



**D.A.T.A.'S**

**SEMICONDUCTOR  
DIODE & RECTIFIER**

**CHARACTERISTICS  
TABULATION**

**APRIL 1961**

**SUPERSEDES OCTOBER 1960**

**7**

**VOL. VII**

# HIGHLIGHTS

This listing includes currently manufactured types, with their major electrical characteristics. Complete specifications and evaluation information — as well as prices and availability — should be obtained direct from the manufacturers.

## COMPLETE SEMIANNUAL REVIEW

The only tabulation of its kind which regularly follows the growth of this dynamic field. Complete, superseding editions published semiannually.

## COVERAGE

Worldwide, including American, Australian, British, Canadian, French, German, Italian, Japanese, Netherlands, Scottish and Swedish manufacturers currently producing semiconductor diodes and rectifiers.

## ACCURACY OF DATA

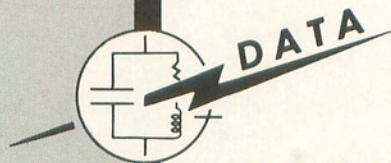
All data have been compiled from specification sheets and special information from the manufacturers. Before publication, the data are checked by the manufacturers for accuracy and completeness; therefore, in some instances, this Tabulation will contain more up-to-date information than is included in the manufacturers' regular releases.

## NOMENCLATURE

The characteristic symbols used are consistent with those recommended by the IRE and AIEE.

## FEEDBACK

In order to render a continually more valuable service, quite a number of our subscribers' suggestions have been incorporated in this Tabulation since its inception. Such suggestions are always welcomed and given serious consideration for future modifications.



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## AND CONSTRUCTION OF D.A.T.A.'s SEMICONDUCTOR DIODE AND RECTIFIER TABULATION

# NEW!

### IN THIS EDITION

1. **FOLD-OUT BACK COVER:**
  - a. **Inside Flap** — Includes all symbols and interpretive codes previously located at bottom of technical section pages. Fold out flap for reference when using characteristics pages.
  - b. **Outside Flap** — Provides space for making notes for yourself, and any suggestions or corrections you may want to accumulate for subsequent transmission to us.
2. **ELEVEN NEW MANUFACTURERS:**  
Indicated by a ★ in list of manufacturers.
3. **2,803 NEW TYPES:**  
for a total now of 10,985 different types. Including alternate sources, 116 manufacturers are producing 22,420 Diode & Rectifier types.
4. **MIL SPEC. NOS.**  
Section 12 added giving the MIL. No. for military types.

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# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION						
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.	
			I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)	I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)													I <sub>b</sub> (μa)
1	ED2100	2.0	2.5	.50															
1a#	RL42	2.0	2.5	.50															
1b	604C	4.7†	60	1.0	.10	4.7	40	4.7	150	40	100	150A		Ge				C3	
2	1N133	5.0	3.0	.50	.30	60								Ge					
3	CTP591	6.0	1.4	3.0	4.0	3.0				80	60	90		Ge				A21	
3a	ED2101	6.0	1.4	3.0	4.0	3.0				80	60	90		Ge					
3b	Q31	6.0	25		.001	6.0						100		Si	QUAD				
3c	Q32	6.0	25				.03	6.0	100			100		Si	QUAD				
3d∅	1N816	6.0†	100	1.0	.10	2.0								Si					
4	HB1	6.8	17	1.0	5.0	35				150		100A		Si*				C1	
5	606C	6.8†	35	1.0	.10	6.8	40	6.8	150	40	90	150A		Si				C3	
6	1N200	6.8	50	1.0	.50	6.8	5.0	6.8	100A	150	85	150A		Si*				C1	
6a∅	1N3110	8.0	5.0	.45	20	8.0	100	8.0	65	80	50	90A		Ge					
7	1N308	8.0	300	1.0	500	8.0				80	100	90		Ge					
8	1N201	8.2	35	1.0	.50	8.2	5.0	8.2	100A	150	77	150A		Si*				C1	
8a	1N379	8.2	35	1.0	.50	8.2	5.0	8.2	100A	150	77	150A		Si					
8b#	18P2	10	1.0	1.0	.50	10	100	10	150			150		Si					
8c∅	VD11	10	2.5	.19	300	10								Ge					
8d∅	VD12	10	2.5	.18	300	10								Ge					
8e∅	VD13	10	2.5	.17	300	10								Ge					
8f*#	SFD107	10	5.0	1.0	20	5.0	200	10	25		20	85S		Ge				A21	
8g#	19P2	10	10	1.0	.50	10	100	10	150			150		Si					
8h	ED2102	10	10	.45	5.0	10	60	10	65	80	80	85		Ge					
9∅#	GEX22	10	10	.75	100	10					30	70		Ge				A1	
9a	LD134	10	10	.45	5.0	10	60	10	65	80	80	85		Ge†				DO7	
10	608C	10†	25	1.0	.10	10	40	10	150	40	75	150A		Si				C3	
11	1N202	10	30	1.0	.50	10	5.0	10	100A	150	70	150A		Si*				C1	
11a	1N380	10	30	1.0	.50	10	5.0	10	100A	150	70	150A		Si					
11b∅	PD122	10	100	1.0	1.0	5.0				250	60	150		Si				A2	
11c	U-Z	10	100	1.5	20	10			25					SiΔ					
12#	ZW2	10	100	1.3	.50	10	10	10	100	150	100	125A		Si*					
13	1N107	10	150	1.0	200	10				80	100	90		Ge				DO7	
13a∅	PD123	10	250	1.0	1.0	5.0				250	60	150		Si				A2	
13b#	OS32	12Δ	10	.10	12									Si					
13c#	S32	12	10	1.0	.10	12				300		150J		Si*					
14	1N203	12	23	1.0	.50	12	5.0	12	100A	150	63	150A		Si*				C1	
14a	1N381	12	23	1.0	.50	12	5.0	12	100A	150	63	150A		Si					
14b#	FD4	12	40	.50	500	12				75		75J		Ge*					
14c#	FD5	12	100	.50	500	12				75		75J		Ge*					
14d	Q51	12	100	1.0	20	12					65	90		Ge	QUAD				
14e	S262	15#	3.0	1.0			150	15	55					Si					
15#	OA160	15	6.0	1.0	100	10						75		Ge					
15a	ED1892	15§	8.0	1.0	200	10								Ge					
16	1N300	15	15	1.0	.001	10	.10	10	100	150	65	150		Si∅					
17	1N204	15	17	1.0	.50	15	5.0	15	100A	150	56	150A		Si*				C1	
17a	1N382	15	17	1.0	.50	15	5.0	15	100A	150	56	150A		Si					
18	1N367	15	20											Ge					
19	610C	15	20	1.0	.10	15	40	15	150	40	60	150A		Si				C3	
20	1N300A	15	30	1.0	.001	10	.10	10	100	150	80	150		Si∅					
20a	ED2103	15	30	.56	1.9	25	11	25	60		50	60		Ge					
21	OA7	15	30	.56	1.9	25	11	25	60		50	60		Ge				C10a	
21a	ED2104	15	40	1.0			20	10	75	80		90		Ge					
21b	ED2105	15	40	1.0	100	10				80	40	90A		Ge					
22	T22	15	40	1.0	20	10				130	50	80A		Ge					
23	T22G	15*	40	1.0			20	10	75	80		90		Ge					
24	T27G	15	40	1.0	100	10				80	40	90A		Ge					
25	1N300B	15	50	1.0	.001	10	.10	10	100	150	100	150		Si∅					
26	1N306	15	100	.80	2.0	10	40	10	70	150	150	70		Ge					
26a	1N331	16	5.0	1.0	.01	10						100A	R	Si*				C1	
27	1N138A	18	5.0	1.0	.01	10				125	35	150A		Si*				C1	
28	HB2	18	5.0	1.0	5.0	10				150		100A		Si*				C1	
29	1N205	18	12	1.0	.10	18	10	18	100A	150	50	150A		Si*				C1	
29a	1N383	18	12	1.0	.10	18	10	18	100A	150	50	150A		Si					

# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
			I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)	@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)										
29b#	THP119	18*	35	1.0	75	10								Ge		
29cØ	1N138B	18†	40	1.0	.01	10								S1		C1b
29d	1N527	20†	1.0	.30	50	10	2.0	10	125	150	9.0	150A		Ge		
29e#	GD12E	20	2.0	1.0	10	10								Ge		
29f#	1T23	20	2.5	1.0	50	10					25	70		Ge		A37
30#	1T23G	20	2.5	1.0	50	10					25	70		Ge		
31#	GD11E	20	5.0	1.0	50	10								Ge		
32#	GW103	20	5.0	1.0	20	10					50	10		Ge		
32a#	G50	20#	7.5	1.0	50	5.0	500	20	25		50			Ge		
32b*#	1S79	20	8.0	.50	15	2.0	200	20	25		100	70		Ge		
33#	OA73	20Ø	8.0	1.0	100	10	1200	30	25		50	75		Ge		A7
33a	1N911	20	10	.35	10	10				80	100			Ge	Ø	DO7
33b#	OA90	20	10	1.5	450	20	650	20	60		8.0	75A		Ge		A3
33cØ	1N929	20*	20	1.0	100	25					250			S1		DO7
33d	1N103	20†	30	1.0	750	15								Ge		
33eØ#	1G57	20#	40	1.0	50	20	9.0	1.0	25		60	75J	T	Ge		
33f#	ED2106	20	40	1.0	2.0	10				80		90		Ge		
33g	ED2107	20	40	1.0	5.0	10				80	70	90A		Ge		
33h	ED2108	20	40	1.0	10	10				80	70	90A		Ge		
33i#	FD6	20	40	.50	100	20				75		75J		Ge*		
34	T13	20	40	1.0	2.0	10				130	85	80A		Ge		
35	T13G	20*	40	1.0	2.0	10				80		90		Ge		
36	T14	20	40	1.0	5.0	10				130	85	80A		Ge		
37	T14G	20*	40	1.0	5.0	10				80	70	90A		Ge		
38	T26G	20	40	1.0	10	10				80	70	90A		Ge		
39	1N776	20	50	1.0	200	10				80	45	90A		Ge		DO7
40	1N497	20Ø	100	1.0	20	20				80	80	85		Ge†		DO7
40a	ED2010	20	100	1.0	25	10								Ge		
40b#	FD3	20	100	.35	100	20				75		75J		Ge*		
40c#	GW107	20	100	.75										Ge		
41	LD123	20Ø	100	1.0	70	20				80	80	85		Ge†		DO7
42#	OA180	20	100	.75	2.0	.75						75		Ge		
42a#	SD16	20	100	1.0	200	20					60	90A		Ge		A23
42bØ#	1G58	20#	150	1.0	50	20	9.0	1.0	25		110	75J	T	Ge		
43	1N283	20*	200	1.0	20	10				80		90	M	Ge		DO7
44	T25	20Ø	200	1.0	20	10				130	150	80A		Ge		
44a	CTP309	20	300	1.0	20	6.0								Ge		A21
45	9GA1-3C	22Ø	1.0	2.0	10	20						90		Se		
45a	9PA1	22	1.0	2.0	10	20						90		Se		
46	1N206	22	9.0	1.0	.10	22	10	22	100A	150	45	150A		S1*		C1
47	1N384	22	9.0	1.0	.10	22	10	22	100A	150	45	150A		S1		
48	612C	22†	20	1.0	.10	22	40	22	150	40	50	150A		S1		C3
48a*#	SFD112	24	5.0	1.0	20	5.0	200	24	25		20	85S		Ge		A21
49	1N87	25	.10	.25	30	1.5					50	75		Ge		A23a
50	1N87A	25	.10	.25	Subminiature Version of 1N87									Ge		A23a
51#	GEX35	25	1.0	1.0	100	10				100	30	70		Ge		A24
52#	GD72E/3	25	2.0	1.0	100	10					20	60A		Ge		
53#	GD72E/4	25	2.0	1.0	20	10					20	60A		Ge		
54#	GD72E/5	25	2.0	1.0	11	10					20	60A		Ge		
55a#	GD3	25†	3.0	1.0	200	10					30			Ge		
56#	RL41	25	3.0	1.0	50	10					30	60A		Ge		
57#	G5/2	25*	5.0	1.0	45	3.0	200	10	25		20	70		Ge		
57a#	GD12	25†	5.0	1.0	200	10					40			Ge		A58
58#	GEX36	25	5.0	.63	100	10				100	30	70		Ge		A24
59	UCI331	25	5.0	1.0	5.0	20				100	30	150		S1*		
60	DR365	25*	10	4.0	60	6.0				80				Ge		
60aØ#	GEX12	25	10	1.5	250	25					30	70		Ge		A1
60b	1N40	25	12.7	1.5	35	10					22.5	75		Ge	Quad	DO7
61	1N41	25Ø	12.8	1.5	Four Matched Diodes									Ge		
61a	FD322	25	15	1.0	.50	25	30	25	150	250	15	175		S1#		A22
62	DR449	25*	20	1.0	500	10								Ge		
63#	GD8E	25	20	1.0	50	5.0	1000	20	25		60	60A		Ge		
64	T21	25	20	1.0	50	20				130	40	80A		Ge		

