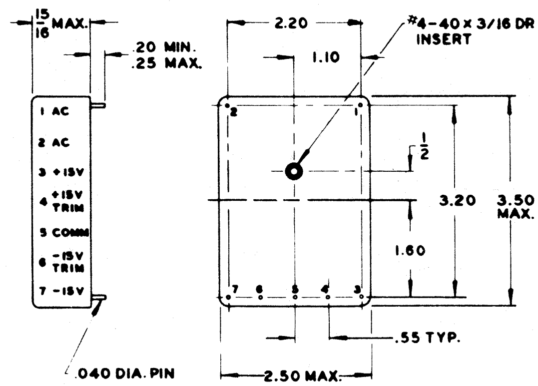
MP395



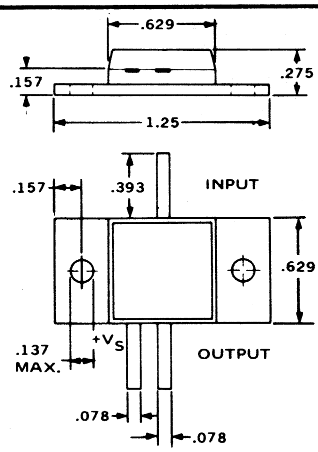
MP396



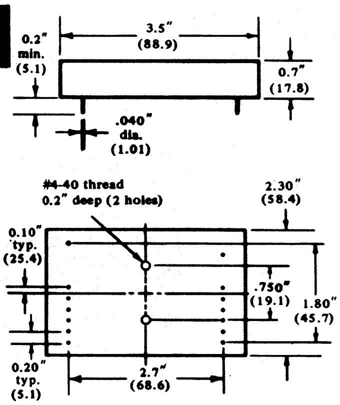
MP397



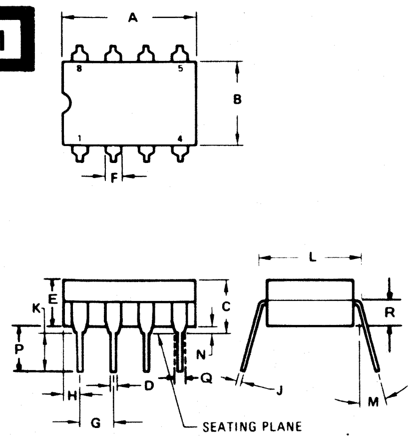
MP398



MP400

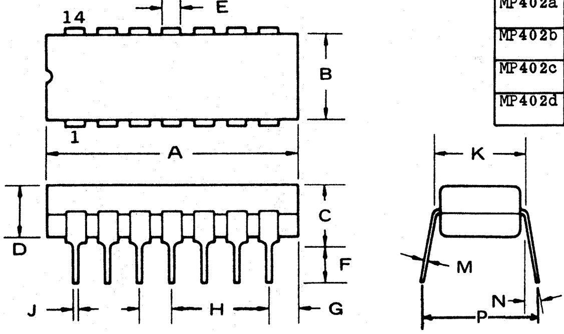


MP401



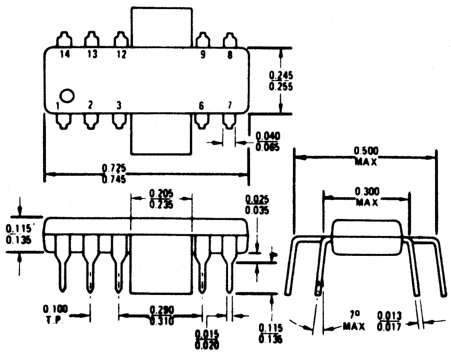
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
MP401	.393 .416	.244 .260		.015 .020	.130 .160		.090 .100	.020 .030			.285 .295			.170 .210	.028 .036	.074 .081
MP401a	.390 .430	.245 .275	.170 .200	.016 .020		.055 .065	.100	.045 .065	.008 .012	.125 .160	.290 .310	15°	.020 .040			
MP401b	.376 .384	.245 .271	.200 MAX	.016 .020		.045 .065	.090 .110		.009 .011	.125 .165	.290 .320	0° 15°	.015 .060		.029 .035	
MP401c	.376 .396	.240 .260	.155 .200	.014 .020	.105 .180	.050 .065	.100 TYP		.008 .012	.100 .150	.300 TYP	0° 15°	.020 .050	.120 .200		.030 .140
MP401d	.355 .400	.245 .280	.200 MAX	.015 .023		.070 MAX	.100	.015 .065	.008 .014	.130 MIN	.290 .310		.020 MIN		.030 MIN	
MP401e	.400 MAX	.259 MAX	.200 MAX	.023 MAX		.062 MAX	.100	.050	.014 MAX	.118 MIN	.324 MAX	0° 15°	.020 MIN		.031 MAX	
MP401f				.011 .017	.125 .135		.100 TYP	.030 .060	.009 .015	.125 MIN	.300 .320		.020 MIN			.065
MP401g	.380	.250		.018 TYP	.130		.100 TYP	.040 TYP	.010	.120 MIN	.300		.020 MIN			.065
MP401h	.380	.250		.018	.130	.060	.100	.040	.010	.125 .130	.300	0° 15°				
MP401j	.375 .390	.245 .271	.200 MAX	.014 .023		.045 .065	.100 TYP		.008 .015	.125 .200	.290 .320	0° 15°	.015 .060	.150 MIN		
MP401k	.380 .400	.240 .260	.200 MAX	.018 .022			.100 TYP		.009 .011	.125 MIN	.290 .310		.025	.150 MIN		

MP402

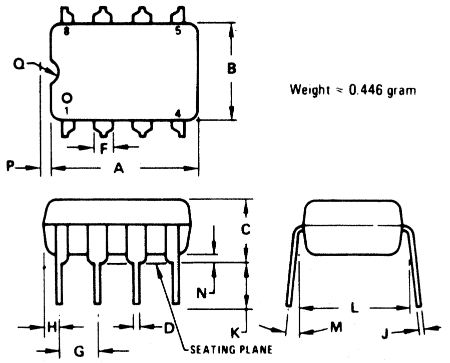


	A	B	C	D	E	F	G	H	J	K	M	N	P
MP402	.740 / .780	.240 / .270	.170 / .200	.135 / .165	.057 / .063	.115 / .135	.070 / .115	.090 / .110	.015 / .020	.290 / .325	.008 / .012	0° / 15°	
MP402a	.744 / .783	.240 / .279	.200 MAX		.047 / .059	.100 MIN		.290 / .309	.014 / .022	.290 / .309	.008 / .014	0° / 15°	
MP402b	.750 / .785	.245 / .271	.200 MAX		.045 / .065	.100 / .165	.065 / .095	.090 / .110	.016 / .020	.290 / .310	.009 / .011		.375 NOM
MP402c	.755	.250	.197 MAX	.129	.050	.100 MIN		.090 / .109	.012 / .020	.300	.006 / .014	0° / 15°	.300
MP402d	.787 MAX	.255 MAX		.130		.130		.100	.017	.330			.330 MAX

MP403



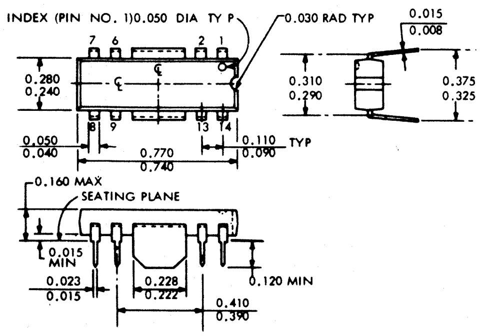
MP404



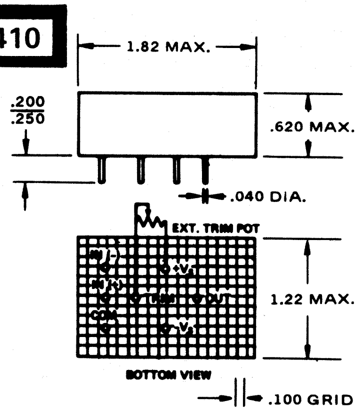
NOTES:
1. LEADS WITHIN 0.13 mm (0.005) RADIUS OF TRUE POSITION AT SEATING PLANE AT MAXIMUM MATERIAL CONDITION.
2. DIM "L" TO CENTER OF LEADS WHEN FORMED PARALLEL.

DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	9.40	10.16	0.370	0.400
B	6.10	6.60	0.240	0.260
C	3.94	4.45	0.155	0.175
D	0.38	0.51	0.015	0.020
F	1.02	1.52	0.040	0.060
G	2.54 BSC		0.100 BSC	
H	0.76	1.27	0.030	0.050
J	0.20	0.30	0.008	0.012
K	2.92	3.43	0.115	0.135
L	7.37	7.87	0.290	0.310
M	–	10°	–	10°
N	0.51	0.76	0.020	0.030
P	0.13	0.38	0.005	0.015
Q	0.76	1.02	0.030	0.040

MP408

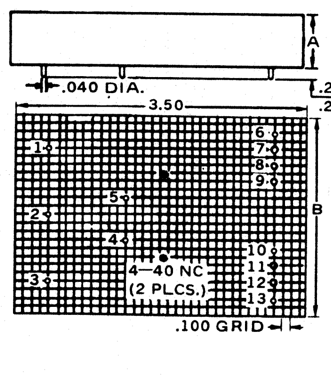


MP410

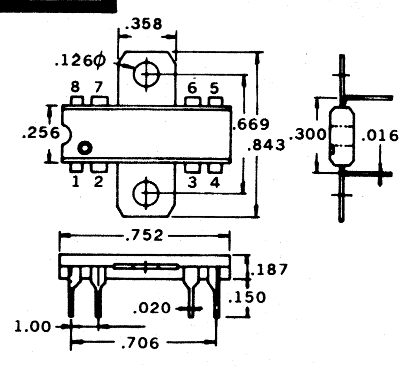


MP411

	A	B	NOTES
MP411	1.270 MAX	1.250	PINS 7,8 and 11,2 OMITTED
MP411a	.890 MAX	2.530 MAX	PINS 5,7,8,11,2 OMITTED
MP411b	1.270 MAX	2.520 MAX	PINS 4,5,7,8,11,2 OMITTED
MP411c	.890 MAX	2.530 MAX	PIN 5 OMITTED



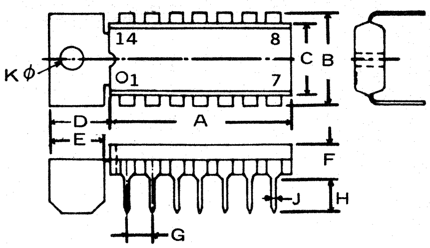
MP412



14. OUTLINE DRAWINGS

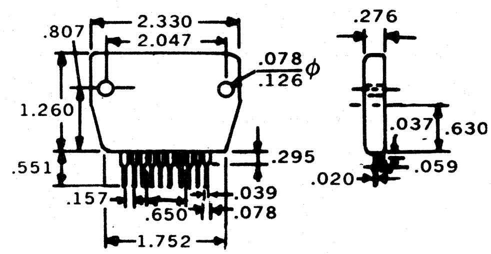
IN DRAWING NUMBER SEQUENCE

MP413

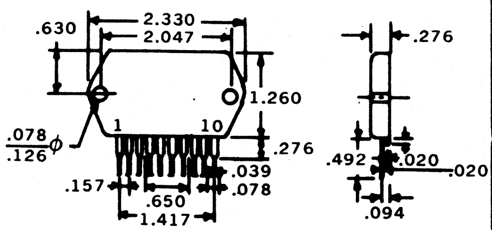


	A	B	C	D	E	F	G	H	J	K
MP413	.752	.300	.260	.260	.236	.167	.100	.138	.020	.083
MP413a	.746 / .754	.296 / .303	.248 / .251	.241 MAX	.200	.180 / .189	.100	.139 / .147	.020	.078 / .086

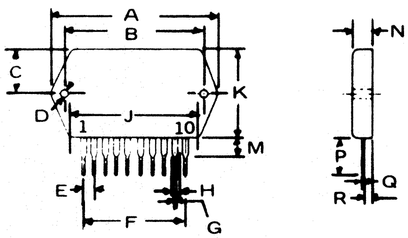
MP417



MP419

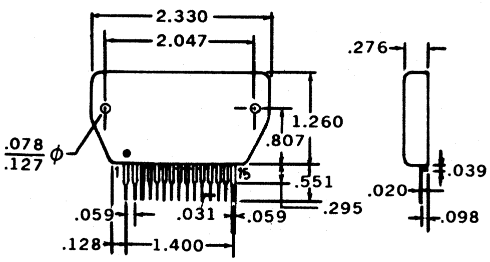


MP420

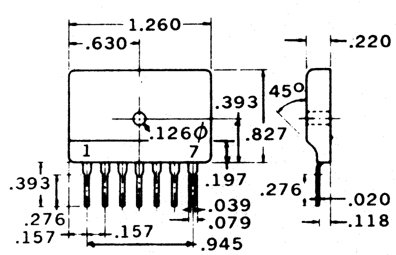


	A	B	C	D	E	F	G	H	J	K	M	N	P	R
MP420	2.330	2.047	.630	.078 / .126	.157	1.417	.078	.039		1.260	.315	.276	.512	.094
MP420a	3.071	2.756	.866	.078 / .126	.157	1.417	.078	.039	2.520	1.732	.276	.315	.492	.118

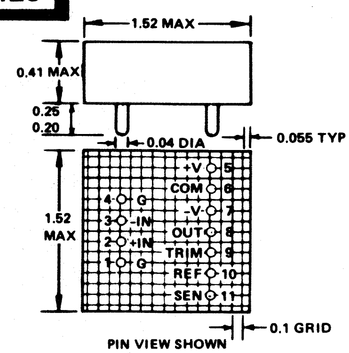
MP421



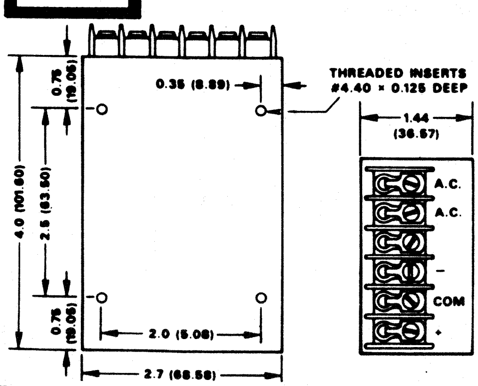
MP423



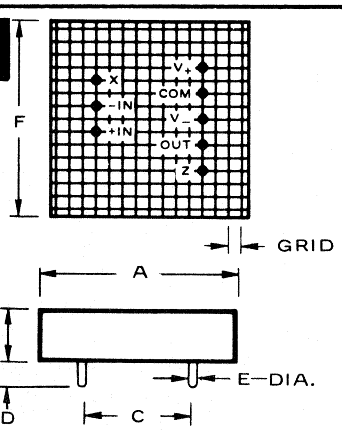
MP425



MP426

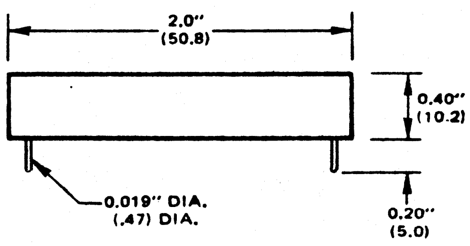


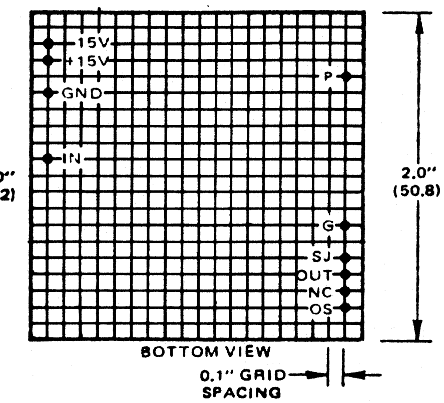
MP432



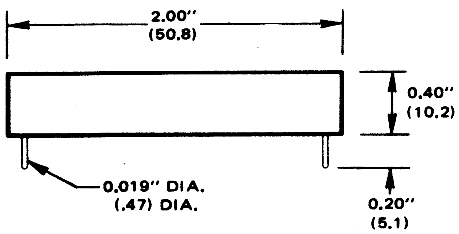
	A	B	C	D	E	F	GRID
MP432	1.50	.400	.800	.200	.040	1.50	.100
MP432a	1.50	.500		.200 / .250	.040	1.50	.100

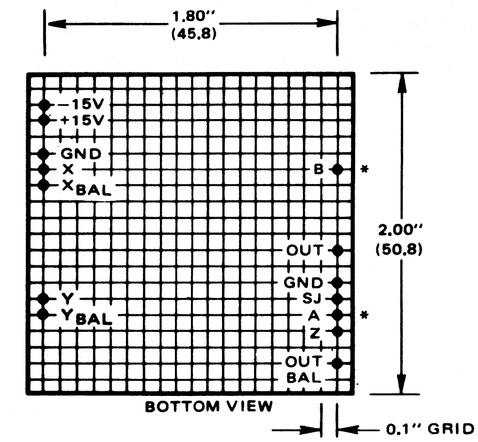
MP433



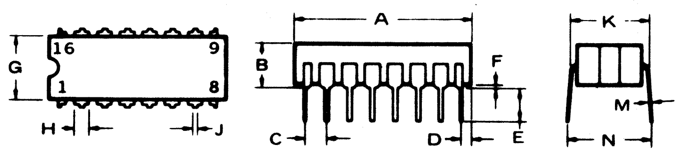


MP434



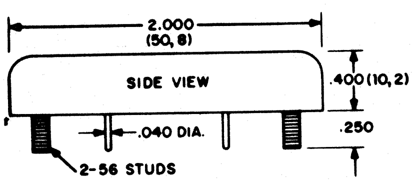


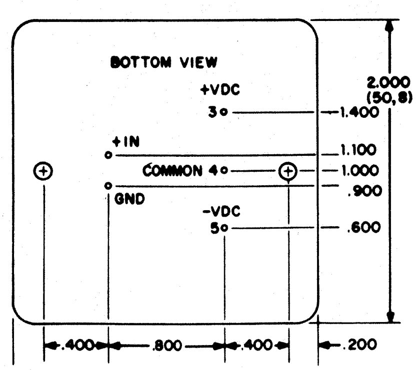
MP437



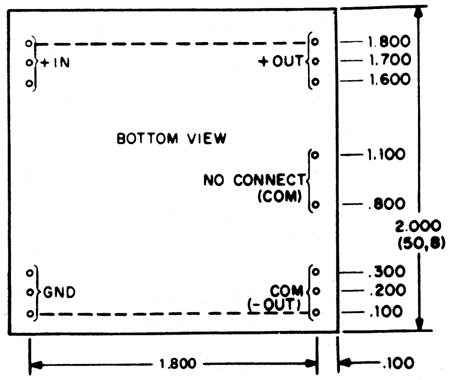
	A	B	C	D	E	F	G	H	J	K	M	N
MP437	.750 / .785	.200 MAX	.090 .110	.010 MIN	.125 MIN	.015 / .080	.265 / .291	.045 / .065	.015 / .023	.290 / .320	.009 / .011	.380
MP437a	.745 / .755	.130 / .160	.090 / .110	.020 / .030	.120 / .135	.015 / .035	.245 / .252	.044 / .052	.015 / .021	.290 / .310	.010 / .015	.325 / .375
MP437b	.787 MAX	.228 MAX	.090 / .109		.110 MIN	.035 MIN	.275 MAX		.013 / .023	.298 / .301	.007 / .015	.299 / .393
MP437c	.740 / .770	.160 MAX	.100		.120 MIN	.015 MIN	.240 / .280	.090 / .110	.015 / .023	.290 / .310	.008 / .015	.325 / .375
MP437d	.755 / .785	.175	.100 TYP		.160	.020 MIN	.270	.060	.015 / .021	.310	.007 / .013	
MP437e	.745 / .785	.145 / .188	.098 / .102		.115 / .135	.020 / .040	.243 / .263	.030 / .034	.016 / .020	.300 NOM	.010 / .012	.300 NOM

MP438

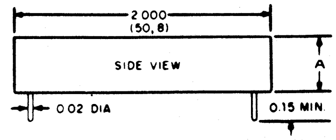


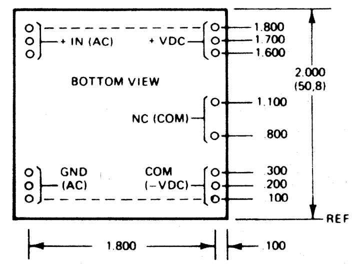


MP436



MP436,a



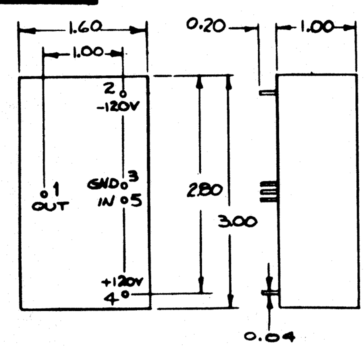


NOTE: PARENTHESES INDICATE CONNECTIONS FOR BIPOLAR OUTPUT OR AC INPUT MODELS

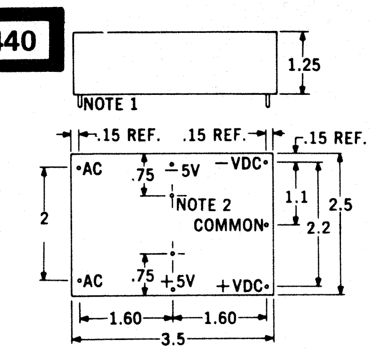
MP436b

	A
MP436	.432
MP436a	.875
MP436b	.750

MP439

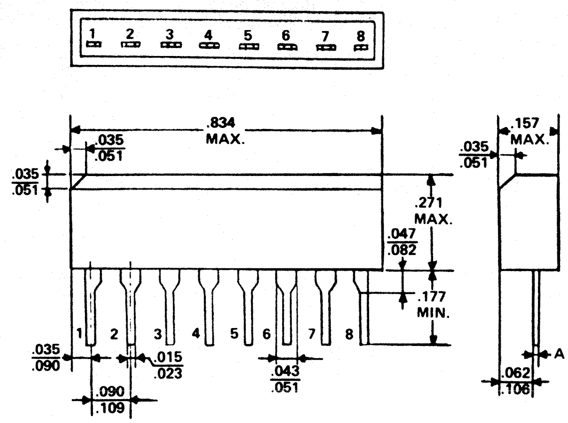


MP440



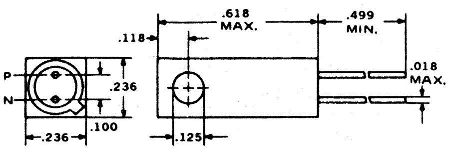
NOTES:
1. Seven Pins, .040 dia. x .2 lg. min.
2. Two Mounting Inserts, #4-40 x .10 dp min.

MP442

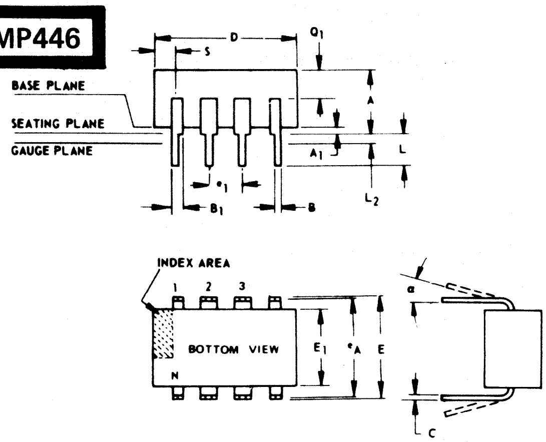


	A
MP442	.005 / .013
MP442a	.010 / .011

MP443

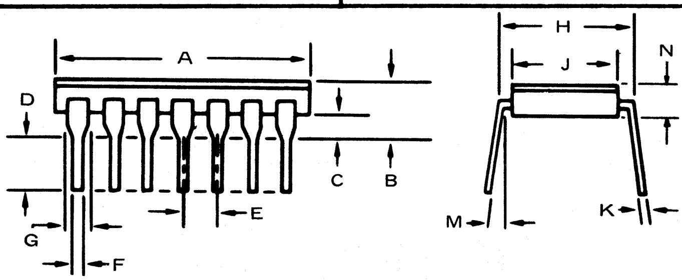


MP446

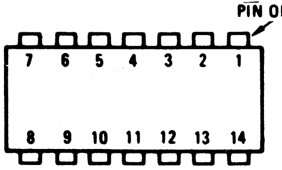


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.
A	0.155	0.200	3.94	5.08
A_1	0.020	0.050	0.508	1.27
B	0.014	0.020	0.356	0.508
B_1	0.035	0.065	0.889	1.65
C	0.008	0.012*	0.203	0.304
D	0.370	0.400	9.40	10.16
E	0.300	0.325	7.62	8.25
E_1	0.240	0.260	6.10	6.60
e_1	0.100 TP		2.54 TP	
e_A	0.300 TP		7.62 TP	
L	0.125	0.150	3.18	3.81
L_2	0.000	0.030	0.000	0.762
α	0°	15°	0°	15°
N	8		8	
N_1	0		0	
Q_1	0.040	0.075	1.02	1.90
S	0.015	0.060	0.381	1.52

MP447

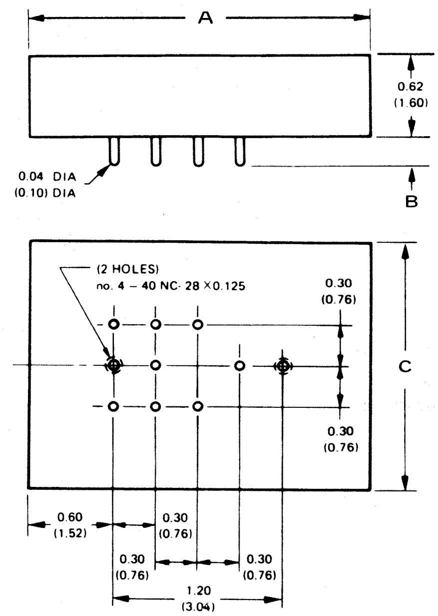


PIN ONE IDENT.



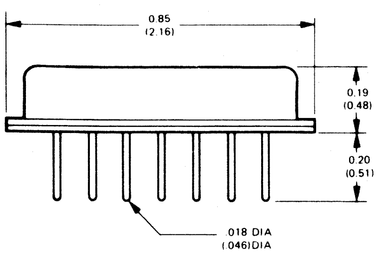
	A	B	C	D	E	F	G	H	J	K	M	N
MP447	.700	.140	.060	.138	.100	.016 / .020	.050	.300	.250	.008 / .012	8°	
MP447a	.750			.140	.100	.018		.300	.250	.008 MIN	0°	
MP447b					.100	.020		.300	.275	.009		.104 MAX
MP447c	.690			.135	.100 TYP	.015 MIN		.300	.250			.077

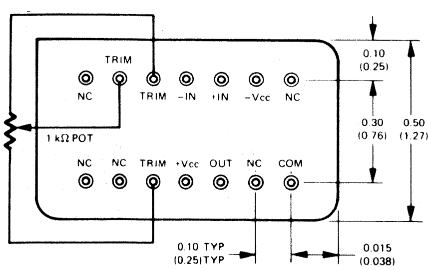
MP448



	A	B	C
MP448	2.40	.180	1.80
MP448a	2.42 MAX	.200 MIN	1.82 MAX

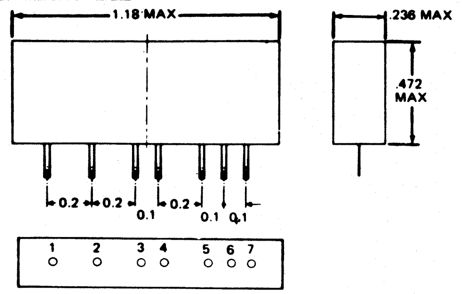
MP449





View Toward Pins

MP450



PIN NO. 1 – INPUT
PIN NO. 2,3,5,6 – GROUND
PIN NO. 4 – +24V
PIN NO. 7 – OUTPUT

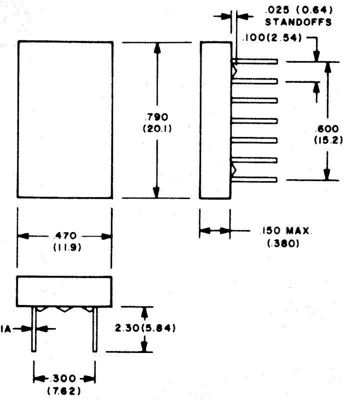
MP452

T.P	1	14	N/C
T.P	2	13	OUTPUT
N/C	3	12	N/C
GND	4	11	-15V
N/C	5	10	N/C
N/C	6	9	N/C
N/C	7	8	N/C

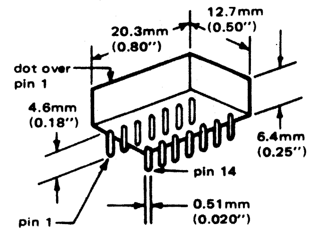
PIN DESIGNATIONS

OUTLINE DIMENSIONS IN INCHES (MILLIMETERS)

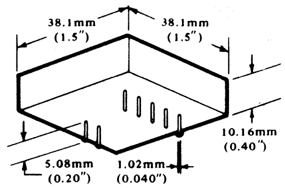
SHOWN APPROX. 1-1/2 TIMES ACTUAL SIZE



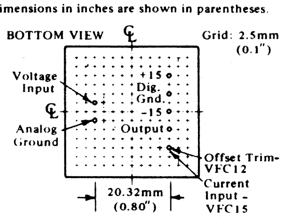
MP454



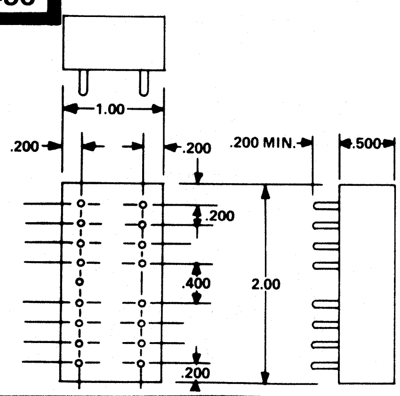
MP455



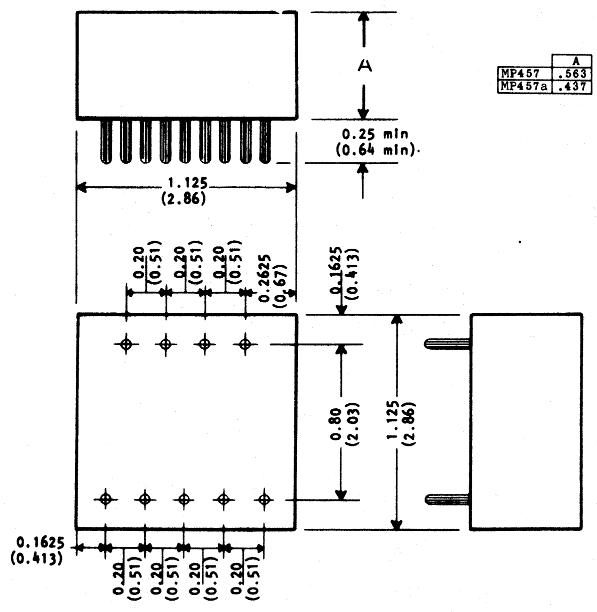
Dimensions in inches are shown in parentheses.



MP456

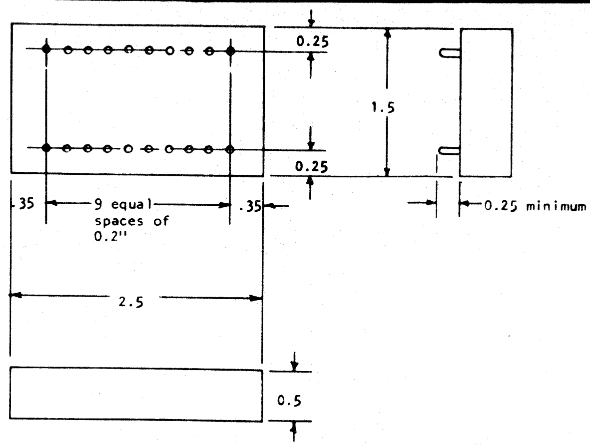


MP457

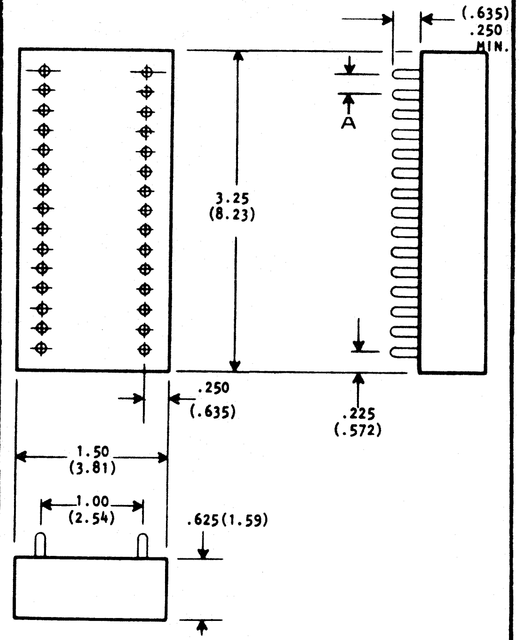


	A
MP457	.563
MP457a	.437

MP459

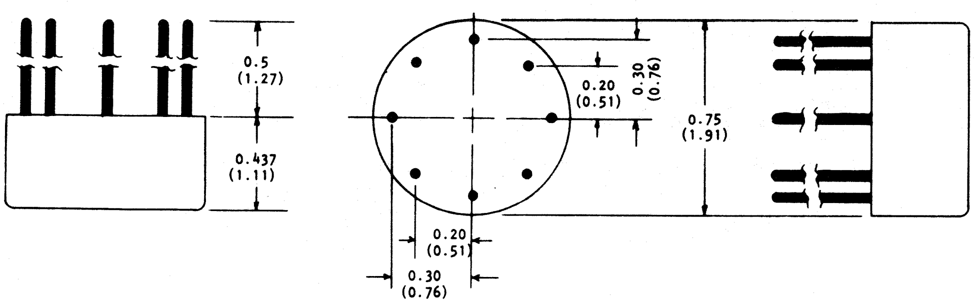


MP460

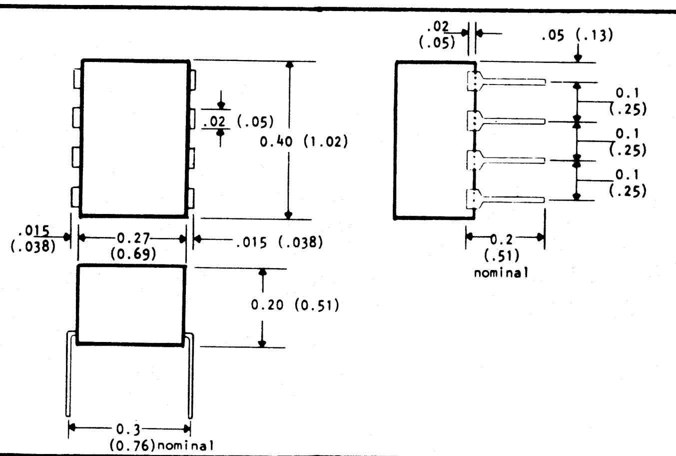


	REMARKS A	NO.OF PINS
MP460	.200 14 SPACES	30
MP460a	.200 13 SPACES	28

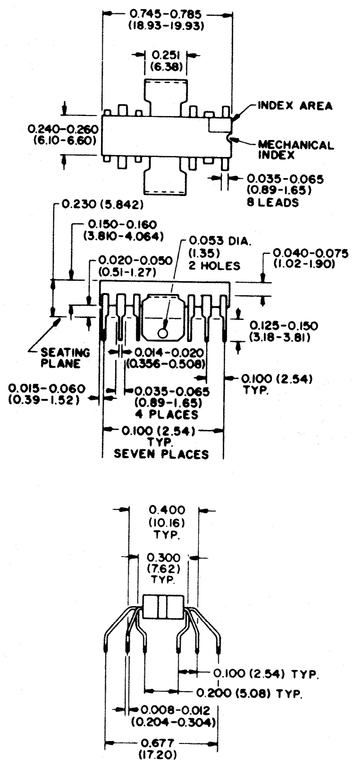
MP462



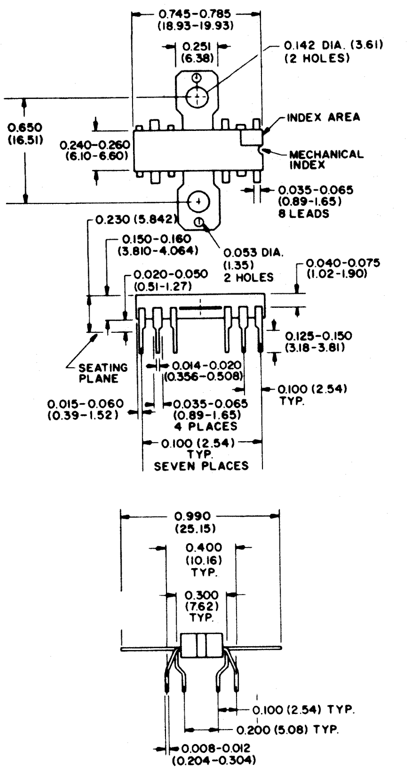
MP463



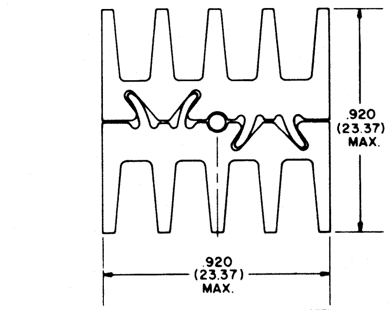
MP464



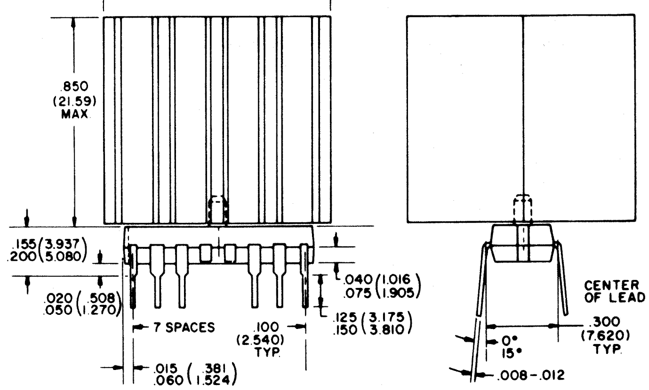
MP465



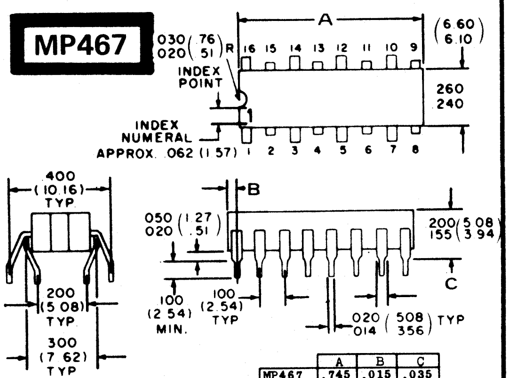
MP466



DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS AND ARE DERIVED FROM THE BASIC INCH DIMENSIONS AS INDICATED.



MP467

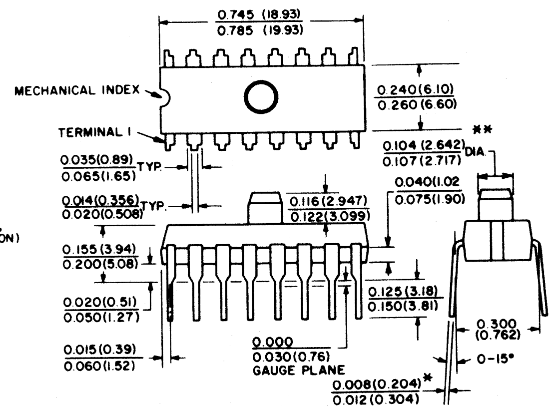


	A	B	C
MP467	.745 / .785	.015 / .060	.035 / .065
MP467a	.745 / .770	.065 / .090	.050 / .065

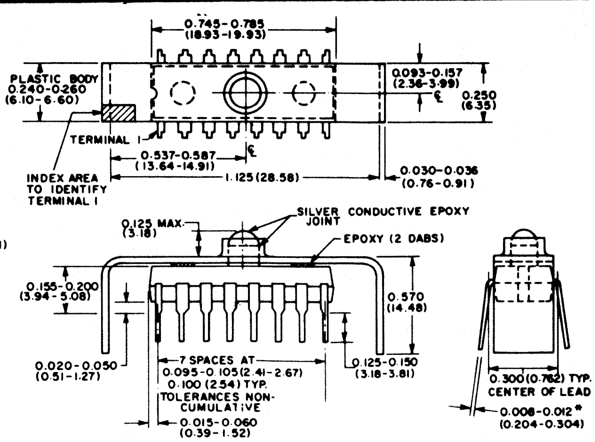
MP468

* WHEN THIS DEVICE IS SUPPLIED SOLDER-DIPPED, THE MAXIMUM LEAD THICKNESS (NARROW PORTION) WILL NOT EXCEED 0.013" (0.33 mm)

** STUD CENTERLINE (℄) COINCIDES WITH BODY CENTERLINE WITHIN ±0.015



MP469

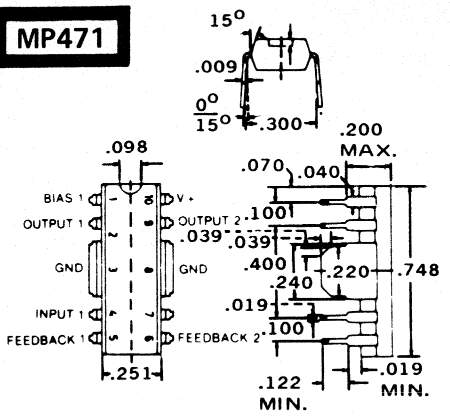


* WHEN THIS DEVICE IS SUPPLIED SOLDER-DIPPED, THE MAXIMUM LEAD THICKNESS (NARROW PORTION) WILL NOT EXCEED 0.013" (0.33 mm)

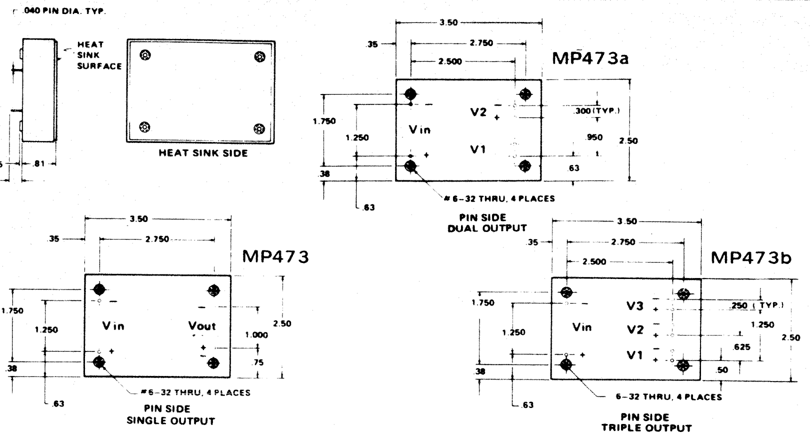
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

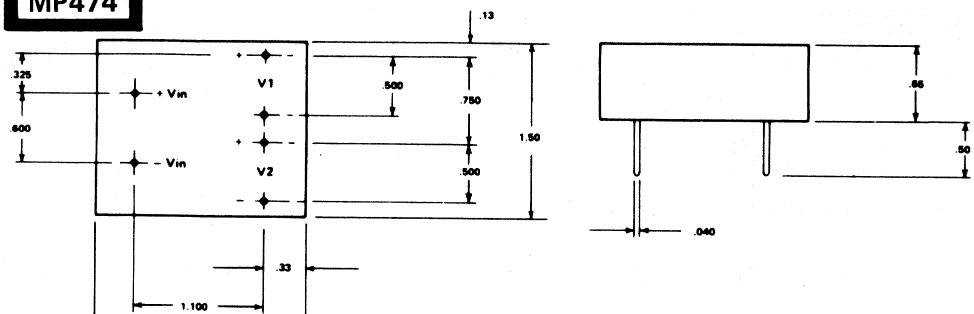
MP471



MP473



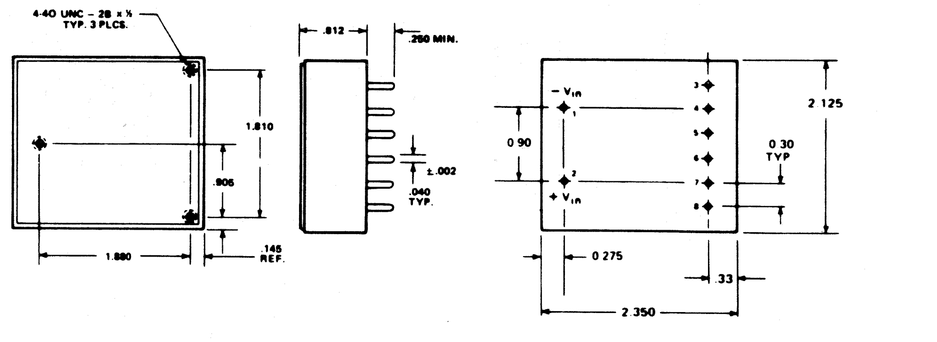
MP474



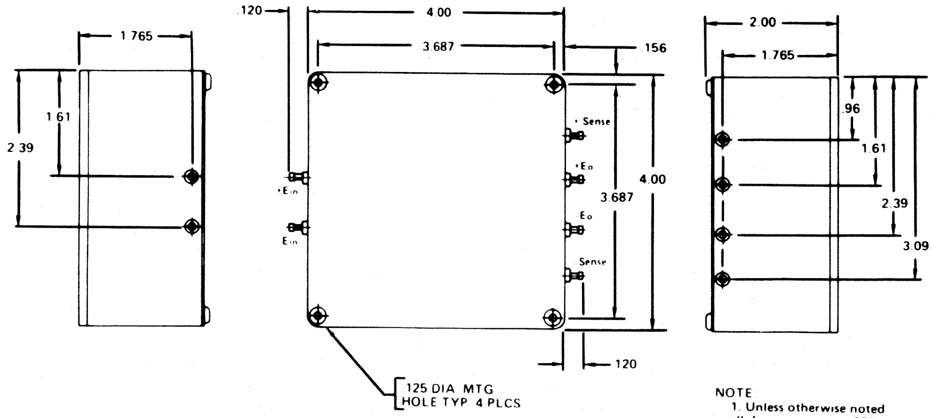
NOTES:

1. Unless otherwise noted all dimensions are ±.020.
2. On single output models output pins + V1 and − V2 only are used.

MP475

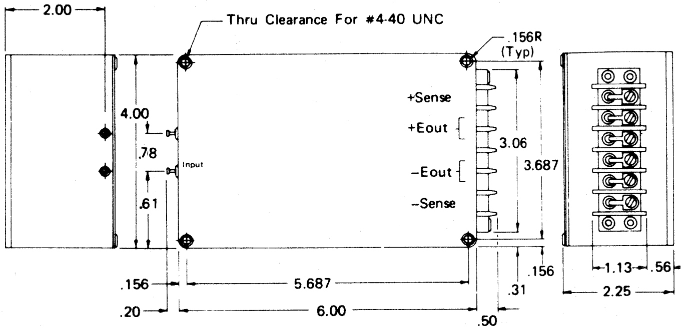


MP476

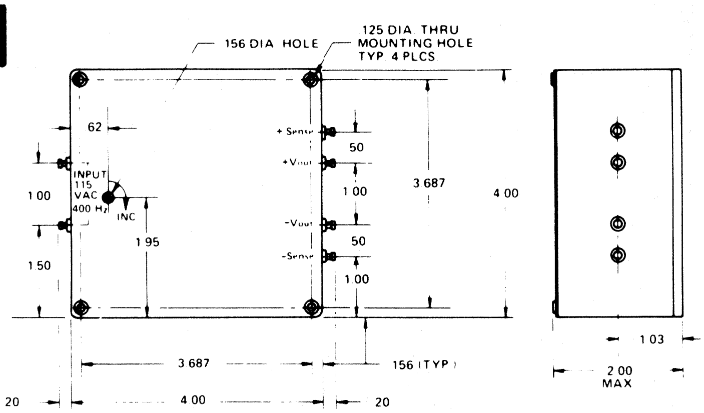


NOTE:
1. Unless otherwise noted all dimensions are ± .020

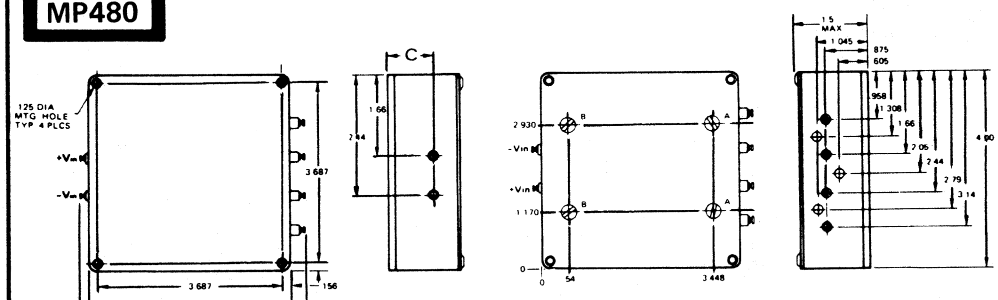
MP477



MP478



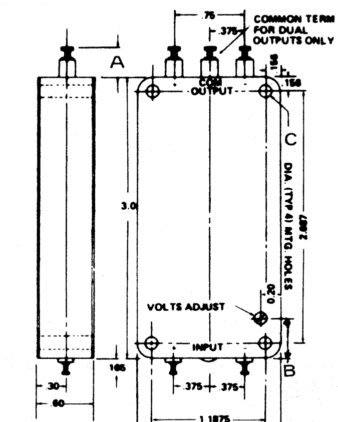
MP480



NOTE
THE 6-32 FH SCREWS MAY BE REMOVED AND THE INTERNAL THREADS USED FOR MOUNTING
MTG SCREW LENGTH
A 3/8 + BULKHEAD THICKNESS MAX
B 5/8 + BULKHEAD THICKNESS MAX

	A	B	C
MP480	.165	.313	.875
MP480a	.180	.340 MAX	.880

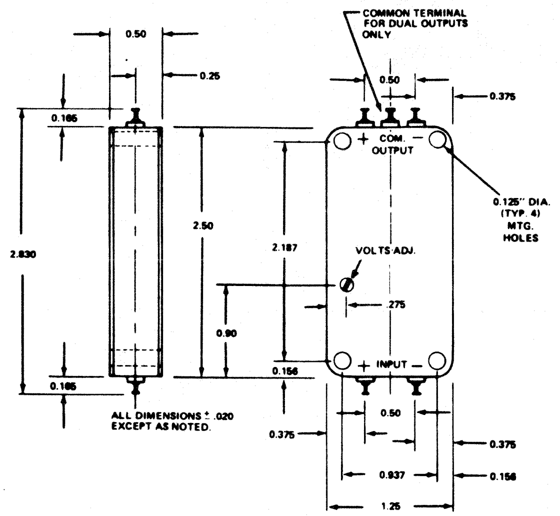
MP481



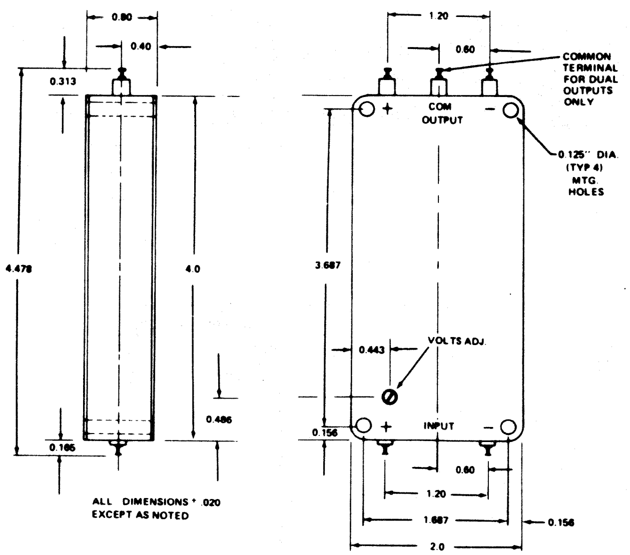
ALL DIMENSIONS ± .020"
EXCEPT AS NOTED

	A	B	C
MP481	.313	.426	.125
MP481a	.340 MAX	.390 / .450	.120

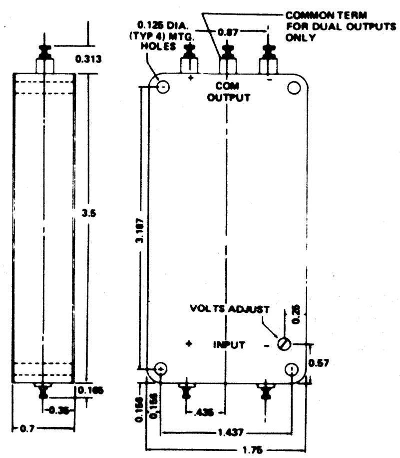
MP482



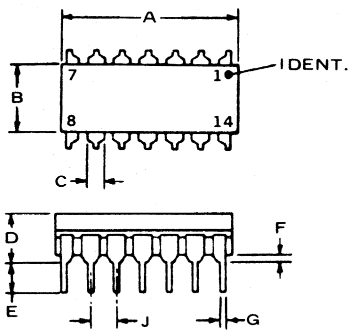
MP483



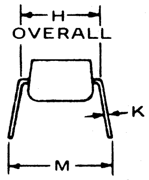
MP484



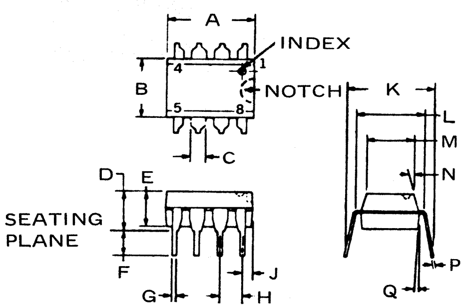
MP486



	A	B	C	D	E	F	G	H	J	K	M
MP486	.660 .785	.220 .280	.030 .070	.200 MAX	.100 MIN	.020 MIN	.015 .023	.325 MAX	.090 .110	.008 .015	.400 MAX
MP486a	.660 .785	.220 .300	.030 .070	.250 MAX	.100 MIN	.020 MIN		.325 MAX	.095 .105	.008 .015	
MP486b	.750 .785	.245 .271	.045 .065	.200 MAX	.100 .165	.015 MIN	.016 .020	.290 .310	.090 .110	.009 .011	.375
MP486c	.751	.255	.051	.167	.137	.030	.019	.300		.010	



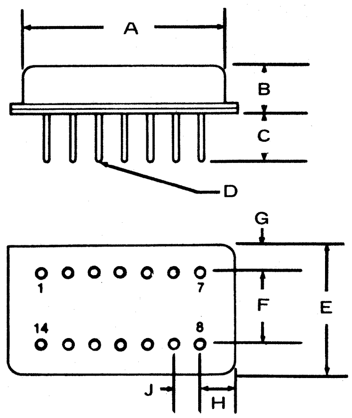
MP487



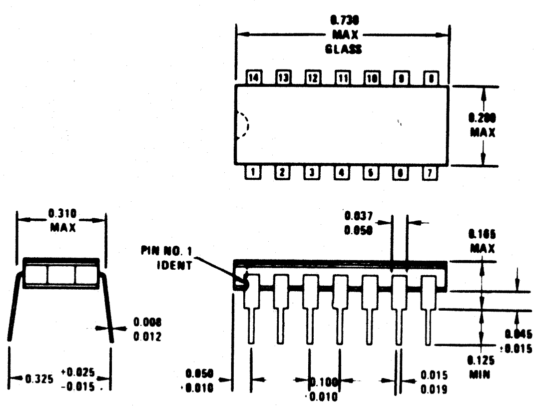
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	REMARKS
MP487	.363 .393	.236 .256	.055 .065	.190 MAX	.130 .150	.125 MIN	.016 .020	.090 .110	.039 TYP	.375 NOM	.290 .310	.197 NOM	17° TYP	.009 .011	3° TYP	INDEX ONLY
MP487a	.363 .393	.236 .256	.055 .065	.190 MAX	.130 .150	.100 .150	.016 .020	.090 .110	.039 NOM	.375 NOM	.290 .310	.197 NOM	10° TYP	.009 .011	7° TYP	NOTCH ONLY

MP488

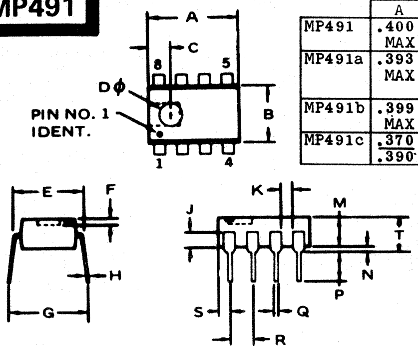
	A	B	C	D	E	F	G	H	J
MP488	.880	.190	.187	.020 TYP	.520	.300	.100	.140	.100
MP488a	.880 MAX	.195 MAX	.200 MIN	.018	.520 MAX	.300	.100	.015	.100
MP488b	.870	.190	.250	.018	.500	.300	.100		.100



MP490

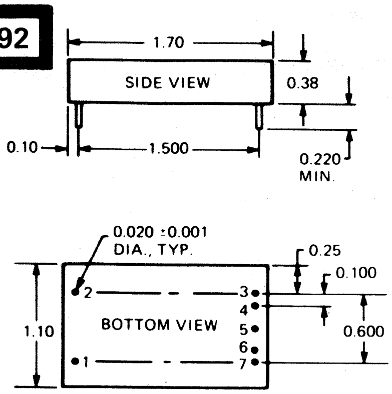


MP491

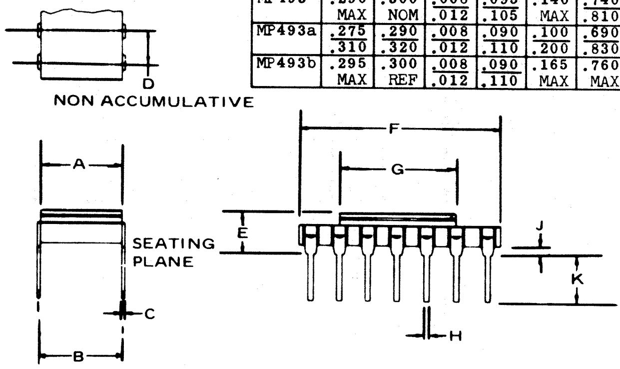


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	REMARKS
MP491	.400 MAX	.245/.255	.090	.092	.300/.320	.030 MAX	.310/.350	.009/.015	.065	.040	.125/.135	.020 MIN	.125 MIN	.015/.021	.100	.030/.060		
MP491a	.393 MAX				.324 MAX		.299/.374	.010				.017/.029	.114/.133	.015/.020	.100	.045 MAX	.165 MAX	DOTTED TAB AS SHOWN, OMIT PIN NO 1 ID
MP491b	.399 MAX	.244/.255		.059		.059						.019 MIN	.125 MIN	.014/.021	.099	.049 MAX	.165	AS SHOWN
MP491c	.370/.390	.250			.300		.360 MAX		.070	.040	.130	.030	.120 MIN	.020	.100		.160	NOTCH AND DOT

MP492

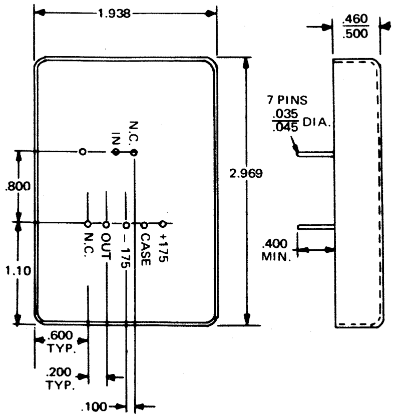


MP493

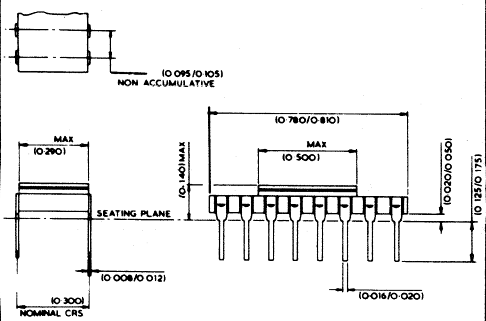


	A	B	C	D	E	F	G	H	J	K
MP493	.290 MAX	.300 NOM	.008/.012	.095/.105	.140 MAX	.740/.810	.500 MAX	.016/.020	.020/.050	.125/.175
MP493a	.275/.310	.290/.320	.008/.012	.090/.110	.100/.200	.690/.830		.015/.023	.020/.050	.125/.160
MP493b	.295 MAX	.300 REF	.008/.012	.090/.110	.165 MAX	.760 MAX	.485 MAX	.015/.020	.020/.060	.125 MIN

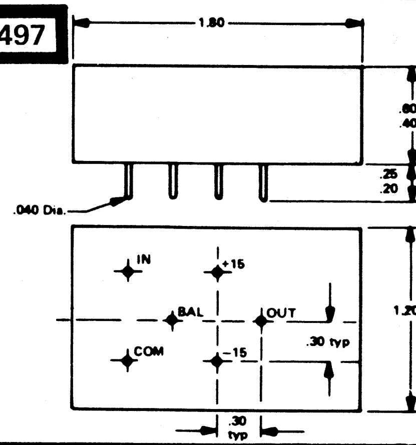
MP494



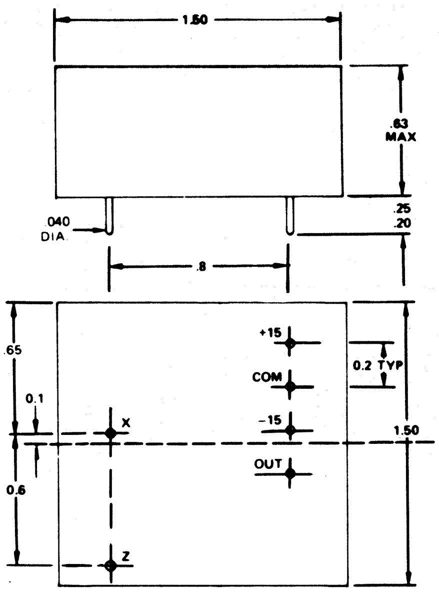
MP495



MP497

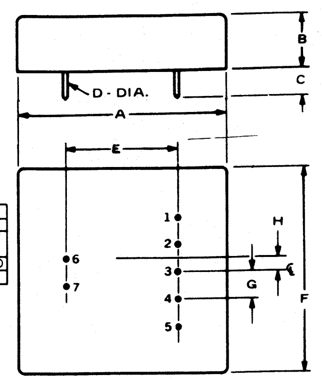


MP500

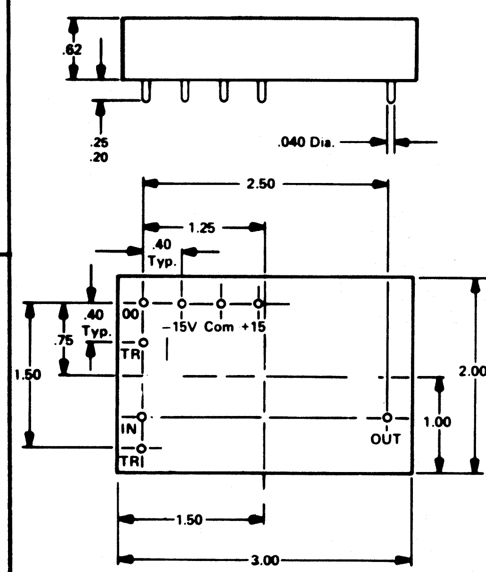


MP501

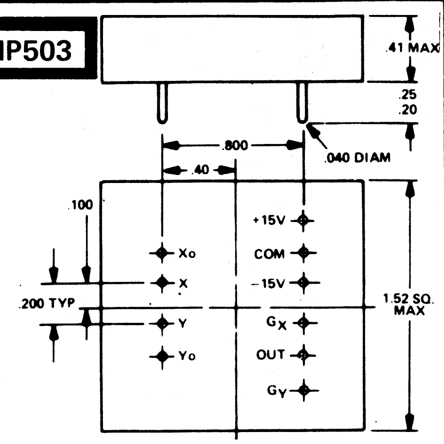
	A	B	C	D	E	F	G	H	PIN NO. 1	2	3	4	5	6	7
MP501	1.12	.400	.200 / .250	.040	.800	1.12	.200	.100	+15	COM	-15	OUT	TRIM	-IN	+IN
MP501a	1.50	.400	.200	.040	.800	1.50	.200	.100	+15	COM	-15	OUT	TRIM	INP	H.Q.GND
MP501b	1.50	.400	.200	.040	.800	1.50	.200	.100	+15	COM	-15	OUT	TRIM	VIN	REF IN



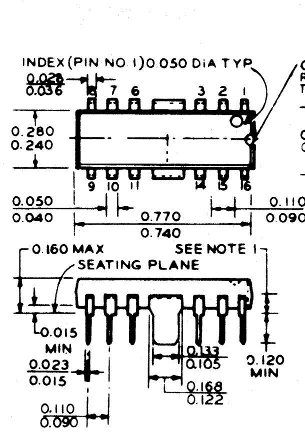
MP502

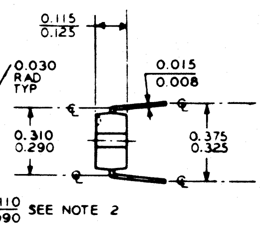


MP503



MP504

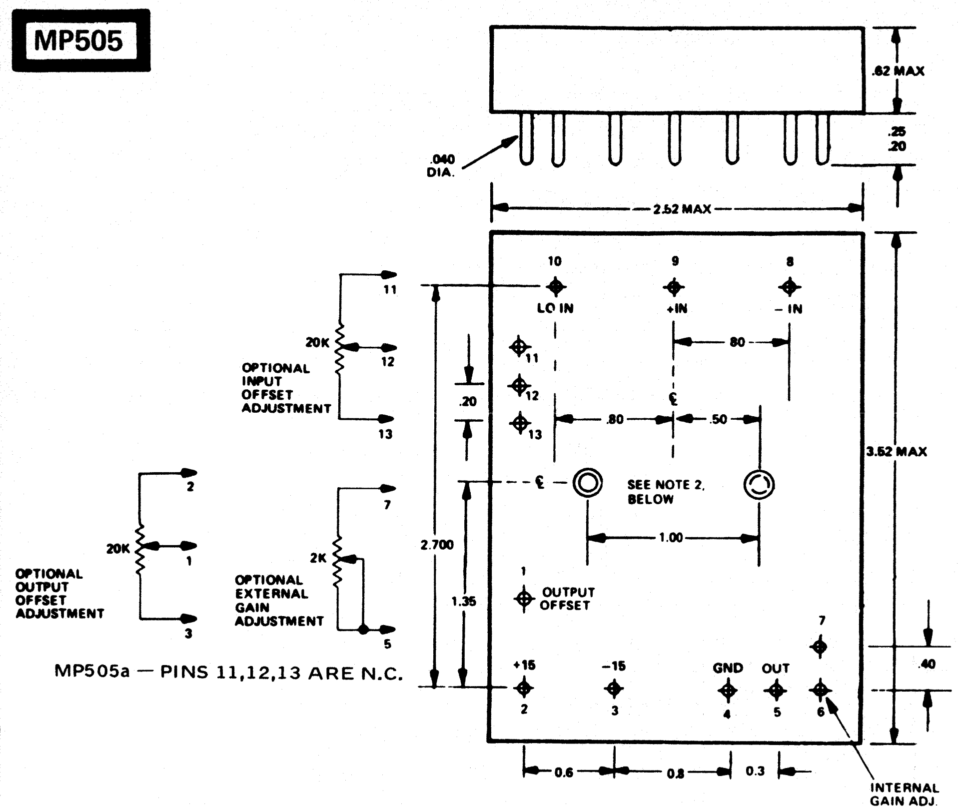




NOTES:

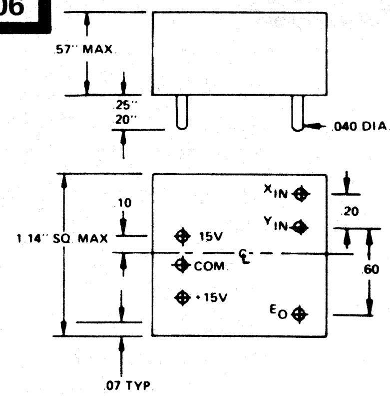
1. LEAD SPACING SHALL BE MEASURED WITHIN THIS ZONE
2. LEAD SPACING TOLERANCE NON-CUMULATIVE
3. ALL DIMENSIONS IN INCHES

MP505

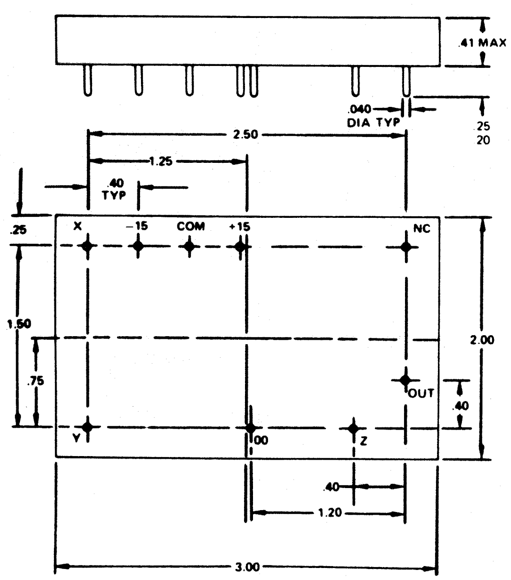


MP505a — PINS 11,12,13 ARE N.C.

MP506



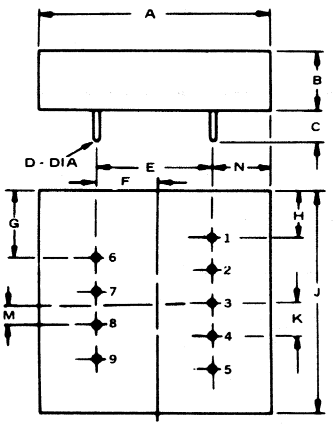
MP507



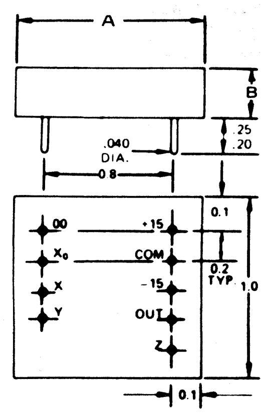
MP508

	A	B	C	D	E	F	G	H	J	K	M	N
MP508	1.75	.400	.200/.250	.040	.800	.400			1.75	.200	.100	
MP508a	1.50	.620	.200/.250	.040	.800		.450	.360	1.50	.200		.360
MP508b	1.75	.400	.200/.250	.040	.800	.400			1.75	.200	.100	
MP508c	2.50	.380	.200/.250	.040	1.60				1.75	.200		
MP508d	1.50	.500 MAX	.200 MIN	.040	.800		.350	.350	1.50	.200	.100	
MP508e	1.125	.400 MIN	.200 MIN	.040	.800				1.125	.200		
MP508f	1.00	.500	.200 MIN	.040	.800				1.00	.200		
MP508g	1.50	.400	.200 MIN	.040	.800				1.50	.200	.100	
MP508h	1.50	.600	.200	.040	.800				1.50	.200	.100	
MP508j	1.51	.610 MAX	.200 MIN	.040	.800				1.51	.200		
MP508k	1.50	.400	.200	.040	.800				1.50	.200	.100	
MP508m	1.50	.400	.200	.040	.800				1.50	.200	.100	
MP508n	2.00	.400	.200	.040	.800				2.00	.200	.100	
MP508p	3.00	.400	.200 MIN	.040	.800				2.00	.200	.100	
MP508q	1.50	.400	.200 MIN	.040	.800				1.50	.200	.100	
MP508r	1.51 MAX	.410 MAX	.200/.250	.040	.800	.400			1.51 MAX	.200	.100	
MP508s	1.51 MAX	.410 MAX	.200/.250	.040	.800	.400			1.51 MAX	.200	.100	
MP508t	1.72/1.78	.630/.690	.250 MIN	.032	1.37/1.43	.670/.730			1.22/1.28	.180/.220	.080/.120	
MP508u	2.00	.400	.200 MIN	.040	.800				2.00	.200	.100	
MP508v	1.515 MAX	.620 MAX	.200 MIN	.038/.042	.800				1.515 MAX	.200	.100	
MP508w	1.140 MAX	.410 MAX	.200 MIN	.038/.042	.800				1.410 MAX	.200	.100	

	PIN NOS. 1	2	3	4	5	6	7	8	9
MP508	+15	COM	-15	OUT	O	X	G	Z	Y
MP508a	+15	COM	-15	OUT	OO	X	XO	Z	Y
MP508b	+15	COM	-15	OUT	SP	OS	IN	G	S
MP508c	+15	COM	-15	OUT	SP	OO	X	Y	NC
MP508d	+V	COM	-V	OUT	Z	X	-IN	IN	Y
MP508e	+VCC	COM	-VCC	OUT	TRIM	TRIM	-IN	IN	TRIM
MP508f	C2	B2	RT	B1	C1	E2	RS	RC	E1
MP508g	Isig	Iref	OUT	Aset	1V	TRIM	-15	COM	-15
MP508h	+15	COM	-15	OUT	SP	OS	IN	G	S
MP508j	+VC	COM	-VC	OUT	XOS	Z	Y	X	Yos
MP508k	+15	COM	-15	OUT	TRIM	EOS ADJ	FREQ INP	REF IN	SUM PT
MP508m	+15	COM	-15	OUT	FS ADJ	EOS ADJ	FREQ INP	REF IN	SUM PT
MP508n	+15	COM	-15	OUT	TRIM	EOS ADJ	FREQ INP	REF IN	SUM PT
MP508p	+15	COM	-15	OUT	EOS TRIM	I IN	E IN	REF IN	-5V
MP508q	Iin	Ein	OUT	1V D	2V D	EOS ADJ	-15	COM	15
MP508r	+V	COM	-V	OUT	Cf	TRIM	IN	GAIN	SUM PT
MP508s	+V	COM	-V	OUT	FS ADJ	TRIM	IN	REF	SUM PT
MP508t	Cont EOUT	Cont Iin	Dist NULL	Dist NULL	Sig Iin	Sig Iout	-15V	COM	-15V
MP508u	+15V	COM	-15V	OUT	ZERO ADJ	Iin	Vin	REF IN	OPTION
MP508v	+VCC	COM	-VCC	OUT	TRIM	TRIM	-IN	+IN	TRIM
MP508w	+VCC	COM	-VCC	OUT	TRIM	TRIM	-IN	+IN	TRIM

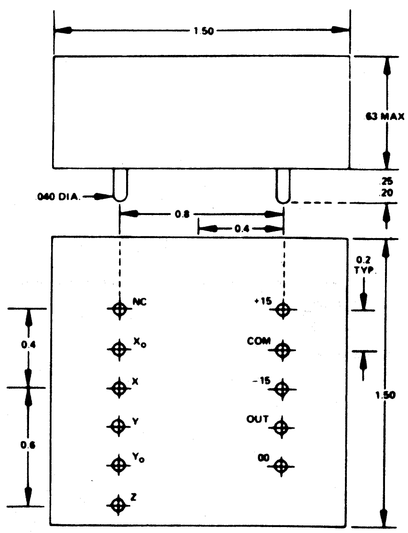


MP509

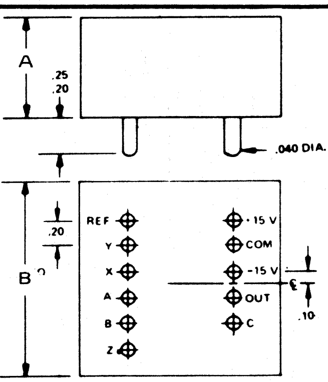


	A	B
MP509	1.00 SQ	.375
MP509a	1.13 SQ	.400

MP510

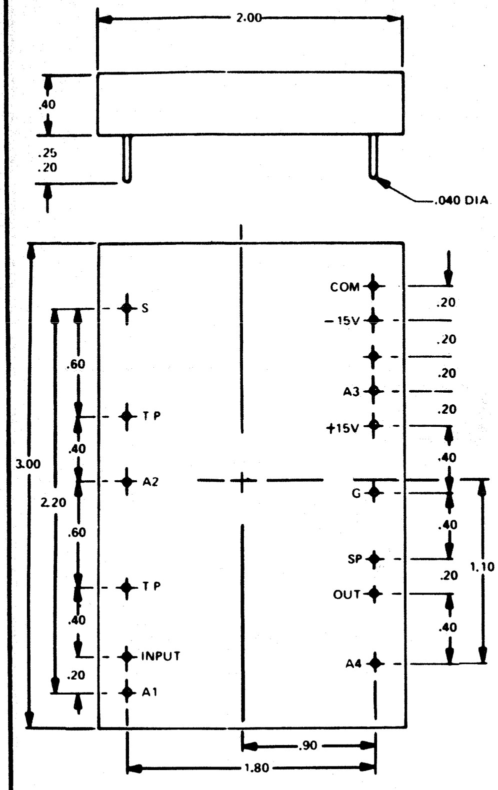


MP512

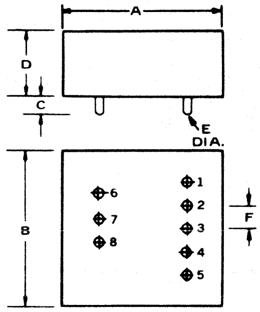


	A	B
MP512	.620	.510 MAX
MP512a	1.52 SQ MAX	1.77 SQ MAX

MP515

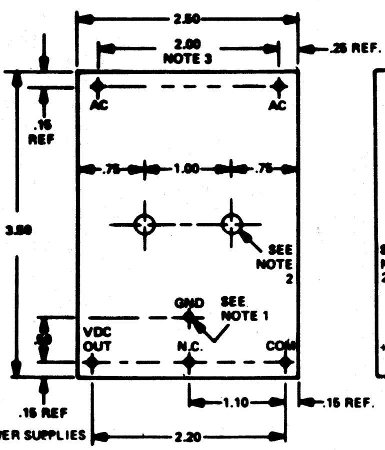


MP516

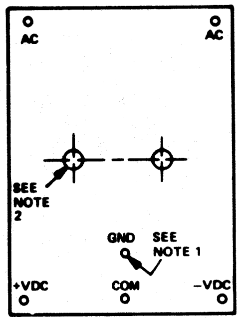


	A	B	C	D	E	F	1	2	3	4	5	6	7	8
MP516	1.52	1.52	.200 / .250	.630 MAX	.040	.200	+15	COM	−15	OUT	SP	OS	IN	G
MP516a	2.00	2.00	.200 MIN	.400	.040	.200	+15	COM	−15	OUT	EOS TRIM	Iin	Ein	REP IN
MP516b	1.140 MAX	1.140 MAX	.200 MIN	.590 MAX	.038 / .042	.200 TYP	+VCC	COM	−VCC	OUT	TRIM	Y	X	TRIM
MP516c	2.02 MAX	2.02 MAX	.200 MIN	.410 MAX	.038 / .042	.200	+VCC	COM	−VCC	OUT	EOS TRIM	Iin	+Vin	−Vin
MP516d	1.140 MAX	1.140 MAX	.200 MIN	.410 MAX	.038 / .042	.200 TYP	+VCC	COM	−VCC	Vout	FS SET	Fin	REF IN	SUM PT

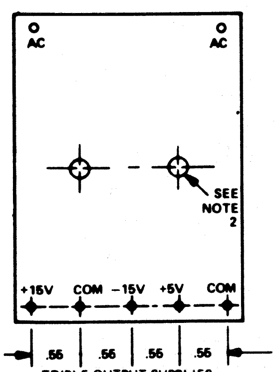
MP518



SINGLE OUTPUT POWER SUPPLIES

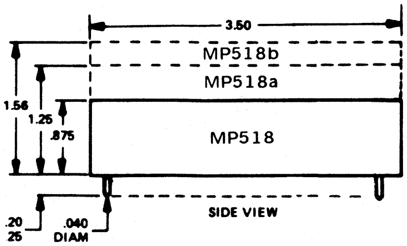


DUAL OUTPUT SUPPLIES



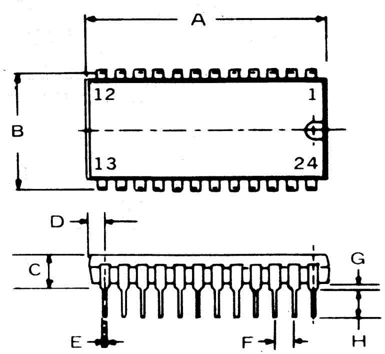
TRIPLE OUTPUT SUPPLIES

NOTES (FIGURES X & Y):
1. HIGH ISOLATION GROUND SHIELD, OPTION "I" ONLY.
2. TWO MOUNTING INSERTS 4-40 x .10 DP. MIN.
3. OPTION D, 2.20" AC INPUT



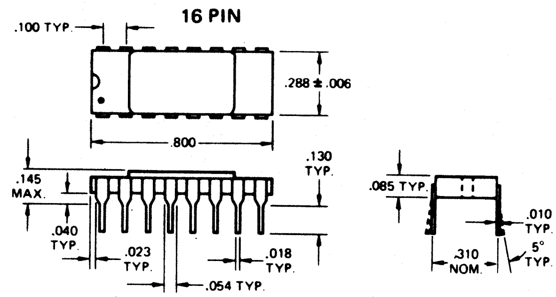
SIDE VIEW

MP520

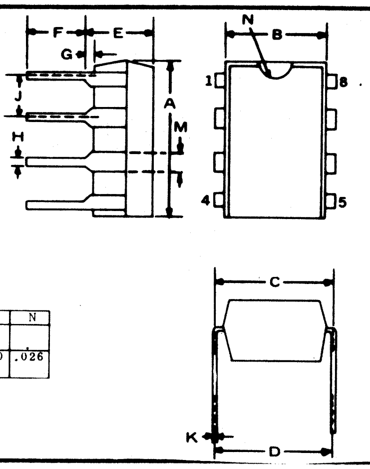


	A	B	C	D	E	F	G	H
MP520	1.23 / 1.26	.599	.200 MAX	.085 MAX	.	.090 / .109	.019 MIN	.135 / .164
MP520a	1.275	.600	.255	.085	.020	.100	.015	.185
MP520b	1.299 MAX	.600	.217 MAX		.015 / .023	.100	.031 MIN	.122 MIN

MP521

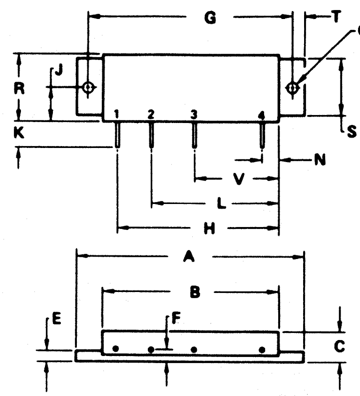


MP522



	A	B	C	D	E	F	G	H	J	K	M	N
MP522	.413 MIN	.255 MAX	.298/.301	.299/.393	.196 MAX	.118 MIN	.019 MIN	.015/.023	.090/.109	.007/.015		
MP522a	.400 MAX	.280 MAX	.300		.197	.118	.020	.020	.100	.010	.060	.026

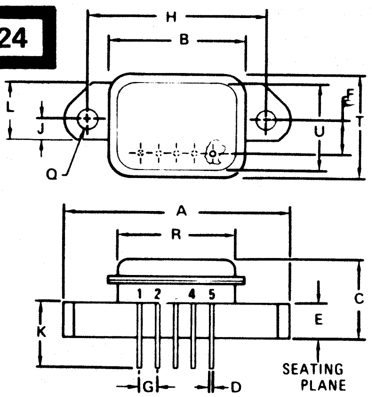
MP523



STYLE 1:
PIN 1. RF INPUT
2. DC GAIN
3. DC TERM.
4. RF OUTPUT
CASE. GROUND

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	48.13	48.39	1.895	1.905
B	33.15	33.40	1.305	1.315
C	5.84	6.86	0.230	0.270
E	1.32	1.83	0.052	0.072
F	2.21	2.84	0.087	0.112
G	41.15	41.40	1.620	1.630
H	30.35	30.61	1.195	1.205
J	7.49	7.75	0.295	0.305
K	6.73	8.51	0.265	0.335
L	22.73	22.98	0.895	0.905
N	2.41	2.67	0.095	0.105
Q	2.92	3.18	0.115	0.125
R	17.14	17.40	0.675	0.685
S	15.11	15.37	0.595	0.605
T	3.35	3.61	0.132	0.142
V	15.11	15.37	0.595	0.605

MP524

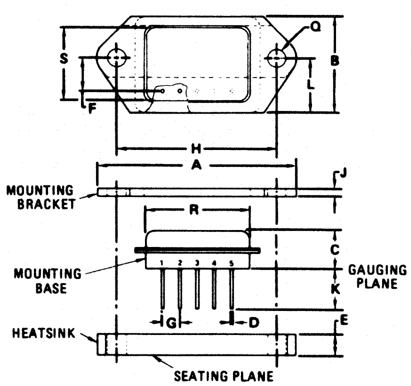


NOTE:
1. LEADS WITHIN 0.13 mm (0.005) RADIUS OF TRUE POSITION AT SEATING PLANE AT MAXIMUM MATERIAL CONDITION.

STYLE 1:
PIN 1. RF IN
2. DC & RF GROUND
3. B+ INPUT
4. DC & RF GROUND
5. RF OUT

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	46.99	48.01	1.850	1.890
B	29.46	30.48	1.160	1.200
C	14.35	15.11	0.565	0.595
D	0.69	0.84	0.027	0.033
E	4.95	5.46	0.195	0.215
F	7.62	8.26	0.300	0.325
G	4.06 BSC		0.160 BSC	
H	37.97	38.23	1.495	1.505
J	4.57	4.83	0.180	0.190
K	9.14	10.67	0.360	0.420
L	12.32	13.08	0.485	0.515
Q	3.99	4.24	0.157	0.167
R	24.94	25.20	0.982	0.992
T	23.11	24.13	0.910	0.950
U	18.47	18.72	0.727	0.737

MP525

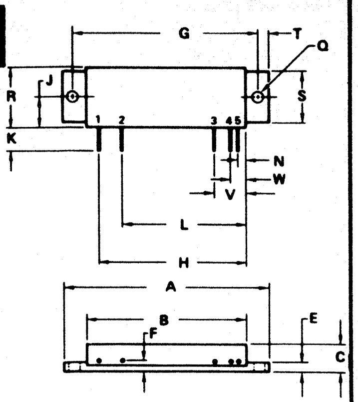


NOTES:
1. LEADS WITHIN 0.25 mm (0.010) RAD OF TRUE POSITION AT GAUGING PLANE AT MAXIMUM MATERIAL CONDITION.
2. OVERALL ASSEMBLED DIMENSION OF 3 SEPARATE PARTS (HEATSINK, MOUNTING BASE AND MOUNTING BRACKET) FROM SEATING PLANE TO TOP OF PACKAGE 14.22/15.11 mm (0.560/0.595) REF.
3. RECOMMENDED TORQUE 6.78×10^{-1} $N \cdot m$ (6 LBS-IN) FOR A # 6 SCREW.

STYLE 1:
PIN 1. RF IN
2. DC & RF GROUND
3. B+ INPUT
4. DC & RF GROUND
5. RF OUT

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	47.12	48.13	1.855	1.895
B	23.75	24.51	0.935	0.965
C	9.40	9.65	0.370	0.380
D	0.69	0.84	0.027	0.033
E	4.83	5.33	0.190	0.210
F	8.00 REF		0.315 REF	
G	4.06 BSC		0.160 BSC	
H	38.10 BSC		1.500 BSC	
J	1.85	2.49	0.073	0.098
K	9.14	10.67	0.360	0.420
L	12.95	13.97	0.510	0.550
Q	3.99	4.75	0.157	0.187
R	24.94	25.20	0.982	0.992
S	18.41	18.67	0.725	0.735

MP526

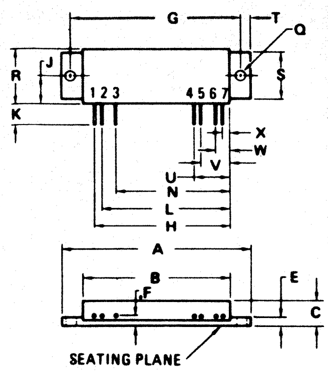


STYLE 1:
PIN 1. RF OUTPUT
2. D.C. TERM.
3. D.C. GAIN
4. GROUND
5. RF INPUT

NOTE:
1. MOUNTING HOLES WITHIN .13 (.005) DIA. OF TRUE POSITION AT SEATING PLANE AT MAXIMUM MATERIAL CONDITION.

DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	67.06	67.56	2.640	2.660
B	52.32	52.83	2.060	2.080
C	8.51	8.89	0.335	0.350
E	2.54	2.79	0.100	0.110
F	2.67	2.92	0.105	0.115
G	61.09 BSC		2.405 BSC	
H	47.88	48.64	1.885	1.915
J	10.67	11.18	0.420	0.440
K	5.84	7.62	0.230	0.300
L	40.26	41.02	1.585	1.615
N	2.16	2.92	0.085	0.115
Q	3.45	3.71	0.136	0.146
R	20.32	20.57	0.800	0.810
S	17.02	17.53	0.670	0.690
T	2.98	3.24	0.1175	0.1275
V	9.78	10.54	0.385	0.415
W	4.70	5.46	0.185	0.215

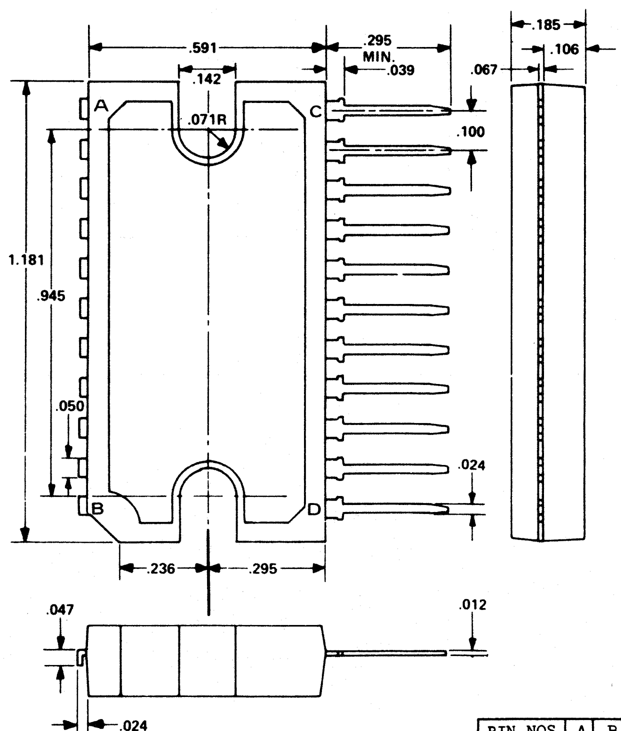
MP527



DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	67.06	67.56	2.640	2.660
B	52.32	52.83	2.060	2.080
C	8.51	8.89	0.335	0.350
E	2.54	2.79	0.100	0.110
F	2.67	2.92	0.105	0.115
G	61.09 BSC		2.405 BSC	
H	47.88	48.64	1.885	1.915
J	10.67	11.18	0.420	0.440
K	5.84	7.62	0.230	0.300
L	45.34	46.10	1.785	1.815
N	40.26	41.02	1.585	1.615
Q	3.45	3.71	0.136	0.146
R	20.32	20.57	0.800	0.810
S	17.02	17.53	0.670	0.690
T	2.98	3.24	0.1175	0.1275
U	12.32	13.08	0.485	0.515
V	9.78	10.54	0.385	0.415
W	4.70	5.46	0.185	0.215
X	2.16	2.92	0.085	0.115

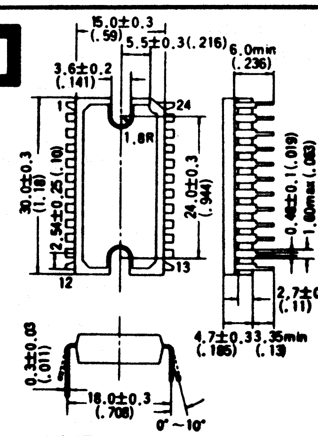
STYLE 1:
PIN 1. RF OUTPUT
2. GROUND
3. D.C. TERMINAL
4. GROUND
5. D.C. GAIN
6. GROUND
7. RF INPUT

MP528



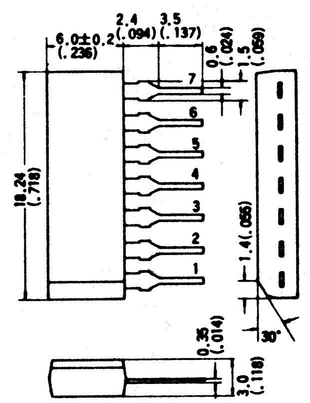
PIN NOS	A	B	C	D
MP528	1	11	22	12
MP528a			11	1
MP528b			1	11

MP529



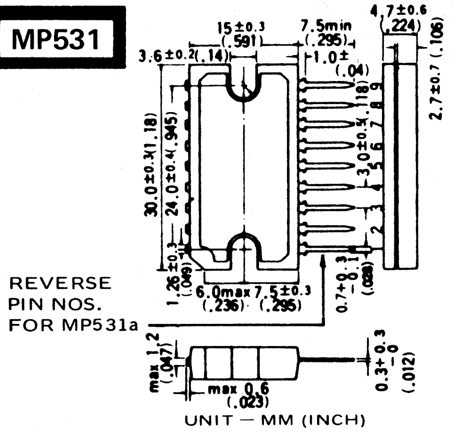
UNIT — MM (INCH)

MP530

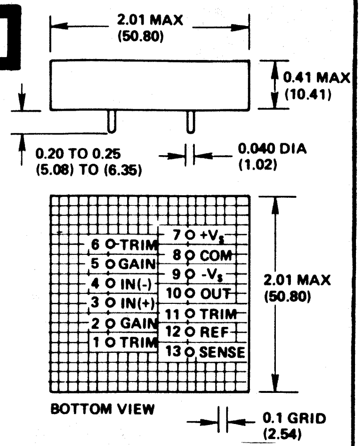


UNIT — MM (INCH)

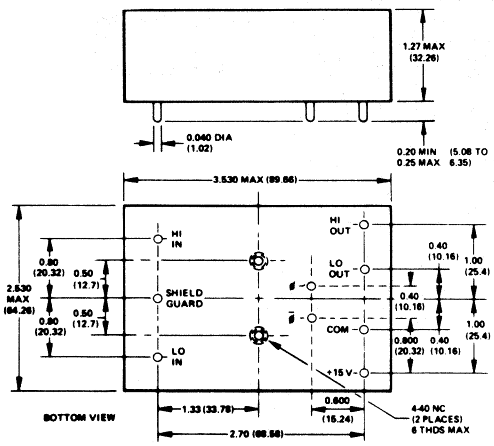
MP531



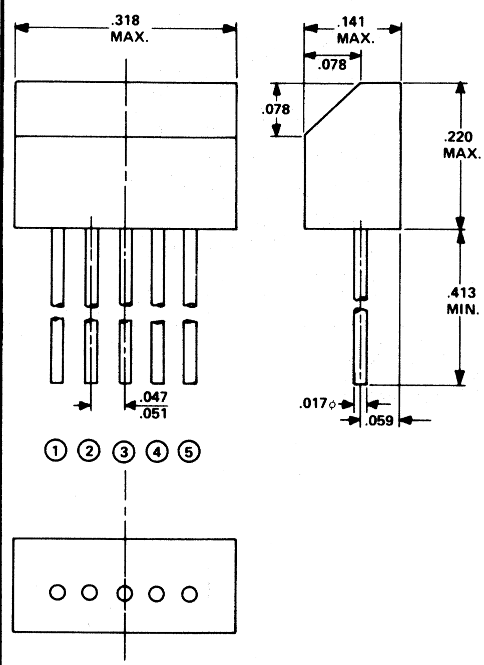
MP532



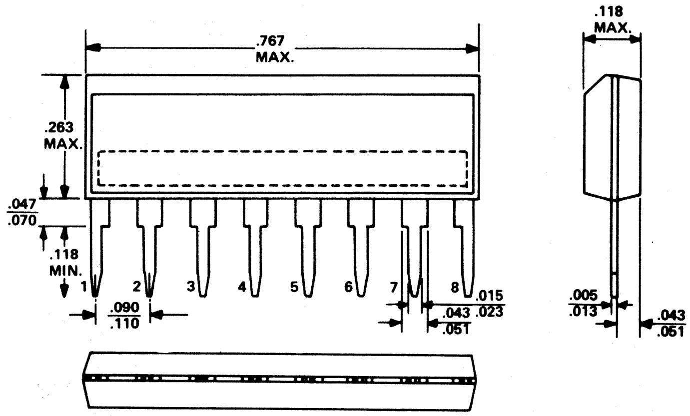
MP533



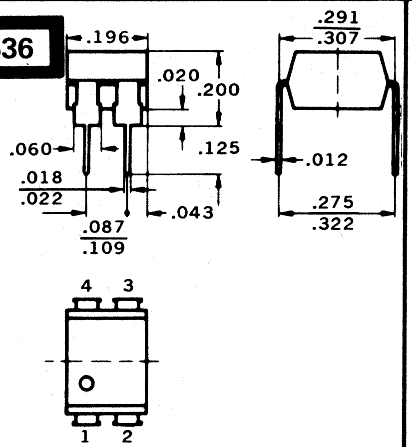
MP534



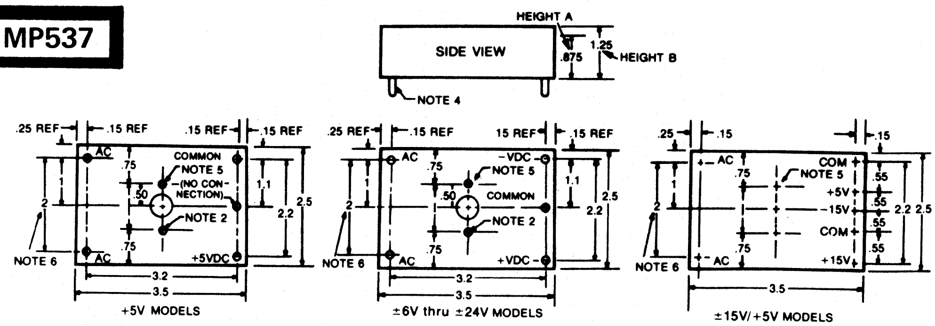
MP535



MP536

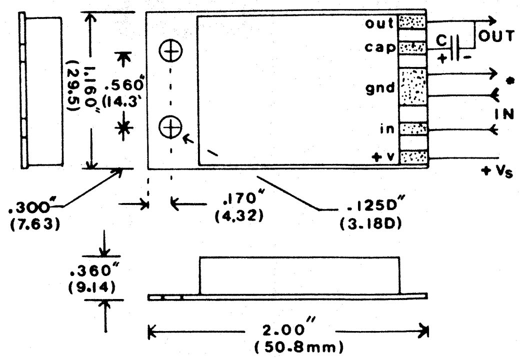


MP537



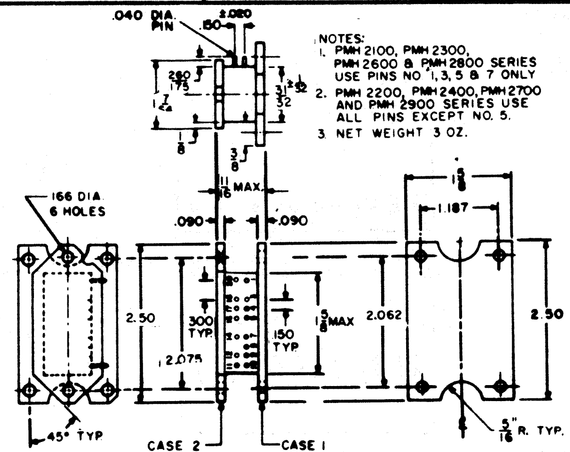
NOTES:
4. Pins, 040 DIA. X .21g min
5. TWO MOUNTING INSERTS, #4-40 X .10 dp min.
6. FOR 2.2 INCH SPACING ADD SUFFIX C

MP538



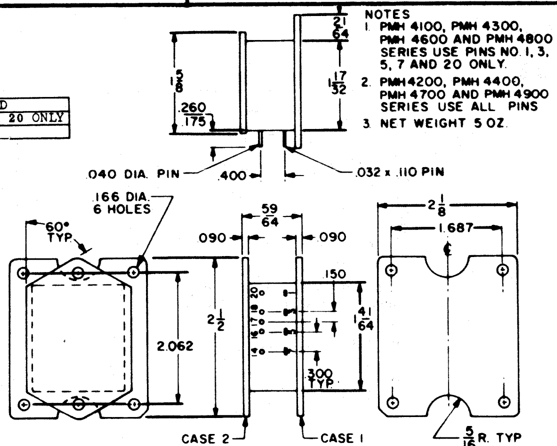
MP539

	PINS USED
MP539	1,3,5 and 7 ONLY
MP539a	ALL EXCEPT PIN 5



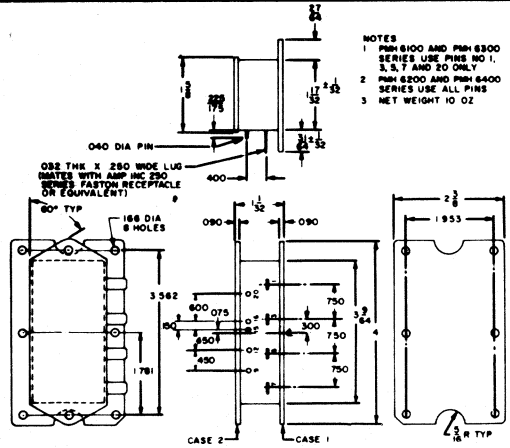
MP540

	PINS USED
MP540	1,3,5,7 and 20 ONLY
MP540a	ALL PINS

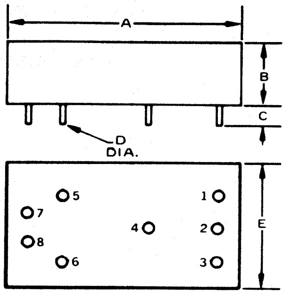


MP541

	PINS USED
MP541	1,3,5,7 and 20 ONLY
MP541a	ALL PINS

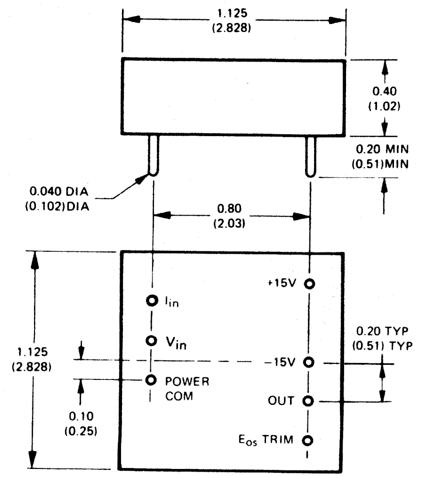


MP542



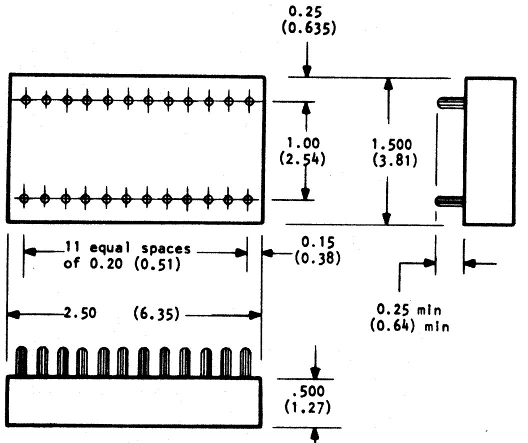
	A	B	C	D	E	PIN NO. 1	2	3	4	5	6	7	8
MP542	2.71	.750	.200 MIN	.040	1.51	+15	COM	-15	OUT	TRIM	RMS	X	Y
MP542a	2.02	.625	.200 MIN	.040	1.145	+VCC	COM	-VCC	OUT	VIN	2	I1n	1

MP543

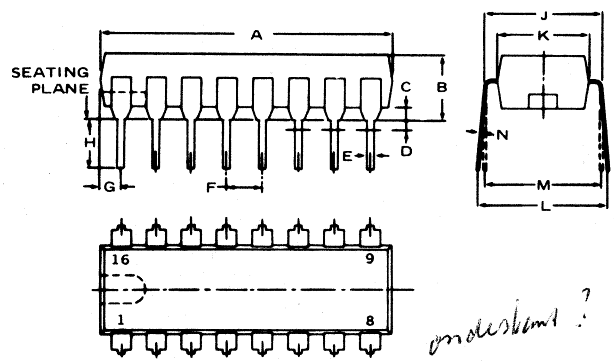


DIMENSIONS IN PARENTHESES ARE EXPRESSED IN CENTIMETERS

MP544



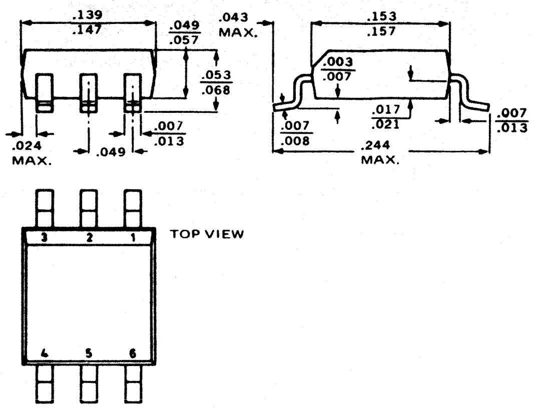
MP545



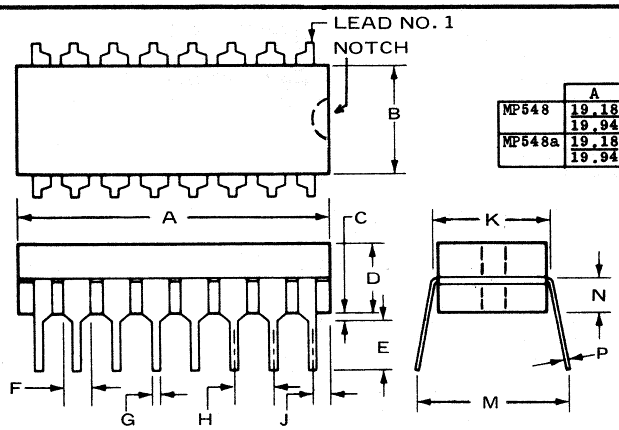
ondeskans ?

	A	B	C	D	E	F	G	H	J	K	L	M	N
MP545	.860 MAX	.200 MAX	.047 MIN	.029	.017	.100	.086 MAX	.117 / .153	.324 MAX	.244 / .255	.299 / .374	.299	.009
MP545a	.795 MAX	.196 MAX	.019 MIN		.015 / .023	.090 / .109		.118 MIN	.298 / .301	.225 MAX		.299 / .393	.007 / .013
MP545b	.866 MAX	.185 MAX	.035 MIN		.018	.090 / .110	.087 MAX	.134 / .154	.325 MAX		.300 / .374	.300	.010
MP545c	.860 MAX	.185 MAX	.035 MIN		.018	.090 / .110		.105 / .154	.325 MAX	.244 / .255	.300 / .374	.300	.010
MP545d	.866 MAX	.185 MAX			.021 MAX	.090 / .110		.138 / .154	.325 MAX	.255 MAX		.295 / .325	.013 MAX

MP546



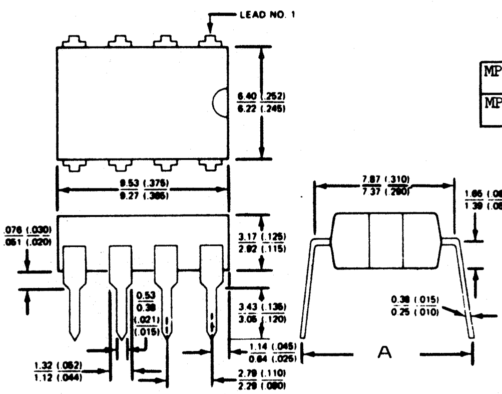
MP548



DIMENSIONS IN "MM"

	A	B	C	D	E	F	G	H	J	K	M	N	P	NOTCH
MP548	19.18 / 19.94	7.11 MAX	.510 / 1.02	3.68 / 4.45	3.18 / 4.19	1.78 MAX	.380 / .580	2.29 / 2.79	.380 / 1.27	7.37 / 8.01	8.26 / 10.03	2.29	.200 / .360	NO
MP548a	19.18 / 19.94	7.67 MAX	.510 / 1.02	3.68 / 4.45	3.18 / 4.19	.760 / 1.78	.380 / .580	2.29 / 2.79	.380 / 1.27	7.37 / 8.13	7.62 / 10.03	2.29	.200 / .360	YES

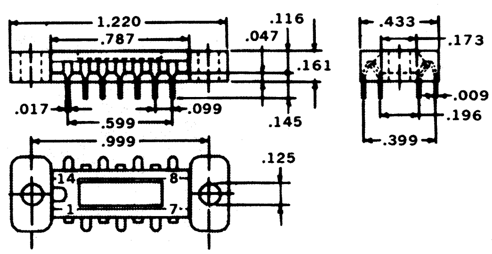
MP549



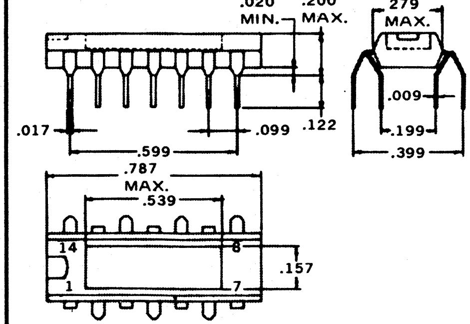
MM (INCH)

	A
MP549	9.53 (3.75) / 8.28 (3.25)
MP549a	10.03 (.395) / 7.62 (.300)

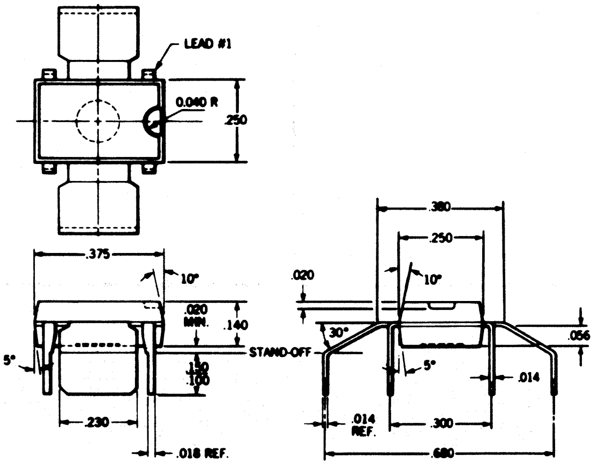
MP550



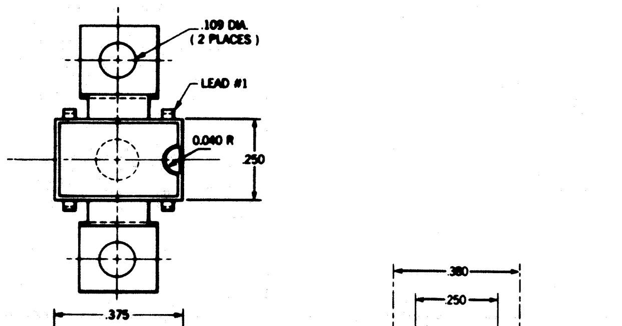
MP551



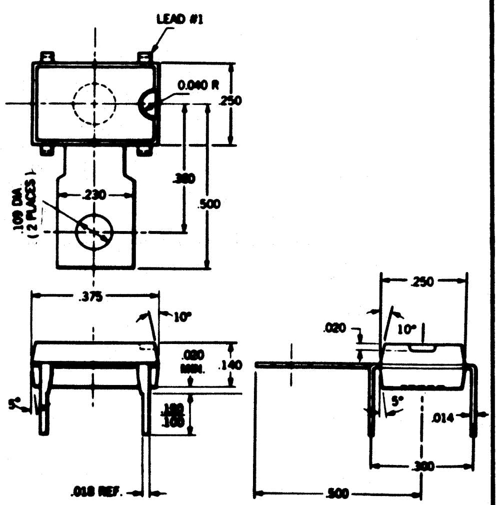
MP552



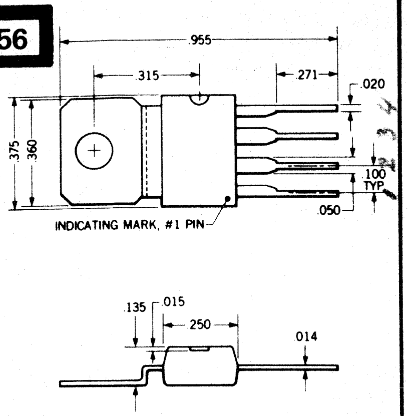
MP553



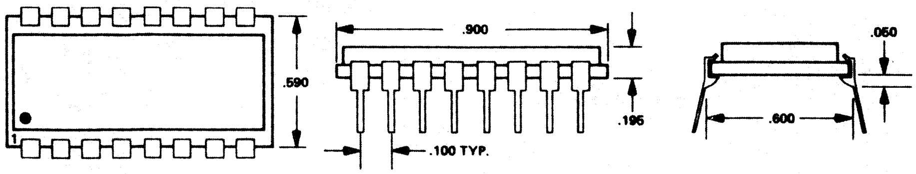
MP554



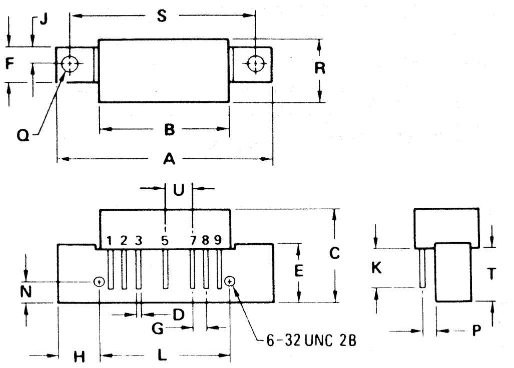
MP556



MP557

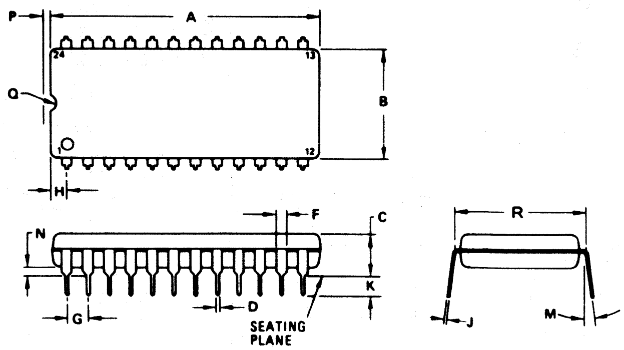


MP558



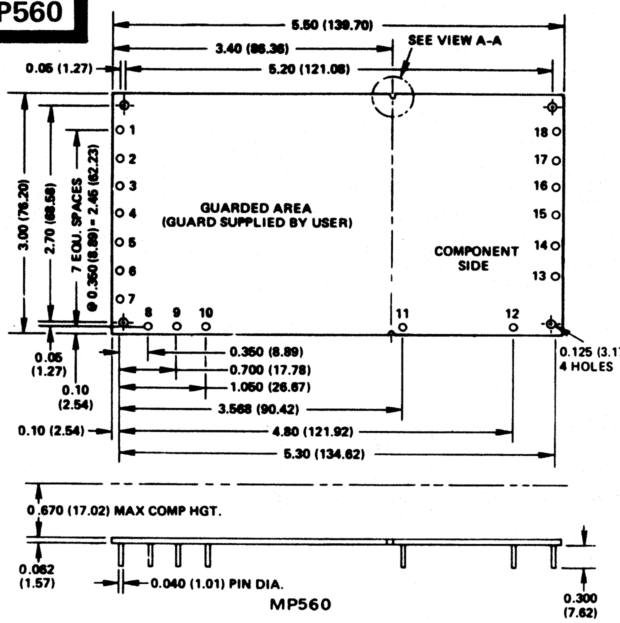
DIM	MILLIMETERS MIN	MILLIMETERS MAX	INCHES MIN	INCHES MAX
A	–	45.08	–	1.775
B	26.42	26.92	1.040	1.060
C	20.57	21.34	0.810	0.840
D	0.46	0.56	0.018	0.022
E	11.81	12.95	0.465	0.510
F	7.87	8.13	0.310	0.320
G	2.41	2.67	0.095	0.105
H	9.65	9.78	0.380	0.385
J	3.96 BSC		0.156 BSC	
K	9.65	10.41	0.380	0.410
L	25.40 BSC		1.000 BSC	
N	4.06	4.32	0.160	0.170
P	2.16	2.92	0.085	0.115
Q	3.81	4.06	0.150	0.160
R	–	15.11	–	0.595
S	38.10 BSC		1.500 BSC	
T	11.05	11.43	0.435	0.450
U	4.95	5.21	0.195	0.205

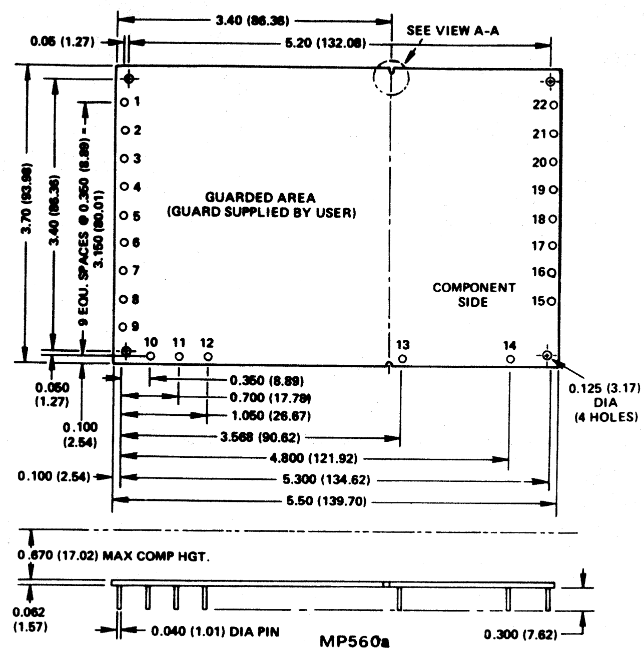
MP559

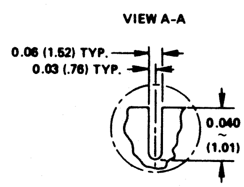


	A	B	C	D	F	G	H	J	K	M	N	P	Q	R
MP559	1.240 / 1.265	.520 / .540	.185 / .205	.015 / .020	.040 / .060	.100 BSC	.065 / .085	.008 / .012	.115 / .135	10°	.020 / .040	.005 / .015	.020 / .030	.590 / .610
MP559a	1.230 / 1.270	.500 / .540	.160 / .220	.016 / .020	.050 / .060	.100 BSC		.008 / .012	.125 / .160	5° / 15°	.020 / .050			.600 BSC

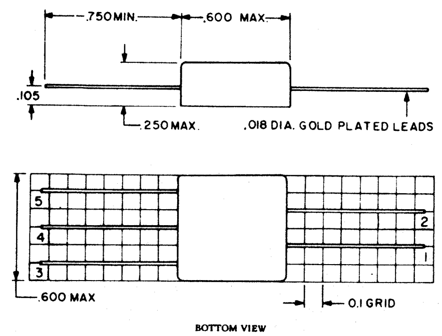
MP560



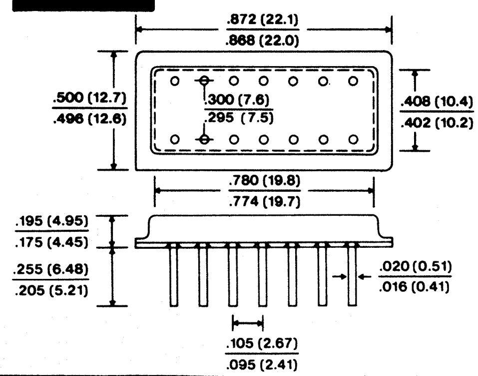




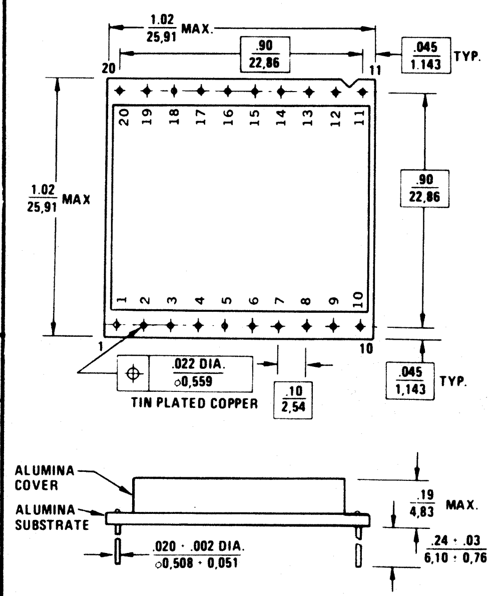
MP561



MP562

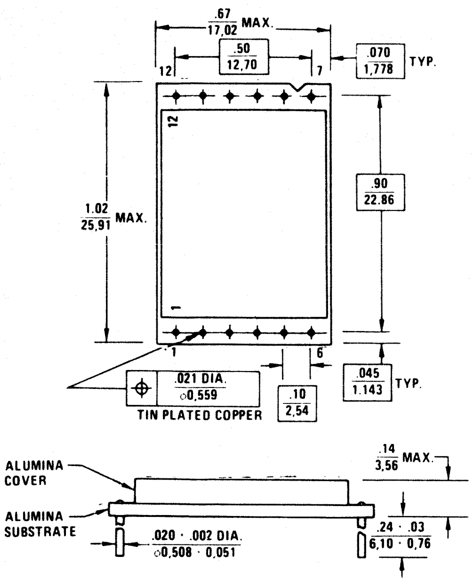


MP563

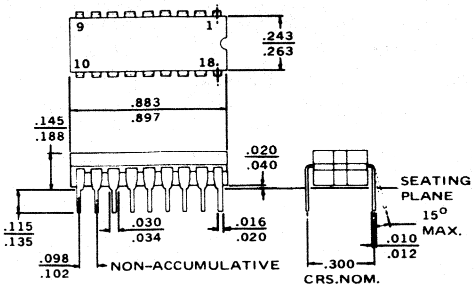


	PINS IN USE
MP563	2,4,5,6,7,8,9,10,11,13,18,19,20
MP563a	2,4,6,7,8,9,10,11,12,13,19,20
MP563b	2,4,6,7,8,9,10,11,12,13,14,19,20
MP563c	1,2,3,5,7,8,9,10,11,12,13,14,15,16,19,20

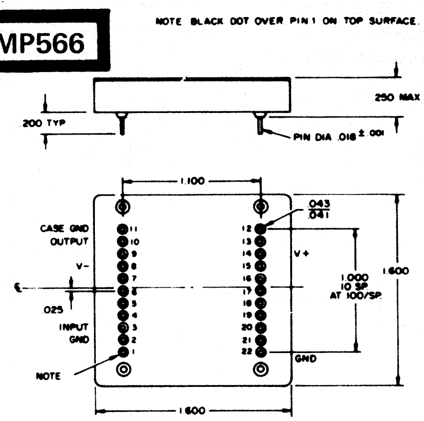
MP564



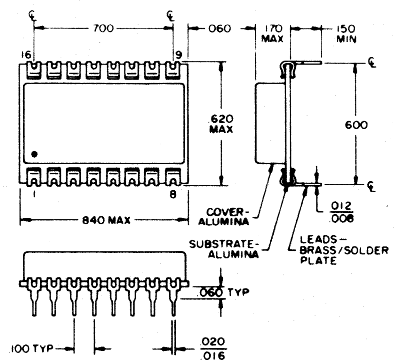
MP565



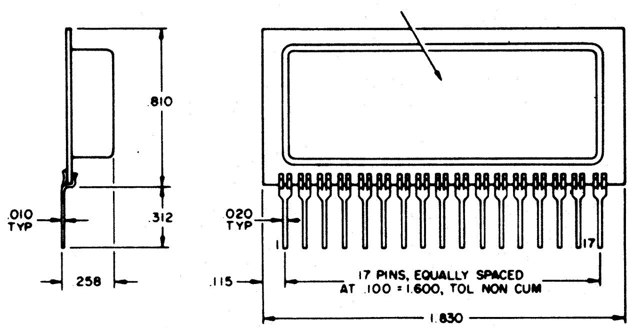
MP566



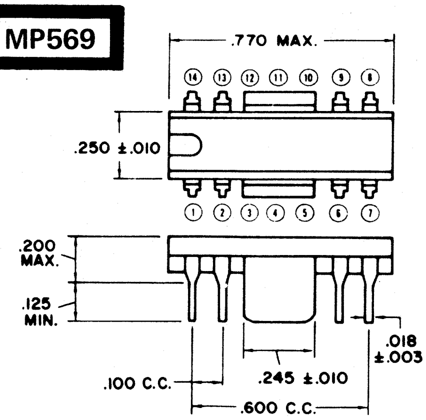
MP567



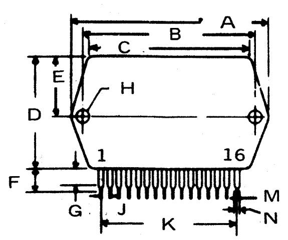
MP568

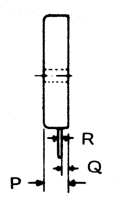


MP569

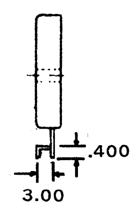


MP571





MP571



MP571a

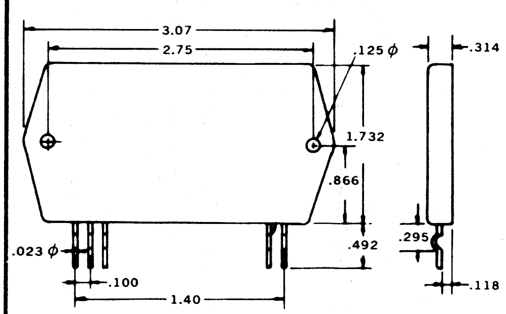
DIMENSIONS IN "MM"

	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R
MP571	86.7	78.7	72.7	51.3	25.6	6.96	11.9	1.97 / 3.18	3.97	59.8	1.97	.980	10.9	2.98	.480
MP571a	76.0	70.0	70.0	26.0	13.0	5.00		3.40	2.54	38.1		.600	8.00	3.00	.600

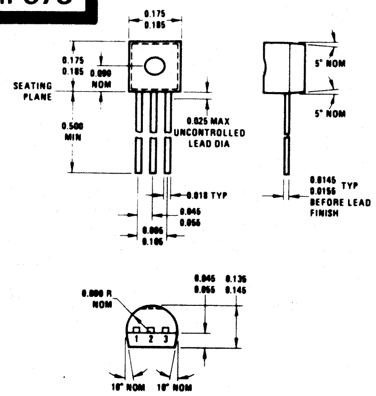
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

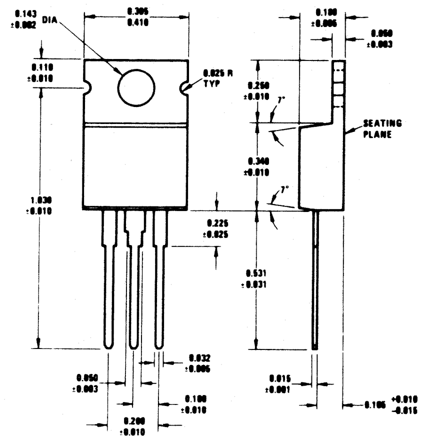
MP572



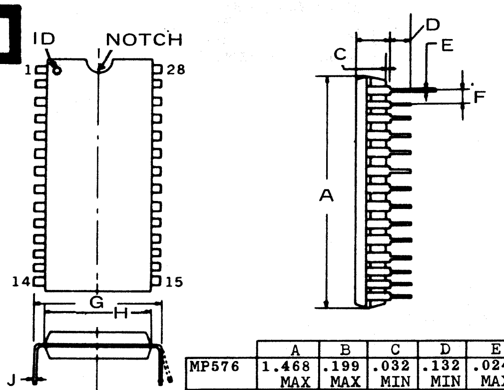
MP573



MP575

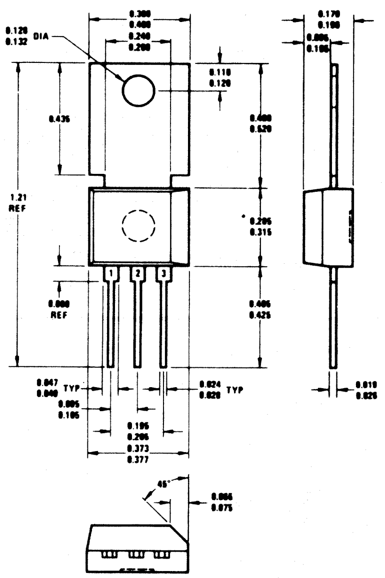


MP576

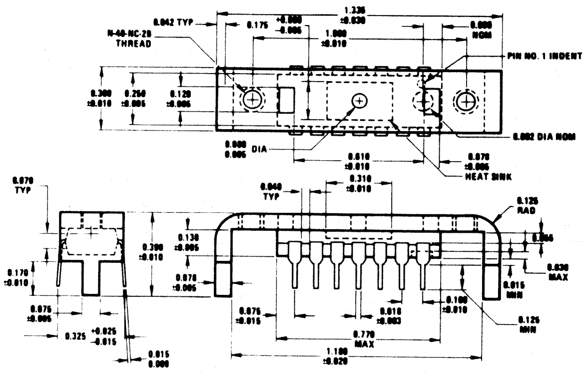


	A	B	C	D	E	F	G	H	J	REMARKS
MP576	1.468 MAX	.199 MAX	.032 MIN	.132 MIN	.024 MAX	.090 .109	.600	.539	.013 MAX	NOTCH ONLY
MP576a	1.430 1.470	.180 .200	.020 .040	.120 .140	.015 .020	.095 .105	.590 .610	.540 .560	.008 .012	PIN 1 ID ONLY

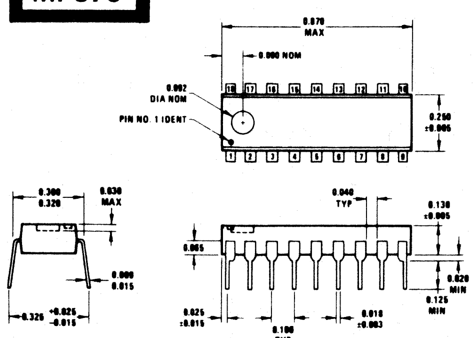
MP577



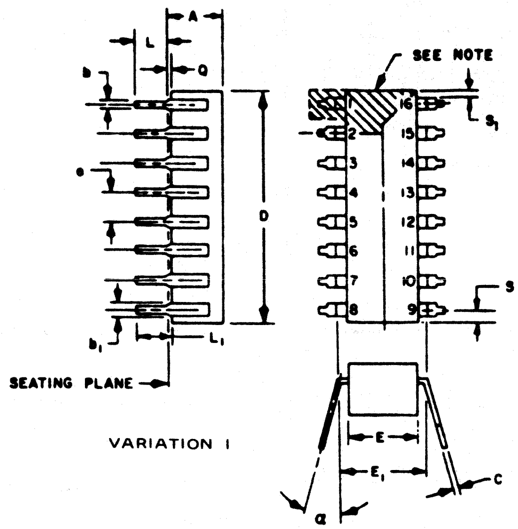
MP578



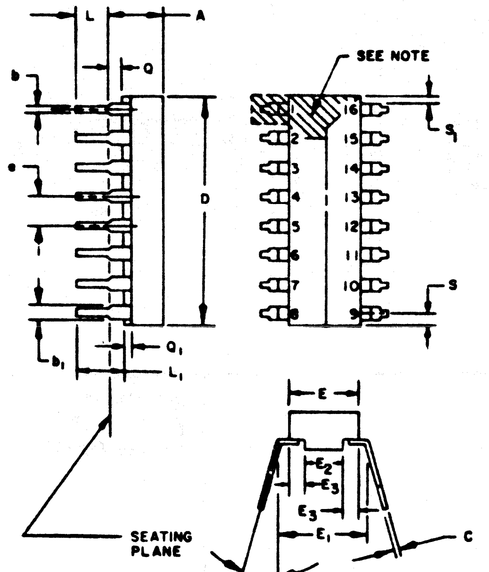
MP579



MP580

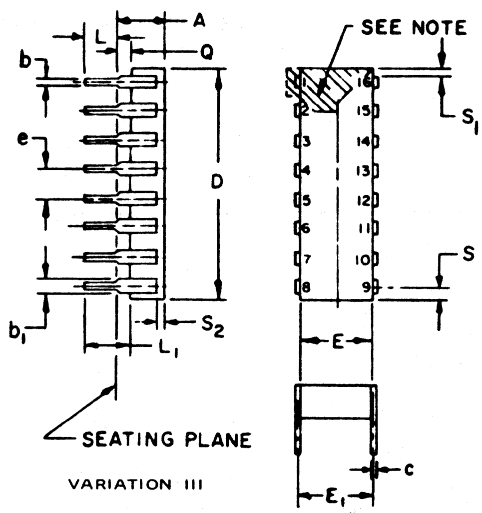


VARIATION I



VARIATION II

SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN	MAX	MIN	MAX	
A		.200		5.08	
b	.014	.023	.36	.58	8
b_1	.030	.070	.76	1.78	2, 8
c	.008	.015	.20	.38	8
D		.896		22.76	4
E	.220	.310	5.59	7.87	4
E_1	.290	.320	7.37	8.13	7
E_2	.100		2.54		
E_3	.050		1.27		
e	.100 BSC		2.54 BSC		5, 9
L	.125	.200	3.18	5.08	
L_1	.150		3.81		
Q	.015	.060	.38	1.52	3
Q_1	.020		.51		
S		.098		2.49	6
S_1	.005		.13		6
S_2	.005		.13		8
α	0°	15°	0°	15°	

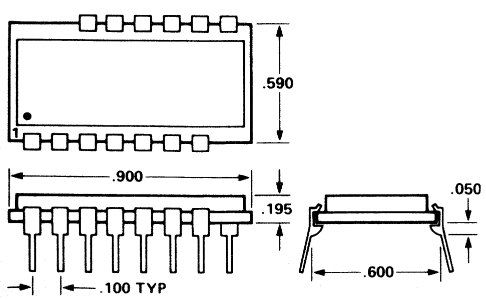


SEATING PLANE

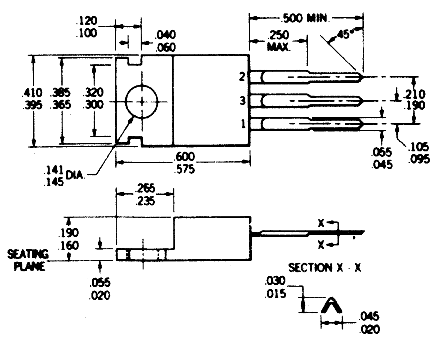
VARIATION III

NOTE: INDEX AREA;
NOTCH OR PIN 1
IDENTIFICATION

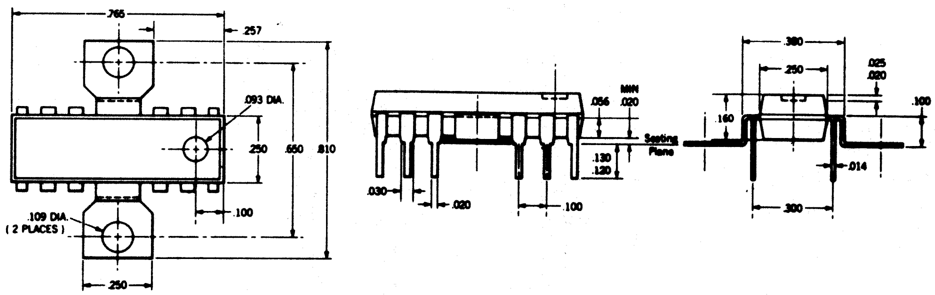
MP581



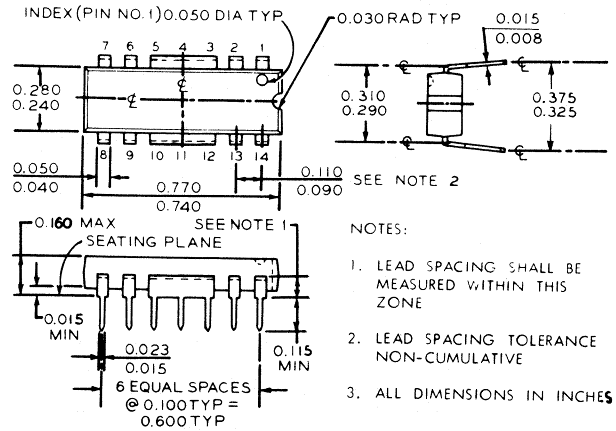
MP582



MP583



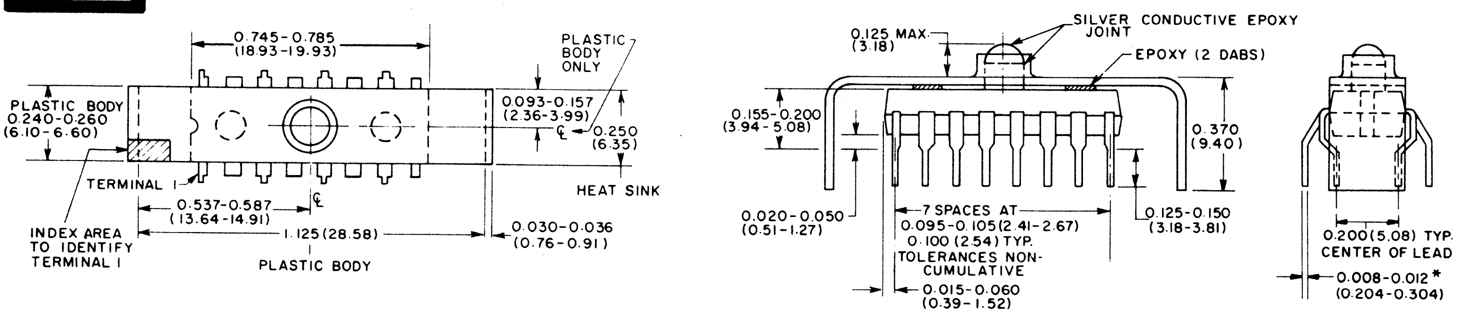
MP584



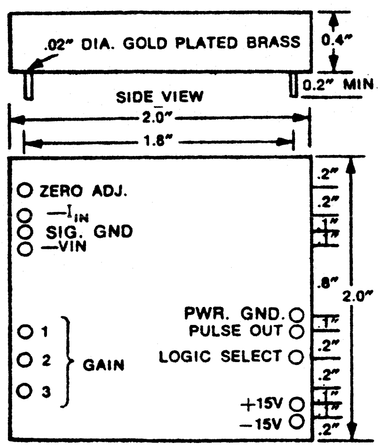
NOTES:

1. LEAD SPACING SHALL BE MEASURED WITHIN THIS ZONE
2. LEAD SPACING TOLERANCE NON-CUMULATIVE
3. ALL DIMENSIONS IN INCHES

MP585

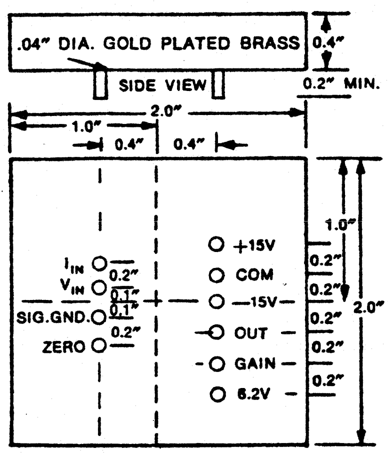


MP586



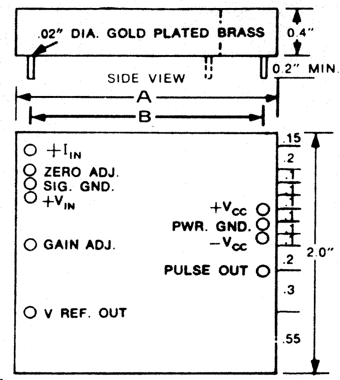
BOTTOM VIEW

MP587



BOTTOM VIEW

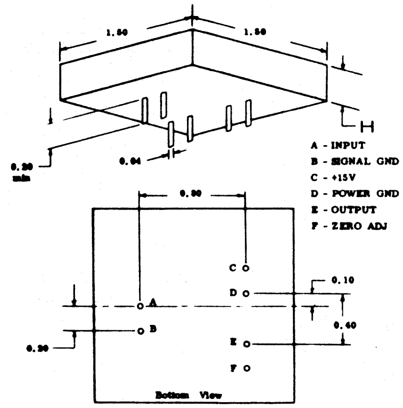
MP588



BOTTOM VIEWS

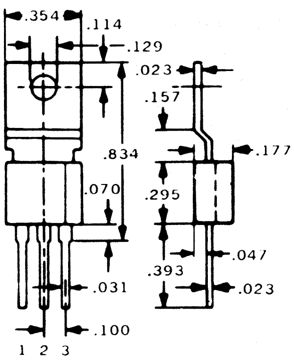
	A	B
MP588	2.00	1.80
MP588a	1.50	

MP589

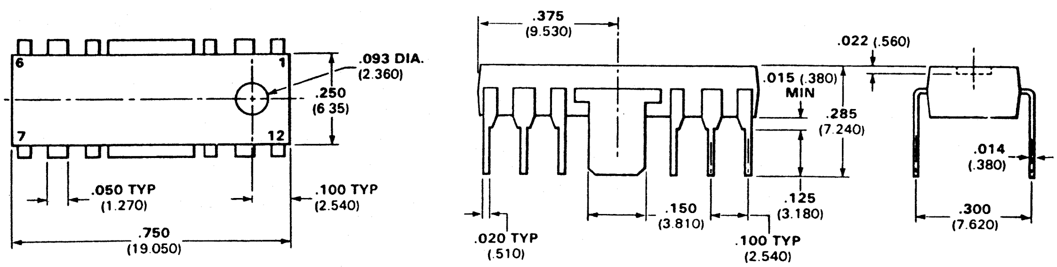


	H
MP589	0.40
MP589a	0.375

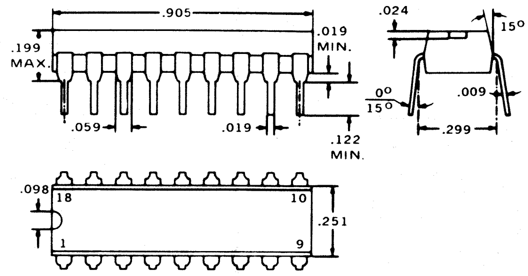
MP590



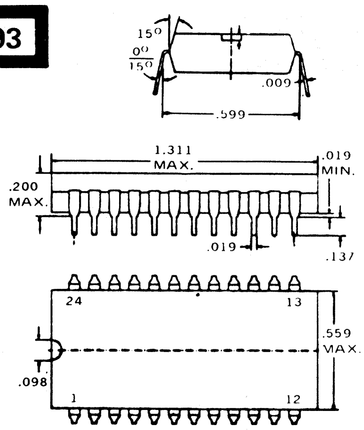
MP591



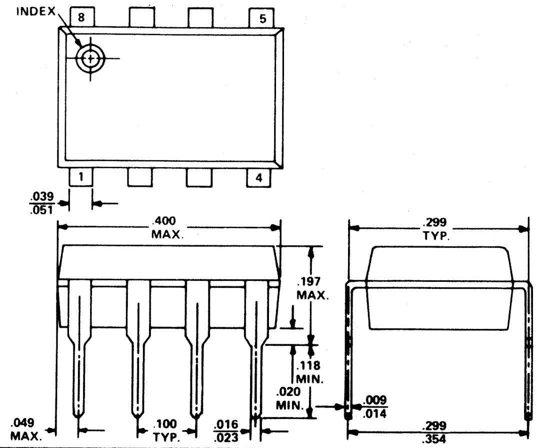
MP592



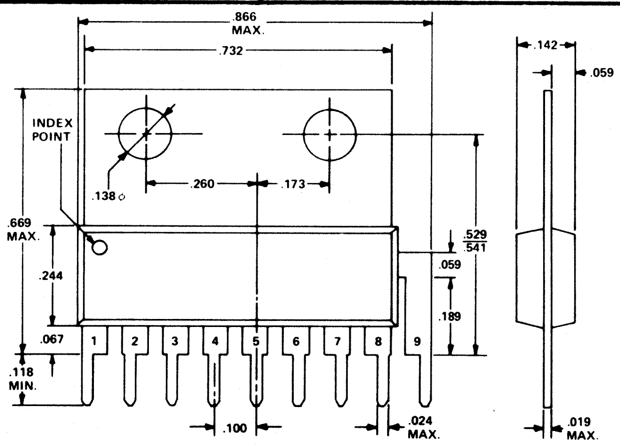
MP593



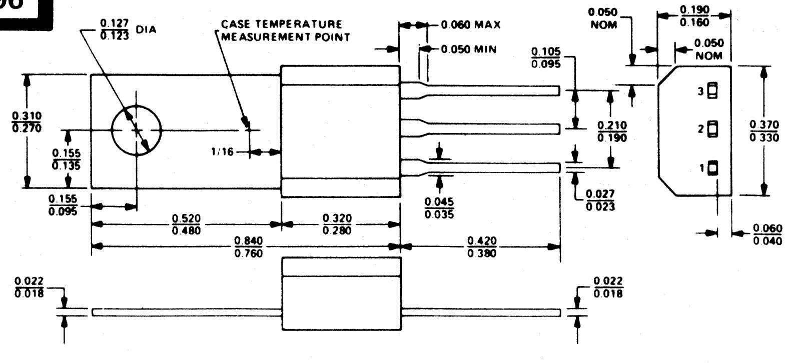
MP594



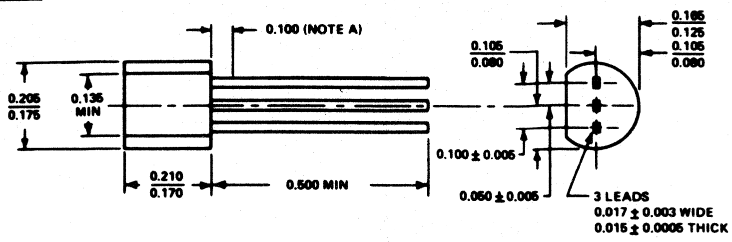
MP595



MP596

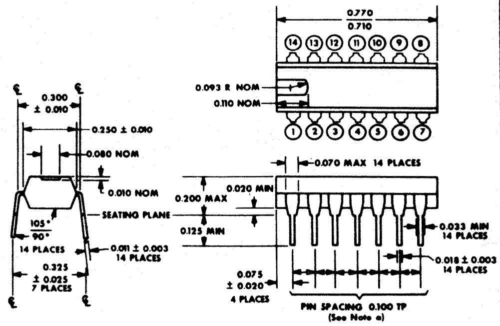


MP597

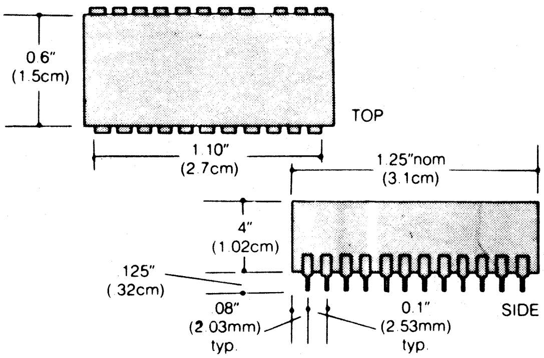


NOTES: A. Lead dimensions are not controlled in this area.