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# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION				
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.	
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)											I <sub>b</sub> (μa)
65	T21G	25	20	1.0	50	20					80	35	90A		Ge		
65a	1N104	25†	30	1.0	750	15									Ge		
65b	GEX945	25	30	.65	4.0	25						115	75A		Ge		C4
65c	GEX946	25	30	.65	4.0	25						115	75A		Ge		A25
65d	FD325	25	40	1.0	.025	25	5.0	25	150	250	40	175			Si#		A22
65e	PD131	25	40	1.0	.025	25	5.0	25	150	250	40	150			Si		A2
66	OA9	25	50	.55	25	15	60	15	60		100	75			Ge		C10a
66a	1N84	25†	60	1.0	750	15									Ge		
67	1N456A	25*	100	1.0	.025	25	5.0	25	150A	500	200	200			Si		A46
68	1N461A	25*	100	1.0	.50	25	30	25	150A	500	200	200			Si		A46
68a	FD311	25	100	1.0	.005	25	5.0	25	150	250	150	175			Si#		A22
68c	Q49	25	100	1.0	50	25					65	90			Ge	QUAD	
68d	Q50	25	100	1.0	50	25					65	90			Ge	QUAD	
68e	1N569	25†	250	.50	50	10									Ge		
69	130	26	.25	2.0	4.0	26						90			Se		
70	150	26	.50	2.0	8.0	26						90			Se		
71	170	26	1.0	2.0	16	26						90			Se		
71a	1N619	27	3.0	1.0	8.0	10	20	10	100						Si		
72	600C	27†	3.0	1.0	1.0	10	20	10	150	40	25	150A			Si		C3
73	1N207	27	7.0	1.0	.10	27	10	27	100A	150	40	150A			Si*		C1
73a	1N385	27	7.0	1.0	.10	27	10	27	100A	150	40	150A			Si		
73b	SD12B	30	.30	1.0	10	1.0	1000	30	25		23				Ge		
73c	17P2	30	1.0	1.0	.50	30	100	30	150			150			Si		
73d	GPM2NA	30	1.2	.46	3.0	.50	1000	30	25		15				Ge		
73e	SD12E	30	1.2	.46	3.0	1.5	1000	30	25		15				Ge		
74	1N541	30	1.5	1.0	18	10	150	30	25		10	60			Ge		DO7
75	1N542	30	1.5	1.0	Matched Pair of 1N541												DO7
76	1N268	30	2.5	1.0	850	30					300	85			Ge		A23a
76a	CV442	30	3.0	1.0	2000	30					25	75J			Ge		A38
77	1N36	30	4.0	1.0	100	25					16	75			Ge		A23a
78	1N267	30	5.0	1.0	50ma	10									Ge		
79	OA172	30	5.0	1.0	25	10						75			Ge		
80	OA159	30	6.0	1.0	50	10						75			Ge		
81	1N616	30	8.0	1.0	18	1.5	150	30	25		30	75			Ge		A23a
81a	GPM1NA	30	8.0	1.2	100	100					23				Ge		
81b	GPM1NB	30	8.0	1.2	100	100					15				Ge		
81c	SD12M	30	8.0	1.2	100	30					15				Ge		
82	1N910	30	10	.35	10	10				80	100				Ge	∅	DO7
82a	HD4418	30†	10	1.0			50	25	100						Si		
82b	OA72	30	10	1.4	50	30					10	60A			Ge		A7
83	OA79	30	10	2.2	150	30	300	30	60		35	60			Ge		A7
84	1N461	30*	15	1.0	.50	25	30	25	150	200	60	200			SiΔ		A21
84a	ED2834	30	15	1.0	.50	25	30	25	150						Si		
84b	HD6001	30†	15	1.0	.50	25	30	25	150						Si		A21
85	T24G	30	20	1.0	300	30				80	45	90A			Ge		
86	1N447	30	25	1.0	60	30	20	10	25	80	60	90			Ge		DO7
87	1N456	30*	40	1.0	.025	25	5.0	25	150	200	90	200			SiΔ		DO7
88	ED2837	30	40	1.0	.025	25	5.0	25	150						Si		
88a	HD6005	30†	40	1.0	.025	25	5.0	25	150						Si		A21
89	1N449	30	50	1.0	30	30					60	75			Ge		DO7
89a	SD15	30	50	1.0	200	30					60	90A			Ge		A23
89b	SD21A	30	60	.40	10	30					100	75A			Ge*		C10
90	1N144	30*	100	1.0	200	20				130	150	80A			Ge		A23a
91	1N273	30Δ	100	1.0	20	20				80	80	90A			Ge		DO7
92	1N279	30Δ	100	1.0	200	20				80	70	90A			Ge		DO7
93	1N309	30	100	1.0	100	20				80	100	90			Ge		A23a
94	1N452	30*	100	1.0	30	30				130		90A			Ge		DO7
94a	1S82	30	100	1.0	350	30									Ge		
94b	FD315	30	100	1.0	.025	30	5.0	30	150	250	100	175			Si#		A22
94c	HG5007	30	100	.80	5.0	30				80	80	90			Ge		
94d	HG5008	30	100	.80	25	30				80	80	90			Ge		
94e	HG5009	30	100	.80	50	30				80	80	90			Ge		
94f	Q52	30	100	1.1	.50	30	50	30	125		75	150			Si	QUAD	

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Conf. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION					
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)												
94g	RD1356	30	100	1.0	.005	25	5.0	25	150		200			S1				
95	T11	30	100	1.0		20	20			130		80A		Ge				
95a#	ZS7	30	100	1.5	.10	30	10	30	100	150	100	125A		S1*				
95b#	ZS8	30	100	1.5	.005	30	.05	30	100	150	100	150A		S1*				
95c	FD338	30	200	1.0	.25	30	30	30	150	250	200	175		S1#		A22		
95d	FD339	30	200	1.0	.025	30	15	30	150	250	200	175		S1#		A22		
95e	FD340	30	200	1.0	.025	30	5.0	30	150	250	200	175		S1#		A22		
96	PS603	30§	200	1.0	.25	30	30	30	150A	500	200	200		S1				
97	PS604	30§	200	1.0	.025	30	15	30	150A	500	200	200		S1				
98	PS605	30§	200	1.0	.025	30	5.0	30	150A	500	200	200		S1				
99	1N455	30*	300	1.0		30	30			130		90A		Ge		A23a		
99b	1N330	32	3.0	1.0	.03	20						100A	R	S1*				
100	1N1625	33	.10	1.0	15	26	18.8	26	100J		.25	25A		Se				
101	1N1625A	33	.20	1.0	15	26	18.8	26	100J		.50	25A		Se				
102	1N1627	33	1.5	1.0	27	26	33.8	26	100J		3.8	25A		Se				
103	1N1635	33	5.0	1.0	108	26	135	26	100J		13	25A		Se				
104	1N208	33	5.5	1.0	.10	33	10	33	100A	150	35	150A		S1*		C1		
104a	1N386	33	5.5	1.0	.10	33	10	33	100A	150	35	150A		S1				
105	1N1640	33	11	1.0	240	26	300	26	100J		28	25A		Se				
106	614C	33†	20	1.0	.10	33	40	33	150	40	45	150A		S1		C3		
106a	1GH	33			27	26					3.8	100C		Se				
106b	1XH	33			110	26					13	100C		Se				
106c#	1NA9	35	3.0	1.0	80	10						70A		Ge				
106d#	1G85	35§	4.0	1.0	Matched Pair for Ratio Detectors									Ge				
106f#	1G95	35§	4.0	1.0	350	30	7.0	1.0	25		35		T	Ge				
106h#	1T26	35	8.0	1.0	80	10	300	30	25A	50	70			Ge		A37		
106i	FD330	35	10	.70	.025	35	15	35	150	250	10	175		S1#		A22		
106j	FD331	35	10	.70	.025	35	5.0	35	150	250	10	175		S1#		A22		
107	STC101	35	10	.72	.025	35	15	35	150		200			S1		A21		
108	STC102	35	10	.72	.025	35	5.0	35	150		200			S1		A21		
109	T24	35	20	1.0	300	30				130	50	80A		Ge				
109a#	G41	35Δ	100	1.0	10	10	20	20	25		100			Ge				
109b#	SD101	35	100	1.0	.50	35	50	35	100		100	150A		S1*		A23		
110	CD1111	35	250	1.0	.005	35	5.0	35	150	200	200	200		S1				
110a	FD357	35	250	1.0	.005	35	5.0	35	150	250	250	175		S1#		A22		
111	HB3	36	2.7	1.0	10	20				150		100A		S1*		C1		
112	1N137A	36	3.0	1.0	.03	20				125	21	150A		S1*		C1		
112a	1N137B	36†	20	1.0	.03	20	5.0	20	125	150	75	150A		S1		C1b		
112b	ED2833	36	25	1.0	.25	30	30	30	150	200	100	200		S1				
113	HD6777	36	25	1.0	.25	30	30	30	150	200	100	200		S1Δ		A21		
114	1N482	36†	100	1.1	.25	30	30	30	150	250	100	200A		S1		DO7		
115	1N482A	36†	100	1.0	.025	30	15	30	150	250	200	200A		S1		DO7		
116	1N482B	36†	100	1.0	.025	30	5.0	30	150	250	200	200A		S1		DO7		
116a	1N482C	36	100	1.0	.005	30								S1				
117	1N209	39	4.5	1.0	.10	39	10	39	100A	150	30	150A		S1*		C1		
117a	1N387	39	4.5	1.0	.10	39	10	39	100A	150	30	150A		S1				
118	1N51	40*	2.5	1.0	1600	50				80	30	85		Ge		DO7		
119	1N81	40*	3.0	1.0	10	10					40	75		Ge		DO7		
120	1N81A	40	3.0	1.0	10	10					30	90		Ge		DO7		
121	1N128	40	3.0	1.0	10	10				80	30	90	M	Ge		A21		
122	1N128A	40	3.0	1.0	10	10				80	30	90		Ge		A21		
123	1N805	40	3.0	1.0	100	10								Ge		A23a		
124#	OA74	40	4.0	1.0	200	40						75		Ge				
125	1N60A	40	5.0	1.0	60	10				80	35	100		Ge		DO7		
125a	1N266	40§	5.0	1.0	300ma	30								Ge				
125b	1N3125	40§	5.0	.40	100	40	12.5	20	71	80		90		Ge		DO7		
126#	G5/4	40Δ	5.0	1.0	800	30	200	10	25		20	70		Ge				
127	1N432	40	10	1.0	.005	10	.10	10	100	150	55	150		S1				
128	DR434	40*	10	.36	10	10				80	100			Ge				
128a#	GD11	40*	10	1.0	200	20					100			Ge		A58		
128b	PD132	40	10	1.0	1.0	30	40	30	100	250	30	150		S1		A2		
129	1N56	40*	15	1.0	300	30					60	90		Ge		DO7		
130	1N56A	40	15	1.0	300	30					60	90	M	Ge		DO7		

SEE FOLD-OUT BACK COVER  
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# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)										
131	1N71	40	15	1.0	300	30					60	90		Ge		DO7
131a#	SD13	40	15	1.0	200	30					60	90A		Ge		A23
131b#	SD56	40	15	1.0	300	30					40	90A		Ge		A23
132	1N139	40*	20	1.0	1500	50				130	70	80A		Ge		A23a
133	1N287	40	20	1.0	1500	50						90		Ge		DO7
134	1N432A	40	20	1.0	.005	10	.10	10	100	150	70	150		Si		
135	DR863	40*	20	1.0			500	30	90					Si		
136	T1G	40*	20	1.0	1500	50				80	60	90A		Ge		
136a#	SD14	40	25	1.0	200	40					60	90A		Ge		A23
137	1N145	40	40	1.0	100	10				130		80A		Ge		A23a
138	1N432B	40	50	1.0	.005	10	.10	10	100	150	85	150		Si		
138a*#	1S78	40	50	1.0	15	10	200	40	25		80	70		Ge		
138b	ED1980	40*	50	1.0	50	30								Ge		
139	1N498	40*	100	1.0	25	40				80	80	85		Ge		DO7
140	CTP553	40	100	1.0	200	20				80	100	90		Ge		A21
141	DR848	40*	100	1.5	.025	20	2.0	20	100					Si		
141a	ED2801	40	100	1.0	.025	30	5.0	30	150					Si		
141b	HD6132	40	100	1.0	.025	30	5.0	30	150					Si		A21
141c	MC482A	40	100	1.0	.025	30	15	30	150	300	200	300S	T	Si		A2a
141d	WD001	40	200	1.0	.25	30	30	30	150	400	200	150		Si		
141e	WD002	40	200	1.0	.025	30	15	30	150	400	200	150		Si		
141f	WD003	40	200	1.0	.025	30	5.0	30	150	400	200	150		Si		
141g	1N435	40			300	30					60	75		Ge	Quad	M4
142#	GD13E	45	2.0	1.0	10	10	1000	40	25		50	70A		Ge		
143#	GD73E/3	45	2.0	1.0	100	10	1000	40	25		20	60A		Ge		
144#	GD73E/4	45	2.0	1.0	20	10	1000	40	25		20	60A		Ge		
145#	GD73E/5	45	2.0	1.0	11	10	1000	40	25		20	60A		Ge		
146#	RL31	45	2.0	1.0	10	10	1000	40	25		50	70A		Ge		
147#	RL32	45	2.0	1.0	20	10	1000	40	25		50	70A		Ge		
148#	RL246	45	2.0	1.0	20	10	1000	40	25		50	70A		Ge	Pair	
149	1N636	45§	2.5	1.0	10	10				80	30	85		Ge		DO7
150#	CG64H	45	3.0	1.0	200	10	500	10	60		30	100J		Ge		A38
151#	GD4E	45	3.0	1.0	33	10	1000	40	25		50	60A		Ge		
152#	GD6E	45	3.0	1.0	11	10	1000	40	25		50	60A		Ge		
153#	GD1E	45	5.0	1.0	11	10	1000	40	25		50	60A		Ge		
154#	GD1P	45	5.0	1.0	10	10	1000	40	25		50	70A		Ge	Pair	
155#	GD1Q	45	5.0	1.0	10	10	1000	40	25		40	50A		Ge	Quad	
155a#	SFD110	45	6.0	1.0	1.0	.10	350	45	25		30	90S		Ge		A21
156#	GD5E	45	8.0	1.0	50	10	1000	40	25		50	60A		Ge		
157	601C	45†	10	1.0	.025	10	40	10	150	40	25	150A		Si		C3
158	CTP462	45	150	1.0	5.0	10								Si		A21
159	1N210	47	3.5	1.0	.10	47	10	47	100A	150	27	150A		Si*		C1
159a	1N388	47	3.5	1.0	.10	47	10	47	100A	150	27	150A		Si		
160	616C	47†	10	1.0	.20	47	40	47	150	40	40	150A		Si		C3
160a#	16P2	50	1.0	1.0	.50	50	100	50	150			150		Si		
161#	GEX34	50	1.0	1.0	50	10	250	50	15	100	30	70		Ge		A24
161a#	G551	50*	3.0	1.0							50			Ge		
161b#	GD4	50†	3.0	1.0	40	10		40	5.0	50	30			Ge		A58
161c#	SD46	50	3.0	1.0	1500	50					30	90A		Ge		A23
161e#	1G27	50§	4.0	1.0	200	50					40		T	Ge		
162	1N52A	50	5.0	1.0	100	50					50	75		Ge		DO7
163	1N54	50	5.0	1.0	7.0	10	100	50	25		50	90		Ge		DO7
164	1N54A	50	5.0	1.0	7.0	10	100	50	25		50	90		Ge		DO7
164a	1N568	50†	5.0	.32	100	5.0								Ge		
164b	1N897	50	5.0	1.0	.10	40	20	40	100	250		150		Si		A2
164c#	26P1	50	5.0	1.0	50	50						70A		Ge		
165#	G5/5	50Δ	5.0	1.0	18	10					20	70		Ge		
165a	LD145	50	5.0	1.0			250	25	70	80	30	90		Ge		DO7
165b	PD101	50	5.0	1.0	1.0	10	25	10	100	250		150		Si		A2
165c#	SD54	50	5.0	1.0	7.0	10	100	50	25		30	90A		Ge		A23
165d	GD15	50	7.0	1.0	300	4.0								Ge		A58
166	1N35	50	7.5	1.0	10	10					23	75		Ge	Pair	DO7
166a	1N909	50	10	.35	10	10				80	100			Ge		DO7