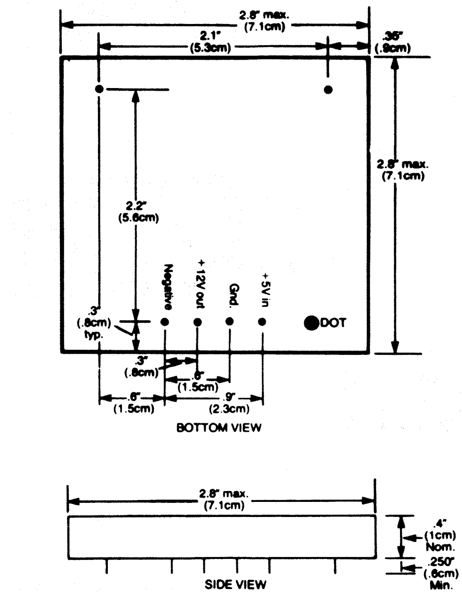
MP598



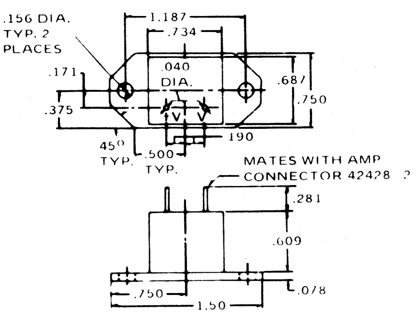
MP599



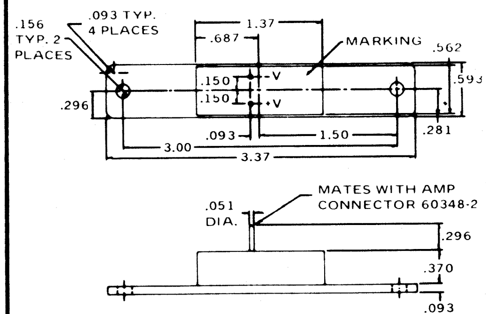
MP600



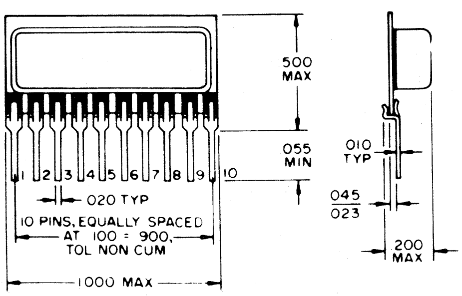
MP601



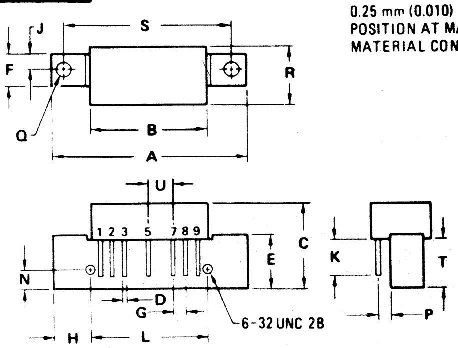
MP602



MP603



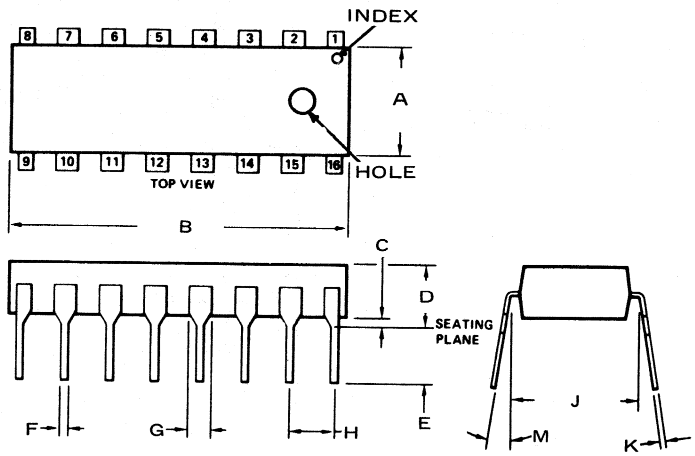
MP604



NOTE:
1. MOUNTING HOLES WITHIN 0.25 mm (0.010) DIA OF TRUE POSITION AT MAXIMUM MATERIAL CONDITION.

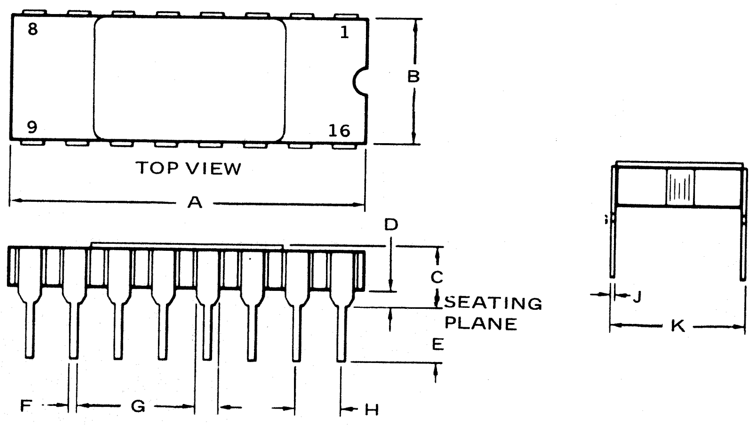
DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	–	45.08	–	1.775
B	26.42	26.92	1.040	1.060
C	20,57	21.34	0.810	0.840
D	0.46	0.56	0.018	0.022
E	11.81	12.95	0.465	0.510
F	7.87	8.13	0.310	0.320
G	2.41	2.67	0.095	0.105
H	9.65	9.78	0.380	0.385
J	3.96 BSC		0.156 BSC	
K	9.65	10.41	0.380	0.410
L	25.40 BSC		1.000 BSC	
N	4.06	4.32	0.160	0.170
P	2.16	2.92	0.085	0.115
Q	3.81	4.06	0.150	0.160
R	–	15.11	–	0.595
S	38.10 BSC		1.500 BSC	
T	11.05	11.43	0.435	0.450
U	4.95	5.21	0.195	0.205

MP605



	A	B	C	D	E	F	G	H	J	K	M	REMARKS
MP605	.230 / .270	.700 / .785	.020 / .050	.110 / .200	.125 / .150	.015 / .023	.030 / .070	.090 / .110	.290 / .310	.008 / .012	0° / 15°	
MP605a	.240 / .260	.740 / .760	.015 NOM	.200 MAX	.100 / .150	.016 / .020	.045 / .065	.090 / .110	.290 / .310	.009 / .011		HOLE INDEX
MP605b	.255 / .265	.870 MAX	.020 MIN	.145 / .155	.125 MIN	.015 / .021		.100	.300 / .320	.009 / .015		HOLE INDEX

MP606

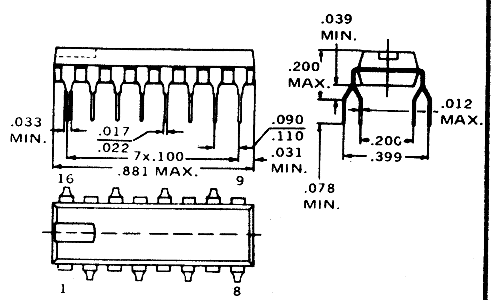


DIMENSIONS IN "MM"

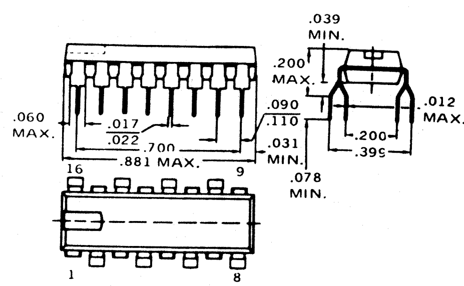
TOLERANCE NON-ACCUMULATIVE

	A	B	C	D	E	F	G	H	J	K
MP606	17.5 / 21.1	6.99 / 7.87	2.54 / 5.08	.510 / 1.27	3.18 / 4.06	.380 / .580	1.02 / 1.78	2.29 / 2.79	.200 / .310	7.37 / 8.13
MP606a	16.26 / 19.96	5.59 / 7.87	5.08 MAX	.380 / 2.03	3.18 / 5.80	.360 / .580	.760 / 1.78	2.29 / 2.79	.200 / .380	7.37 / 8.13

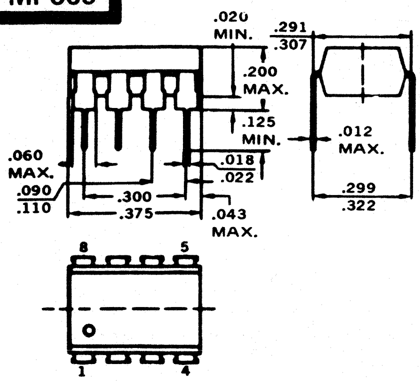
MP607



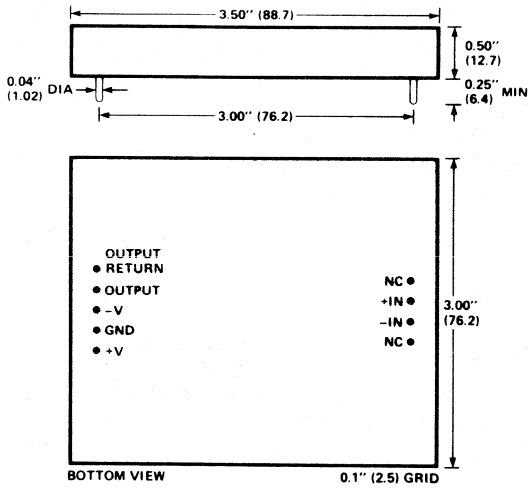
MP608



MP609

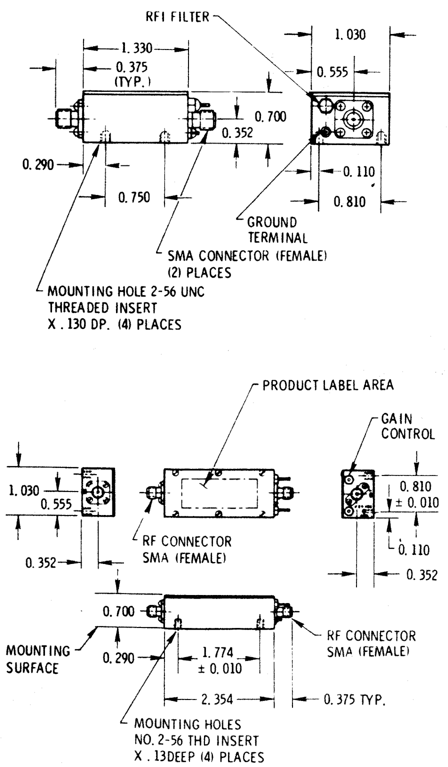


MP610

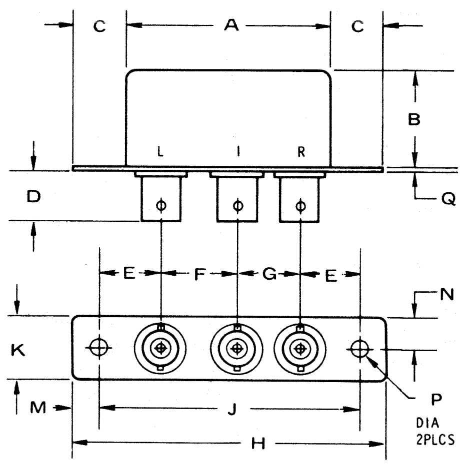


Dimension in inches (millimeters)

MP611

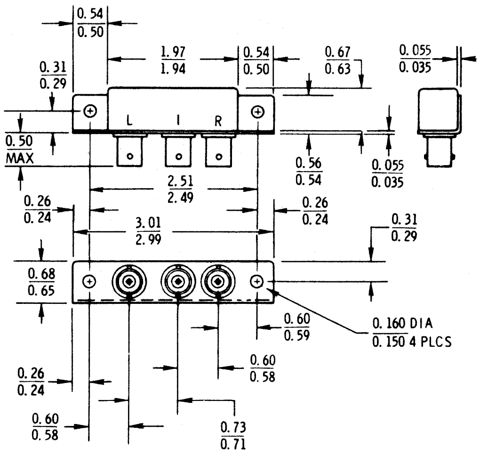


MP612

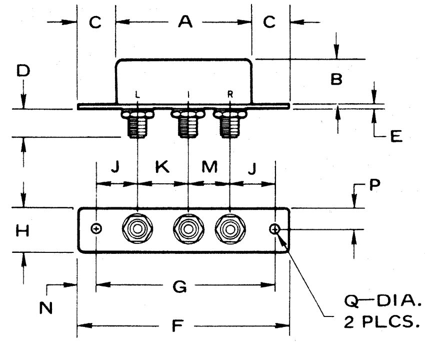


	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
MP612	1.94 / 1.97	.920 / .960	.500 / .540	.500 MAX	.580 / .600	.710 / .730	.590 / .610	2.99 / 3.01	2.49 / 2.51	.580 / .620	.240 / .260	.290 / .310	.150 / .160	.035 / .045
MP612a	2.23 / 2.27	.930 / .970	.490 / .530	.600 MAX	.620 / .660	.820 / .840	.650 / .670	3.26 / 3.28	2.76 / 2.78	.740 / .780	.240 / .260	.370 / .390	.150 / .160	.058 / .068

MP613

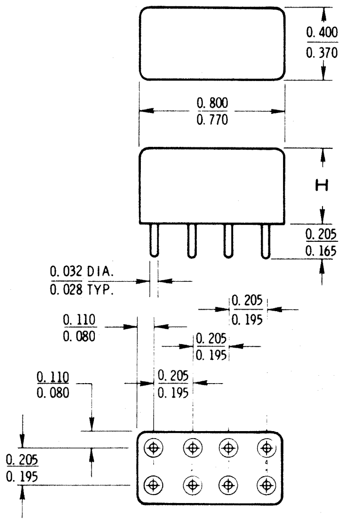


MP614



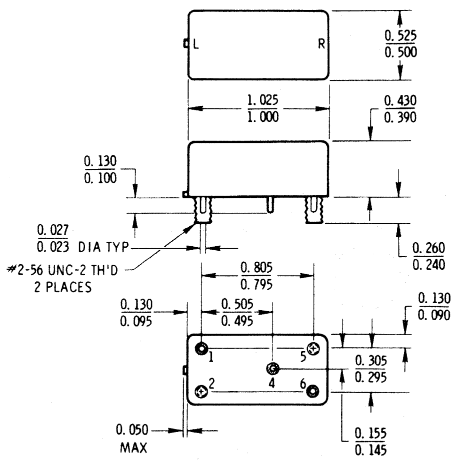
	A	B	C	D	E	F	G	H	J	K	M	N	P	Q
MP614	1.94 / 1.97	.630 / .670	.500 / .540	.410 MAX	.030 / .065	2.99 / 3.01	2.49 / 2.51	.580 / .620	.580 / .600	.710 / .730	.590 / .610	.240 / .260	.290 / .310	.150 / .160
MP614a	1.05 / 1.07	.480 / .520	.410 / .430	.300 MAX	.025 / .035	1.89 / 1.91	1.49 / 1.51	.440 / .480	.360 / .380	.400 / .420	.330 / .350	.190 / .210	.220 / .240	.135 / .145

MP615

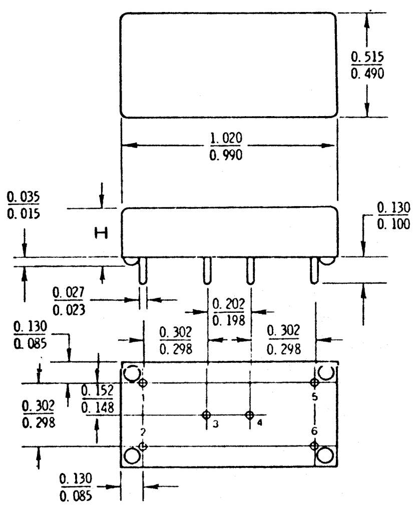


	H
MP615	.400 / .425
MP615a	.190 / .210

MP616

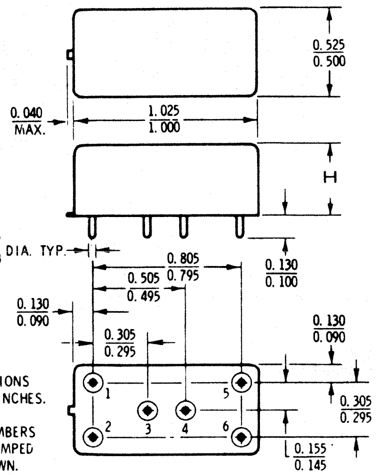


MP617



	H
MP617	.240 / .280
MP617a	.410 / .450

MP618

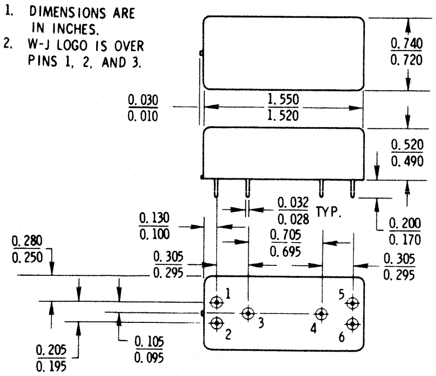


NOTES:
1. DIMENSIONS ARE IN INCHES.
2. PIN NUMBERS ARE STAMPED AS SHOWN.

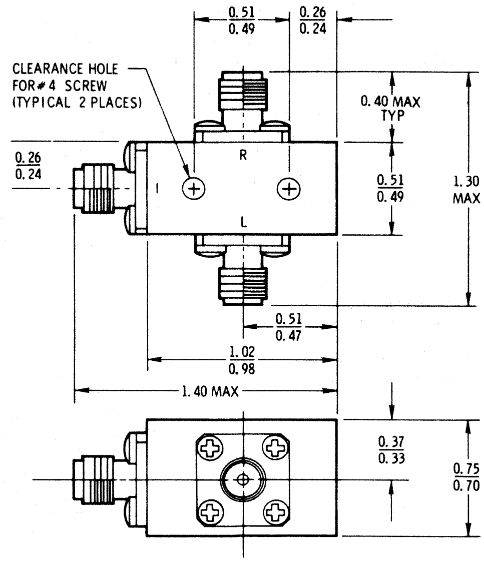
	H
MP618	.390 .430
MP618a	.240

MP619

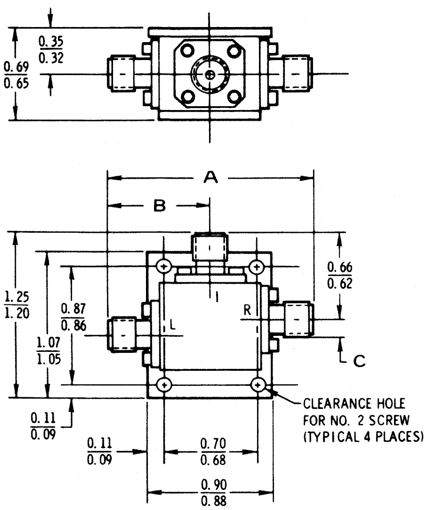
NOTES:
1. DIMENSIONS ARE IN INCHES.
2. W-J LOGO IS OVER PINS 1, 2, AND 3.



MP620

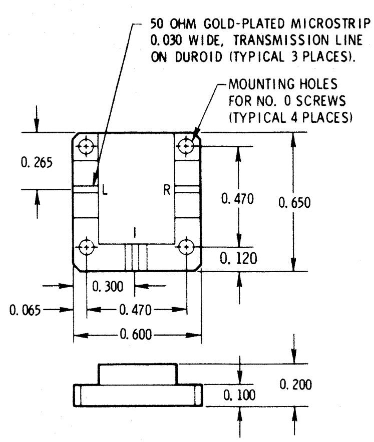


MP621

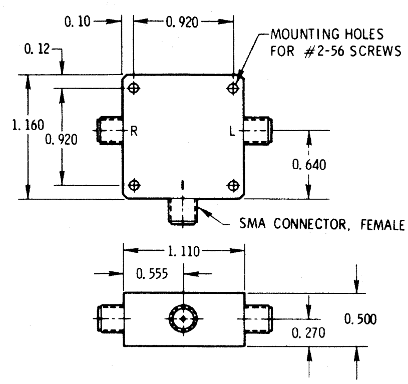


	A	B	C
MP621	1.480 1.520	.740 .760	.100 .130
MP621a	1.340 1.380	.690 .710	.060 .080

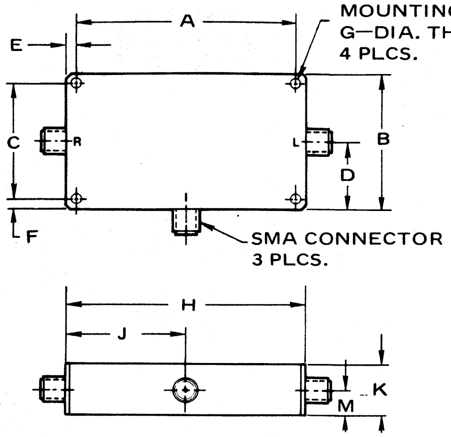
MP622



MP623

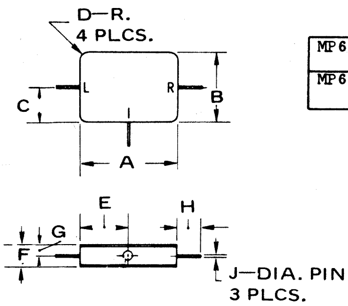


MP624



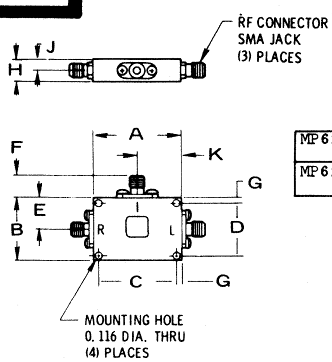
	A	B	C	D	E	F	G	H	J	K	M
MP624	2.10	1.34	1.14	.670	.100	.100	.093	2.30	1.15	.500	.240
MP624a	1.35	.960	.800	.400	.080	.080	.096	1.51	.750	.560	.280

MP625



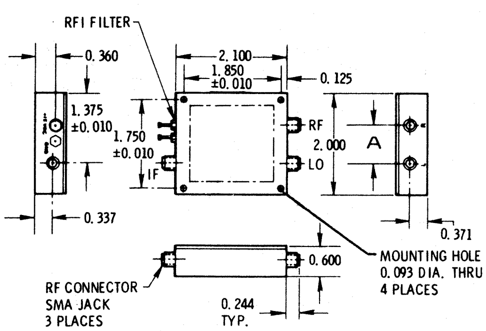
	A	B	C	D	E	F	G	H	J
MP625	1.095 1.110	.735 .750	.370	.060	.550	.190	.095	.150 .200TYP	.017 .019
MP625a	.800	.590	.295	.062	.400	.190	.095	.150 .200TYP	.017 .019

MP626



	A	B	C	D	E	F	G	H	J	K
MP626	1.428	1.068	1.256	.896	.534	.375 TYP	.086	.375	.185	.714
MP626a	1.128	.918	.956	.746	.459	.375 TYP	.086	.378	.188	.564

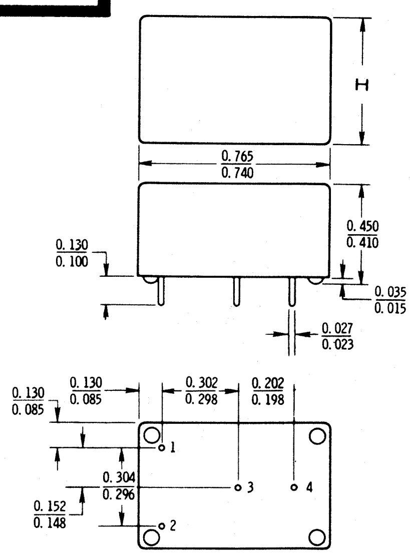
MP628



	A
MP628	.840 .860
MP628a	.740 .760

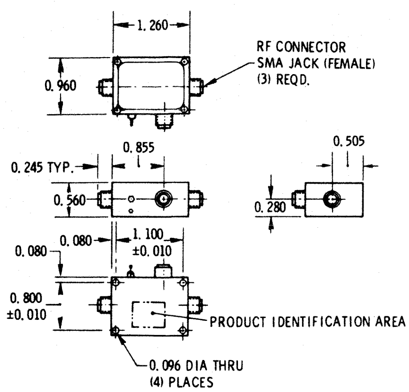
NOTE: DIMENSIONS ARE IN INCHES, TOLERANCES ±0.015 UNLESS OTHERWISE SPECIFIED.

MP627



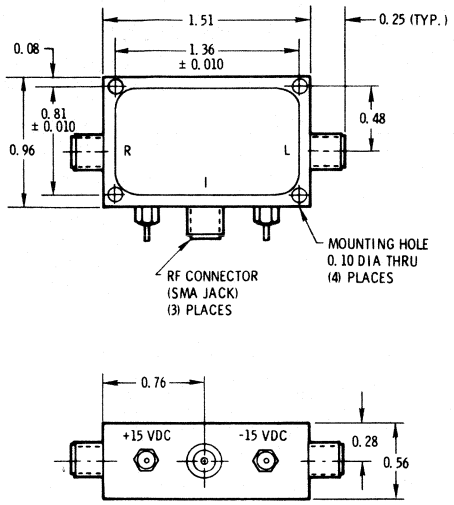
	H
MP627	.410 .450
MP627a	.240 .280

MP629

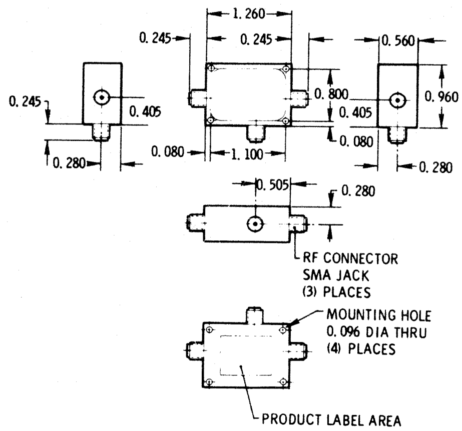


NOTE: DIMENSIONS ARE IN INCHES, TOLERANCES ±0.020 UNLESS OTHERWISE SPECIFIED.

MP630

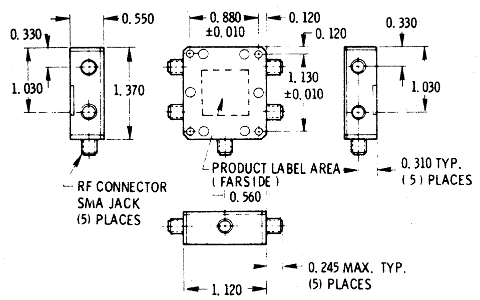


MP631

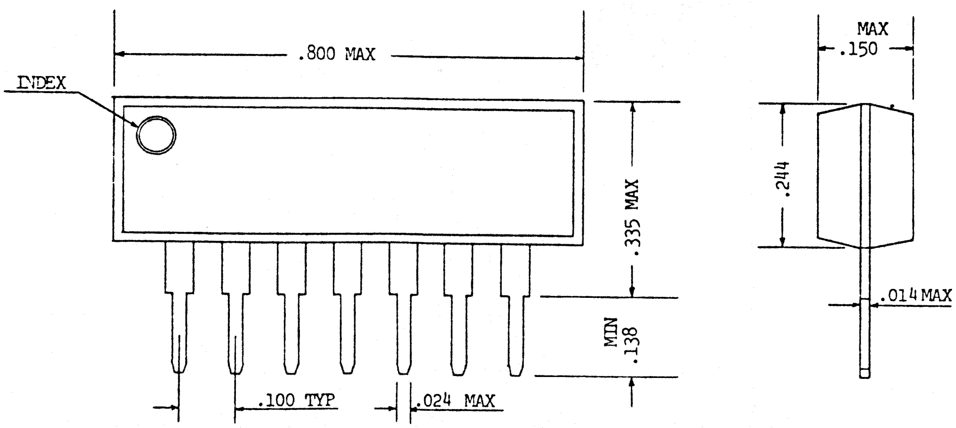


NOTE: DIMENSIONS ARE IN INCHES, TOLERANCES ARE ±0.015 UNLESS OTHERWISE SPECIFIED.

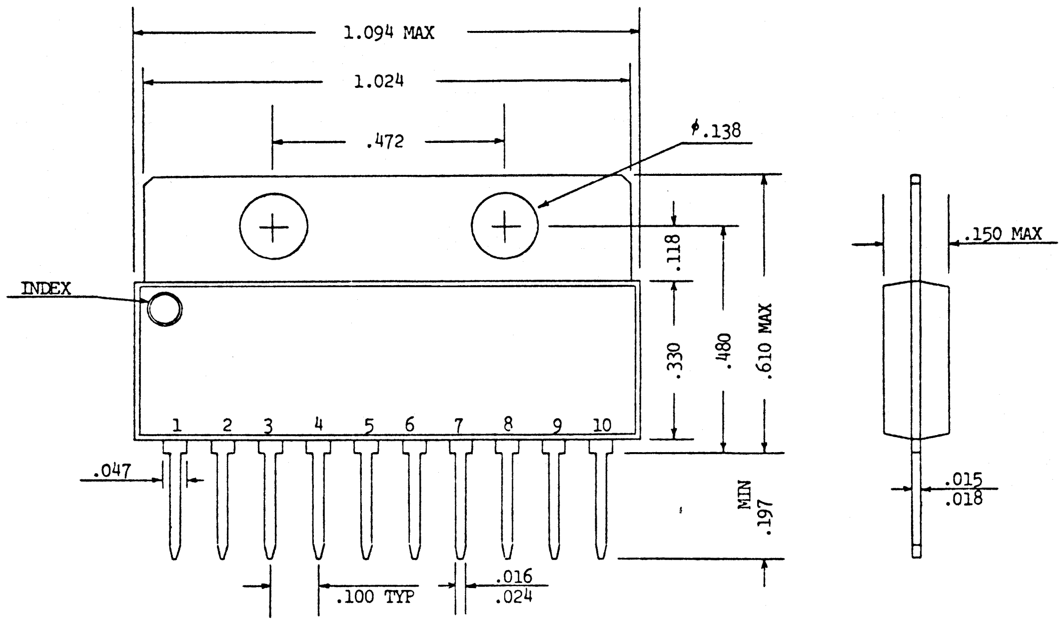
MP632



MP633

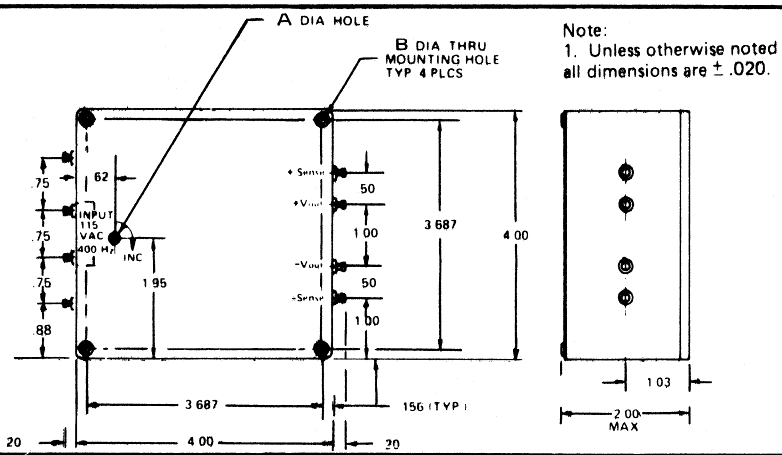


MP634

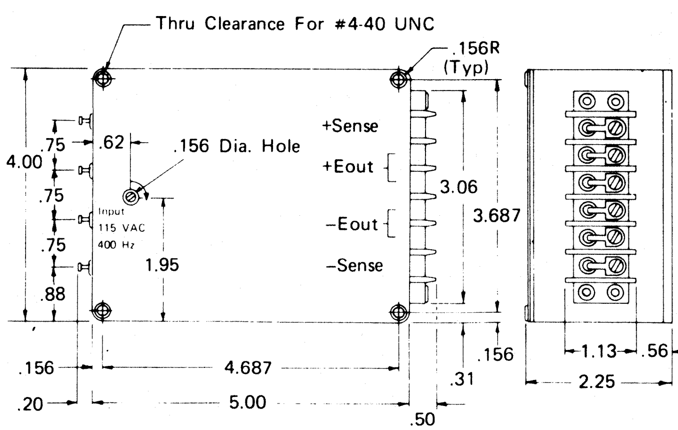


MP635

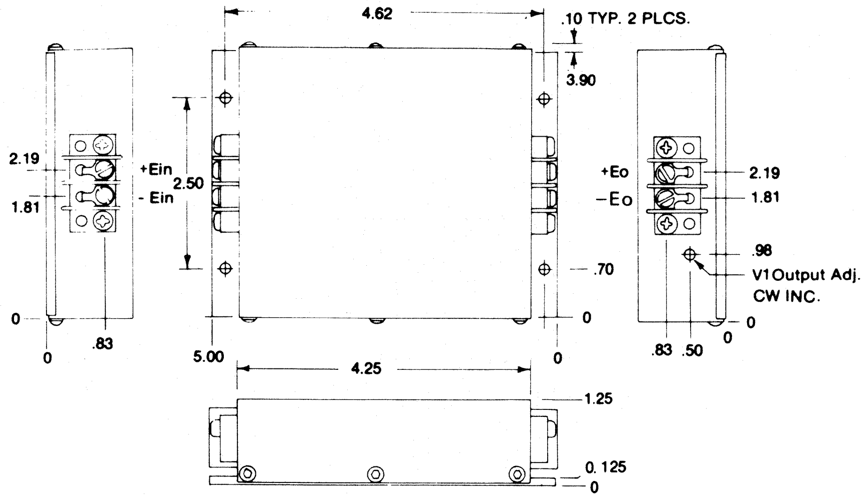
	A	B
MP635	.156	.125
MP635a	.187	.120



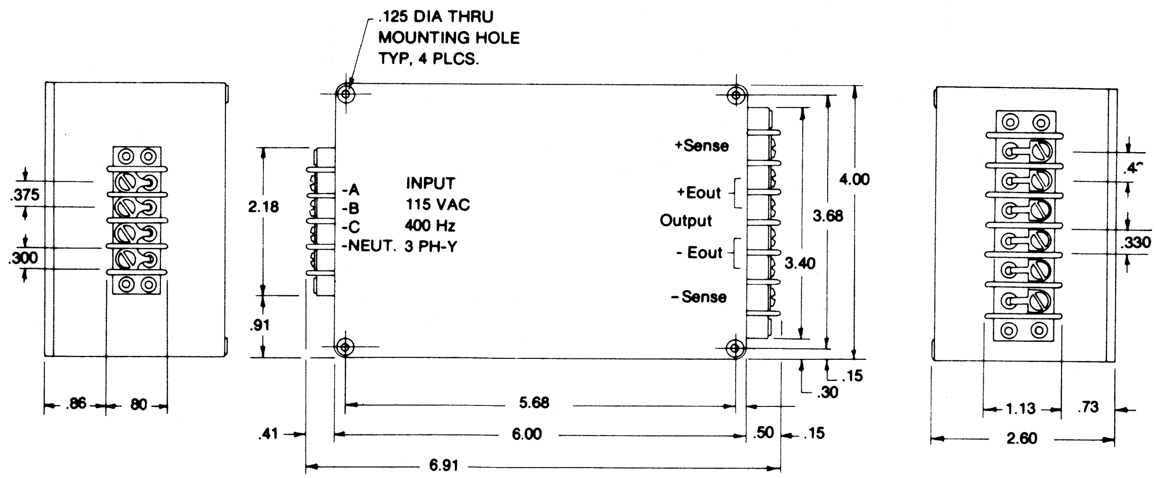
MP636



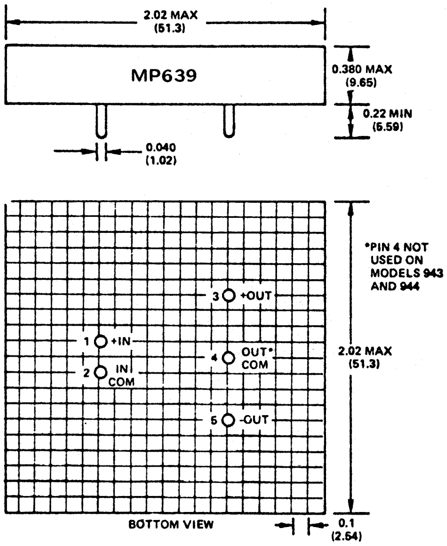
MP637

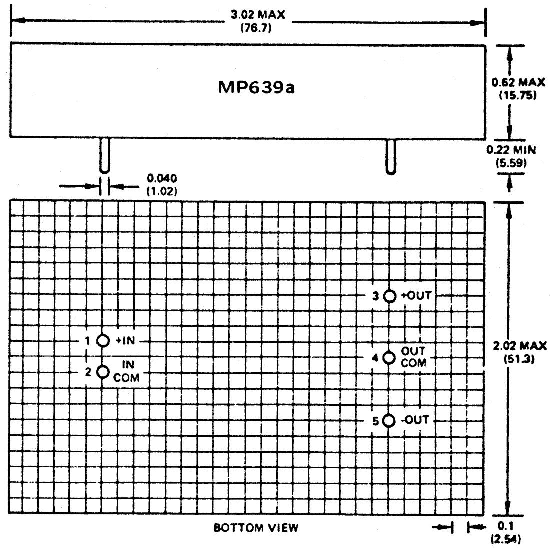

4.62
.10 TYP. 2 PLCS.
3.90
2.19
1.81
+Ein
- Ein
2.50
+Eo
−Eo
2.19
1.81
.98
V1 Output Adj.
CW INC.
.70
0
0
.83
5.00
0
.83
.50
0
4.25
1.25
0.125
0

MP638

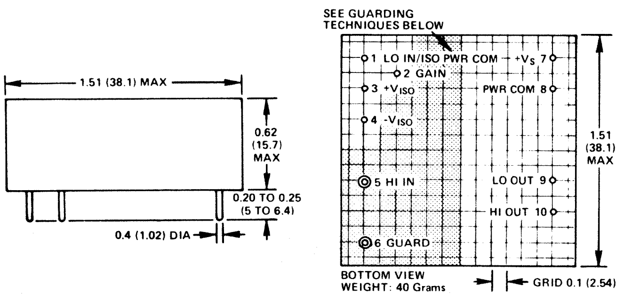

.125 DIA THRU
MOUNTING HOLE
TYP, 4 PLCS.
.375
.300
2.18
-A
-B
-C
-NEUT.
INPUT
115 VAC
400 Hz
3 PH-Y
+Sense
+Eout
Output
- Eout
-Sense
4.00
3.68
3.40
.91
.15
.30
.330
.86
80
5.68
.41
6.00
.50
.15
6.91
1.13
.73
2.60

MP639

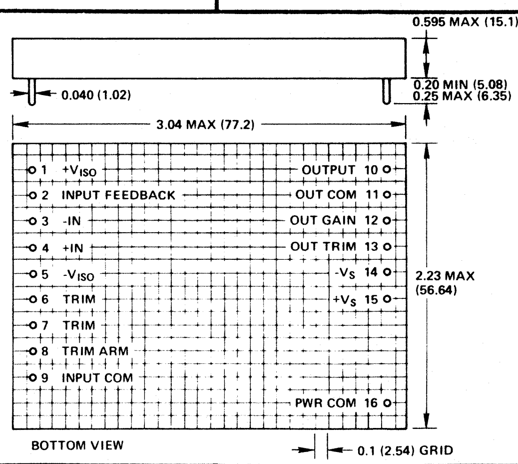




MP640

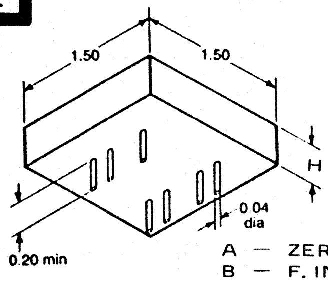


MP641

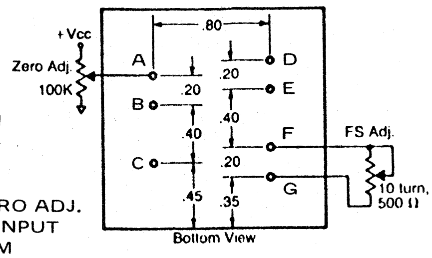


WEIGHT: 150 gms.

MP642

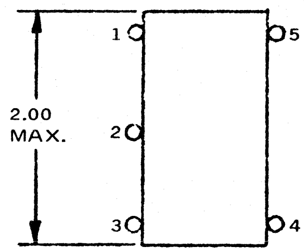


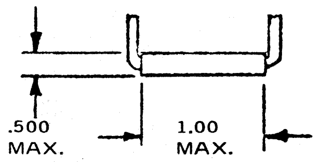
	H
MP642	.400
MP642a	.375



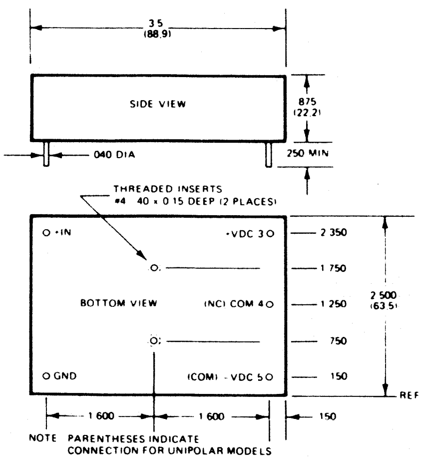
A — ZERO ADJ.
B — F. INPUT
C — SUM
D — +15V
E — COMMON
F — OUTPUT
G — FS ADJ.