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# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
			I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)	@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)										
166b	1N949	50	10	.39	10	10	50	10	55	80		90A		Ge		A21
166c	DR352	50*	10	.35			300	30	50	80	100			Ge		
166d	GEX13	50	10	1.5	250	50	500	50	60		30	70		Ge		A1
167	GEX23	50	10	1.5	100	50	250	50	60		30	70		Ge		A1
167a	OS33	50Δ	10	.10	50									S1		
167b	S33	50	10	1.0	.10	50				300		150J		S1*		
167c	1NA6	50	15	1.0	300	30						70A		Ge		
167d	G552	50*	16	2.0			250	50	50		50			Ge		
168	1N278	50*	20	1.0			125	50	75	80		90	M	Ge		DO7
168a	1N930	50*	20	1.0	100	75					250			S1		DO7
168b	PD102	50	20	1.0	.50	10	25	10	100	250		150		S1Δ		A2
169	T18	50	20	1.0	125	50				130	40	80A		Ge		
170	T20	50	20	1.0	30	10	500	50	25	130	40	80A		Ge		
171	T20G	50*	20	1.0			500	50	75	80		90		Ge		
172	T23	50	20	1.0	200	50				130	50	80A		Ge		
173	T23G	50	20	1.0	200	50				80	45	90A		Ge		
174	1N312	50	30	1.0	50	50				80	70	90		Ge		A23a
174a	FD7	50	30	.50	100	50				75		75J		Ge*		
174b	GEX943	50	30	.65	5.0	50					115	75A		Ge		C4
174c	GEX944	50	30	.65	5.0	50					115	75A		Ge		A25
174d	OA200	50	30	.90	.10	50	5.0	50	100		50	125A		S1		A3
175	1N276	50*	40	1.0	100	50				80		90	M	Ge		DO7
176	CTP301	50	40	1.0	25	50	100	20	75	80	70	90		Ge		A21
176b	G44	50Δ	40	1.0	10	10	20	20	25		85			Ge		
177	1N108	50	50	1.0	200	50						90		Ge		DO7
177a	HS1010	50	50	1.0	.05	50	5.0	50	100	200	90	200		S1*		
177b	HS1011	50	50	1.0	.10	50				200	90	200		S1*		
177c	HS1012	50	50	1.0	.20	50				200	90	200		S1*		
177d	1G55	50§	100	1.0	100	50	160	50	60		110	75J		Ge		
178	1N499	50§	100	1.0	30	50				80	80	85		Ge†		DO7
178a	1N898	50	100	1.0	.50	40	20	40	100	250		150		S1Δ		A2
178b	85P1	50	100	1.0	100	50						70A		Ge		
178c	HG5002	50	100	.80	5.0	50				80	80	90		Ge		
178d	HG5004	50	100	.80	25	50				80	80	90		Ge		
178e	HG5006	50	100	.80	50	50				80	80	90		Ge		
178f	HS1004	50	100	1.0	.05	50	5.0	50	100	200	120	200		S1*		
178g	HS1005	50	100	1.0	.10	50				200	120	200		S1*		
178h	HS1006	50	100	1.0	.20	50				200	120	200		S1*		
178i	PD103	50	100	1.0	.50	10	25	10	100	250		150		S1Δ		A2
178j	SD005	50	100	1.0			100	50	100		250			S1		
178k	SD102	50	100	1.0	.50	50	50	50	100		100	150A		S1*		A23
178m	THP71	50*	100	1.0	5.0	10						70A		Ge		
178n	TMD41	50	100	1.0	.25	50	30	50	100	100	75	150A		S1Δ		
179	1N454	50*	200	1.0	50	50				130		90A		Ge		A23a
181	DR351	50*	200	1.0			300	30	50	80	100			Ge		
182	LD130	50*	200	1.0	15	15	50	50	25	80	100	85		Ge†		DO7
182a	SD17	50	200	1.0	300	50					100	90A		Ge		A23
182c	1S205	50	400	1.0	.10	50					100	125A	T	S1Δ		
183	G500	50*	500	1.0	50	50				130		90A		Ge		
183a	SD405	50	500	1.5			500	50	150		400			S1		
183b	SM5A	50	500	1.5	1.0	50					500	150		S1		DO2
184	ZS30A	50	500	1.1	.20	50	15	50	100	650	500	160A		S1Δ		A44
185	ZS30B	50	500	1.1	5.0	50	50	50	100	650	500	160A		S1Δ		A44
186	230	52	.25	4.0	4.0	52						90		Se		
187	250	52	.50	4.0	8.0	52						90		Se		
188	270	52	1.0	4.0	16	52						90		Se		
189	1N304	55	2.0	1.5	2.0	10	50	50	25					Ge		A23a
190	OA179	55	4.0	1.0	250	50						75		Ge		
191	1N211	56	2.7	1.0	1.0	56	50	56	100A	150	23	150A		S1*		C1
191a	1N389	56	2.7	1.0	1.0	56	50	56	100A	150	23	150A		S1		
191c	BA100	60	1.0	.90			5.0	10	75			20	90A	S1		A3
191d	UCI329	60	1.0	1.0			60	60	150	100	30	150		S1*		
191e	GD74E/3	60	2.0	1.0	100	10								Ge		

# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Conf. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION					
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	S T A T U S	MAT.	USE	DWG. No.		
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)											I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)
191f#	GD74E/4	60	2.0	1.0	20	10								Ge				
191g#	GD74E/5	60	2.0	1.0	11	10								Ge				
192	1N113	60*	2.5	1.0	25	10	125	50	25		75	50	75	Ge			A23a	
193	1N114	60*	2.5	1.0	50	10	250	50	25		75	50	75	Ge			A23a	
194	1N115	60*	2.5	1.0	100	10	500	50	25		75	50	75	Ge			A23a	
195	1N46	60	3.0	1.0	1500	50						40		Ge			A23a	
195a#	1NA4	60	3.0	1.0	80	10	800	50	25				70A	Ge				
196#	OA71	60∅	3.0	1.1	250	90	500	90	60			35	60	Ge				
196a#	1S32	60Δ	4.0	1.0	6.5	10						30	75	Ge				
196b#	1S34	60Δ	4.0	1.0	350	50						30	75	Ge				
197#	GEX45/1	60	4.0	1.0	1000	50					100	30	70	Ge				
198#	KL1	60	4.0	1.0	800	50					200	50	75	Ge				
199	1N34	60	5.0	1.0	30	10	500	50	25			50	90	Ge			D07	
200	1N34A	60	5.0	1.0	30	10	500	50	25			50	90	Ge			D07	
201	1N43	60*	5.0	1.0	.02	5.0	800	50	25			40	75	Ge			A23a	
202	1N66	60	5.0	1.0	50	10					80	50	100	Ge			A23a	
203	1N66A	60	5.0	1.0	50	10					80	30	90	Ge			A23a	
204	1N69	60*	5.0	1.0	50	10	850	50	25			40	70	Ge			D07	
205	1N69A	60	5.0	1.0	30	10	500	50	25			40	90	M	Ge		D07	
206	1N90	60	5.0	1.0	500	50					80	30	90	Ge			A21	
207	1N111	60*	5.0	1.0	25	10	125	50	25			75	50	75	Ge			A23a
208	1N112	60*	5.0	1.0	50	10	250	50	25			75	50	75	Ge			A23a
209	1N116	60	5.0	1.0	100	50						80	30	90	Ge			A21
210	1N126	60	5.0	1.0	850	50						80	30	90	M	Ge		A23a
211	1N126A	60*	5.0	1.0	50	10	300	50	25			30	90	M	Ge			A21
212	1N294	60	5.0	1.0	10	10						80	50	100	Ge			D07
213	1N294A	60	5.0	1.0	10	10						80	30	90	Ge			D07
213#	1T22	60	5.0	1.0	30	10	500	50	25A			50	70	Ge			A37	
214#	1T22G	60	5.0	1.0	30	10	500	50	25			50	70	Ge				
215	C116	60	5.0	1.0	Clip in Version of 1N116													
215a	FD323	60	5.0	1.0	.50	60	30	60	150			250	5.0	175	S1#			A22
216#	G5/6	60*	5.0	1.0	30	10	500	50	25			50	70	Ge				
217#	G5/61	60*	5.0	1.0	7.0	10	100	50	25			30	70	Ge				
218#	G5/62	60*	5.0	1.0	7.0	10	20	10	60			30	70	Ge				
218a#	GW40	60	5.0	1.0	30	10	500	50	25			50	90	Ge				
218b#	GW108	60	5.0	1.0			75	60	60					Ge				
218c∅	SD11F	60	5.0	1.0	30	10	50	50	25			15		Ge				
218d#	SD34	60	5.0	1.0	30	10	500	50	25			30	90A	Ge			A23	
218e	ED1902	60*	7.0	1.0	500	50								Ge				
219	1N95	60	10	1.0	800	50						80	30	90	Ge			A21
220	1N116A	60*	10	1.0	100	50								Ge			A23a	
221	1N117	60	10	1.0	100	50						80	30	90	Ge			A21
222	C95	60	10	1.0	Clip in Version of 1N95													
223	C117	60	10	1.0	Clip in Version of 1N117													
224	LD125	60*	10	1.0	30	10	500	50	25			80	30	85	Ge			D07
226	1N73	60*	15	1.5	Four Matched Diodes										Ge			D07
227	1N74	60*	15	1.5	Four Matched Diodes										Ge			D07
228	1N96	60	20	1.0	500	50						80	30	90	Ge			A21
229	1N117A	60*	20	1.0	100	50								Ge			A23a	
230	1N118	60	20	1.0	100	50						80	30	90	Ge			A21
230a	1N890	60	20	1.0	.025	60						250	100	150A	S1*			A21
230b	ED1837	60	20	.50	15	10	200	50	25			80	60	90	Ge			
230c	FD326	60	20	1.0	.025	60	5.0	60	150			250	20	175	S1#			A22
231	LD141	60§	20	1.0	100	10						80	30	85	Ge			D07
231a∅	PD125	60	20	1.0	.025	60	5.0	60	150			250	30	150	S1			A2
232	T3G	60*	20	1.0	50	50						80	80	90A	Ge			
233	T12	60	20	1.0	30	10	500	50	25			130	70	80A	Ge			
234	T12G	60*	20	1.0	30	10	500	50	25			60	90A	Ge				
234a*#	1S77	60	25	1.0	25	10	250	60	25			60	70	Ge				
234b#	14P1	60	40	1.0	60	60							70A	Ge				
235	LD143	60*	40	1.0	100	.50						80	30	85	Ge			
236	T2G	60*	40	1.0	300	50						80	70	90A	Ge			
238	DR291	60*	50	1.0	100	25						80		Ge				

# 1. DIODES



LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.

LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
			I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)	@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)										
239	1N281	60*	100	1.0	30	10	500	50	25	80	90	M	Ge		DO7	
240	1N292	60*	100	1.0	200	50				80	70		Ge		DO7	
241	1N305	60	100	.80	2.0	10	65	10	70	150	125		Ge		A23a	
242	1N457A	60*	100	1.0	.025	60	5.0	60	150A	500	200		Si		A46	
243	1N462A	60*	100	1.0	.50	60	30	60	150A	500	200		Si		A46	
244	1N500	60*	100	1.0	40	60				80	80		Ge		DO7	
245	1N774	60*	100	1.0	15	10	150	50	25A	80	50		Ge		DO7	
246	1N775	60*	100	1.0	20	10	250	50	25A	80	50		Ge		DO7	
246a	CD1141	60	100	1.0	.001	60	1.0	60	150	200	150		Si			
247	CTP316	60	100	1.0	20	50				80	80		Ge			
247a	FD312	60	100	1.0	.005	60	5.0	60	150	250	150		Si		A22	
247b	FD316	60	100	1.0	.025	60	5.0	60	150	250	100		Si		A22	
247d	Q53	60	100	1.0	.10	60	15	60	125		75		Si	QUAD	A21	
248#	SX11	60	100	1.5	.50	60	5.0	60	100		100	150J	T	Si*	DO7	
248a#	SX641	60	100	1.5			5.0	60	100		300	150		Si*	C6	
249	T8G	60*	100	1.0	5.0	10	20	100	25		80	90A		Ge		
250	T9	60	100	1.0	200	10	20	50	25	130		80A		Ge		
251	T9G	60*	100	1.0	2.0	10	20	50	25	80		90		Ge		
252#	ZS10A	60	100	1.5	.05	60	5.0	60	100	150	100	150A		Si*	C1a	
253#	ZS10B	60	100	1.5	.50	60	10	60	100	150	100	150A		Si*	C1a	
253a#	1G30	60*	150	.72	100	60	200	60	55		180	55A		Ge*		
254	1N774A	60*	200	1.0	15	10	150	50	25A	80	65	90A		Ge	DO7	
254a	CD1147	60	200	1.0	.005	60	5.0	60	150	200	175	200		Si	A23	
254b	FD341	60	200	1.0	.25	60	30	60	150	250	200	175		Si	A22	
254c	FD342	60	200	1.0	.025	60	15	60	150	250	200	175		Si	A22	
254d	FD343	60	200	1.0	.025	60	5.0	60	150	250	200	175		Si	A22	
254e*#	MS1H	60	200	1.0	1.0	60	50	60	150J	220	250	150J		Si	A38a	
255	PS609	60§	200	1.0	.25	60	30	60	150A	500	200	200		Si		
256	PS610	60§	200	1.0	.025	60	15	60	150A	500	200	200		Si		
257	PS611	60§	200	1.0	.025	60	5.0	60	150A	500	200	200		Si		
258	T7	60	200	1.0	100	50				130		80A		Ge		
259	T19	60	200	1.0						130	70	80A		Ge		
260	T19G	60	200	1.0							60	90A		Ge		
261#	ZS50	60	200	1.1	.50	60	5.0	60	100	300	200	150A		Si*	C1a	
263#	CV425	65	4.0	1.0	1000	50					30	100J		Ge	A38	
263a#	1G65	65#	5.0	1.0	125	60					35	60J		Ge		
265	1N773	65*	100	1.0	10	10	100	50	25A	80	50	90A		Ge	DO7	
266	1N773A	65*	200	1.0	10	10	100	50	25A	80	65	90A		Ge	DO7	
267	1N1626	66	.10	2.0	15	52	18.8	52	100J		.25	25A		Se		
268	1N1626A	66	.20	2.0	15	52	18.8	52	100J		.50	25A		Se		
269	1N1628	66	1.5	2.0	27	52	33.8	52	100J		3.8	25A		Se		
270	1N1636	66	5.0	2.0	108	52	135	52	100J		13	25A		Se		
271	1N1641	66	11	2.0	240	52	300	52	100J		28	25A		Se		
271a	2GH	66			27	52					3.8	100C		Se		
271b	2XH	66			110	52					13	100C		Se		
272	HB4	68	.90	1.0	20	39				150		100A		Si*	C1	
273	1N212	68	2.0	1.0	1.0	68	50	68	100A	150	19	150A		Si*	C1	
273a	1N390	68	2.0	1.0	1.0	68	50	68	100A	150	19	150A		Si		
274	1N431	68	10				1.0	68	80	150	10	150A		Si	C1	
275	618C	68†	10	1.0	.20	68	40	68	150	40	35	150A		Si	C3	
278	1N65	70*	2.5	1.0	200	50					50	75		Ge	DO7	
278a#	GW60	70	2.5	1.0	200	50					50	75		Ge		
279	1N298A	70	3.5	1.0	10	5.0				80	30	90		Ge	DO7	
280	1N48	70*	4.0	1.0	833	50					50	75		Ge	DO7	
281	1N52	70*	4.0	1.0	150	50					50	75		Ge	DO7	
282	1N86	70	4.0	1.0	50	10	833	50	25		50	75		Ge	A23a	
283	G48	70	4.0	1.0	833	50					50	75		Ge		
283a#	GD6	70†	4.0	1.0	1000	50					50			Ge	A58	
284#	KL2	70	4.0	1.0	250	50				200	50	75		Ge		
285#	KL6	70	4.0	1.0	250	50	10	10	25	200	50	75		Ge		
286	1N301	70	5.0	1.0	.01	10	.20	10	100	150	45	150		Si		
287	1N462	70*	5.0	1.0	.50	60	30	60	150	200	50	200		Si	A21	
287a	ED2835	70	5.0	1.0	.50	60	30	60	150					Si		

SEE FOLD-OUT BACK COVER for EXPLANATION of SYMBOLS.

# 1. DIODES

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LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION				
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.	
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)											I <sub>b</sub> (μa)
287b	HD6002	70†	5.0	1.0	.50	60	30	60	150					S1			A21
288#	RL34	70	5.0	1.0	30	10	500	60	25			50	70A	Ge			
288a	FD332	70	10	.70	.025	70	15	70	150	250	10	175		S1#			A22
288b	FD333	70	10	.70	.025	70	5.0	70	150	250	10	175		S1#			A22
288cØ	HD4419	70†	10	1.0			50	60	100					S1			
289	STC103	70*	10	.72	.025	70	15	70	150		200			S1			A21
290	STC104	70*	10	.72	.025	70	5.0	70	150		200			S1			A21
291	1N301A	70	18	1.0	.01	10	.20	10	100	150	65	150		S1Ø			
292	1N141	70*	20	1.0	50	50				130	70	90A		GeØ			A23a
293	1N289	70*	20	1.0	50	50					80	70		Ge			DO7
294	1N350	70	20	1.0	.03	60	5.0	60	125		15			S1			C1b
295	1N457	70*	20	1.0	.025	60	5.0	60	150	200	75	200	M	S1Δ			A21
295a	1N457M	70*	20	1.0	.025	60	5.0	60	150	200	75	200		S1Δ			A2
295b	ED2838	70	20	1.0	.025	60	5.0	60	150					S1			
295c	HD6006	70†	20	1.0	.025	60	5.0	60	150					S1			A21
295d	UCI325	70	20	1.0	.10	70				100	70	150		S1*			
296	1N298	70	30	2.0	250	40				80	50	100		Ge			DO7
297	1N140	70*	40	1.0	300	50				130	85	80A		GeØ			A23a
298	1N288	70	40	1.0	350	50						90		Ge			DO7
299	1N301B	70	50	1.0	.01	10	.20	10	100	150	75	150		S1Ø			
299a	ED2821	70	50	1.0	.25	60	30	60	150	200	100	200		S1			
299b	ED2822	70	50	1.0	.025	60	5.0	60	150	200	200	200		S1			
300	HD6763	70	50	1.0	.25	60	30	60	150	200	100	200		S1Δ			A21
301	HD6764	70	50	1.0	.025	60	5.0	60	150	200	200	200		S1Δ			A21
302	1N483	70†	100	1.1	.25	60	30	60	150	250	100	200A		S1			DO7
303	1N483A	70†	100	1.0	.025	60	15	60	150	250	200	200A		S1			DO7
304	1N483B	70†	100	1.0	.025	60	5.0	60	150	250	200	200A	N	S1			DO7
304aØ	1N483C	70	100	1.0	.005	60								S1			
305	1N772	70*	100	1.0			50	50	25A	80	50	90A		GeØ			DO7
305aØ	FD381	70†	100	1.0	.001	60	1.0	60	150					S1#			A22
305bØ#	HG5001	70Ø	100	.80	5.0	50				80	80	90		GeØ			
305cØ#	HG5003	70Ø	100	.80	25	50				80	80	90		GeØ			
305dØ#	HG5005	70Ø	100	.80	50	50				80	80	90		GeØ			
305eØ	MC457A	70	100	1.0	.025	60	5.0	60	150	300	200	300S	T	S1Δ			A2a
305fØ	PS2207	70†	100	1.0	.025	10	5.0	10	150			175A		S1	QUAD		
305gØ	PS2208	70†	100	1.0	.025	10	5.0	10	150			175A		S1	QUAD		
305hØ	PS2209	70†	100	1.0	.025	10	5.0	10	150			175A		S1	QUAD		
305j	RD1357	70	100	1.0	.005	60	5.0	60	150		200			S1			
306	1N772A	70*	200	1.0			50	50	25A	80	65	90A		GeØ			DO7
307	CD1112	70	250	1.0	.005	70	5.0	70	150	200	200	200		S1			
307a	FD358	70	250	1.0	.005	70	5.0	70	150	250	250	175		S1#			A22
308	DR463	70*	300	1.0	100	10	500	50	25	80	100			GeØ			
309	1N45	75	3.0	1.0	410	50						35		Ge			A23a
309a#	GD8	75*	3.0	1.0	100	50						30		Ge			A58
309b	1N49	75†	5.0	1.0	200	20								Ge			
309c	1N50	75†	5.0	1.0	80	20								Ge			
309d	1N135	75†	5.0	1.0	850	50								Ge			
309e#	1NA1	75	5.0	1.0	30	10	500	50	25			70A		Ge			
309f#	1NA5	75	5.0	1.0	7.0	10	100	50	25			70A		Ge			
309gØ#	HG1011	75†	5.0	1.0	50	50						90		Ge			
309hØ#	HG1012	75†	5.0	1.0	100	50						90		Ge			
309j#	AAZ15	75	10	.45	4.0	10	60	10	60		55	60A		GeØ			A3
309kØ#	HG1009	75†	10	1.0	50	50						90		Ge			
309mØ#	HG1010	75†	10	1.0	100	50						90		Ge			
310	1N314	75	15	1.0			50	10	85		100	125		Ge			
311	DR207	75*	20	1.0	50	50				80	60			GeØ			
311aØ#	HG1007	75†	20	1.0	50	50						90		Ge			
311bØ#	HG1008	75†	20	1.0	100	50						90		Ge			
312	1N96A	75	40	1.0	500	50				80		90		GeØ			A23a
313	1N118A	75	40	1.0	100	50				80		90		GeØ			A23a
314	DR338	75*	40	1.0	100	50				80				GeØ			
315	DR128	75*	50	1.0	100	50				80				GeØ			
316	DR283	75*	50	1.0	30	10				80				GeØ			