MP648

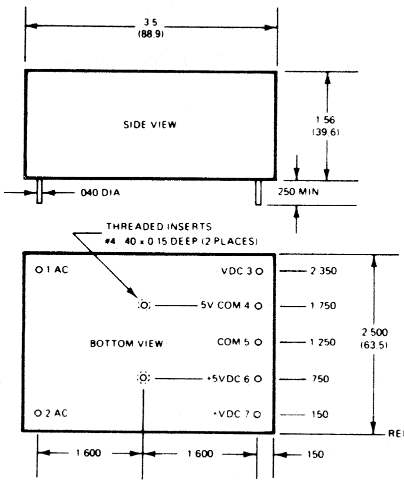




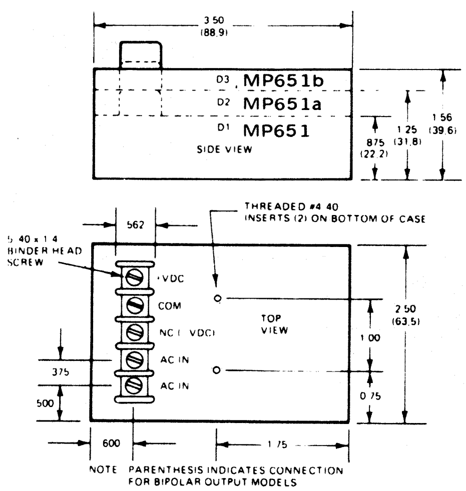
MP649



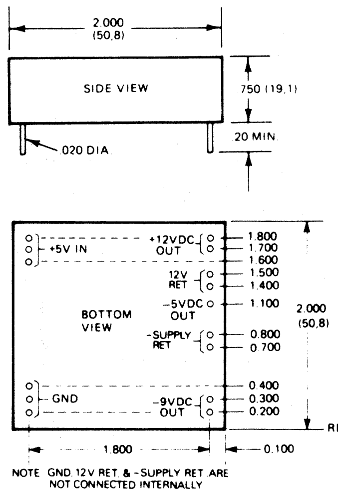
MP650



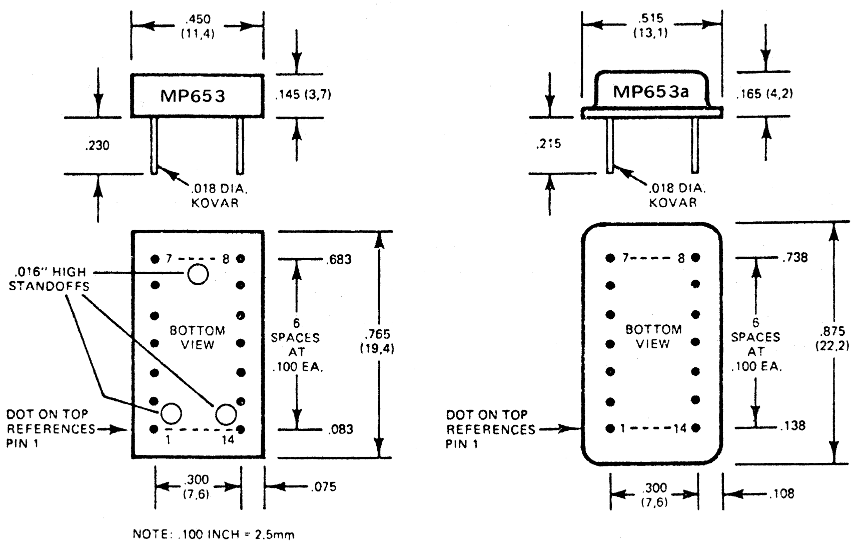
MP651



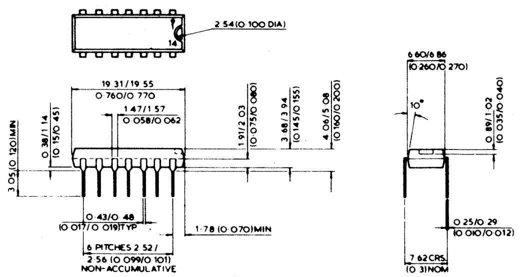
MP652



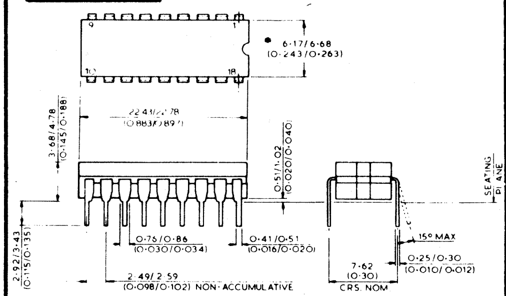
MP653



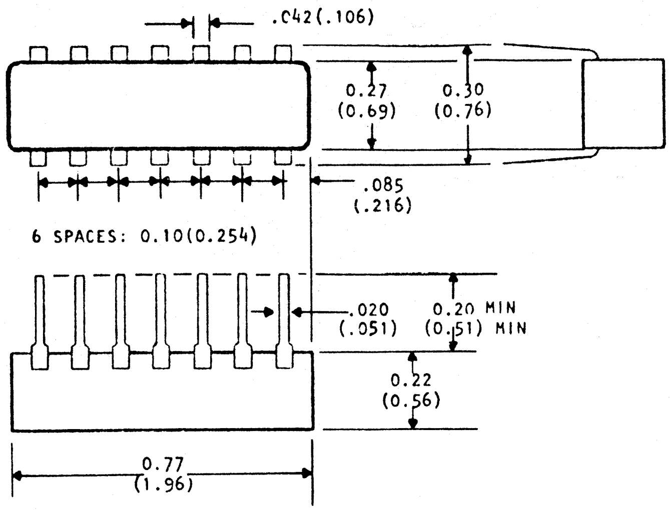
MP654



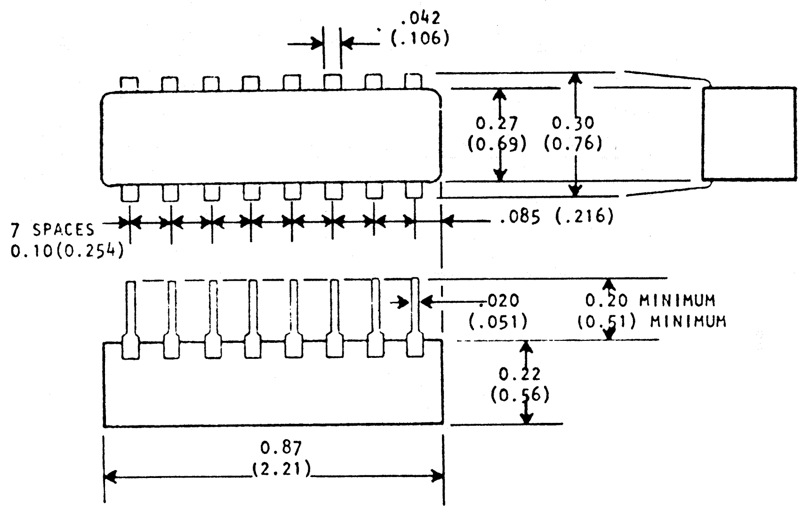
MP655



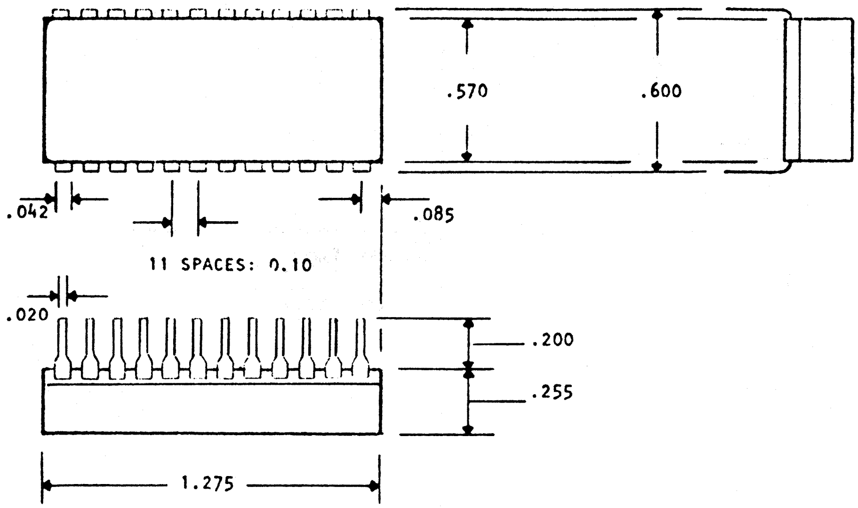
MP656


.042(.106)
0.27
(0.69)
0.30
(0.76)
.085
(.216)
6 SPACES: 0.10(0.254)
.020
(.051)
0.20 MIN
(0.51) MIN
0.22
(0.56)
0.77
(1.96)

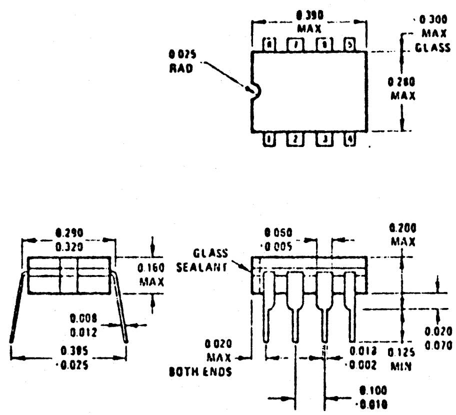
MP657


.042
(.106)
0.27
(0.69)
0.30
(0.76)
7 SPACES
0.10(0.254)
.085 (.216)
.020
(.051)
0.20 MINIMUM
(0.51) MINIMUM
0.22
(0.56)
0.87
(2.21)

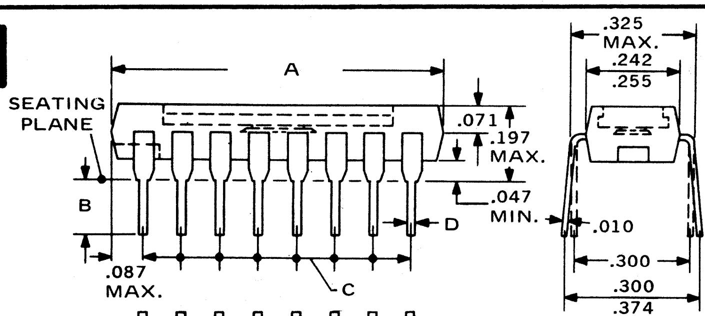
MP658

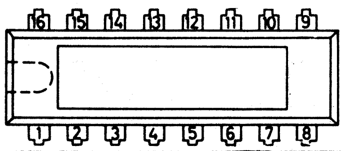


MP659



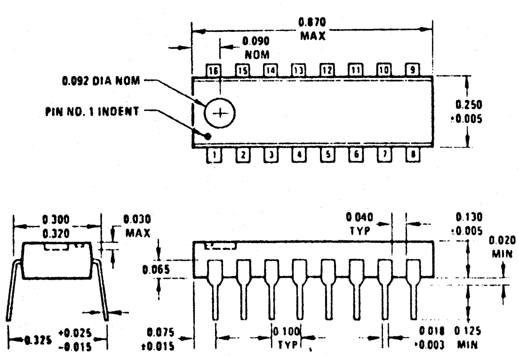
MP660



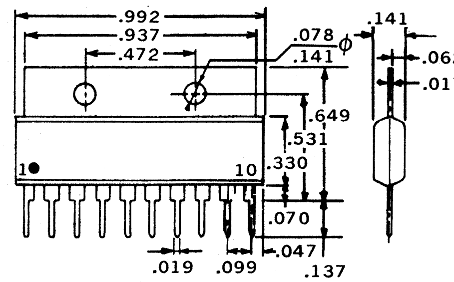


	A	B	C	D
MP660	.860 MAX	.138 / .154	.090 / .110	.018
MP660a	.866 MAX	.133 / .153	.100	.019 / .026

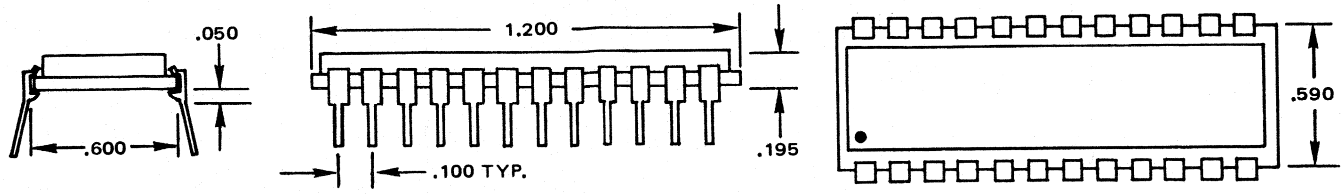
MP661



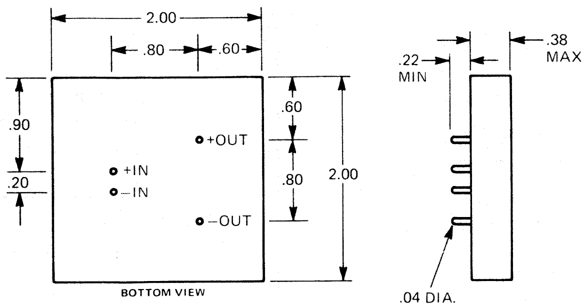
MP662



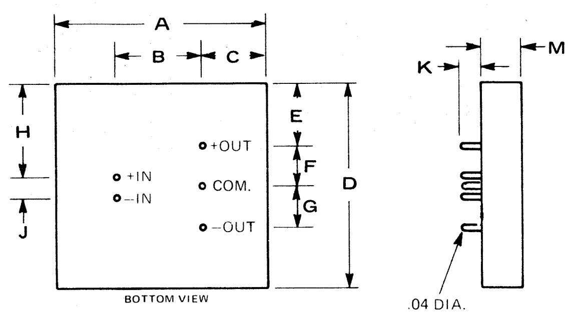
MP664



MP665

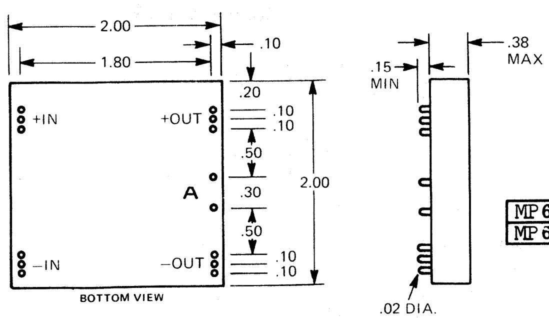


MP666



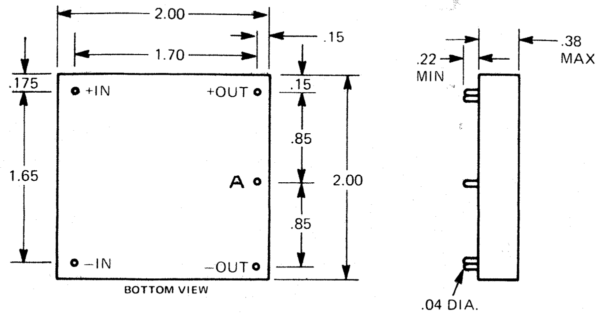
	A	B	C	D	E	F	G	H	J	K	M
MP666	2.00	.800	.600	2.00	.600	.400	.400	.900	.200	.220 MIN	.380 MAX
MP666a	2.00	.800	.600	2.00		.400	.400	.900	.200	.250 MIN	.375
MP666c	2.10	.800	.650	2.10	.650	.400	.400	.950	.200	.200	.400

MP667



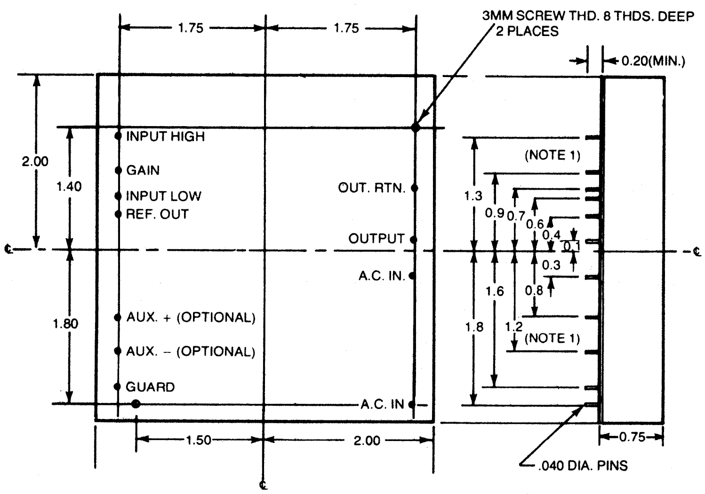
	FUNCTION A
MP667	N/C
MP667a	COM

MP668

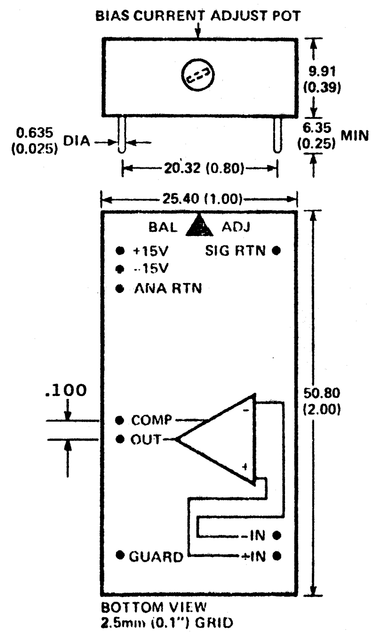


	FUNCTION A
MP668	N/C
MP668a	COM

MP669



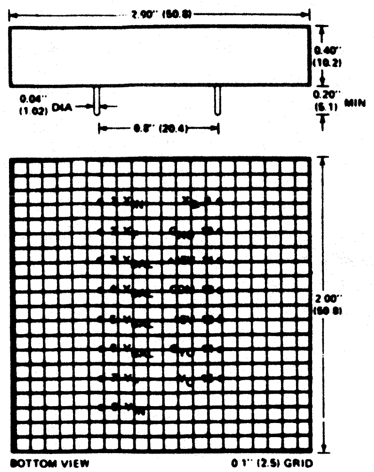
MP670



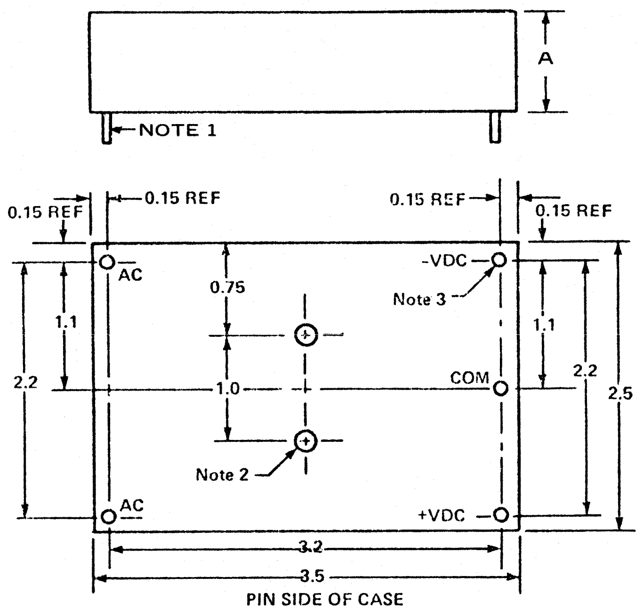
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

MP671



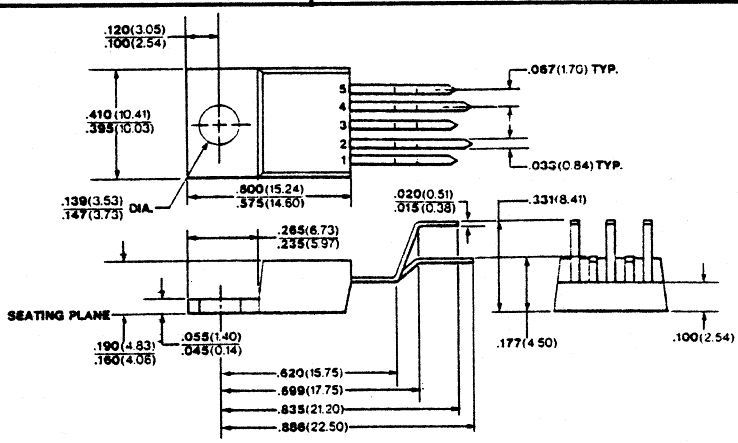
MP672



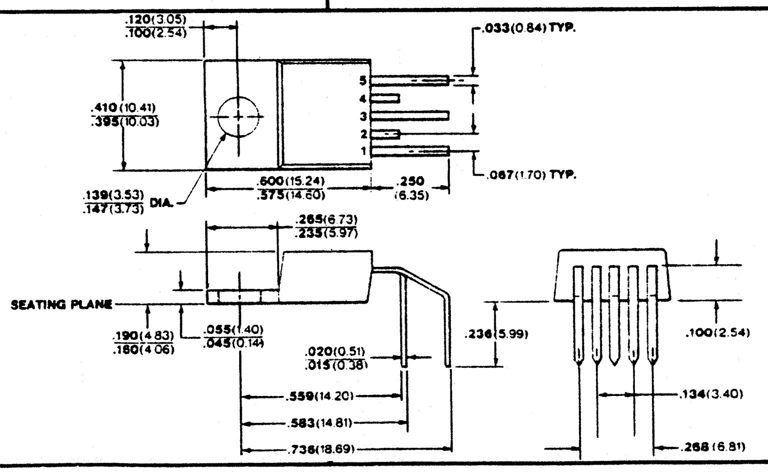
NOTES:
1. FIVE PINS 0.040 DIA. x 0.20 LG MIN.
2. TWO MOUNTING INSERTS NO. 4.40 x 0.10 DP. MIN.

	A	NOTE 3
MP672	.875	
MP672a	1.25	
MP672b	.875	NO CONNECTION
MP672c	1.25	NO CONNECTION

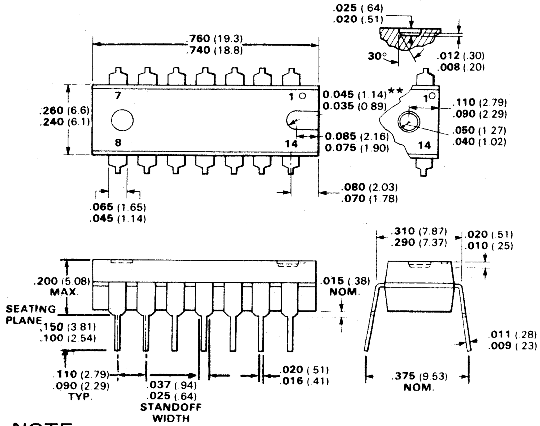
MP673



MP674

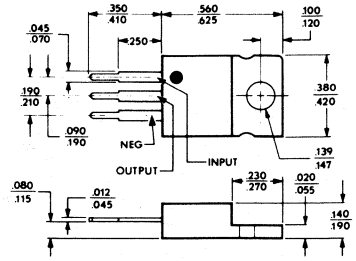


MP675

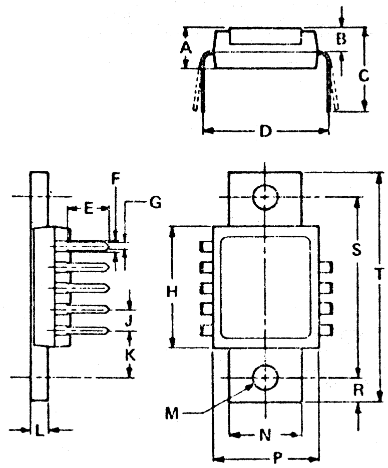


NOTE:
** NOTCH OR EJECTOR HOLE VARIES DEPENDING ON THE PRODUCT LINE

MP676

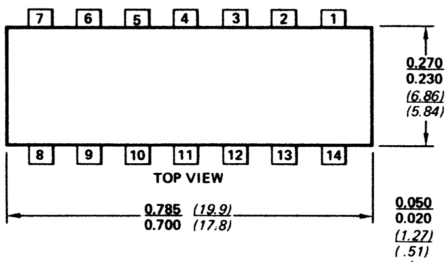


MP677



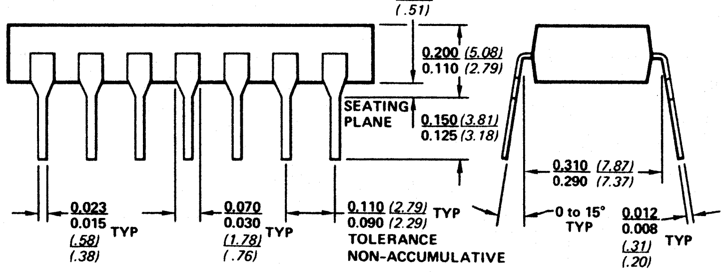
SYM	INCHES		MILLIMETERS	
	MIN.	MAX.	MIN.	MAX.
A		.220		5.59
B	.127	.133	3.22	3.38
C	.423	.443	10.746	11.254
D	.628	.632	15.95	16.05
E	.215	.225	5.463	5.717
F	.044	.048	1.13	1.21
G	.015	.019	0.39	0.47
H	.644	.650	16.37	16.52
J	.095	.105	2.413	2.667
K	.275	.285	6.983	7.237
L	.086	.096	2.183	2.437
M	.122D	.128D	3.10D	3.25D
N	.369	.379	9.373	9.627
P	.539	.549	13.693	13.947
R	.120	.130	3.053	3.307
S	.955	.965	24.253	24.507
T	1.199	1.219	30.446	30.954

MP678

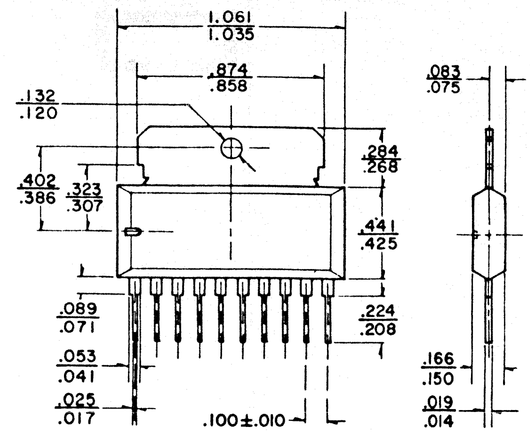


PIN 1 INDEX IS ONE OR MORE OF THE FOLLOWING
- DOT (INK OR IMPRESSION) ON TOP OF PACKAGE
- NOTCH OR HOLE IN PIN 1 VISIBLE FROM TOP AND/OR SIDE
- NOTCH IN END OF PACKAGE VISIBLE FROM TOP AND/OR BOTTOM

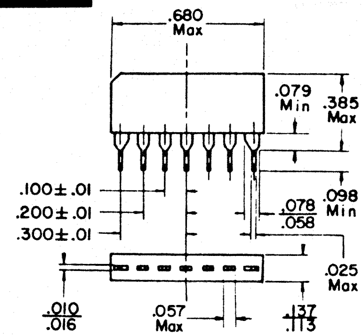
ALL DIMENSIONS IN INCHES
(ALL DIMENSIONS IN MILLIMETERS)



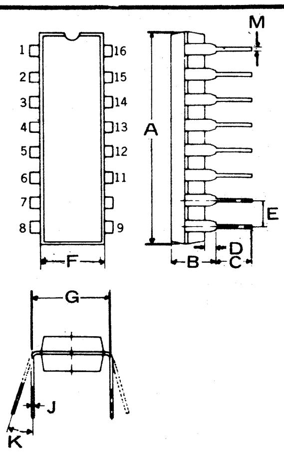
MP679



MP680

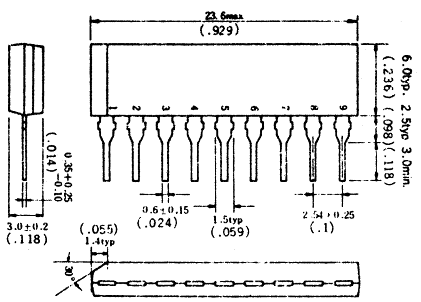


MP681

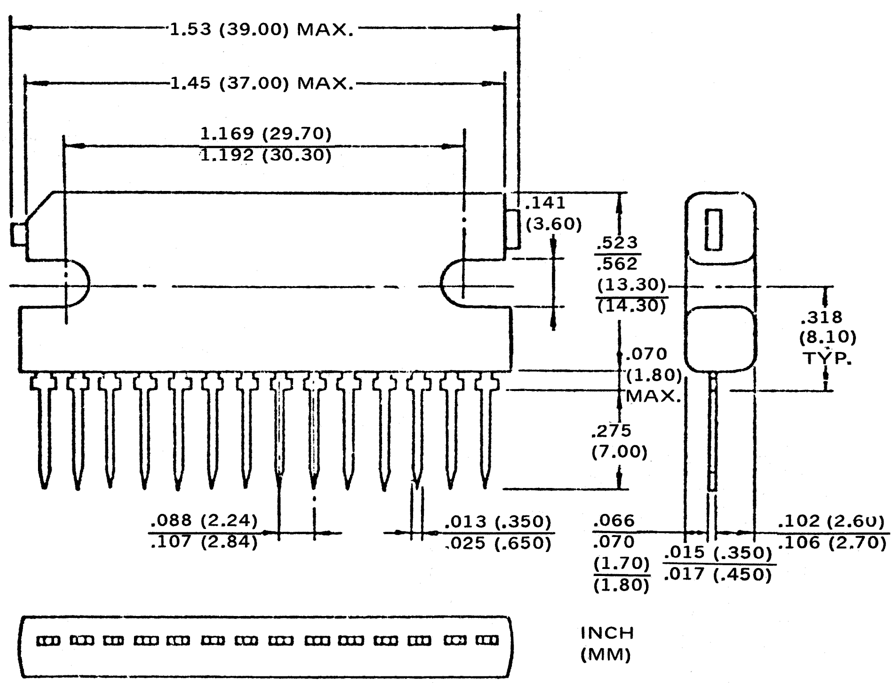


	A	B	C	D	E	F	G	J	K	M
MP681	.866 MAX	.197 MAX	.122 MIN	.032 MIN	.090/.109	.256 MAX	.280/.319	.014 MAX	0°/15°	.024 MAX
MP681a	.750/.780	.160/.200	.125/.160	.020/.040	.100	.245/.275	.290/.310	.008/.012	15° MAX	.015/.020

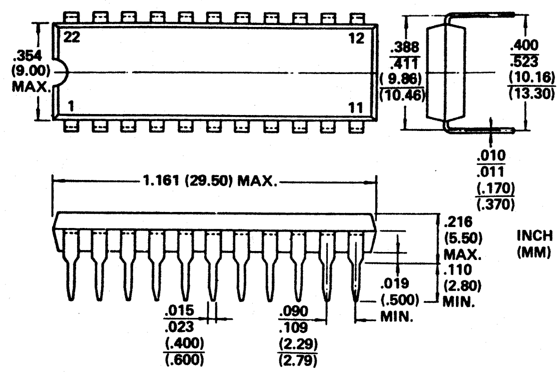
MP682



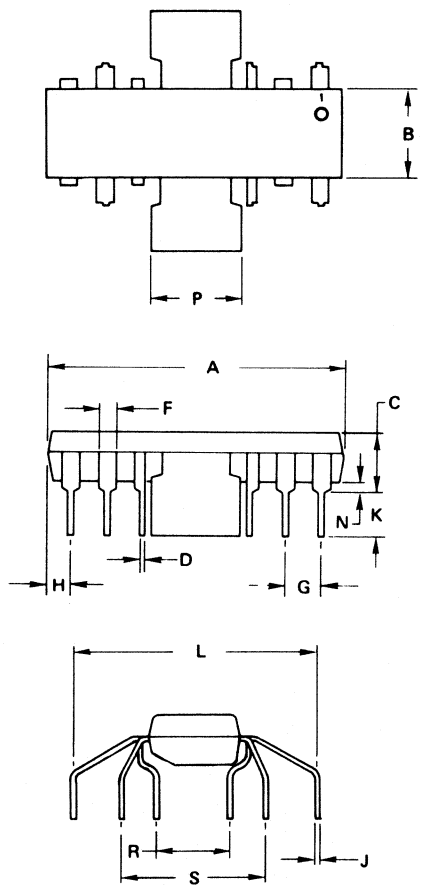
MP683



MP684



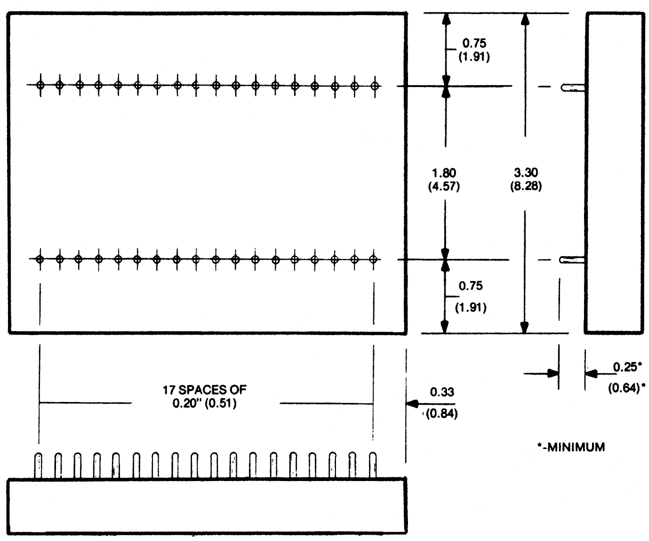
MP685



DIM	MILLIMETERS MIN	MAX	INCHES MIN	MAX
A	20.70	21.34	0.815	0.840
B	6.10	6.60	0.240	0.260
C	4.06	4.57	0.160	0.180
D	0.43	0.56	0.017	0.022
F	1.02	1.52	0.040	0.060
G	2.41	2.67	0.095	0.105
H	1.32	1.83	0.052	0.072
J	0.33	0.46	0.013	0.018
K	2.92	3.43	0.115	0.135
L	16.94	17.45	0.667	0.687
N	0.51	1.02	0.020	0.040
P	6.27	6.53	0.247	0.257
R	4.83	5.33	0.190	0.210
S	9.91	10.41	0.390	0.410

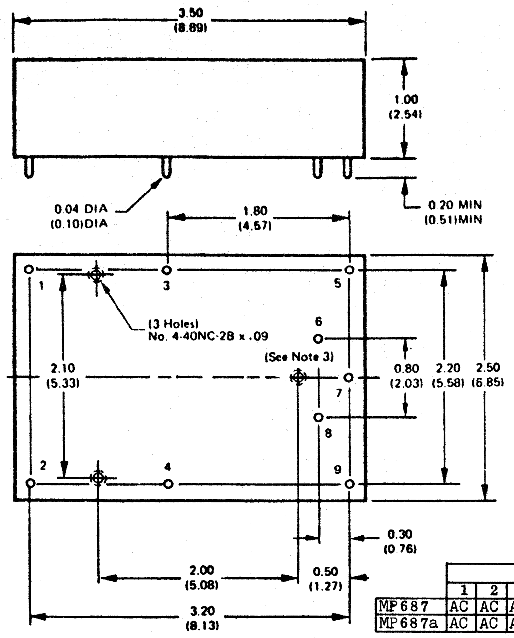
MP686

Dimensions are in inches (centimeters).



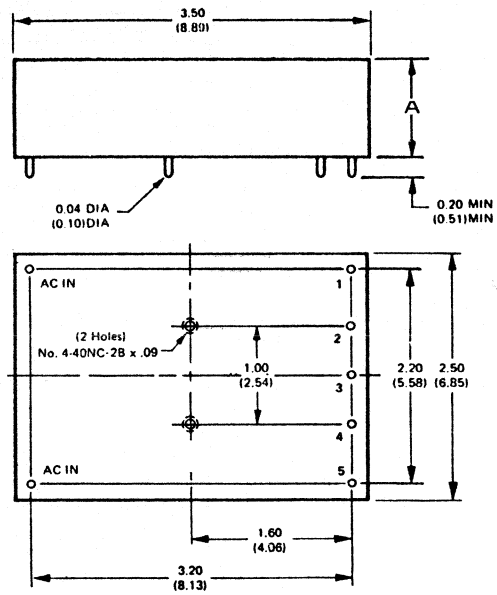
MP687

NOTES:
1. FOR 115 VAC. USE, CONNECT PIN 1 TO PIN 3, AND PIN 2 TO PIN 4. APPLY 115 VAC. TO PINS 1 AND 2.
2. FOR 230 VAC. USE, CONNECT PIN 2 TO PIN 3. APPLY 230 VAC. TO PINS 1 AND 4.
3. THIS MOUNTING HOLE IS NOT INCLUDED IN THE MP687a.



	PIN DESIGNATIONS								
	1	2	3	4	5	6	7	8	9
MP687	AC	AC	AC	AC	-VC	TRIM	COM	TRIM	+VC
MP687a	AC	AC	AC	AC	N.C.	NO PIN	COM	NO PIN	+VC

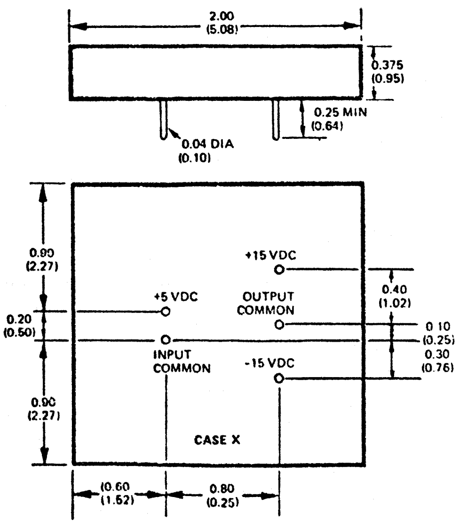
MP688



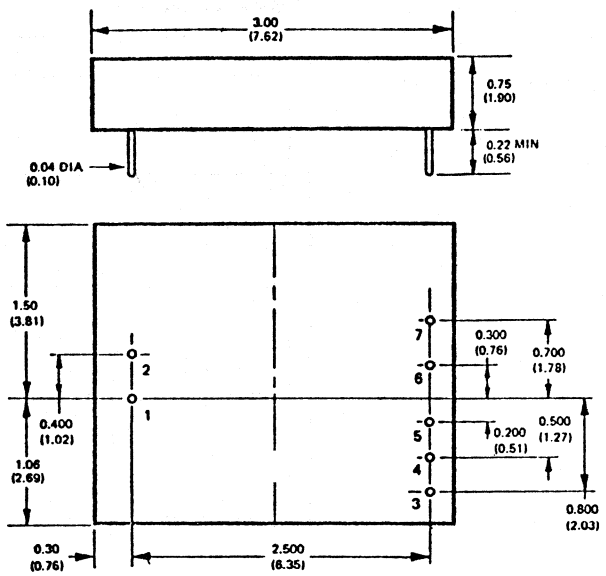
NOTE: 5 V Output is isolated from ±15 V Output

	A
MP688	1.00
MP688a	.880
MP688b	1.25
MP688c	2.00
MP688d	1.62
MP688e	1.88

MP689

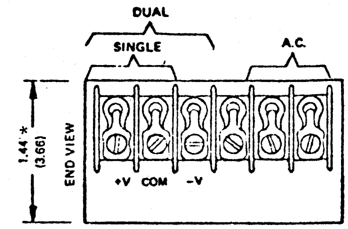


MP690

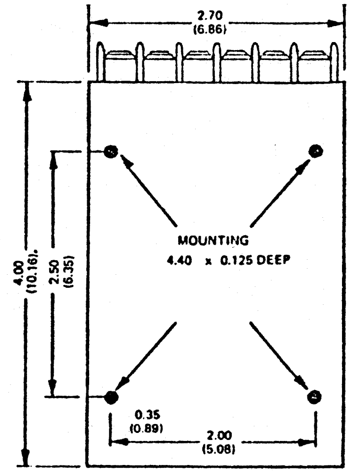


PIN	FUNCTION	4	±15V COMMON
1	5V + INPUT	5	−15V OUTPUT
2	5V COMMON	6	5V + OUTPUT
3	+15V OUTPUT	7	5V - OUTPUT

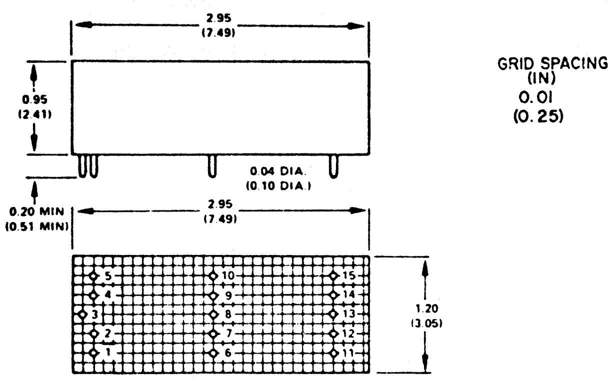
MP691



* MP691a CASE HEIGHT IS 2.00 (5.08).

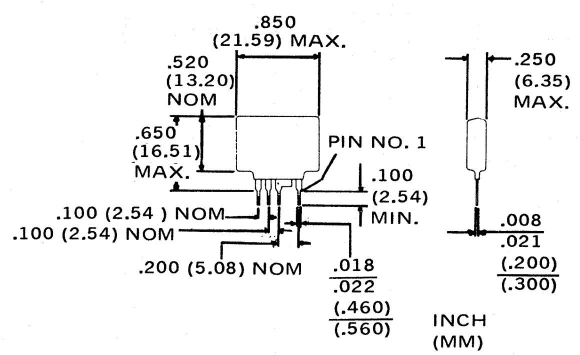


MP692

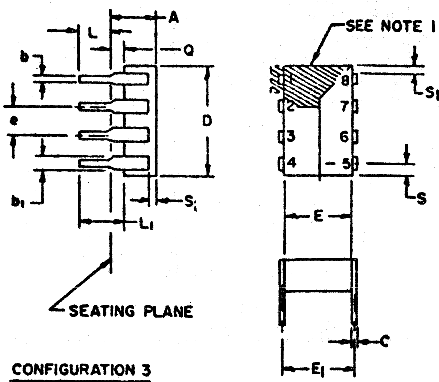


VIEW TOWARD PINS

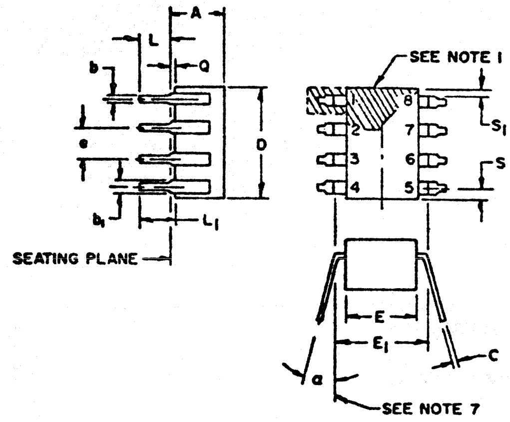
MP693



MP694

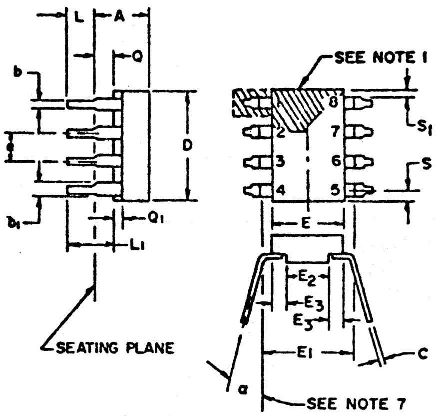


CONFIGURATION 3



CONFIGURATION 1

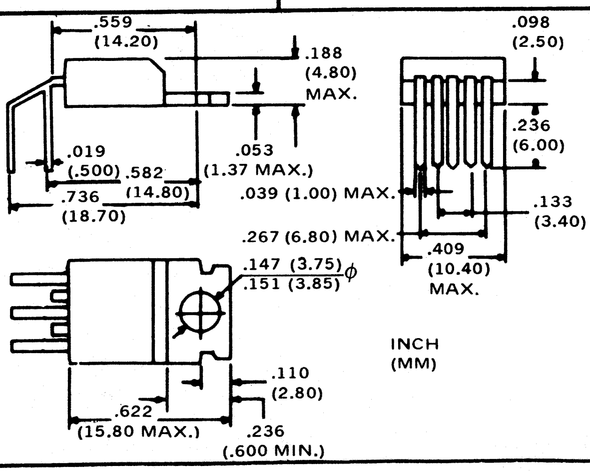
SYMBOL	INCHES		MILLIMETERS		NOTES
	MIN	MAX	MIN	MAX	
A		.200		5.08	
b	.014	.023	.36	.58	8
b_1	.030	.070	.76	1.78	2, 8
c	.008	.015	.20	.38	8
D		.390		9.91	4
E	.220	.310	5.59	7.87	4
E_1	.290	.320	7.37	8.13	7
E_2	.100		2.54		
E_3	.050		1.27		
e	.100 BSC		2.54 BSC		5, 9
L	.125	.200	3.18	5.08	
L_1	.150		3.81		
Q	.015	.060	.38	1.52	3
Q_1	.020		.51		
S		.045		1.14	6
S_1	.005		.13		6
S_2	.005		.13		8
α	0°	15°	0°	15°	



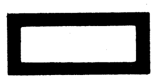
CONFIGURATION 2
(SEE NOTE 10)

NOTES:
1. Index area; a notch or a pin one identification mark shall be located adjacent to pin one and shall be located within the shaded area shown. The manufacturer's identification shall not be used as a pin one identification mark.
2. The minimum limit for dimension b_1 may be .020 (.51 mm) for leads number 1, 4, 5 and 8 only.
3. Dimension Q shall be measured from the seating plane to the base plane.
4. This dimension allows for off-center lid, meniscus and glass overrun.
5. The basic pin spacing is .100 (2.54 mm) between centerlines. Each pin centerline shall be located within ±.010 (.25 mm) of its exact longitudinal position relative to pins 1 and 8.
6. Applies to all four corners (leads number 1, 4, 5 and 8).
7. Lead center when α is 0. E_1 shall be measured at the centerline of the leads.
8. All leads - Increase maximum limit by .003 (.08 mm) measured at the center of the flat, when lead finish A is applied.
9. Six spaces.
10. If this configuration is used, no organic or polymeric materials shall be molded to the bottom of the package to cover the leads.

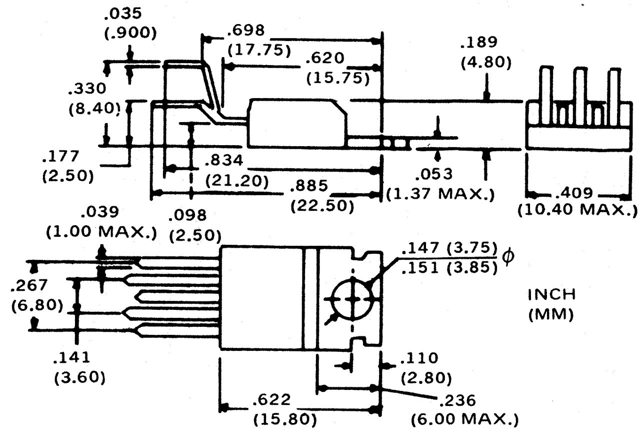
MP695



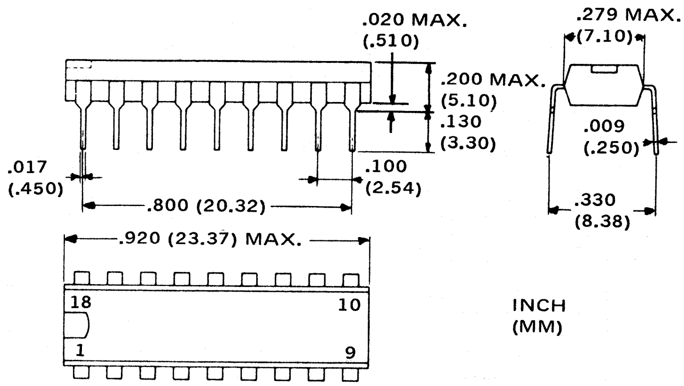
INCH
(MM)



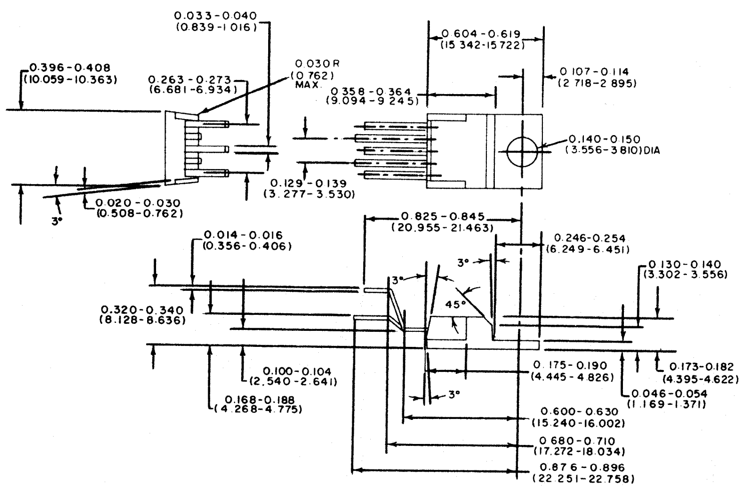
MP696



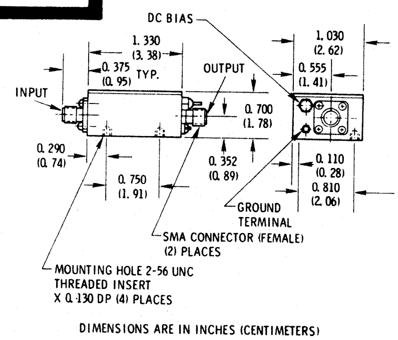
MP697



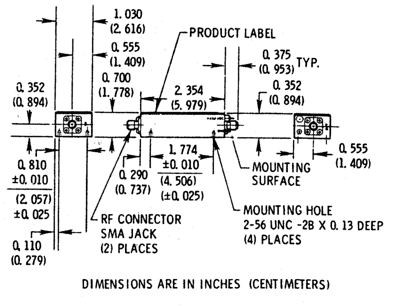
MP698



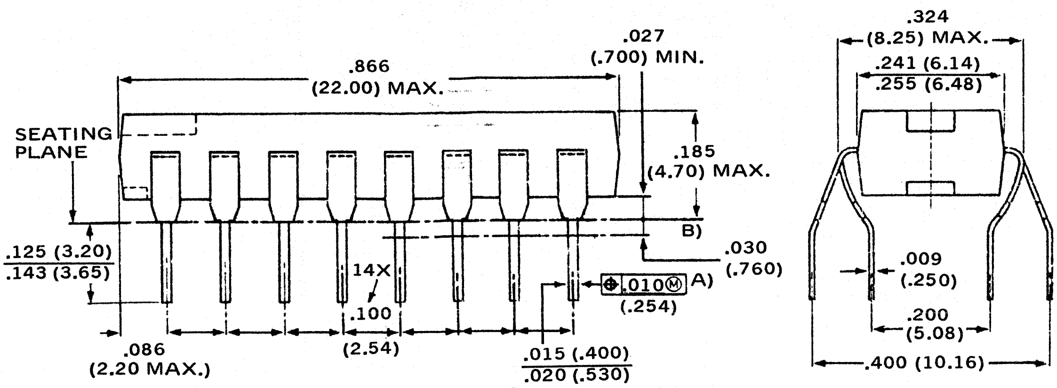
MP699



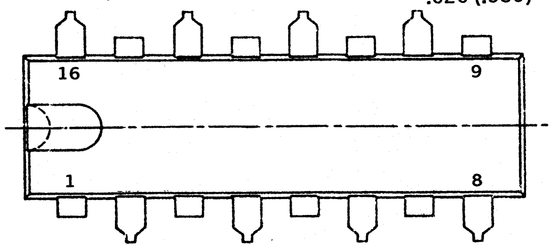
MP700



MP701



INCH
(MM)



TOP VIEW

⊕ POSITIONAL ACCURACY.

Ⓜ MAXIMUM MATERIAL CONDITION.

A) CENTRE-LINES OF ALL LEADS ARE WITHIN ±(.127) .005 OF THE NOMINAL POSITION SHOWN; IN THE WORST CASE THE SPACING BETWEEN ANY TWO LEADS MAY DEVIATE FROM NOMINAL BY ± (.254) .010.

B) LEAD SPACING TOLERANCES APPLY FROM SEATING PLANE TO THE LINE INDICATED.

MP702

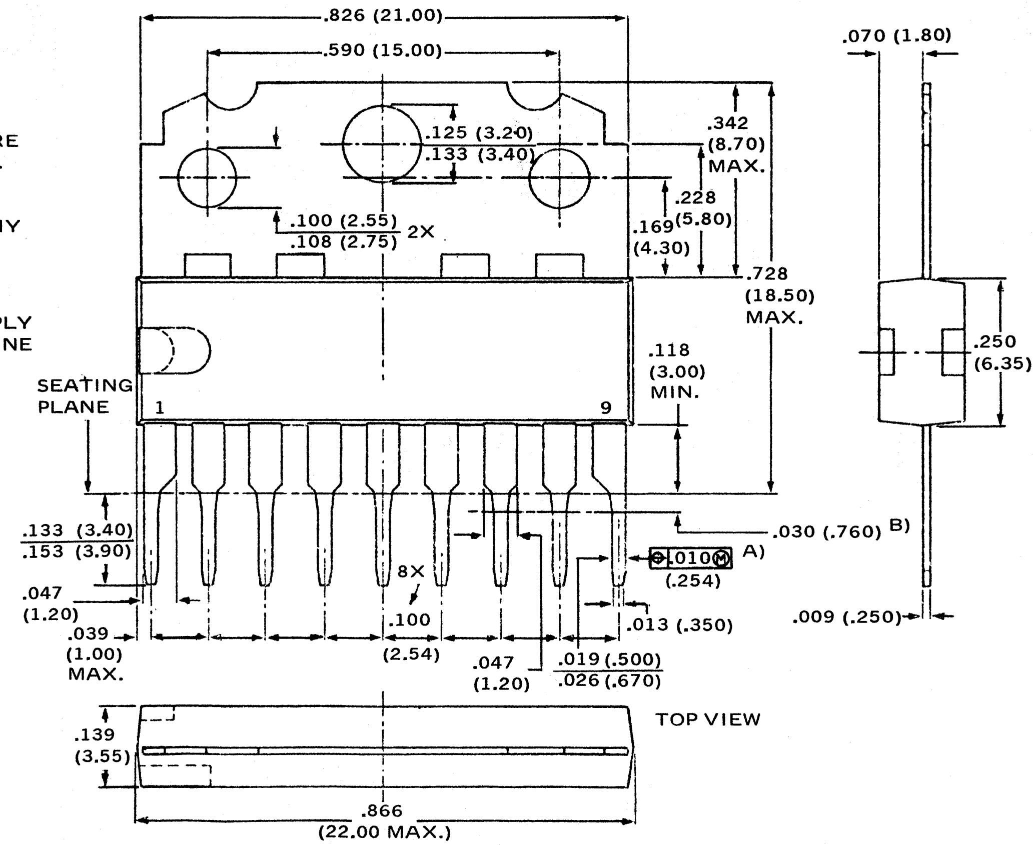
⊕ POSITIONAL ACCURACY.

Ⓜ MAXIMUM MATERIAL CONDITION.

A) CENTRE-LINES OF ALL LEADS ARE WITHIN ±(.127) OF THE NOMINAL .005 POSITION SHOWN; IN THE WORST CASE, THE SPACING BETWEEN ANY TWO LEADS MAY DEVIATE FROM NOMINAL BY ±(.254). .010

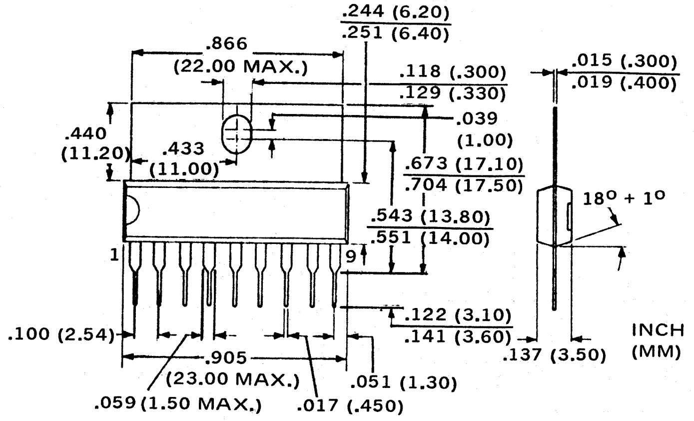
B) LEAD SPACING TOLERANCES APPLY FROM SEATING PLANE TO THE LINE INDICATED.

INCH
(MM)

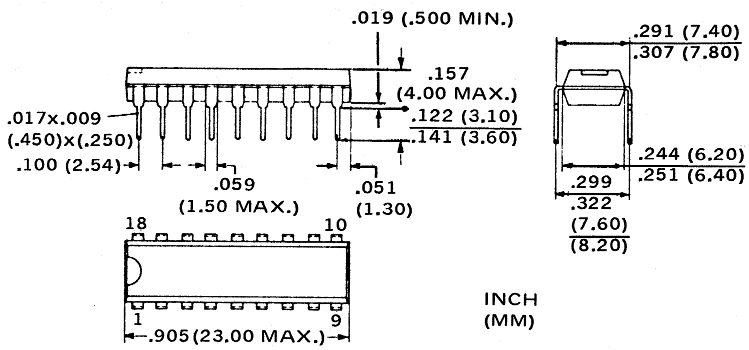


TOP VIEW

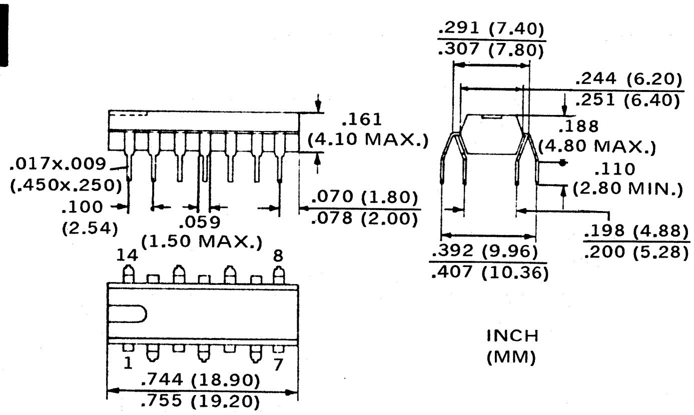
MP703



MP704

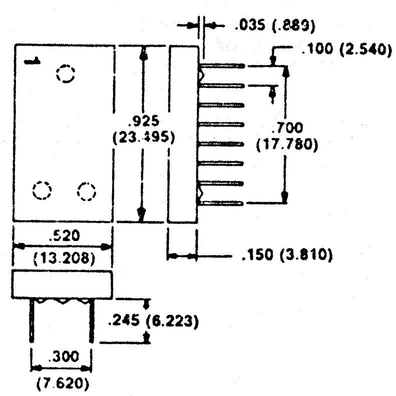


MP705



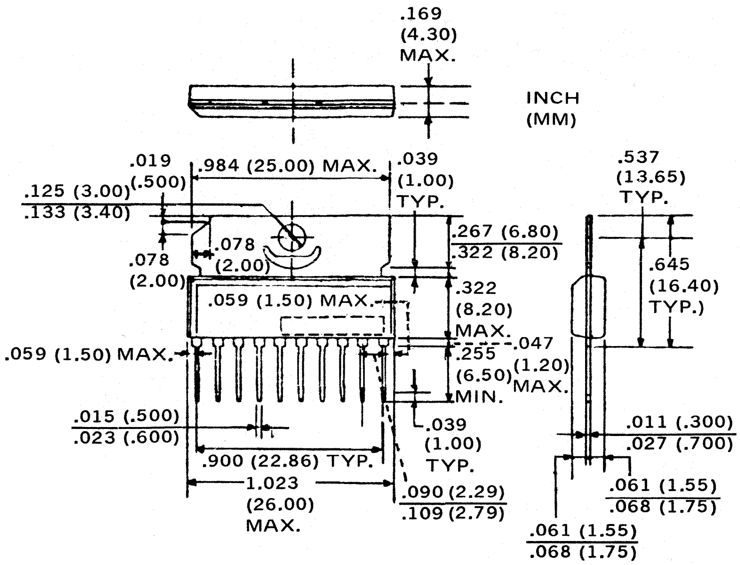
MP706

16 PIN DIP

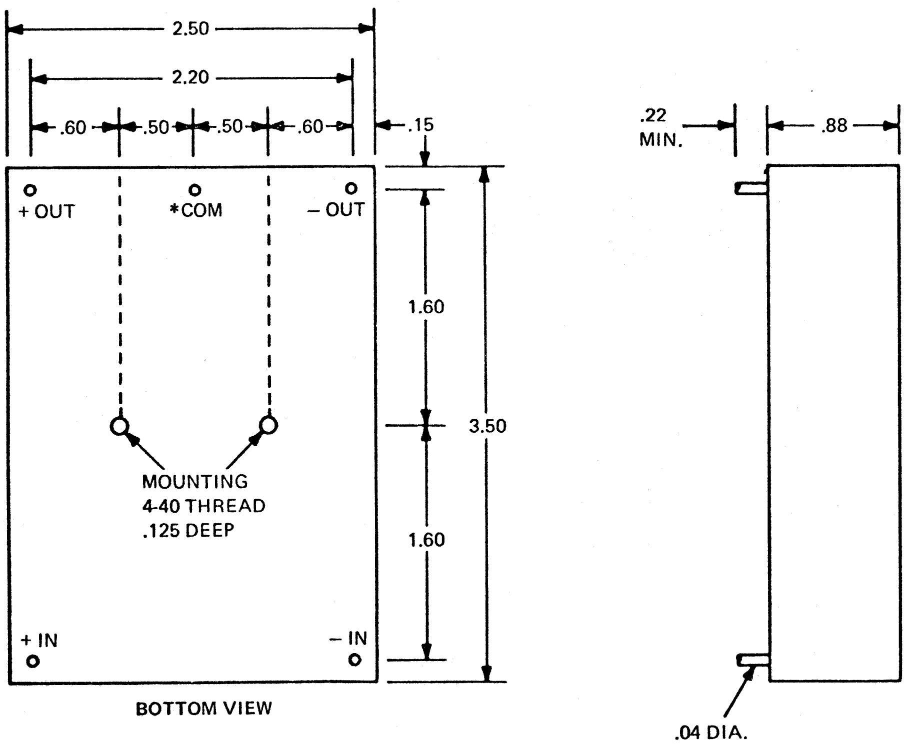


OUTLINE DIMENSIONS
IN INCHES (AND MILLIMETERS)

MP707

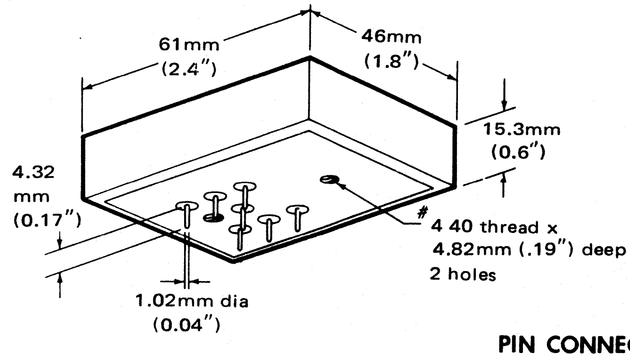


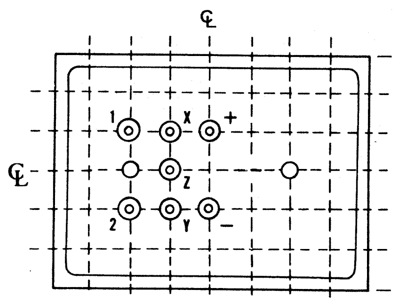
MP708



* NO CONNECTION ON SINGLE OUTPUT MODELS

MP709



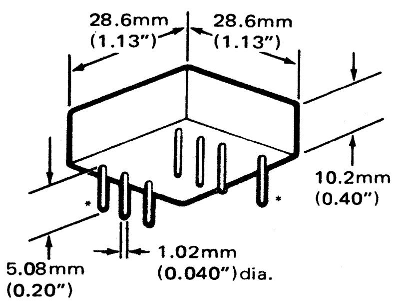


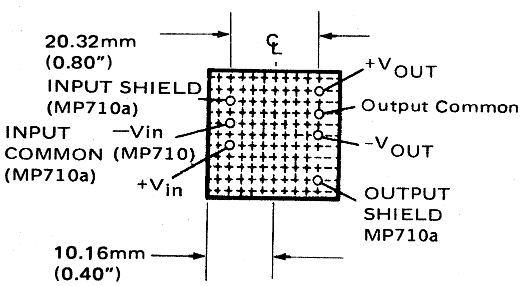
Grid Dimensions 1cm x 1cm (0.3" x 0.3")

PIN CONNECTIONS

Pin	Function
1	+15
2	-15
x	+Trim
Z	Common
y	-Trim
+	$+V_{in}$
-	$-V_{in}$

MP710





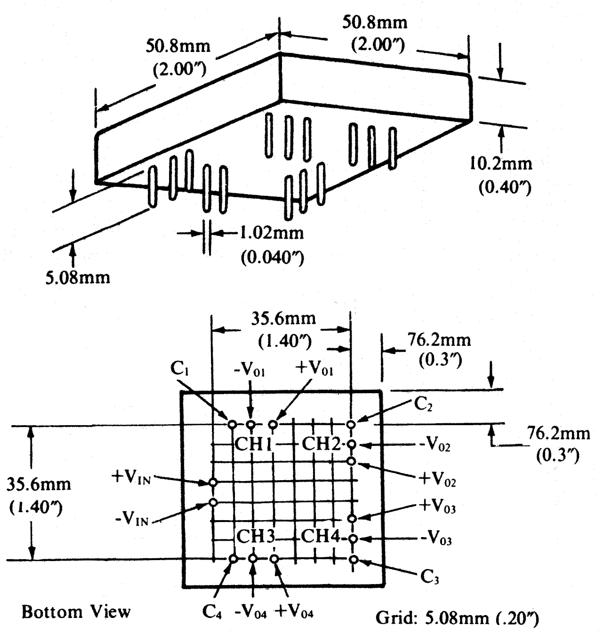
NOTE: INPUT AND OUTPUT CIRCUITS HAVE SEPARATE SHIELDS

Material: Black Epoxy

INCH
(MM)

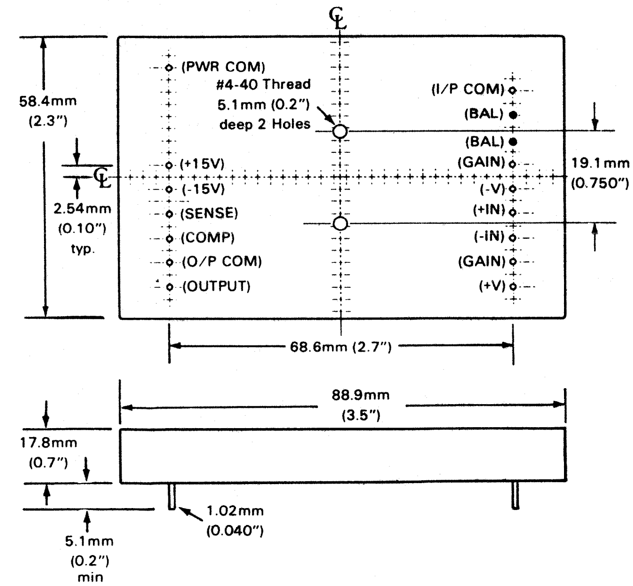
Grid: 2.50mm (0.10")

MP711

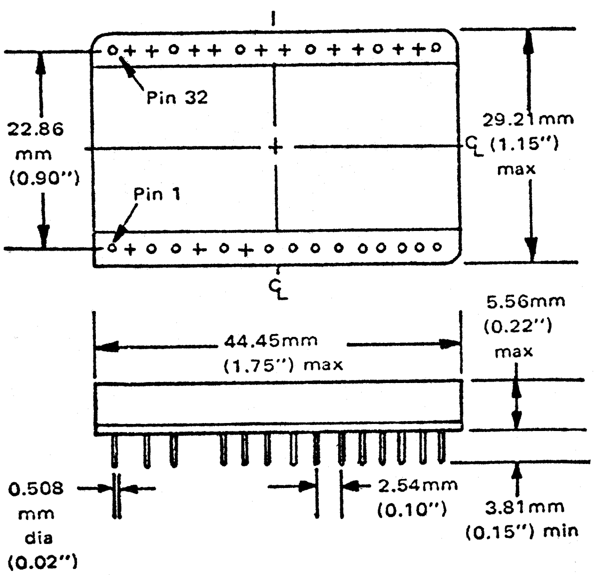


MP712

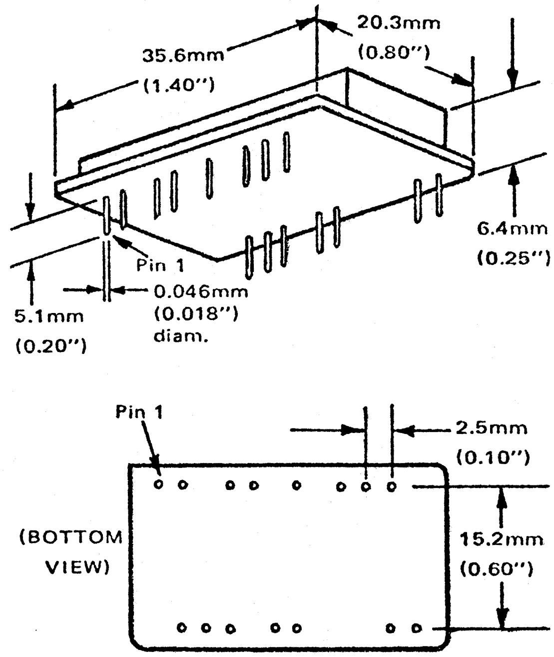
(BOTTOM VIEW)



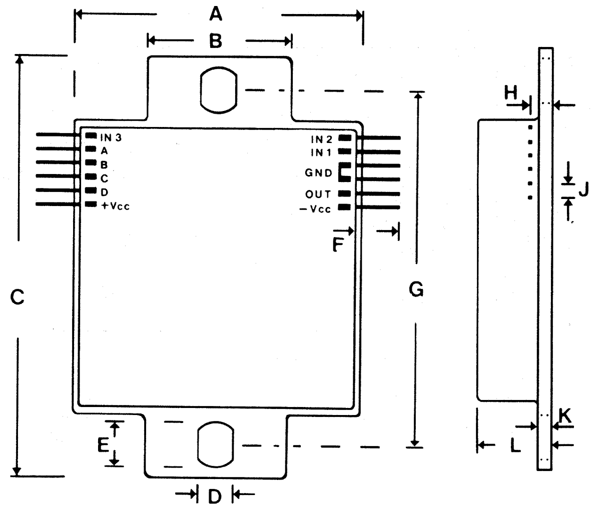
MP713



MP714

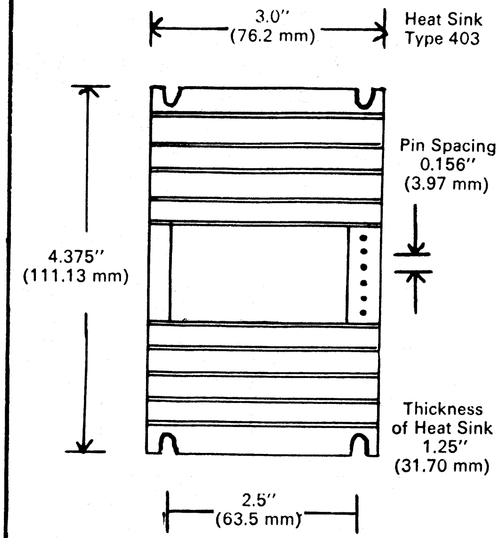


MP715

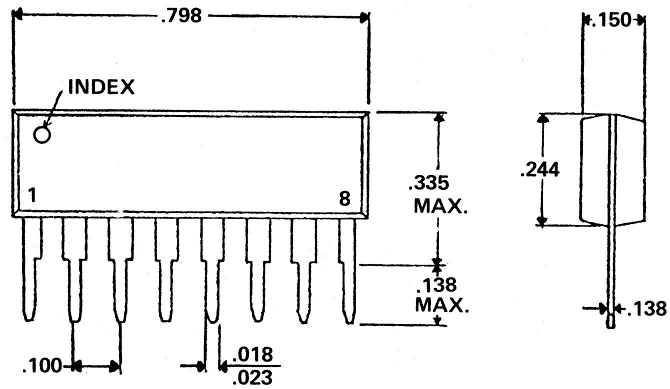


DIM.	mm
A	50.8
B	25.4
C	76.2
D	6.35
E	7.62
F	7.62
G	63.5
H	3.30
J	25.4
K	25.4
L	13.5

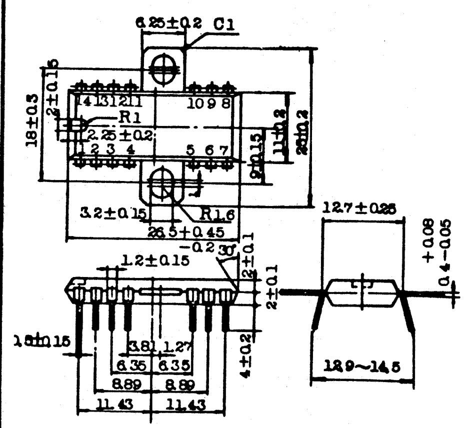
MP716



MP718

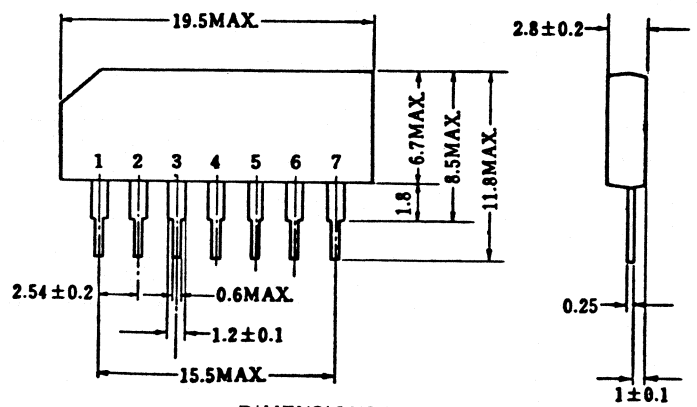


MP721



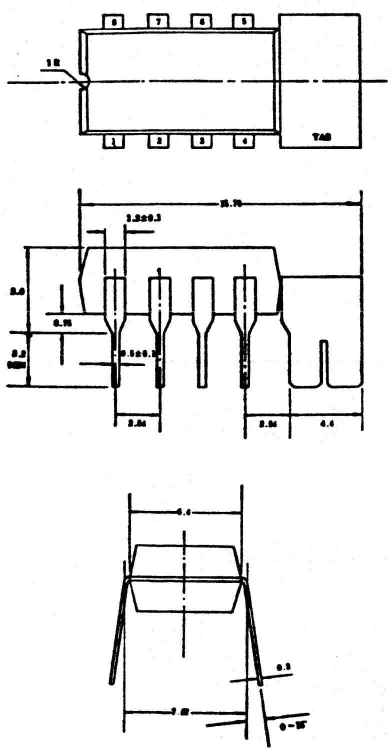
DIMENSIONS IN "MM"

MP722



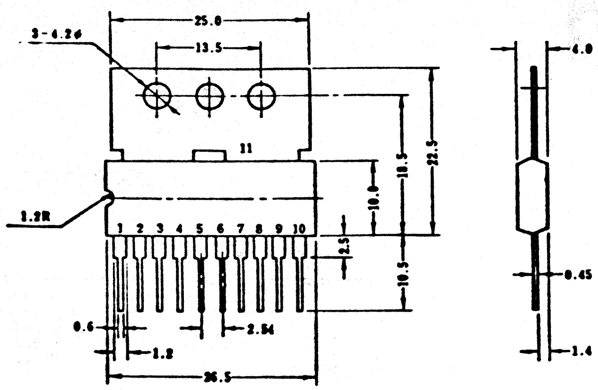
DIMENSIONS IN "MM"

MP723



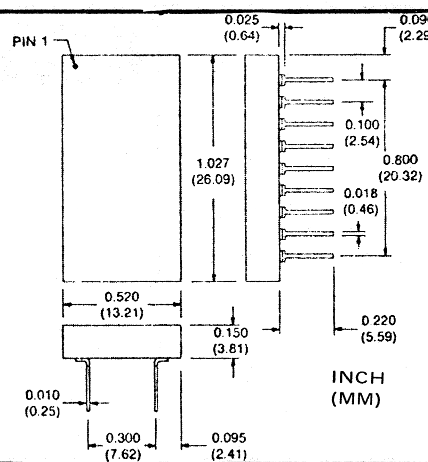
DIMENSIONS IN "MM"

MP724

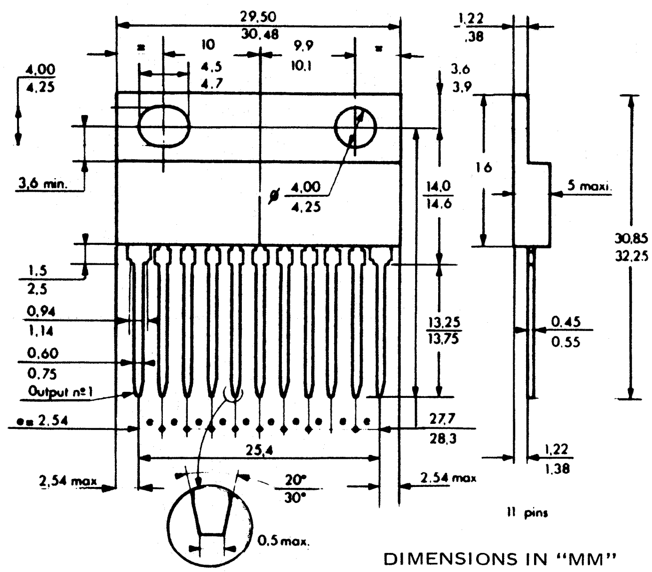


DIMENSIONS IN "MM"

MP725

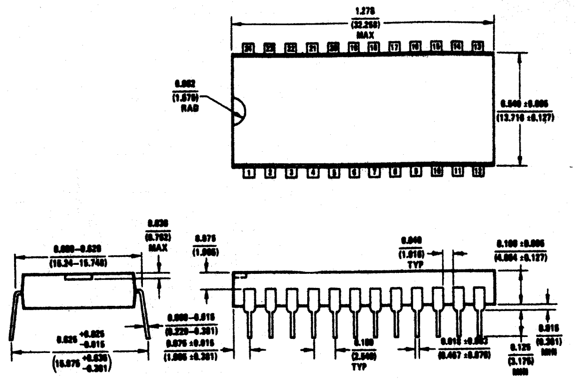


MP726

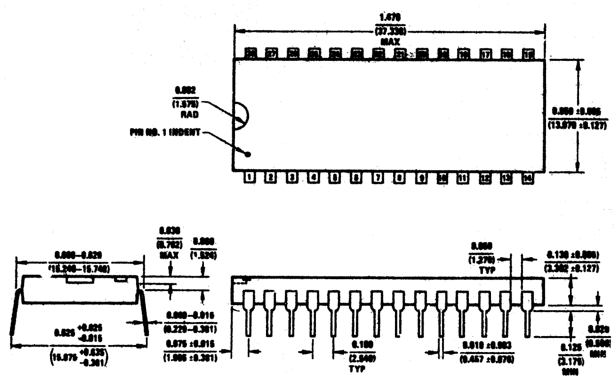


DIMENSIONS IN "MM"

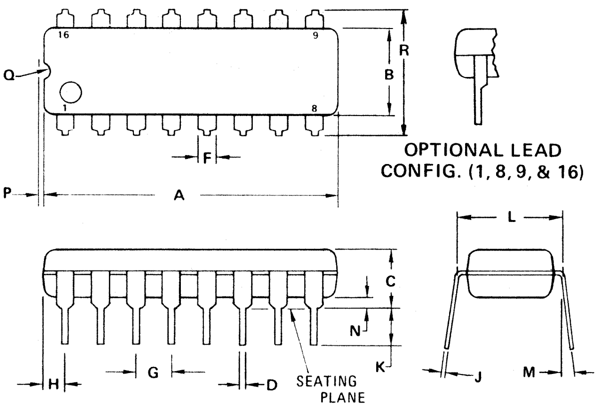
MP727



MP728



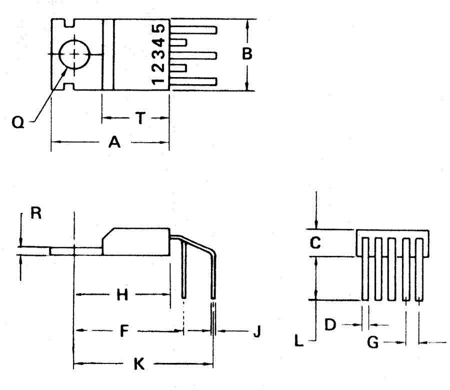
MP729



	MILLIMETERS	
DIM	MIN	MAX
A	–	22.10
B	6.10	6.60
C	–	5.08
D	0.38	0.53
F	–	1.78
G	2.54 BSC	
H	0.38	2.41
J	0.20	0.38
K	2.92	–
L	7.62 BSC	
M	0^{0}	15^{0}
N	0.51	–
R	–	8.26

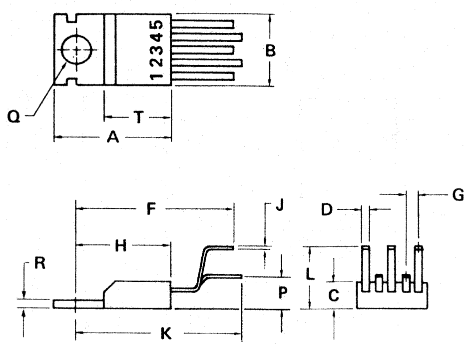
NOTES:
1. LEADS WITHIN 0.13 mm (0.005) RADIUS OF TRUE POSITION AT SEATING PLANE AT MAXIMUM MATERIAL CONDITION.
2. DIMENSION "L" TO CENTER OF LEADS WHEN FORMED PARALLEL.
3. DIMENSION "B" DOES NOT INCLUDE MOLD FLASH.
4. "F" DIMENSION IS FOR FULL LEADS. "HALF" LEADS ARE OPTIONAL AT LEAD POSITIONS 1, 8, 9, and 16).
5. DIMENSION "R" TO BE MEASURED AT THE TOP OF THE LEADS (NOT AT THE TIPS).

MP730



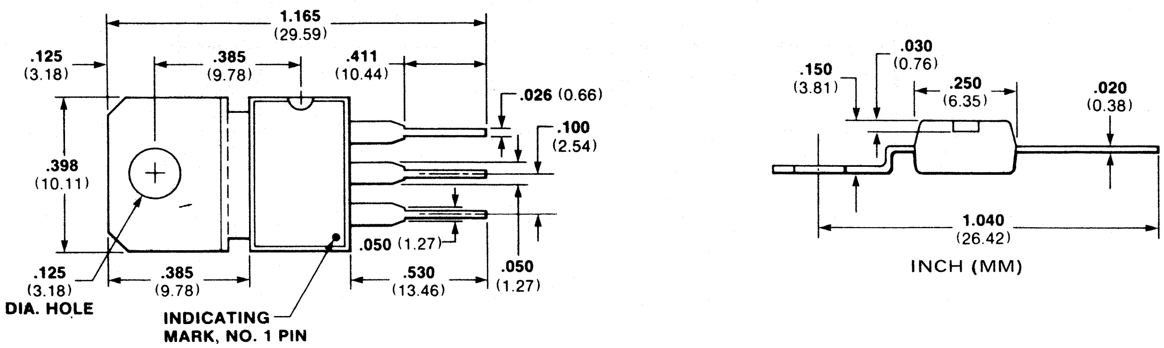
	MILLIMETERS	
DIM	MIN	MAX
A	15.49	15.88
B	9.91	10.41
C	4.32	4.57
D	0.71	0.81
F	14.48	14.86
G	1.45	1.96
H	12.70	13.69
J	0.38	0.64
K	18.54	18.92
L	5.33	6.60
Q	3.53	3.73
R	0.89	1.40
T	9.02	9.40

MP731

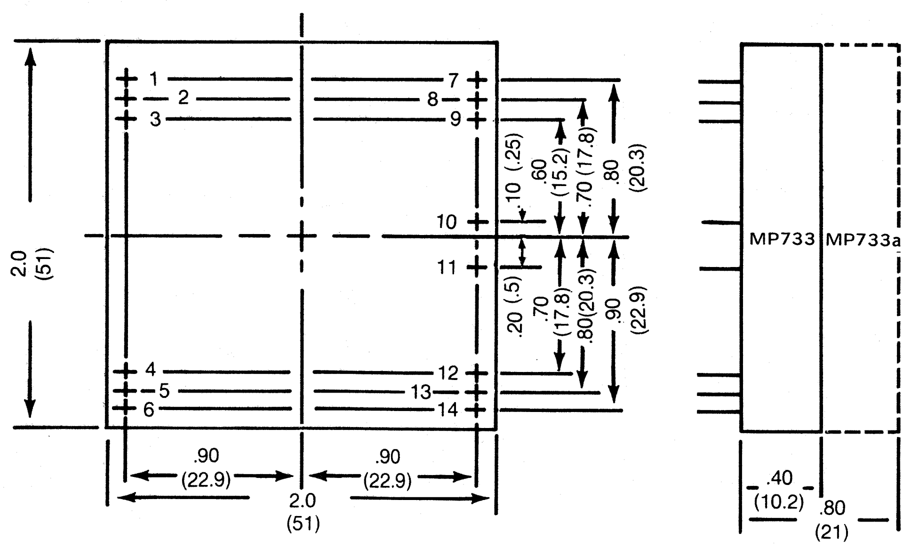


	MILLIMETERS	
DIM	MIN	MAX
A	15.49	15.88
B	9.91	10.41
C	4.32	4.57
D	0.71	0.81
F	20.83	21.59
G	1.45	1.96
H	12.70	13.69
J	0.38	0.64
K	21.46	23.50
L	8.00	8.38
P	4.32	4.70
Q	3.53	3.73
R	0.89	1.40
T	9.02	9.40

MP732

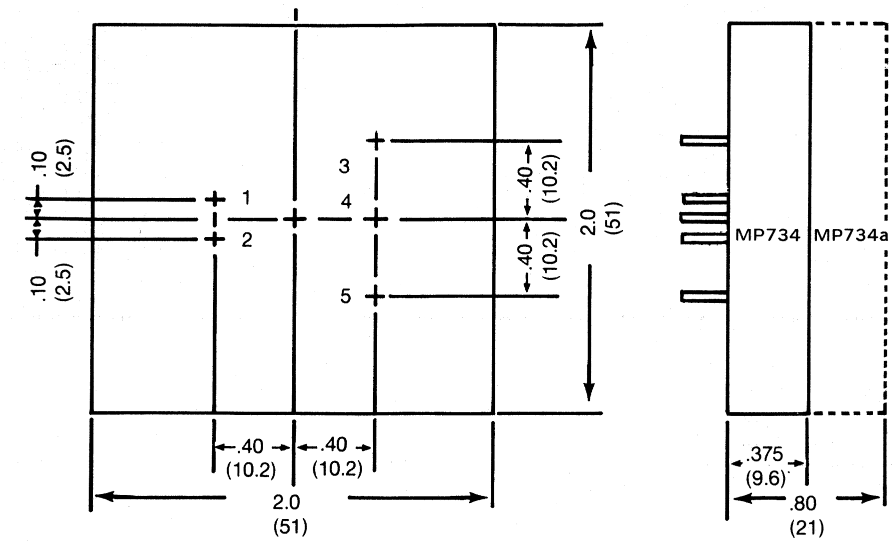


MP733



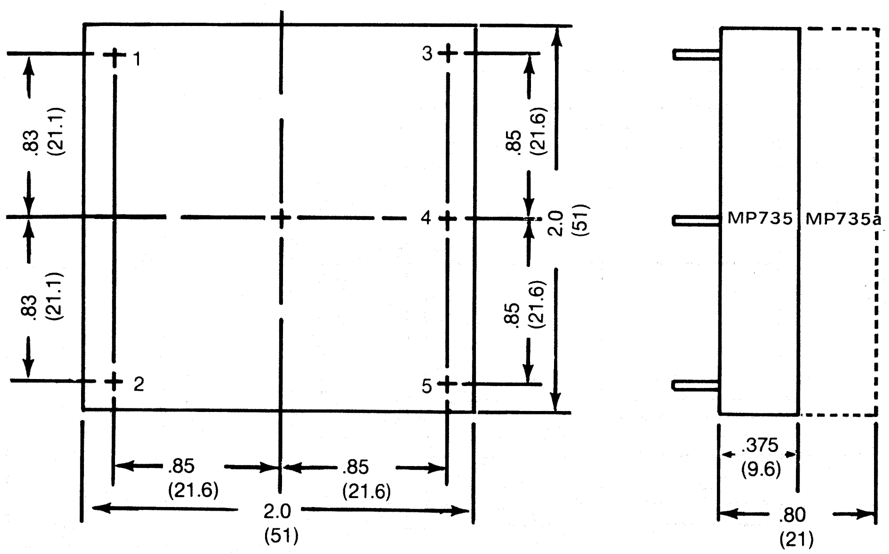
NOTES:
1. All dimensions in inches (mm).
2. Pins are .020 (5) diameter.

MP734



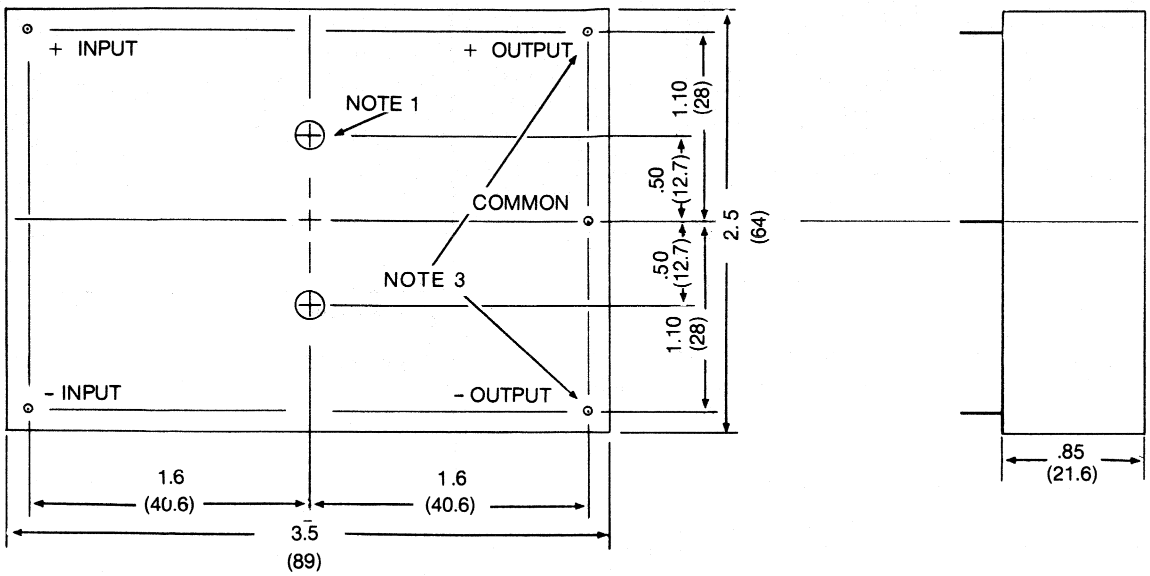
NOTES:
1. All dimensions in inches (mm).
2. Pins are .040 (1.0) diameter.

MP735



NOTES:
1. All dimensions in inches (mm).
2. Pins are .040 (1.0) diameter.

MP736



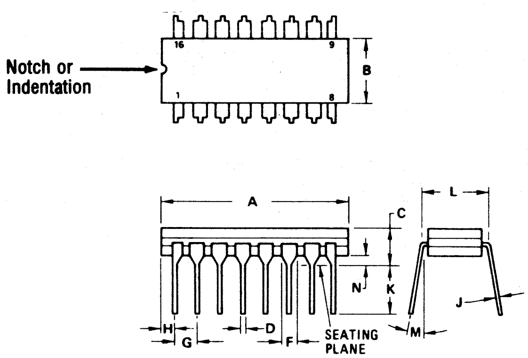
NOTE 1.
Two mounting inserts 4-40 x 0.1 (2.5) deep min.

NOTE 2.
Connecting pins .040 (1) dia x 0.20 (5.1) long min.

NOTE 3.
Single output units have (-) output and common connected together.

NOTE 4.
Dimensions are in inches (mm).

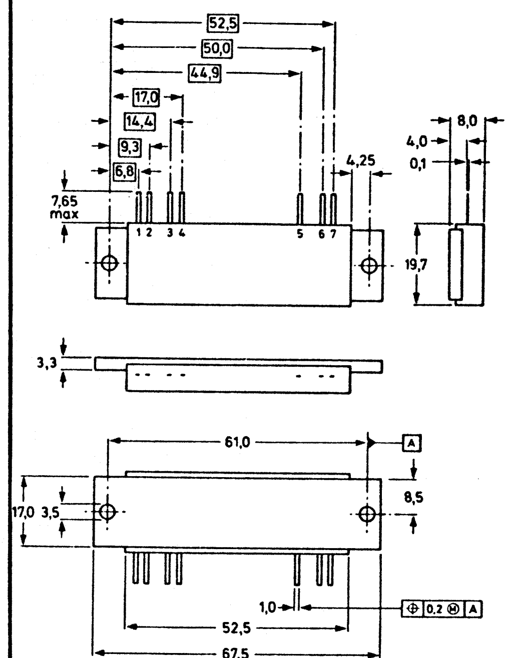
MP737



DIMENSIONS IN "MM"

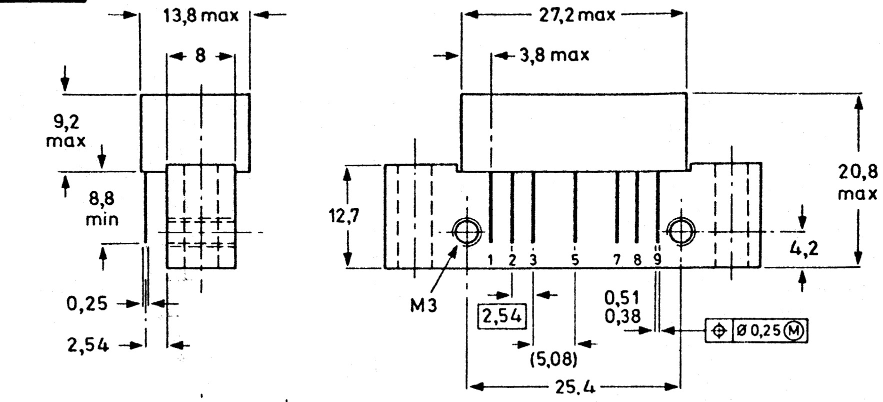
	A	B	C	D	F	G	H	J	K	L	M	N
MP737	18.9 / 19.9	6.10 / 6.98	3.94 / 5.08	.360 / .510	.890 / 1.65	2.54 TYP	.390 / 1.52	.200 / .300	2.54 / 4.06	7.62 TYP	15°	.510 / 1.27
MP737a	18.9 / 19.9	6.10 / 6.60	3.05 / 4.06	.360 / .510	.890 / 1.65	2.54 TYP	.390 / 1.52	.200 / .300	3.18 / 3.81	7.62 TYP	15°	.510 / 1.65
MP737b	18.9 / 21.9	6.10 / 6.60	3.94 / 5.08	.360 / .510	.890 / 1.65	2.54 TYP	.390 / 1.83	.200 / .300	2.92 / 3.81	7.62 TYP	15°	.510 / 1.27

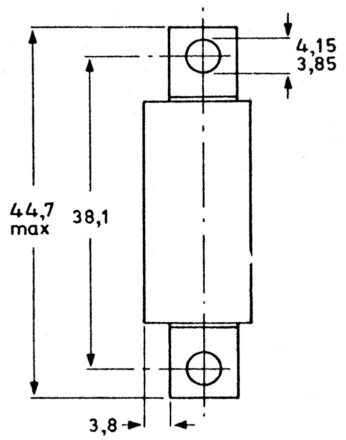
MP738



DIMENSIONS IN "MM"

MP739



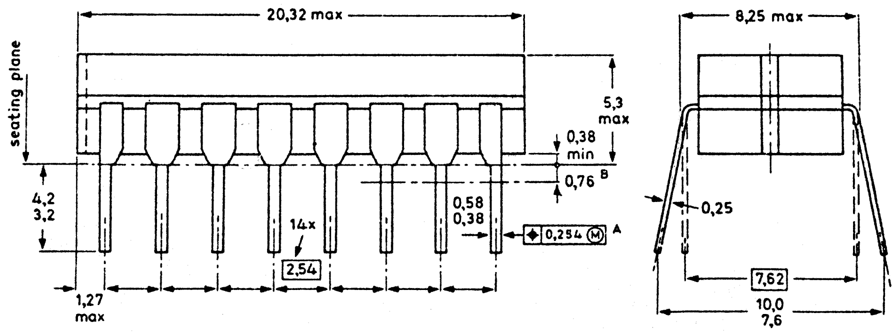


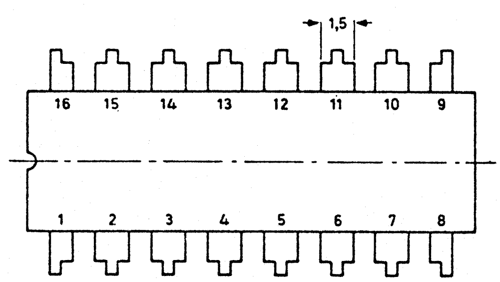
⌖ Positional accuracy.

Ⓜ Maximum material condition.

DIMENSIONS IN "MM"

MP740





top view

⌖ Positional accuracy.

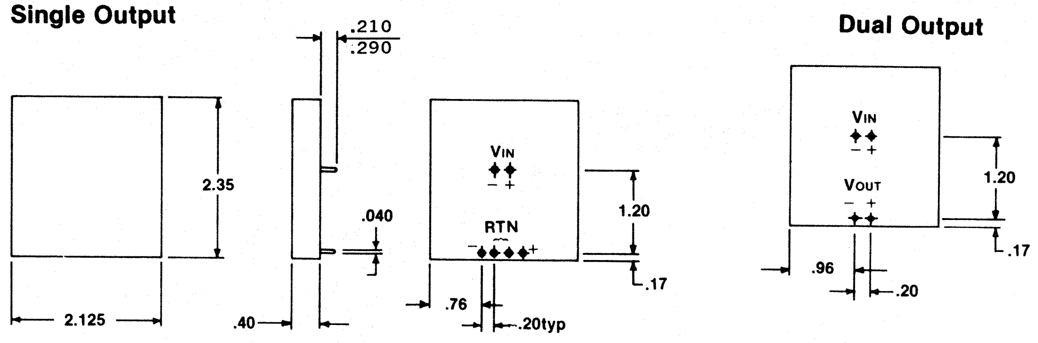
Ⓜ Maximum Material Condition.

A Centre-lines of all leads are within ±0,127 mm of the nominal position shown; in the worst case, the spacing between any two leads may deviate from nominal by ±0,254 mm.

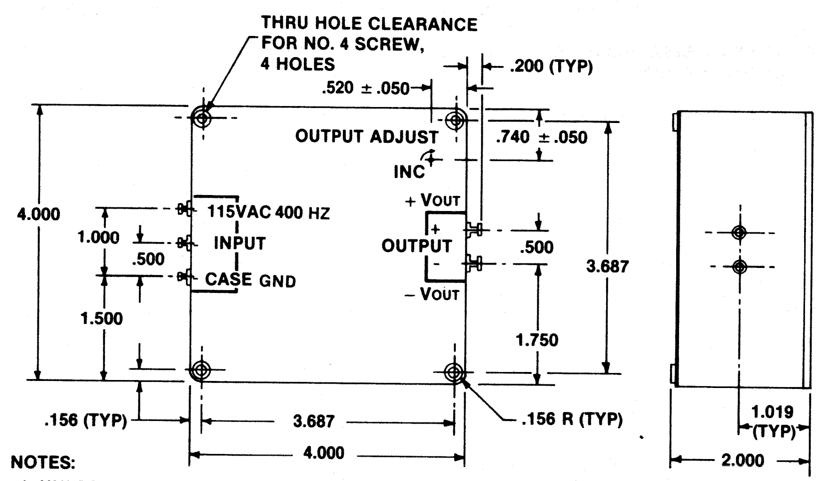
B Lead spacing tolerances apply from seating plane to the line indicated.

DIMENSIONS IN "MM"

MP741

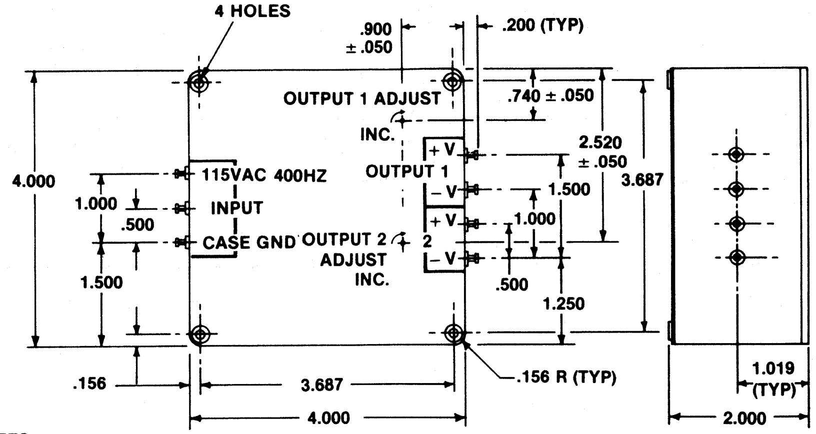


MP742



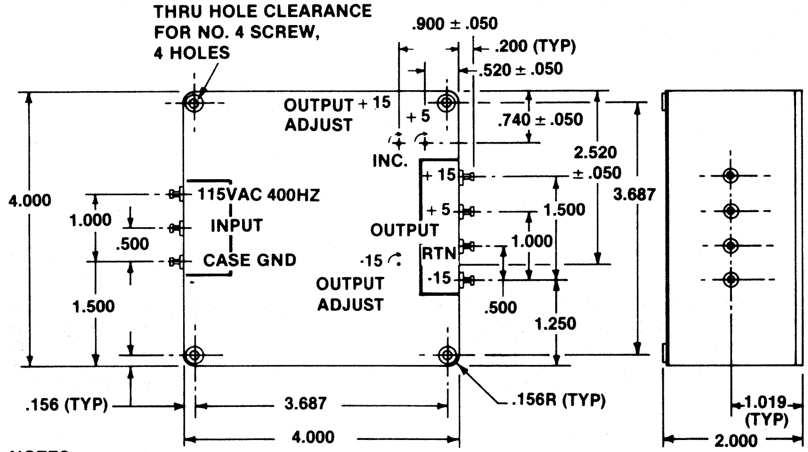
NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE ± .020.

MP743



NOTES:
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE ±.020.

MP744

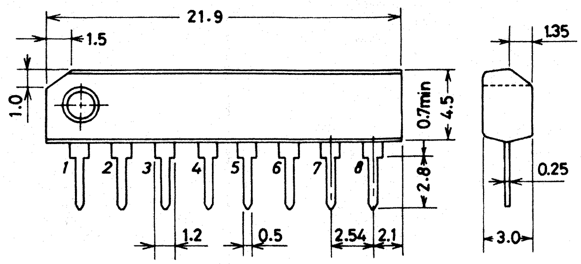


NOTES:
1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE ±.020.

14. OUTLINE DRAWINGS

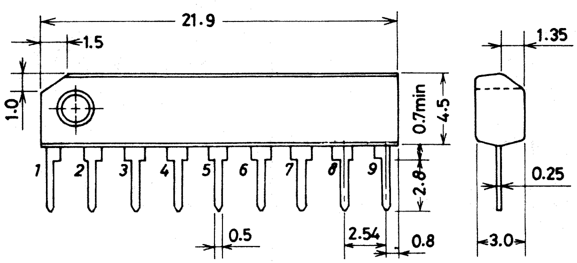
IN DRAWING NUMBER SEQUENCE

MP745



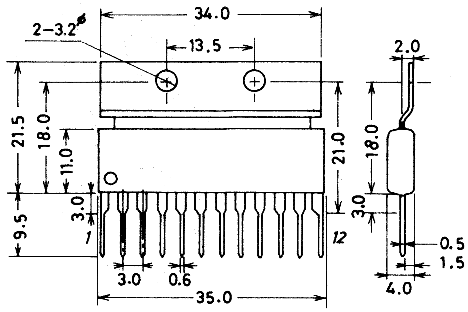
DIMENSIONS IN "MM"

MP746



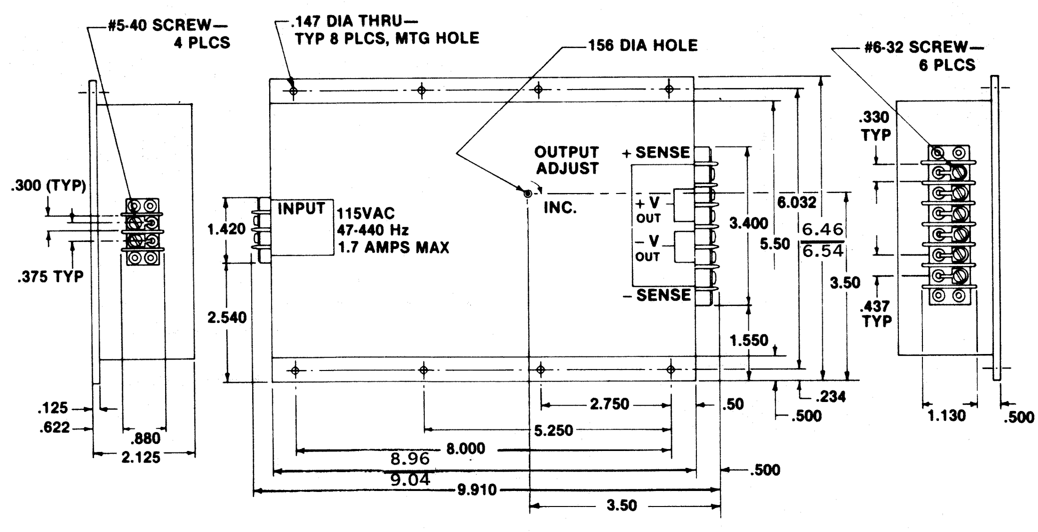
DIMENSIONS IN "MM"

MP747

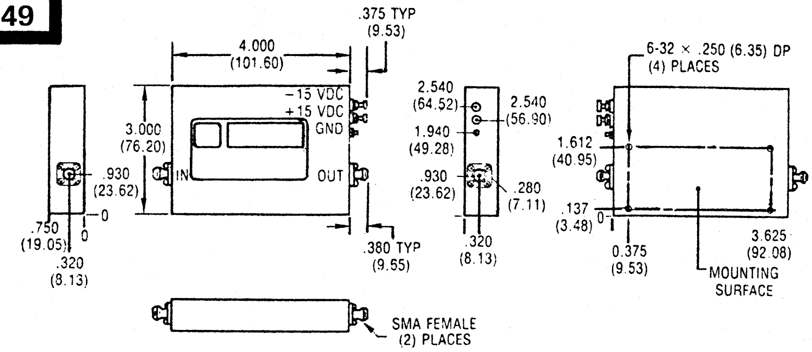


DIMENSIONS IN "MM"

MP748

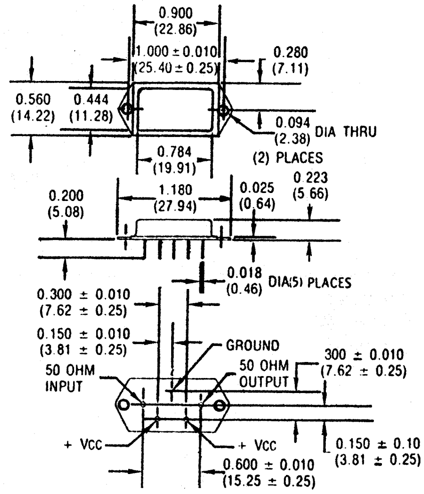


MP749



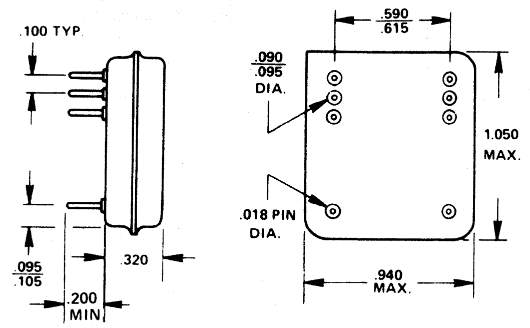
DIMENSIONS ARE IN INCHES (MILLIMETERS).

MP750

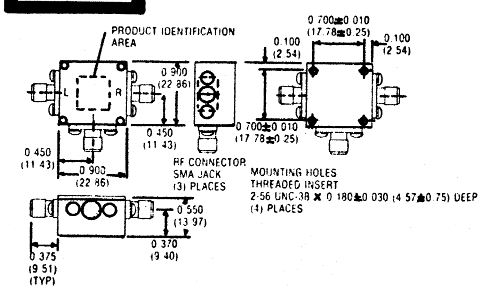


DIMENSIONS ARE IN INCHES (MILLIMETERS)

MP751

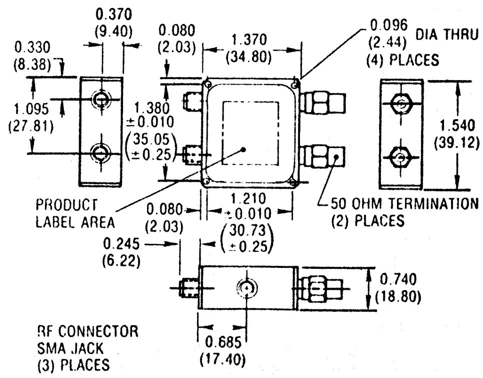


MP752



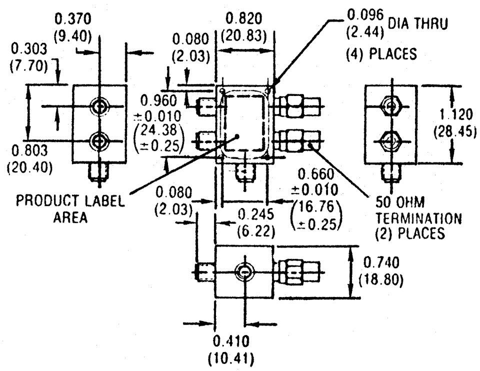
DIMENSIONS ARE IN INCHES (MILLIMETERS).

MP753



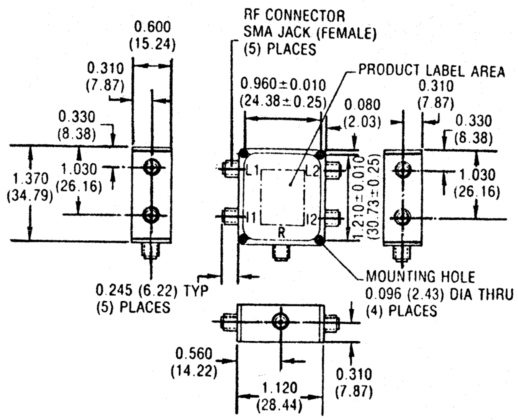
DIMENSIONS ARE IN INCHES (MILLIMETERS) WITH TOLERANCES ±0.015 (±0.38).

MP754



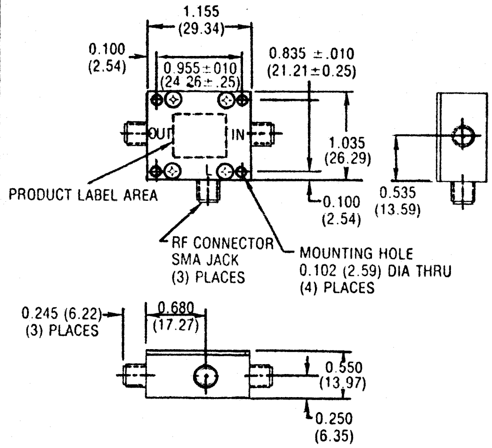
DIMENSIONS ARE IN INCHES (MILLIMETERS) WITH TOLERANCES ±0.015 (±0.38).

MP755



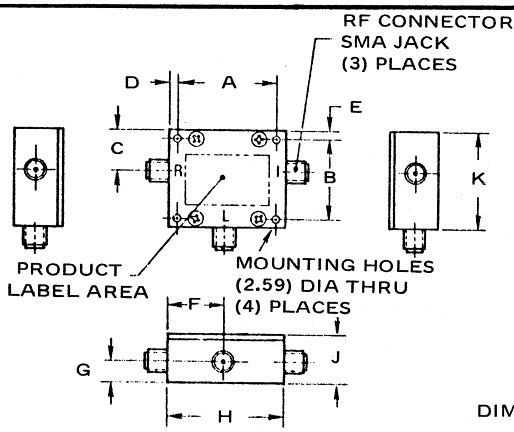
DIMENSIONS ARE IN INCHES (MILLIMETERS) WITH TOLERANCES ±0.015 (±0.38)

MP756



DIMENSIONS IN INCHES (MM)
TOLERANCES ±0.015 (±0.38)

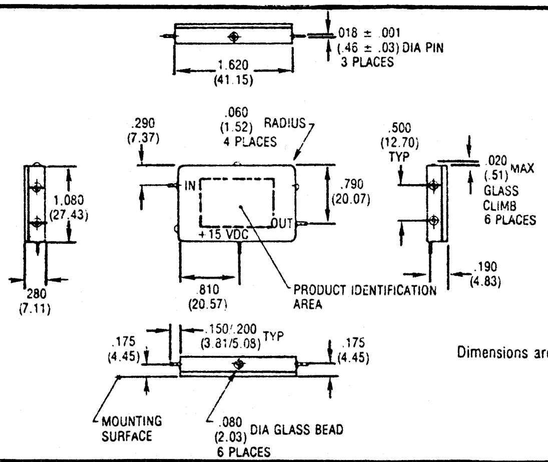
MP757



	A	B	C	D	E	F	G	H	J	K
MP757	24.64 25.14	21.85 22.35	12.45 TYP	2.16 3.92	2.16 3.92	13.56 14.32	5.97 6.73	29.59 30.35	13.59 14.35	26.80 27.56
MP757a	28.20 28.70	23.11 23.61	11.71 12.47	2.16 3.92	2.16 3.92	15.67 16.43	5.97 6.73	33.15 33.91	13.59 14.35	28.07 28.83

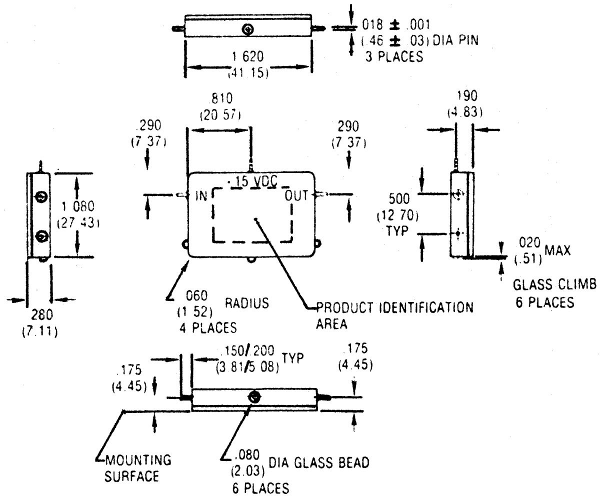
DIMENSIONS IN "MM"

MP758



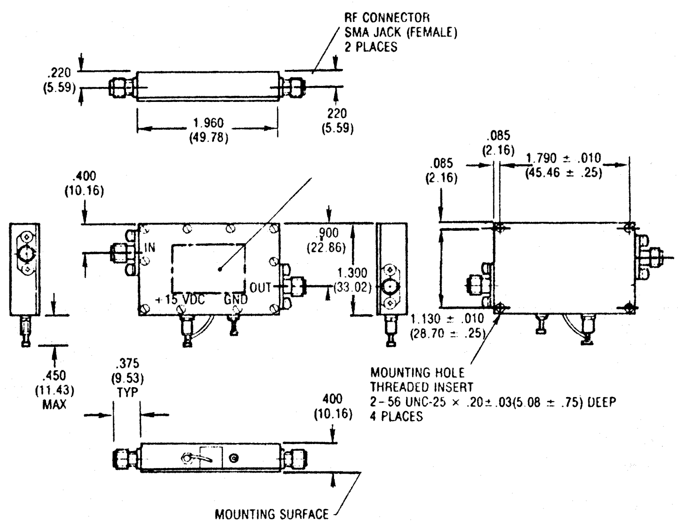
Dimensions are in inches (millimeters)

MP759



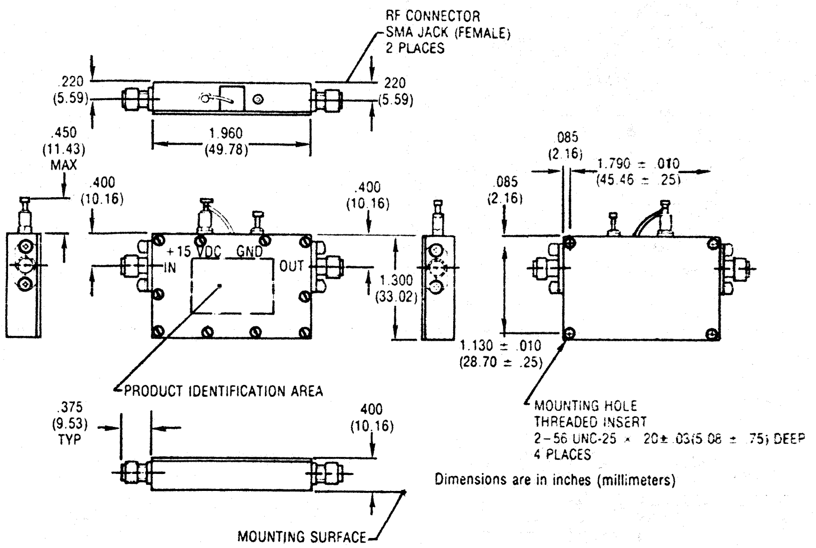
Dimensions are in inches (millimeters)

MP760



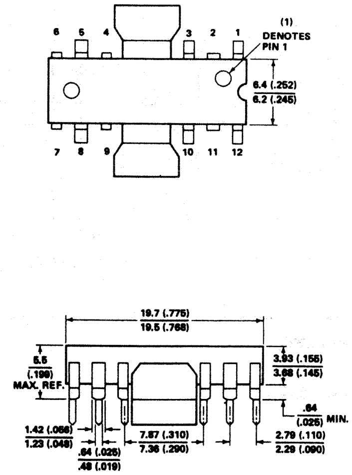
Dimensions are in inches (millimeters)

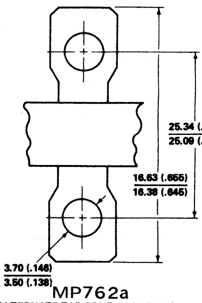
MP761



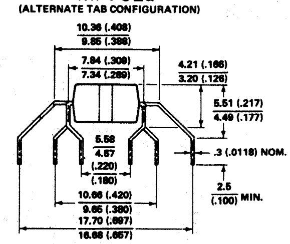
Dimensions are in inches (millimeters)

MP762

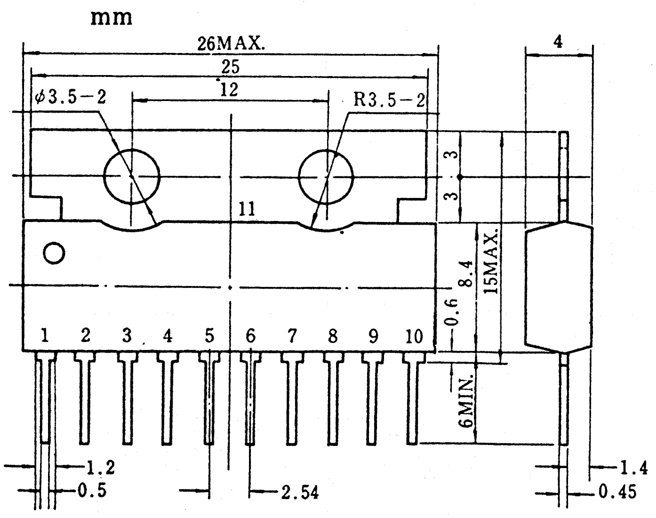




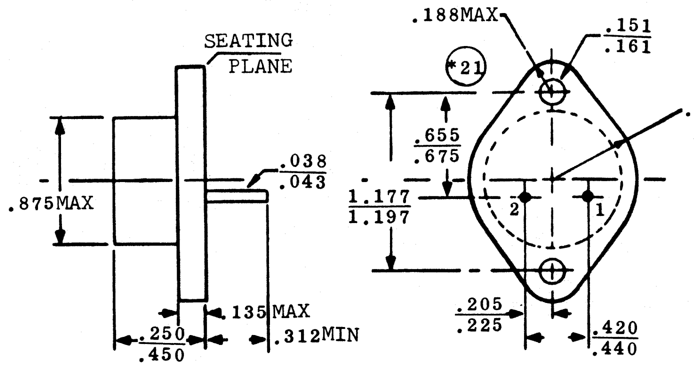
MP762a
(ALTERNATE TAB CONFIGURATION)



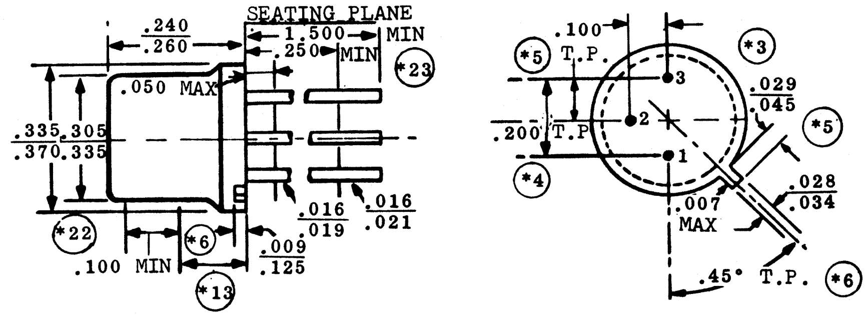
MP763



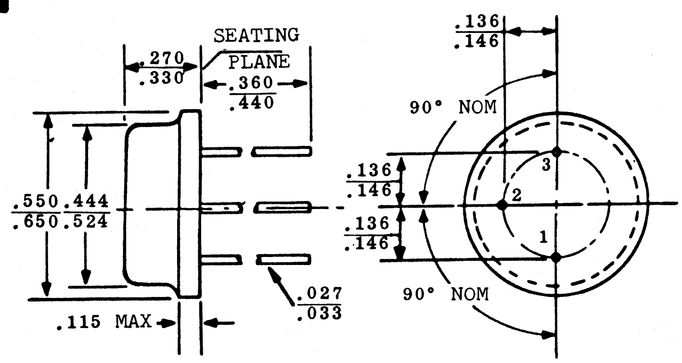
TO3



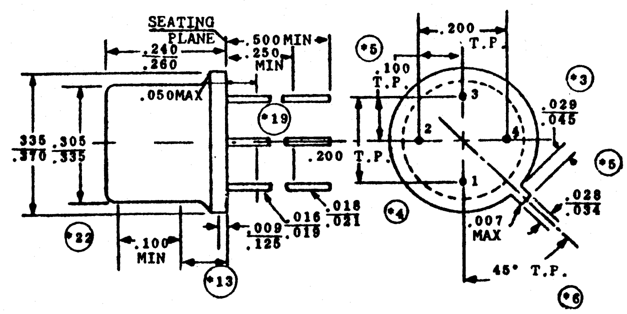
TO5



TO8



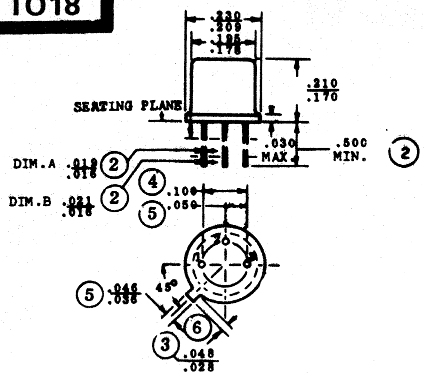
TO12



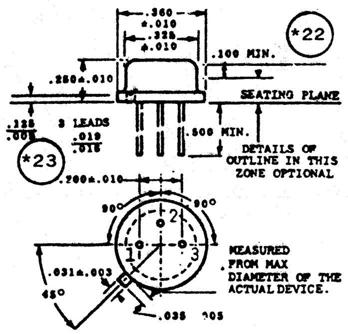
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

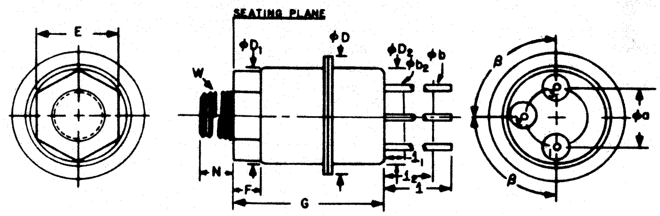
TO18



TO39



TO31



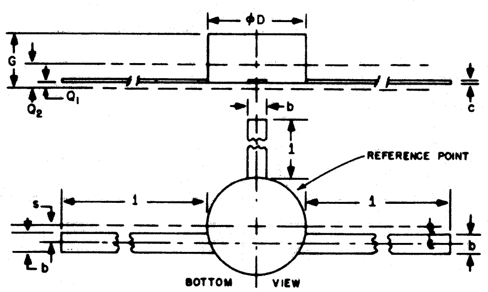
SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
A	.360	.390	9.14	9.91	
ϕa	.200 NOMINAL		5.08 NOMINAL		
ϕb		.021		.533	1
ϕb_2	.016	.019	.406	.483	1
ϕD	.360	.370	9.14	9.40	
ϕD_1	.295	.305	7.49	7.75	
ϕD_2	.290	.310	7.37	7.87	
E	.250		6.35		2
F	.105	.115	2.67	2.92	
l	1.500	1.688	38.10	42.88	
l_1		.050		1.27	
l_2	.250		6.35		
N	.375 NOMINAL		9.53 NOMINAL		
W					3
β	90° NOMINAL				

NOTES:

1. (THREE LEADS) ϕb_2 APPLIES BETWEEN l_1 AND l_2. ϕb APPLIES BETWEEN l_2 AND 1.5" (38.10 MM) FROM SEATING PLANE. DIAMETER IS UNCONTROLLED IN l_1 AND BEYOND 1.5" (38.10 MM) FROM SEATING PLANE.
2. HEX FOR STANDARD 1/4" IGNITION WRENCH.
3. 8-32 UNC-2A.

THIS OUTLINE DOES NOT MEET THE MINIMUM CRITERIA ESTABLISHED BY JS-10 FOR REGISTRATION.

TO51

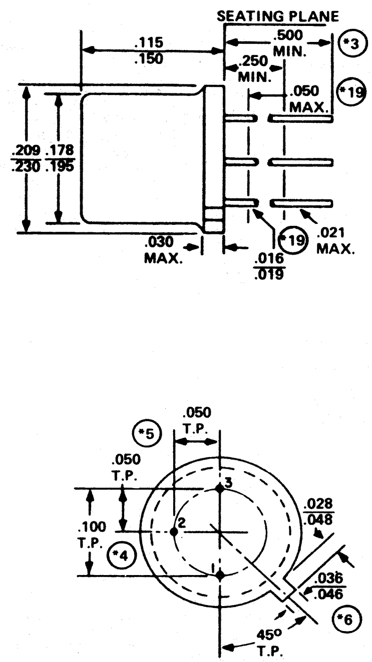


SYMBOL	INCHES MIN.	INCHES MAX.	MILLIMETERS MIN.	MILLIMETERS MAX.	NOTES
b	.015	.028	.381	.711	
c	.003	.005	.076	.127	
ϕD	.140	.165	3.56	4.19	2
G	.040	.060	1.02	1.52	
l	.250		6.35		
Q_1		.010		.254	1
Q_2		.025		.635	1
s	.015	.035	.381	.889	1

NOTES:

1. LEADS SHALL EMERGE FROM THE ϕD DIMENSION WITHIN THE LIMITS INDICATED BY THE s, Q_1, AND Q_2 DIMENSIONS.
2. MINIMUM AND MAXIMUM DIMENSIONS BOTH APPLY TO THE MAJOR (LARGEST) DIAMETER ONLY.

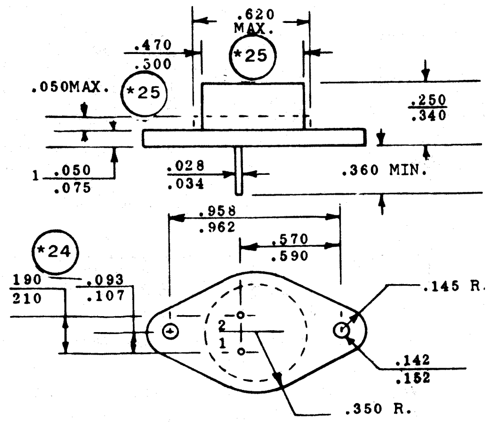
TO52



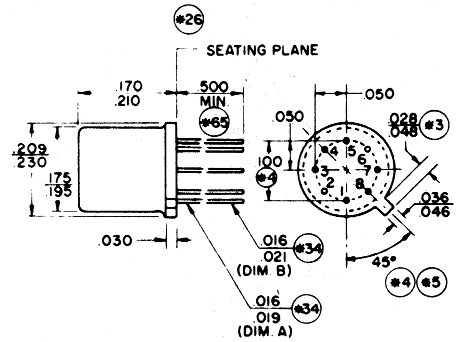
14. OUTLINE DRAWINGS

IN DRAWING NUMBER SEQUENCE

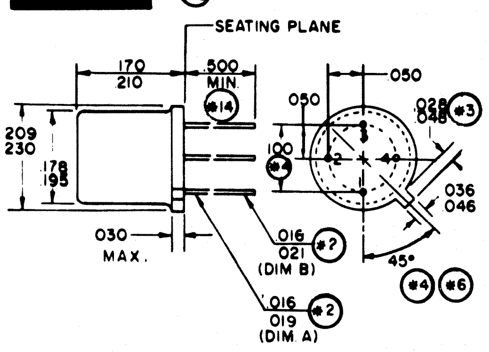
TO66



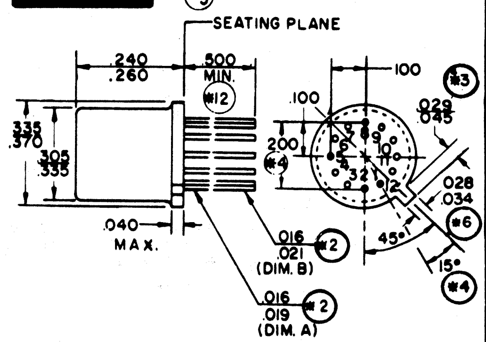
TO71



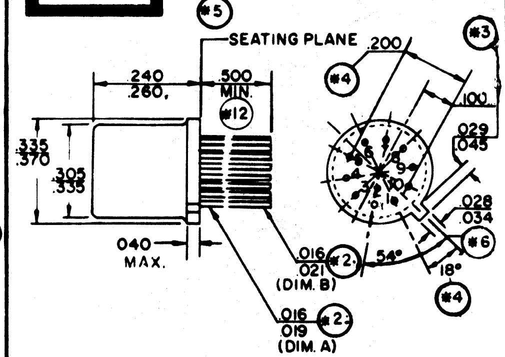
TO72



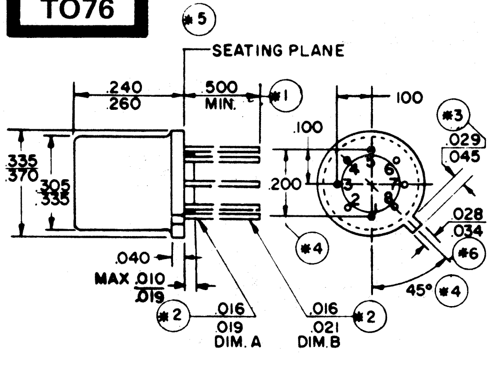
TO73



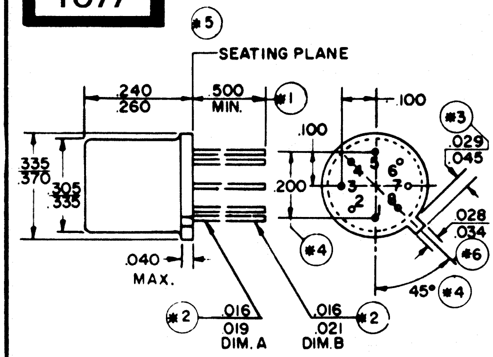
TO74



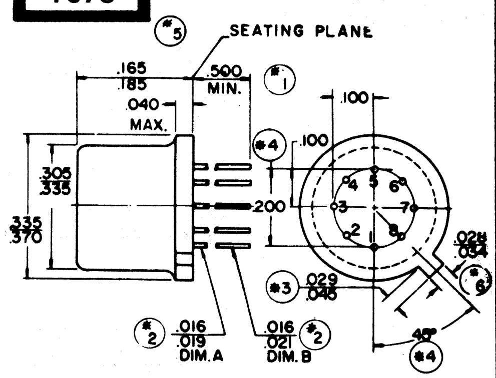
TO76



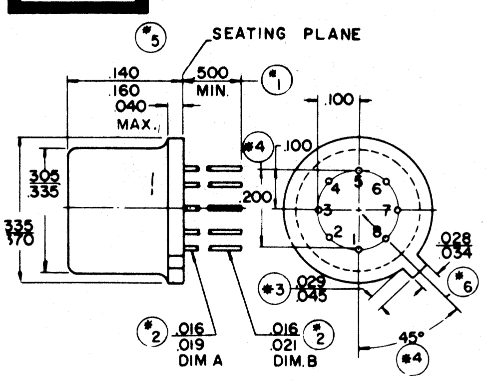
TO77



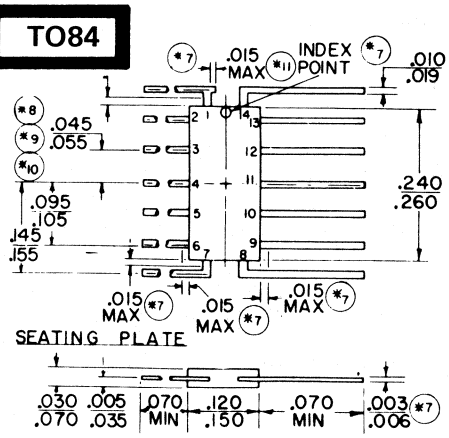
T078



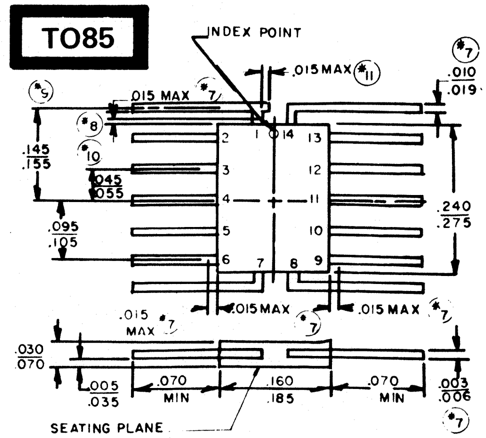
TO79



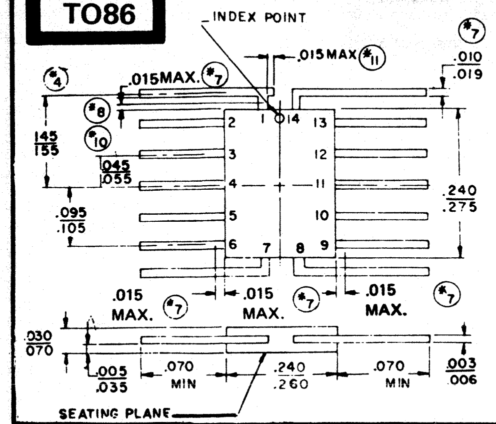
TO84



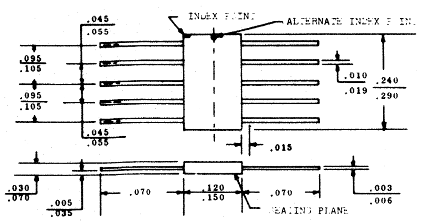
TO85



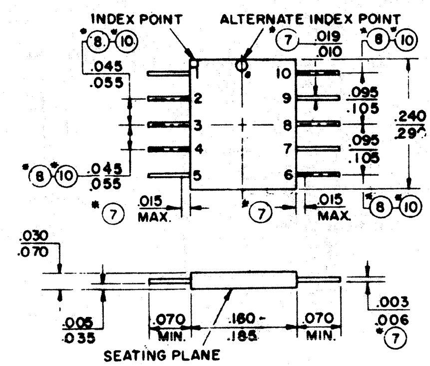
TO86



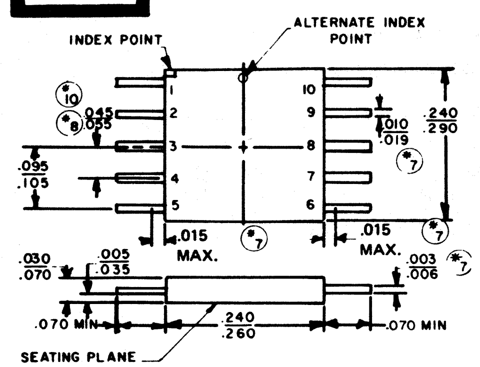
TO89



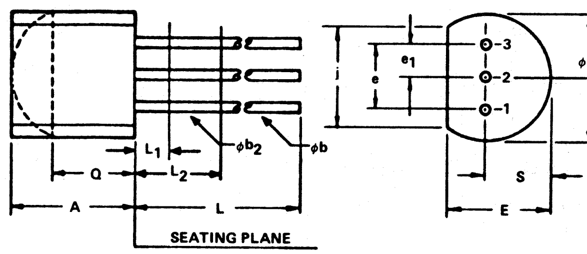
TO90



TO91

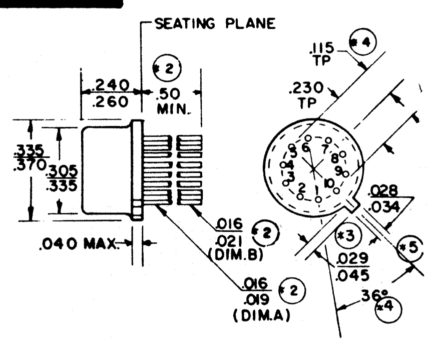


TO92

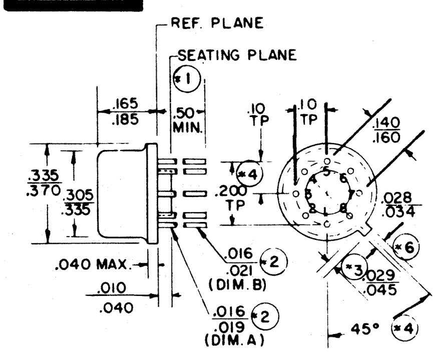


SYMBOL	INCHES MIN	INCHES MAX	MILLIMETERS MIN	MILLIMETERS MAX	NOTES
A	.170	.210	4.58	5.33	
Øb	.016	.021	.407	.533	*19
Øb2	.016	.019	.407	.482	*19
ØD	.175	.205	4.96	5.20	
E	.125	.165	3.94	4.19	
e	.095	.105	2.42	2.66	
e1	.045	.055	1.15	1.39	
j	.135		3.43		
L	.500		12.70		*19
L1		.050		1.27	*19
L2	.250		6.35		*19
Q	.115		2.93		*29
S	.080	.105	2.42	2.66	

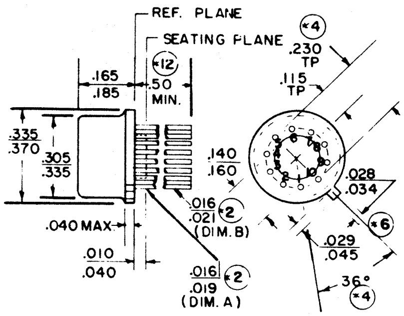
TO96



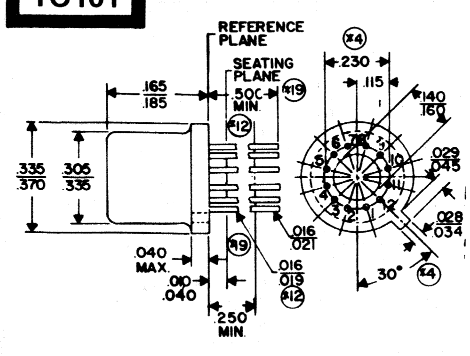
TO99



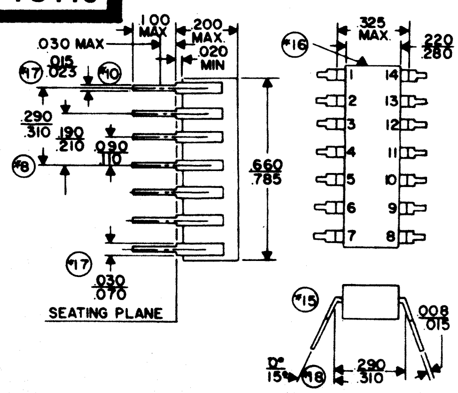
TO100



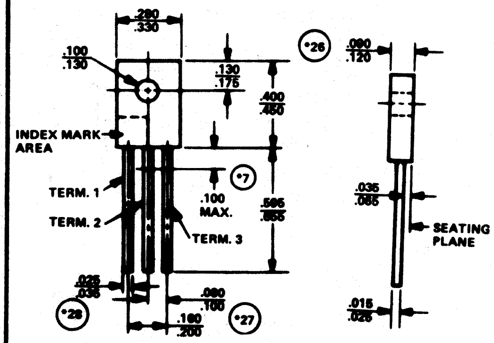
TO101



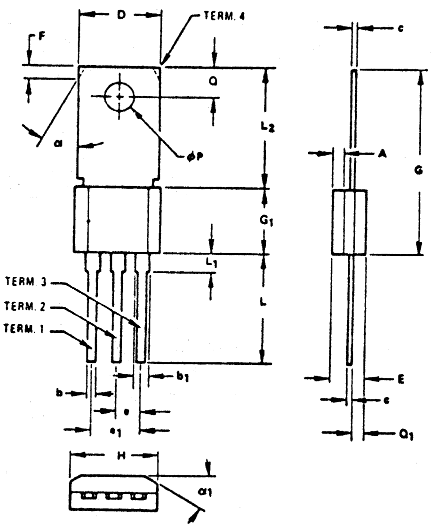
TO116



TO126



Y202/TO202



NOTES:

1. REFER TO APPLICABLE SYMBOL LIST.
2. DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1973.
3. CONTOUR OPTIONAL WITHIN DIMENSIONS SPECIFIED.
4. LEAD DIMENSIONS UNCONTROLLED IN THIS ZONE TO ALLOW FOR BODY AND LEAD IRREGULARITIES.
5. CONTROLLING DIMENSIONS: INCH.

SYMBOL	VARIATIONS (ALL DIMENSIONS SHOWN IN INCHES)								
	TO202AA/Y202a		NOTE	TO202AB/Y202b		NOTE	TO202AC/Y202c		NOTE
	MIN.	MAX.		MIN.	MAX.		MIN.	MAX.	
A	-	-		-	.060	3	-	.062	3
b	.045	.055		.023	.031		.023	.029	
b_1	-	-		.035	.055	3	.065	.080	
c	.010	.026		.018	.026		.019	.026	
D	.360	.400		.270	.410		.390	.410	
E	.120	.190		.130	.190		.173	.183	
e	.095	.105		.095	.105		.095	.105	
e_1	.190	.210		.190	.210		.190	.210	
F	-	-		-	.070	3	-	.060	3
G	-	-		.760	.840		.860	.880	
G_1	.280	.320		.230	.320		.310	.360	
H	-	-		.330	.420		.390	.400	
L	.371	.520		.380	.450		.480	.510	
L_1	-	.100	4	.050	.100	3,4	.067	.077	4
L_2	.480	.520		-	-		-	-	
$\emptyset P$	.123	.132		.123	.132		.140	.150	
Q	.095	.155		.115	.135		.140	.160	
Q_1	.039	.076		.039	.070		.042	.069	
α	-	-		-	30°	3	-	-	
α_1	-	-		-	50°	3	-	50°	3
NOTE	1, 2, 5			1, 2, 5			1, 2, 5		

Y220/TO220

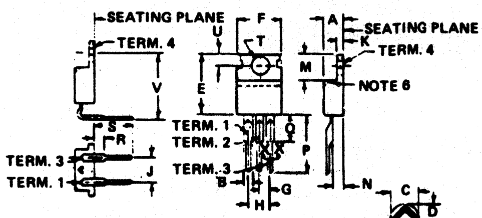


FIG. A
AXIAL (NOTE 2)

FIG. B
PERIPHERAL
(NOTE 3)

SECTION X–X

NOTES:
1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5—1973.
2. FIGURE A, AXIAL TERMINAL CONFIGURATION APPLICABLE.
3. FIGURE B, PERIPHERAL TERMINAL CONFIGURATION APPLICABLE.
4. ALTERNATE LEAD CONFIGURATION ALLOWED WITHIN C AND D.
5. TAB CONTOUR OPTIONAL WITHIN M AND F.
6. CHAMFER OPTIONAL.
7. POSITION OF LEAD TO BE MEASURED .050 - .055 BELOW SEATING PLANE.
8. POSITION OF LEAD TO BE MEASURED .250 - .255 FROM BOTTOM OF DIMENSION L.

	A	B	C	D	E	F	G	H	J	K	M	N	P	Q	R	S	T	U	V	NOTES
Y220a/	.140	.045	.020	.012	.560	.380			.190	.020	.230	.080			.050	.340	.139	.100	.580	2
TO220AA	.190	.070	.045	.045	.625	.420			.210	.055	.270	.115			MAX	.422	.147	.120	.610	
Y220b/	.140	.045	.020	.012	.560	.380	.090	.190		.020	.230	.080	.500	.250			.139	.100		3
TO220AB	.190	.070	.045	.045	.650	.420	.110	.210		.055	.270	.115	.580	MAX			.161	.135		
NOTES			5	5		6	9	9	8		6									

JEDEC "MO" DRAWING NOTES

1. Refer to rules for dimensioning axial lead product outlines.
2. Refer to rules for dimensioning peripherial lead outlines.
3. Leads within .005 radius of true position (TP) at gauge plane with maximum material condition and unit installed.
4. Leads within .003 or .007 radius of true position (TP) at gauge plane with maximum material condition.
5. Apply in zone measured .000 to .030 when unit installed. Leads within .005 radius of (TP) at gauge plane with maximum material condition.
6. Applies to spread leads prior to installation.
7. Dimension .016 to .019 applies between dimensions .000 to .050 and .250 to .500. Dimension .016 to .021 applies between dimensions .250 to .500 and .500 from seating plane. Diameter is uncontrolled in dimension .000 to .050 and beyond dimension .500.
8. Measured from maximum diameter of device.
9. These dimensions determine a zone within which all body and lead irregularities lie.
10. Body stand off four places, spherical radius on seating surface. Terminal lead stand offs omitted.
11. The body stand off group is centered on the module and the stand offs shall be within a .010 radius of their TP measured at gauge plane.
12. Mechanical index.
13. Radius three sides.
14. Draft four sides.
15. Either numeric or Alpha-numeric terminal lead designation system may be used for this outline. Alpha-numeric system is preferred.
16. Terminal lead stand off, four places. Centered on pin within .006. Body stand offs omitted.
17. Contour within dotted outline optional.
18. The dimension .016 to .019 applies between the dimensions .025 max and .070 min. Diameter is uncontrolled within the .025 dimension.
19. When base of body is to be attached to heat sink, terminal lead stand offs are not required and Dim. B equals 0. When Dim. B equals 0, the leads emerge from the body with the D dim. and reduce to the C dim. above the seating plane.
20. Contour optional.
21. Pin spacing is .100 TP except for outer most rows where spacing is 1.5x.100 TP. (For example - spacing between pin #64 and #1 is .150 TP, where as spacing between pin #1 and #2 and #3, etc. is .100 TP.)
22. Typical all sides.
23. Terminal lead shall be within .203 mm radius of their TP measured at gauge plane.
24. Visual index position relates to JEDEC outline TO-69. Visual index located within index area is preferred.
25. Distance between lead centerlines.

JEDEC "TO" DRAWING NOTES

1. Maximum number of leads omitted in this outline, Three (3). The number and position of present are indicated in the product registration. Outline designation determined by the location and minimum angular spacing of any two adjacent leads.

2. (All leads) Diameter is uncontrolled to .050 from seating plane and beyond minimum tolerance of lead length (1.5 or .5) from seating plane. Dim. A applies between .050 and .250 from seating plane. Dim. B applies between .250 and minimum tolerance of lead length from seating plane.

3. Measured from maximum diameter of the actual device.

4. Leads having maximum diameter .019 (.483MM) measured in gaging plane .054 (1.37MM) - .001 (.025MM) - .000 (.00MM) below the seating plane of the product shall be within .007 (.178MM) of their true position relative to a maximum width tab.

5. The product may be measured by direct methods or by gage.

6. Tab centerline.

7. Lead dimensions uncontrolled in this zone to allow for body and lead finish irregularities.

8. Leads missing from their designated positions shall also be counted when numbering leads for specific applications.

9. Spacing and angle of the end leads at the point of emergence of body is not controlled.

10. Leads spacing shall be measured within .030 (.762MM) from the point of emergence from the body or, as in the case of end lead, from the point where the extension of the body outline intersects the end leads.

11. Mechanical index, optional.

12. Maximum number of leads omitted in this outline, One (1). The number and position of leads actually present are indicated in the product registration. Outline designation determined by the location and minimum angular spacing of any two adjacent leads.

13. Irregularity in body outline not controlled in this zone.

14. Maximum number of leads omitted in this outline, None (0). The number and position of leads actually present are indicated in the product registration. Outline designation determined by the location and minimum angular or linear spacing of any two adjacent leads.

15. Overall installed width.

16. Index to be visible from top, this end only.

17. Lead transition geometry from .015/.023 to .030/.070 optional on body side of seating plane.

18. Installed position of lead centers.

19. (All leads) .016/.019 applies between .050 max. and .250 min. .016/.021 applies between .250 min. and .500 (12.70MM) from reference plane. Diameter is uncontrolled in .050 max. and beyond .500 (12.70MM) from reference plane.

20. Contour of package beyond this zone optional, but must be confined with .310/.330 and .120/.240.

21. These dimensions should be measured at points .050 (1.27MM) to .055 (1.40MM) below seating plane. When gage is not used, measurement will be made at seating plane.

22. This zone is controlled for automatic handling. The variation in actual diameter within the zone shall not exceed .010 (.254MM).

23. (Three Leads) Dim. .016-.019 applies between .050 max. and .250 min. Dim. .016-.021 applies between .250 and 1.5 (38.10MM) from seating plane. Diameter is uncontrolled in .050 max. and beyond 1.5 (38.10MM) from seating plane.

24. Dimension does not include sealing flanges.

25. The outline contour is optional within zone defined by these dimensions.

26. Maximum radius of .050 in. (1.27MM) on all body edges and corners.

27. Lead spacing to be measured between .100 in. (2.54 MM) and .125 in. (3.17MM) from the point of emergence from the body.

28. Typical all leads.

29. Contour of the package beyond this zone is uncontrolled.

SECTION 15

LINEAR IC

Manufacturers' Local Offices

These manufacturers have listed their local offices in this section for your convenience. Please contact the local office nearest you for any additional information you may need.

(MANUFACTURERS IN ORDER OF D.A.T.A. CODE LETTERS)

ALGG – AEG-TELEFUNKEN

	Zip Code	Telephone No.	TWX/Telex
Postfach 1109, Heilbronn, Germany	D7100	07131-8821	728746

APX – AMPEREX ELECTRONIC CORPORATION

	Zip Code	Telephone No.	TWX/Telex
Providence Pike, Slatersville, Rhode Island	02876	401-762-9000	710-387-1591

CHE – CHERRY SEMICONDUCTOR

	Zip Code	Telephone No.	TWX/Telex
(FORMERLY MICROCOMPONENTS CORPORATION)			
99 Bald Hill Road, Cranston, Rhode Island	02920	401-463-6000	710-381-1757

DTL — DATEL SYSTEMS, INC.

Address	Zip Code	Telephone No.	TWX/Telex
1020 Turnpike Street, Canton, Massachusetts	02021	617-828-8000	710-348-0135 Telex 924461

FERB — FERRANTI LIMITED

Address			Zip Code	Telephone No.	TWX/Telex
Gem Mill, Chadderton Oldham, Lancashire, England			OL9 8NP	061-624-0515	668038
GERMANY	Munich 22	Ferranti GmbH Widenmayerstrasse 5	D8000	089 293871	523980
UNITED STATES	New York	Ferranti Electric, Inc. East Bethpage Road Plainview	11803	516-293-8383	510-224-6483

FSC — FAIRCHILD CAMERA & INSTRUMENT CORPORATION

Address	Zip Code	Telephone No.	TWX/Telex
SEMICONDUCTOR PRODUCTS GROUP 464 Ellis Street, Mountain View, California	94042	415-962-5011	910-379-6435 Cable FAIRSEMCO

SEE OUR AD OUTSIDE BACK COVER

HSE – HYBRID SEMICONDUCTORS & ELECTRONICS INC.

	Zip Code	Telephone No.	TWX/Telex
56-32 210th Street, Oakland Gardens, New York	11364	212-631-2060	12-5856

SALES OFFICE

			Zip Code	Telephone No.	TWX/Telex
NEW YORK	Brooklyn	IS Electronics, Inc. Post Office Box 343 Bay Station	11235	212-336-7637	710-584-2460

LTIC – LINEAR TECHNOLOGY INC.

	Zip Code	Telephone No.	TWX/Telex
3435 Landmark Road, Burlington, Ontario, Canada	L7M 1T4	416-335-2996	061-8525 Cable LINEAR BURLINGTON

U.S.A.

			Zip Code	Telephone No.	TWX/Telex
ARIZONA NEW MEXICO	Phoenix	Toward Engineering Associates Post Office Box 15268 Arcadia Station	85018	602-955-3193	

INTERNATIONAL

			Zip Code	Telephone No.	TWX/Telex
AUSTRALIA	Sydney (N.S.W.)	F. Perot and Company Box 4067 G.P.O.	2001	358-3369 357-2233	23114
ITALY	Milano	Metroelettronica Viale Cirene, 18	20135	(02) 5462641	33168 METRONIC
JAPAN	Tokyo	NACO Corporation Komatsu Bldg., 3-6 2-Chome Akasaka, Minato-ku		03-585-8991	242-4894 NACOJA J Cable NACOJATOK

MNC – MICRO NETWORKS CORPORATION

	Zip Code	Telephone No.	TWX/Telex
324 Clark Street, Worcester, Massachusetts	01606	617-852-5400	710-340-0067

MPI – MICROPAC INDUSTRIES INC.

	Zip Code	Telephone No.	TWX/Telex
905 East Walnut Street, Garland, Texas	75040	214-272-3571	910-860-5186

INTERNATIONAL

WEST GERMANY	28 Bremen 1	Micropac Industries Am. Wall 127 Attn: Mr. Gerhard Meier	0421-314056

NSC – NATIONAL SEMICONDUCTOR CORPORATION

	Zip Code	Telephone No.	TWX/Telex
2900 Semiconductor Drive, Santa Clara, California	95011	408-737-5000	910-339-9240

SALES OFFICES AND REPRESENTATIVES

State	City	Office	Zip Code	Telephone No.	TWX/Telex
ALABAMA	Huntsville	National Semiconductor (Dixie Regional Office) 3322 Memorial Parkway, SW Suite 14	35801	205-881-0622	810-726-2207
		Interep Associates, Inc. 3322 Memorial Parkway, SW No. 67	35801	205-881-3677	
ARIZONA	Scottsdale	National Semiconductor (Rocky Mountain Regional Office) 7353 Sixth Avenue	85251	602-945-8473	910-950-1195
		Fred Board Associates Post Office Box 1906	85252	602-994-9388	910-950-1195
CALIFORNIA	Santa Clara	National Semiconductor (Northwest Regional Office) 1333 Lawrence Expressway Suite 258	95051	408-247-6397	910-338-0537
		Criterion Sales, Inc. 2225 J. Martin Avenue	95050	408-243-3600	
	Irvine	National Semiconductor (Area Office) 17870 Sky Park Circle No. 108	92714	714-957-1626	
	Sherman Oaks	National Semiconductor (Los Angeles Regional Office) Valley Freeway Center Building 15300 Ventura Boulevard Suite 405	91403	213-783-8272	910-495-1773

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NSC – NATIONAL SEMICONDUCTOR CORPORATION (Cont'd)

	Zip Code	Telephone No.	TWX/Telex
2900 Semiconductor Drive, Santa Clara, California	95011	408-737-5000	910-339-9240

State	City	Address	Zip Code	Telephone No.	TWX/Telex
CALIFORNIA (Cont'd)	San Diego	National Semiconductor (District Sales Office) 8333 Clairemont Mesa Boulevard	92111	714-565-8411	910-335-1566
		S. R. Electronics 10951 Sorrento Valley Road	92121	714-455-0300	910-335-1566
	Tustin	National Semiconductor (Southern California Regional Office) 17452 Irvine Boulevard Suite B	92680	714-832-8113	910-595-1523
COLORADO	Denver	Electrodyne, Inc. ** 4600 East Asbury Circle Suite 402	80222	303-757-7679	910-931-0428
CONNECTICUT	Wilton	National Semiconductor (Northeast Area Sales Office) Piersall Building - Suite 415 Wilton Center	06897	203-762-0378	710-479-3512
	Westport	NRG Limited 50 Post Road	06880	203-226-7527	710-457-2169
FLORIDA	Fort Lauderdale	National Semiconductor (Regional Office) 1001 NW 62nd Street Suite 100	33309	305-772-6970	510-955-9708
	Maitland	QXI 235 Maitland Avenue Suite 111	32751	305-647-1188	810-853-0260
	St. Petersburg	QXI 300 31st Street No. 319	33713	813-821-2281	810-863-0354
	Tamarac	QXI 4620 West Commercial Blvd. Suite C	33319	305-485-6030	

** Applications Engineer Available

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NSC – NATIONAL SEMICONDUCTOR CORPORATION (Cont'd)

			Zip Code	Telephone No.	TWX/Telex
2900 Semiconductor Drive, Santa Clara, California			95011	408-737-5000	910-339-9240
GEORGIA	Atlanta	Interep Associates, Inc. 7 Dunwoody Park Suite 112	30341	404-394-7756	810-757-0182
ILLINOIS	Mt. Prospect	National Semiconductor (West-Central Regional Office) 800 East Northwest Highway Suite 203	60056	312-394-8040	910-689-3346
	Arlington Heights	Delta Technical Sales 3323 North Ridge Avenue	60004	312-253-9440	910-687-2273
INDIANA	Indianapolis	National Semiconductor (North-Central Regional Office) Post Office Box 40073	46240	317-255-5822	810-341-3300
		Advanced Component Sales 5746 Brendon Way West Drive Post Office Box 26407	46226	317-545-6441	810-341-3233
	Fort Wayne	Advanced Component Sales 1010 Memorial Way Suite 1	46805	219-484-0722	810-332-1472
IOWA	Cedar Rapids	Gassner & Clark Company 1834 Blairs Ferry Road, NE	52402	319-393-5763	910-525-2051
MARYLAND	Glen Burnie	National Semiconductor (Capitol Regional Office) 95 Aquahart Road Suite 204	21061	301-760-5220	710-867-0508
		TRIMARK, Inc. 95 Aquahart Road Suite 204	21061	301-768-2800	710-867-0508

Continued on next page

NSC – NATIONAL SEMICONDUCTOR CORPORATION (Cont'd)

			Zip Code	Telephone No.	TWX/Telex
2900 Semiconductor Drive, Santa Clara, California			95011	408-737-5000	910-339-9240
MASSACHUSETTS	Lexington	National Semiconductor (North-East Regional Office) 9 Meriam Street Suite 16	02173	617-861-6090	710-326-6979
		A/D Systems Sales, Inc. 594 Marrett Road	02173	617-861-6370	
MICHIGAN	Farmington Hills	National Semiconductor (District Sales Office) 27650 Farmington Road	48018	313-553-0600	810-242-2902
	Grand Rapids	Representative of Electronic Products 3501 Lake Eastbrook SE	49506	616-942-1320	
	Southfield	Representative of Electronic Products North Park Office Plaza 17117 West 9-Mile Road Suite 420	48075	313-559-1080	810-224-4976
MINNESOTA	Minneapolis	National Semiconductor (Regional Office) 8200 Humboldt Avenue S.	55431	612-888-3060	910-576-3415
		Stan Clothier Comapny ** 7423 Washington Avenue S.	55435	612-944-3456	910-576-3415
MISSOURI	Earth City	Cen Tech 514 Earth City Plaza	63045	314-731-4220	910-762-0638
	Raytown	Cen Tech 6310 Ash	64111	816-358-8100	910-777-2007
NEW JERSEY	Englewood Cliffs	National Semiconductor (Mid-Atlantic Regional Office) 140 Sylvan Avenue	07632	201-461-2789	710-991-9734
	Fort Lee	New Jersey NECCO 2460 Lemoine Avenue	07024	201-461-2789	134-526

** Applications Engineer Available

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NSC – NATIONAL SEMICONDUCTOR CORPORATION (Cont'd)

			Zip Code	Telephone No.	TWX/Telex
2900 Semiconductor Drive, Santa Clara, California			95011	408-737-5000	910-339-9240
NEW MEXICO	Albuquerque	A. Q. Electronics Post Office Box 6505	87107	505-883-1003	910-989-1653
NEW YORK (Upstate)	Syracuse	National Semiconductor (CAN-AM Regional Office) 104 Pickard Drive	13211	315-455-5868	
		Electra Sales Corporation 104 Pickard Drive	13211	315-455-5783	710-541-0418
	Poughkeepsie	National Semiconductor (Regional Office) 576 South Road. Room 128	12601	914-462-2380	510-248-0043
	Rochester	Electra Sales Corporation 474 Thurston Road	14619	716-436-4030 716-436-4037	
(Metropolitan area)	Melville	LEJ Component Sales 401 Broad Hollow Road	11746	516-694-9090	
		National Semiconductor (Mid-Atlantic Regional Office)		516-621-2589	710-479-3512
NORTH CAROLINA	Highpoint	Engineering Devices Corporation Post Office Box 5067	27262	919-869-7200	
OHIO	Highland Heights	National Semiconductor (East Central Regional Office) 19 Alpha Park	44143	216-461-0191	810-427-2972
		Micro-Tec, Inc. 19 Alpha Park	44143	216-461-0191	810-427-2972
	Columbus	Micro-Tec, Inc. 6076 Busch Blvd. Suite 3	43029	614-888-9761/2	
	Dayton	Micro-Tec, Inc. 1413 Acorn Drive	45419	513-294-6441	810-459-1615

Continued on next page

NSC – NATIONAL SEMICONDUCTOR CORPORATION (Cont'd)

State	City	Address	Zip Code	Telephone No.	TWX/Telex
2900 Semiconductor Drive, Santa Clara, California			95011	408-737-5000	910-339-9240
OREGON	Beaverton	Vantage Corporation 3950 SW 102nd Street Suite 122	97005	503-646-3466	
PENNSYLVANIA	Fort Washington	National Semiconductor (Liberty Regional Office) 500 Office Center Drive	19034	215-628-8877	510-661-3986
	Huntington Valley	Omega Electronic Sales, Inc. 1 Fairway Plaza Philmont Avenue Red Lion Road Suite 210	19006	215-947-4135	510-665-5485
TEXAS	Dallas	National Semiconductor (South-Central Regional Office) 13773 North Central Expressway Suite 1132	75243	214-690-4552	910-867-4741
	El Paso	A. Q. Electronics 2211 East Missouri Street Suite N-218	79903	915-545-2363	
	Garland	Carter Associates, Inc. Post Office Box 87	75040	214-276-7151	910-860-5097
	Houston	Carter Associates Inc. ** 3701 West Alabama Street Suite 360	77027	713-621-6930	
WASHINGTON	Bellevue	National Semiconductor (District Sales Office) 300 120th NE Avenue Building 7 - Suite 207	98005	206-454-4600	
		Vantage Corporation 300 120th NE Avenue Building 7 - Suite 207	98005	206-455-3460	

** Applications Engineer Available

Continued on next page

NSC — NATIONAL SEMICONDUCTOR CORPORATION (Cont'd)

	Zip Code	Telephone No.	TWX/Telex
2900 Semiconductor Drive, Santa Clara, California	95011	408-737-5000	910-339-9240

INTERNATIONAL

Country	City	Address	Zip Code	Telephone No.	TWX/Telex
AUSTRALIA	Bayswater (Victoria)	NS Electronics Pty., Ltd. Cnr. Stud Road & Mountain Highway	3153	03-729-6333	32096
BRASIL	Sao Paulo	NS Electronics Do Brasil Avda Brigadeiro Faria Lima 844 11 Andar Conjunto 1104 Jardim Paulistano			1121008 CABINE SAO PAULO
HONG KONG	Kwun Tong (Kowloon)	NS Electronics (Hong Kong) Ltd. Cheung Kong Electronic Building 4 Hing Yip Street - 8th Floor		3-411241-8	73866 NSEHK HX Cable NATASEMI
JAPAN	Tokyo	NS International Inc., Japan Miyake Building 1-9 Yotsuya, Shinjuku-ku 160		(03)355-3711	232-2015 NSCJ-J
WEST GERMANY	Munchen 21	National Semiconductor GmbH 61/2 Eisenheimerstrasse	8000	089/15027	05-22772
CANADA (Western Provinces)	Bellevue (Washington)	National Semiconductor (District Sales Office) 300 120th NE Avenue Building 2 - Suite 205	98005	206-455-3460	
		Vantage Corporation 300 120th NE Avenue Building 2 - Suite 207	98005	206-455-3460	
(Eastern Provinces)	Downview (Ontario)	National Semiconductor (District Sales Office) 286 Wildcat Road	M3J 2N5	416-661-8022	
	Mississauga (Ontario)	Canadian Micro Sales, Inc. 2780 Slough Street	L4T 1G3	416-677-6633	610-492-4012

OPA – OPAMP LABS INC.

	Zip Code	Telephone No.
1033 North Sycamore Avenue, Los Angeles, California	90038	213-934-3566

PHIN – PHILIPS GLOEILAMPENFABRIEKEN

			Zip Code	Telephone No.	Cable
PRODUCT DIVISION ELCOMA Building BA, Eindhoven, Netherlands				(040)79 11 11	PHILIPS EINDHOVEN
ARGENTINA	Buenos Aires	Fapesa I.y.C Av. Crovara 2550		652 3983	
AUSTRALIA	Lane Cove	Philips Industries, Ltd. Elcoma Division 67 Mars Road	2066 N.S.W.	42 1261	
AUSTRIA	Wien	Östereichische Philips Bauelemente Industrie G.m.b.H. Triesterstrasse 64	A1101	62 91 11	
BELGIUM	Bruxelles	M.B.L.E. 80 Rue des Deux Gares	B-1050	523 00 00	
BRAZIL	Sao Paulo, SP	Ibrape S.A. Av. Paulista 2073-S/Loja	01311	278-7144	
CANADA	Scarborough (Ontario)	Philips Electronics Ltd. Electron Devices Division 601 Milner Avenue	M1B 1M8	416-292-5161	TWX/Telex 06-2221
DENMARK	København NV	Miniwatt A/S Emdrupvej 115A	DK-2400	(01) 69 16 22	
FINLAND	Helsinki 10	Oy Philips Ab Elcoma Division Kaivokatu 8	SF-00100	1 72 71	

Continued on next page

PHIN – PHILIPS GLOEILAMPENFABRIEKEN (Cont'd

			Zip Code	Telephone No.	Cable
PRODUCT DIVISION ELCOMA Building BA, Eindhoven, Netherlands				(040) 79 11 11	PHILIPS EINDHOVEN
FRANCE	Paris 11	R. T. C. (RTCF)* La Radiotechnique Compelec 130 Avenue Ledru Rollin	F-75540	355 44 99	
GERMANY	Hamburg 1	VALVO (VALG)* UB Bauelemente der Philips GmbH Valvo Haus Burchardstrasse 19	D-2	(040) 3296-1	
HONG KONG	Kwai Chung N.T. (K.T.C.L.)	Philips Hong Kong Ltd. Components Dept. Philips Industrial Bldg. Kung Yip Street	289	12-24 51 21	
ITALY	Milano	Philips S.p.A. Sezione Elcoma Piazza IV Novembre 3	I-20124	6994	
JAPAN	Tokyo	Nihon Philips Corporation Shuwa Shinagawa Building 26-33 Takemawa, 3-chome Minato-ku	108	448 5611	
KOREA	Seoul	Philips Electronics Korea Ltd. Philips House 260-199 Itaewon-dong Yongsan-ku		44-4202	
MEXICO	Mexico 6, D.F.	Electronica S. A. de C. V. Varsovia No. 36		5-33-11-80	
NETHERLANDS	Eindhoven	Philips Nederland B. V. Afd. Elonco Boschdijk 525	NL-4510	(040) 79 33 33	

* Manufacturer Code inside ( ) can be found in Section 16,
Manufacturers Code Names & Addresses

Continued on next page

PHIN – PHILIPS GLOEILAMPENFABRIEKEN (Cont'd)

Country	City	Address	Zip Code	Telephone No.	Cable
PRODUCT DIVISION ELCOMA		Building BA, Eindhoven, Netherlands		(040) 79 11 11	PHILIPS EINDHOVEN
NEW ZEALAND	Wellington	Philips Electronics Industries, Ltd. Elcoma Division 70-72 Kingsford Smith Street		873-156	
NORWAY	Oslo 4	Electronica A/S Vitaminveien 11		(02) 150590	
SOUTH AFRICA	Johannesburg	EDAC (Pty.) Ltd. South Park Lane New Doornfontein	2001	24/6701	
SPAIN	Barcelona 7	Copresa S.A. Balmes 22		329 63 12	
SWEDEN	Stockholm 27	Elcoma A.B. Lidingövägen 50	S-10250	08/679780	
SWITZERLAND	Zurich	Philips A. G. Elcoma Abteilung Edenstrasse 20	CH-8027	01/44 22 11	
TAIWAN	Taipei	Philips Taiwan Ltd. Elcoma Division San Min Bldg., 3rd Floor 57-1 Chung Shan N. Road		57 13231	
UNITED KINGDOM	London	Mullard Ltd. (MULB)* Mullard House Torrington Place	WC1E 7HD	01-580-6633	
UNITED STATES	California	Signetics Corporation (SIC)* 811 East Arques Avenue Sunnyvale	94086	408-739-7101	TWX/Telex 910-339-9220

* Manufacturer Code inside ( ) can be found in Section 16, Manufacturers Code Names & Addresses

PHO – PHOTO-THERM

	Zip Code	Telephone No.
110 Sewell Avenue, Trenton, New Jersey	08610	609-396-1456

PLSB – PLESSEY SEMICONDUCTORS LTD.

	Zip Code	Telephone No.	TWX/Telex
Cheney Manor, Swindon, Wiltshire, England	SN2 2QW	0793-36251	449637

UNITED STATES

CALIFORNIA	**Irvine**	Plessey Semiconductors 1641 Kaiser Avenue	**92714**	**714-540-9979**	**910-595-1930**

RAYTHEON

RTN – RAYTHEON COMPANY

	Zip Code	Telephone No.	TWX/Telex
SEMICONDUCTOR DIVISION 350 Ellis Street, Mountain View, California	94042	415-968-9211	910-379-6481

SALES OFFICES

State	City	Address	Zip Code	Telephone No.	TWX/Telex
CALIFORNIA	Mountain View	Raytheon Company Semiconductor Division 350 Ellis Street	94042	415-969-3475	910-379-6481
	Irvine	Raytheon Company Semiconductor Division 2212 Dupont Drive	92664	714-833-9042	910-595-1936
FLORIDA	St. Petersburg	Raytheon Company Semiconductor Division 9600 Gandy Blvd. Suite 203	33702	813-576-2221	810-863-0363
ILLINOIS	Des Plaines	Raytheon Company Semiconductor Division 3158 Des Plaines Avenue	60018	312-297-5540	910-233-2780
MASSACHUSETTS	Newton Lower Falls	Raytheon Company Semiconductor Division One Newton Executive Park	02162	617-527-0030	710-335-6541
MINNESOTA	Minneapolis	Raytheon Company Semiconductor Division 3250 West 66th Street	55435	612-920-7935	910-576-3404
NEW JERSEY PENNSYLVANIA (Eastern)	Cherry Hill	Raytheon Company Semiconductor Division Executive Campus No. 2 Suite 207, Route 70	08002	609-663-4066	
NEW YORK	Melville	Raytheon Company Semiconductor Division 275 Broad Hollow Road	11746	516-420-0700	

SGAI – SGS-ATES COMPONENTI ELETTRONICI S.P.A.

			Zip Code	Telephone No.	TWX/Telex
Via C. Olivetti 2, Agrate Brianza, Italy			20041	039-650141	36131
ENGLAND	Aylesbury Bucks	SGS-ATES (United Kingdom) Ltd. Walton Street		5977	83245
FRANCE	Paris Cedex 13	SGS-ATES France SA Résidence "Le Palatino" 17, Avenue de Choisy	75643	584 2730	25938
GERMANY	Wasserburg (Inn)	SGS-ATES Deutschland GmbH Postfach 1269	809	08071/721	05-25143
ITALY	Milano	SGS-ATES Componenti Elettronici S.p.A. Via Tempesta 2	20149	4695651	31481
SINGAPORE	Singapore	SGS-ATES Singapore (PTE) Ltd. Lorong 4 and 6 Toa Payoh	12	531411	21412
SWEDEN	Marsta	SGS-ATES Scandinavia AB Tingvallavägen 9J Box 30	19501	0760/40120	10932
U. S. A.	Massachusetts	SGS-ATES Semiconductor Corporation 79 Massasoit Street Waltham	02154	617-891-3710	92-3495

SIC – SIGNETICS CORPORATION

	Zip Code	Telephone No.	TWX/Telex
811 East Arques Avenue, Post Office Box 9052, Sunnyvale, California	94086	408-739-7700	910-339-9220

SPR – SPRAGUE ELECTRIC COMPANY

	Zip Code	Telephone No.	TWX/Telex
SEMICONDUCTOR DIVISION 115 Northeast Cutoff, Worcester, Massachusetts	01606	617-853-5000	920476

THCF – THOMSON-CSF

			Zip Code	Telephone No.	TWX/Telex
DIVISION SEMICONDUCTEURS SESCOSEM 50 Rue Jean Pierre Timbaud, BP5, Courbevoie, France			F-92403	788-50-01	SESCO 610560F
BELGIUM **THE NETHERLANDS**	**Bruxelles 5**	Thomson S.A.– N.V. Avenue Louise 363 Poite Postale 10	B1050	648.64.85	23 113
ENGLAND	**Basingstoke**	Thomson-CSF (U.K.) Ltd. Ringway House - Bell Road Danneshill - Basingstoke Hants		256 29 155	858 865
GERMANY	**Munchen 25**	Thomson-CSF GmbH Fallstrasse 42	D-8000	89 76 751	522.916
ITALY	**Milano**	Sescosem Italiana Via Melchiorre Gioia, 72	I-20125	68 84 141	36301 Ducati
U. S. A.	**California**	Nucleonic Products Company, Inc. 6660 Variel Avenue Canoga Park	91303	213-887-1010	651.479

WJC – WATKINS-JOHNSON COMPANY

			Zip Code	Telephone No.	TWX/Telex
ELECTRONIC SYSTEMS, SOLID STATE & ELECTRON DEVICES DIVISIONS		3333 Hillview Avenue, Palo Alto, California	94304	415-493-4141	910-373-1253 Telex 34-8415 Cable WJPLA
CALIFORNIA	El Segundo	Watkins-Johnson 831 South Douglas Street - Suite 131	90245	213-640-1980	910-325-7179
D. C. and MARYLAND	Gaithersburg (Maryland)	Watkins-Johnson 700 Quince Orchard Road	20760	301-948-7550	710-828-0546
FLORIDA	Altamonte Springs	Watkins-Johnson 325 Whooping Loop	32701	305-834-8840	810-853-3534
MASSACHUSETTS	Lexington	Watkins-Johnson 5 Militia Drive Suite 11	02173	617-861-1580	710-326-1580
NEW JERSEY	Red Bank	Watkins-Johnson 90 Monmouth Street Suite 207	07701	201-842-2422	710-722-5745
OHIO	Fairborn	Watkins-Johnson 2500 National Road Suite 200	45324	513-426-8303	810-450-2623
TEXAS	Dallas	Watkins- Johnson 9216 Markville Drive	75243	214-234-5396	910-867-4792

INTERNATIONAL

GERMANY FEDERAL REPUBLIC OF	Munchen (Planegg)	Watkins-Johnson Muenchener Str. 17	8033	(089)859 9441	(841)529401 Cable WJDBM-MUENCHEN
ITALY	Roma-EUR	Watkins-Johnson (Italiana, S.p.A.) Piazza G. Marconi, 25	00144	(6)5945 54	63278 Cable WJROM-ROMA
UNITED KINGDOM	Berkshire	Watkins-Johnson Shirley Avenue Windsor	SL4 5JU	Windsor 69241	847578 Cable WJUKW-WINDSOR

MANUFACTURERS' CODES, NAMES, AND ADDRESSES

QPL MFR. DESIG.	FSCM/ NATO NO.	D.A.T.A. MFRS.' CODE		
	14749 –	ACO	* –	Acopian Corp., P.O. Box 585, Easton, PA 18042
	D1597 –	**ALGG**	* –	**AEG-Telefunken, Abt. Werbung-Dok, D71 Heilbronn, Postfach 1109, West Germany**
CDWN –	34335 –	AMV	* –	Advanced Micro Devices, Inc., 901 Thompson Pl., Sunnyvale, CA 94086
	24355 –	ANA	* –	Analog Devices, Inc., Route 1, Industrial Park, P.O. Box 280, Norwood, MA 02062
	25403 –	**APX**	* –	**Amperex Electronic Corp., Providence Pike, Slatersville, RI 02876** (also under PHIN, Sec. 15)
	80740 –	BEC	* –	Beckman Instruments, Inc., Helipot Div., 2500 Harbor Blvd., Fullerton, CA 92634
	C1113 –	BTRG	–	Bentron Elektronik GmbH, 8 Munchen 19, Schulstrasse 21, Germany
	13919 –	BUB	* –	Burr-Brown Research Corp., P.O. Box 11400, Tucson, AZ 85734
	50077 –	CER	–	Cermetek, Inc., 660 National Ave., Mountain View, CA 94043
		CHE	#* –	**Cherry Semiconductor Corp., 99 Bald Hill Rd., Cranston, RI 02920**
	23223 –	CMI	–	CTS Microelectronics, Inc., 1201 Cumberland Ave., West Lafayette, IN 47906
	34031 –	CML	–	Computer Labs, 505 Edwardia Dr., Greensboro, NC 27409
	33163 –	CPD	–	Control Products Division, Devar, Inc., 706 Bostwick Ave., Bridgeport, CT 06605
	18655 –	CPR	* –	Computer Products, P.O. Box 23849, Fort Lauderdale, FL 33307
		CYB	★	Cybercom-Solid State Music, 2102A Walsh Avenue, Santa Clara, CA 95050
	19647 –	DDC	* –	ILC Data Device Corp., Airport International Plaza, Bohemia, Long Island, NY 11716
CGM –	16758 –	DEL	* –	Delco Electronics Div., General Motors Corp., 700 E. Firmin St., Kokomo, IN 46901
	17191 –	DMC	* –	Dynamic Measurements Corp., 6 Lowell Ave., Winchester, MA 01890
	50721 –	**DTL**	* –	**Datel Systems, Inc., 1020 Turnpike St., Canton, MA 02021**
	37907 –	EELC	–	Epitek Electronics, Ltd., 100 Schneider Rd., Kanata, Ontario K2K 1Y2, Canada
	94080 –	EXR	* –	Exar Integrated Systems, Inc., Box 62229, 750 Palomar Ave., Sunnyvale, CA 94088
	26611 –	FCAJ	* –	Fujitsu Ltd., 1015 Kamikodanaka, Nakahara-ku, Kawasaki, Japan
	12264 –	**FERB**	* –	**Ferranti Ltd., Electronics Dept., Gem Mill, Chadderton, Oldham, Lancs., England**
CFJ –	07263 –	**FSC**	* –	**Fairchild Camera & Instrument Corp., Semicon. Products Group, 464 Ellis St., MS4-370, Mountain View, CA 94040**
CAKK –	14936 –	GIC	* –	General Instrument Corp., 600 W. John St., Hicksville, NY 11802
	13856 –	HAL	–	Halex, Inc., 3500 W. Torrance Blvd., P.O. Box 2940, Torrance, CA 90509
CDWO –	91417 –	HAS	* –	Harris Semiconductor, P.O. Box 883, Melbourne, FL 32901
	33256 –	HBC	* –	Hybrid Systems Corp., 87 Second Ave., Burlington, MA 02135
CDPR –	32293 –	INL	* –	Intersil, Inc., 10710 No. Tantau Ave., MS37, Cupertino, CA 95014
	30635 –	INT	–	Intronics, Inc., 57 Chapel St., Newton, MA 02158
	D8849 –	INTG	–	ITT Semiconductors (Intermetall), Post Office Box 840, D-7800 Freiburg, West Germany
	33967 –	ITI	–	Intech/FMI, Inc., 282 Brokaw Rd., Santa Clara, CA 95050
		LTIC	* –	**Linear Technology, Inc., 3435 Landmark Rd., Burlington, Ontario L7M 1T4, Canada**
	90201 –	MAL	* –	Mallory Distributor Products, 4760 Kentucky Ave., Indanapolis, IN 46241
	01619 –	MATJ	* –	Matsushita Electronics Corp., (Panasonic), Takatsuki, Osaka, Japan
	13656 –	MDI	–	Modular Devices, Inc., 50 Orville Dr., Airport International Plaza, Bohemia, NY 11716
	07862 –	MIA	–	MIL Electronics, Inc., 176 Walker St., Lowell, MA 01854
	90144 –	MITJ	–	Mitsubishi Electric Corp., Kita-Itami Works, 4-1 Mizuhara, Itami-shi, Hyogo-Ken, Post Code 664, Japan
	50507 –	**MNC**	* -	**Micro Networks Corp., 324 Clark St., Worcester, MA 01606**
CGG –	04713 –	MOTA	* –	Motorola Semicon. Products, Inc., 5005 E. McDowell Rd., M370, Phoenix, AZ 85008
	31757 –	**MPI**	* –	**Micropac Industries, Inc., 905 E. Walnut St., Garland, TX 75040**
	K1596 –	MULB	* –	Mullard Ltd., Mullard House, Torrington Pl., London WC1E 7HD, England (under PHIN, Sec. 15)
		NEC	–	Nuclear Equipment Corp., 963 Industrial Rd., San Carlos, CA 94070

★ **NEW MANUFACTURERS**

* See Section 17
for Manufacturers Logos

Manufacturers shown in bold print have local offices, which are included in Section 15 of this D.A.T.A.BOOK

– CODE CHANGE THIS EDITION

New: CHE – Cherry Semiconductor Corp.
Old: MCC – Micro Component Corp.

New: ITI – Intech/FMI, Inc.
Old: FMI – Function Modules, Inc.

MANUFACTURERS' CODES, NAMES, AND ADDRESSES (Cont'd)

QPL MFR. DESIG.	FSCM/ NATO NO.	D.A.T.A. MFRS.' CODE		
	94091	NECJ	*	Nippon Electric Co., Ltd., 1753 Shimonumabe, Nakahara-ku, Kawasaki City, Kanagawa Pref., Japan
	08257	NPC	*	Nucleonic Products, Inc., 6660 Variel Ave., P.O. Box 1454, Canoga Park, CA 91303
CCXP	27014	**NSC**	*	**National Semiconductor, Microcircuits Div., 2900 Semiconductor Dr., Santa Clara, CA 95011**
	26287	OEI	*	Optical Electronics, Inc., P.O. Box 11140, Tucson, AZ 85734
	24699	**OPA**	*	**Opamp Labs, Inc., 1033 No. Sycamore Ave., Los Angeles, CA 90038**
	31091	OPT		Optimax, Inc., P.O. Box 105, Advance Lane, Colmar, PA 18915
		PHIB	*	Philco Radio Televisao, Ltda., Fabrica de Semicondutores, Rua Sta., Virginia 299, Tatuape, Sao Paulo, Cx. Postal 4753, Brasil
	08967	**PHIN**	*	**N. V. Philips Gloeilampenfabrieken, Elcoma Tech. Dept., Bldg. BA Eindhoven, Netherlands**
		PHO	* ★	**Photo-Therm, 110 Sewell Ave., Trenton, NJ 08610**
	K0467	**PLSB**	*	**Plessey Semiconductors, Ltd., Cheney Manor, Swindon, Wiltshire, England**
	06665	PMI	*	Precision Monolithics, Inc., 1500 Space Park Dr., Santa Clara, CA 95050
	53641	PMN	*	Power Monolithics, Inc. /Lambda Electronics, 121 International Dr., Corpus Christi, TX 78410
		QUM		Q. D. C. Corp., RD No. 3, Somerville, NJ 08876
CRC	02735	RCA	*	RCA Corporation, Solid State Div., Route 202, Somerville, NJ 08876
	54098	RLB	*	Reliability, Inc., P.O. Box 37409, Houston, TX 77036
	12556	RTCF	*	R. T. C. LaRadiotechnique-Compelec, 130, Ave. Ledru-Rollin, 75540 Paris Cedex 11, France (Under PHIN, Sec. 15)
CRP	07933	**RTN**	*	**Raytheon Company, 350 Ellis St., Mountain View, CA 94042**
	S3385	SAKJ	*	Sanken Electric Co., Ltd., 1-22-8 Nishi-Ikebukuro, Toshima-ku, Tokyo, Japan
	50829	SCD	*	Semiconductor Circuits, Inc., 306 River St., Haverhill, MA 01830
	A3500	**SGAI**	*	**SGS-ATES Componenti Elettronici, S.p.A., Via C. Olivetti 2, 20041 Agrate Brianza, Milan, Italy**
	34333	SGL	*	Silicon General Inc., 11651 Monarch St., Garden Grove, CA 92641
CDKP	18324	**SIC**	*	**Signetics Corp., 811 E. Arques Ave., Sunnyvale, CA 94086**
	92346	SIEG	*	Siemens Aktiengesellschaft, Semicon. Div., Balanstrasse 73, 8000 Munich 8, Germany
CDBN	17856	SIX	*	Siliconix, Inc., 2201 Laurelwood Rd., Santa Clara, CA 95054
CDCD	22229	SOD	*	Solitron Devices, Inc., 8808 Balboa Ave., San Diego, CA 92123
CSF	56289	**SPR**	*	**Sprague Electric Company, 115 Northeast Cutoff, Worcester, MA 01606**
		SRL	*	Standard Reference Labs, Inc., Subsidiary of CODI Corp., Pollitt Drive South, Fair Lawn, NJ 07410
	11911	SSE		Solid State Electronics Corp., 15321 Rayen St., Sepulveda, CA 91343
		SSS	* ★	Solid State Scientific, Inc., Montgomeryville, PA 18936
	F5602	**THCF**	*	**Thomson-CSF, Div. Semiconducteurs SESCOSEM, 50, rue Jean Pierre Timbaud, BP 5, 92403, Courbevoie, France**
CGO	01295	TII	*	Texas Instruments, Inc., Components Group, P.O. Box 5012, Dallas, TX 75222
	K0461	TIIB		Texas Instruments, Ltd., Manton Lane, Bedford, England
	29832	TPN	*	Teledyne Philbrick, Allied Drive at Route 128, Dedham, MA 02026
	11352	TRA		Tecnetics, Inc., P.O. Box 910, Boulder, CO 80302
		TSAJ	*	Tokyo Sanyo Electric Co., Ltd., Semiconductor Div., Oizumimachi, Oragun, Gumma, Japan
	D2540	VALG	*	Valvo GmbH, P.O. Box 993, D2000, Hamburg 1, Germany (under PHIN, Sec. 15)
	14482	**WJC**	*	**Watkins-Johnson Co., 3333 Hillview Ave., Palo Alto, CA 94304**
	17850	ZEL		Zeltex, Inc., 940 Detroit Ave., Concord, CA 94518

CUSTOM CIRCUIT MANUFACTURER

HSE * – **Hybrid Semiconductors & Electronics Inc., 5632 210th St., P.O. Box 103, Oakland Gardens, NY 11364**

★ **NEW MANUFACTURERS**

* See Section 17 for Manufacturers Logos

Manufacturers shown in bold print have local offices, which are included in Section 15 of this D.A.T.A.BOOK

– CODE CHANGE THIS EDITION

New: SRL – Standard Reference Labs, Inc.
Old: CODI – CODI Corporation

ACO — Acopian Corp.	TFK *(Product Identifier)* ALGG — AEG-Telefunken	AMV — Advanced Micro Devices Inc.
ANA — Analog Devices Inc.	APX — Amperex Electronic Corp.	BEC — Beckman Instruments Inc.
BUB — Burr-Brown Research Corp.	CHE — Cherry Semiconductor Corp.	CPR — Computer Products
	DDC — ILC Data Device Corp.	

17. MANUFACTURERS LOGOS

IN MFR. CODE ORDER

DEL — Delco Electronics Div.

DMC — Dynamic Measurements Corp.

DTL — Datel Systems Inc.

EXR — Exar Integrated Systems Inc.

FCAJ — Fujitsu Ltd.

FERB — Ferranti Ltd.

FSC — Fairchild Camera & Instrument Corp.

GIC — General Instrument Corp.

HAS — Harris Semiconductor

HBC — Hybrid Systems Corp.

HSE — Hybrid Semiconductors & Electronics Inc.	INL — Intersil Inc.	LTIC — Linear Technology Inc.
(Product Identifier) MAL — Mallory Distributor Products	MATJ — Matsushita Electronics Corp.	MNC — Micro Networks Corp.
MOTA — Motorola Semiconductor Products Inc.	MPI — Micropac Industries Inc.	MULB — Mullard Ltd.
	NECJ — Nippon Electric Co.	

17. MANUFACTURERS LOGOS

IN MFR. CODE ORDER

(Product Identifier)

NPC — Nucleonic Products Inc.

NSC — National Semiconductor

OEI — Optical Electronics Inc.

OPA — Opamp Labs Inc.

PHIB — Philco Radio Televisao Ltda.

PHIN — N. V. Philips Gloeilampenfabrieken

PHO — Photo-Therm

PLSB — Plessey Semiconductors

PMI — Precision Monolithics Inc.

PMN — Power Monolithics Inc.

17. MANUFACTURERS LOGOS

IN MFR. CODE ORDER

RCA — RCA Corp.	RLB — Reliability Inc.	RTCF — R.T.C. La Radiotechnique-Compelec
RTN — Raytheon Co.	SAKJ — Sanken Electric Co.	SCD — Semiconductor Circuits Inc.
SGAI — SGS-ATES Componenti Elettronici	SGL — Silicon General Inc.	SIC — Signetics Corp.
	SIEMENS (Product Identifier) SIEG — Siemens Aktiengesellschaft	

SIX – Siliconix Inc.

SOD – Solitron Devices Inc.

SPR – Sprague Electric Co.

SRL – Standard Reference Labs Inc.

SSS – Solid State Scientific Inc.

THCF – Thomson-CSF

TII – Texas Instruments Inc.

TPN – Teledyne Philbrick

TSAJ – Tokyo Sanyo Electric Co., Ltd.

VALG – Valvo GMBH

WJC – Watkins-Johnson Co.