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LINE No.	TYPE No.	Max. Conf. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION							
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	S T A T U S	MAT.	USE	DWG. No.				
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)											I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)		
317	DR318	75*	50	1.0	2.0	10											Ge∅			
318	DR319	75*	50	1.0	5.0	10											Ge∅			
319	DR366	75*	50	1.0	100	50											Ge∅			
320	DR213	75*	100	1.0	2.0	10	20	50	25	80	80						Ge∅			
321	DR326	75*	100	1.0	250	10				80	80						Ge∅			
321a∅#	1G56	75	200	1.0	100	75	200	85	75		140	75J					Ge∅			
322	DR307	75*	200	1.0	50	20				80	100						Ge∅			
323	DR389	75*	200	1.0	50	50				80	100						Ge∅			
323a	ED2109	75	200	1.0	50	20				80	100						Ge			
324	DR329	75*	300	1.0	50	20				80	100						Ge∅			
324a	ED2110	75	300	1.0	50	20				80	100						Ge			
325	DR303	75*	400	1.0	50	20				80	100						Ge∅			
326#	G505	80*	1.0	1.0	15	10	130	50	25		20						Ge	PAIR		
326a#	RL247	80	2.0	1.0	10	10											Ge	PAIR		
328#	GEX54	80	3.0	1.0	10	10	100	50	25	100	30	70					Ge		A24	
329	1N89	80	3.5	1.0	100	50				80	30	90					Ge		A23a	
330	1N297	80	3.5	1.0	10	5.0				80	35	100					Ge		A23a	
331	1N297A	80	3.5	1.0	10	5.0				80	30	90					Ge		A23a	
332	C89	80	3.5	1.0	Clip in Version of 1N89															
333	G89	80	3.5	1.0	8.0	5.0	100	50	25		30	90					Ge			
334	1N57	80	4.0	1.0	500	75				500							Ge		A23a	
334a∅	1N57A	80†	4.0	1.0	500	75					40	75A					Ge			
335	1N67	80*	4.0	1.0	5.0	5.0				80	35	100					Ge			
336	1N67A	80	4.0	1.0	50	50				80	30	90					Ge		A21	
337	1N198	80	4.0	1.0	50	50				80	30	90					Ge		A21	
337a	1N198A	80	4.0	1.0	50	50	250	50	75		30	90					Ge		DO7	
338	1N265	80	4.0	1.0	300ma	60											Ge			
338a	1N355	80	4.0	1.0	5.0	5.0	50	50	25		500	90					Ge		A23a	
339	C67	80	4.0	1.0	Clip in Version of G67															
340	G67	80	4.0	1.0	5.0	5.0	50	50	25		30	75					Ge			
340b#	1G25	80∅	5.0	1.0	250	80					40						T	Ge		
341	1N97	80	10	1.0	100	50				80	30	90					Ge		A21	
342	1N99	80	10	1.0	50	50				80	30	90					Ge		A21	
343	C99	80	10	1.0	Clip in Version of 1N99															
344	1N97A	80*	20	1.0	8.0	5.0	100	50	25								Ge		A23a	
345	1N98	80	20	1.0	100	50				80	30	90					Ge		A21	
346	1N99A	80*	20	1.0	5.0	5.0	50	50	25								Ge		A23a	
347	1N100	80	20	1.0	50	50				80	30	90					Ge		A21	
348	1N501	80*	100	.80	20	80				80	80	90					Ge			
349	1N771	80*	100	1.0			25	50	25A	80	50	90A					Ge∅		DO7	
349a	DR314	80	100	1.0	50	50				80	80						Ge∅			
349b	ED2802	80	100	1.0	.025	60	5.0	60	5.0	60	150						S1			
349c	HD6133	80	100	1.0	.025	60	5.0	60	150								S1		A21	
349d∅	MC483A	80	100	1.0	.025	60	15	60	150	300	200	300S	T				S1Δ		A2a	
350#	OA182	80	100	.85	10	60						75					Ge			
350a#	SD21	80	100	.50	200	80					200	75A					Ge*		C10	
350b	1N633	80	150	.98	180	90					60	70					Ge		DO7	
351	1N270	80*	200	1.0	100	50				80		90	M				Ge∅		DO7	
352	1N771A	80*	200	1.0			25	50	25A	80	65	90A					Ge∅		DO7	
353	DR668	80*	200	1.0	.025	60	5.0	60	150		200						S1			
353a#	SD18	80	200	1.0	100	50					100	90A					Ge∅		A23	
353b∅	WD004	80	200	1.0	.25	60	30	60	150	400	200	150					S1			
353c∅	WD005	80	200	1.0	.025	60	15	60	150	400	200	150					S1			
353d∅	WD006	80	200	1.0	.025	60	5.0	60	150	400	200	150					S1			
353e*#	1S83	80	250	.50	20	80	120	80	50		200	70					Ge*			
353f	DR330	80	300	1.0	10	10	50	50	25A	80	100						Ge∅			
354	1N771B	80*	400	1.0			25	50	25A		75	90A					Ge∅		DO7	
355	G400	80*	400	1.0	25	50				130		90A					Ge∅			
356	1N213	82	1.5	1.0	1.0	82	50	82	100A	150	16	150A					S1*		C1	
356a	1N391	82	1.5	1.0	1.0	82	50	82	100A	150	16	150A					S1			
356b#	GD5	85†	3.0	1.0	100	30					30						Ge		A58	
356c∅	PD133	85	10	1.0	1.0	60	40	60	100	250	30	150					S1		A2	
357	9GA4	88	1.0	8.0	10	80						90					Se			

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SEE FOLD-OUT BACK COVER for EXPLANATION of SYMBOLS.

# 1. DIODES



LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.

LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)										
357a	9PA4	88	1.0	8.0	10	80						90		Se		
358#	RL43	90	2.0	1.0	10	10	500	80	25		50	70A		Ge		
359#	G2,5/9	90*	2.5	1.0	100	50					30	70		Ge		
360	1N476	90	3.0	1.0	180	75					50	75		Ge		A23a
361	1N477	90	3.0	1.0	180	75					50	75		Ge		A23a
362	1N617	90	3.0	1.0	11	10	175	75	25		50	75		Ge		A23a
363#	GD2E	90	3.0	1.0	10	10	500	80	25		50	60A		Ge		
364	1N88	90	5.0	1.0	75	100	190		60					Ge		A23a
365	1N460	90	5.0	1.0	.01	10	.20	10	100	150	45	150		Si	∅	
366	1N478	90	5.0	1.0	155	75					50	75		Ge		A23a
367	1N479	90	5.0	1.0	155	75					50	75		Ge		A23a
368	1N618	90	5.0	1.0	7.0	10	115	75	25		50	75		Ge		A23a
369#	OA85	90*	5.0	1.0	250	100	430	100	60		50	75		Ge		A7
370#	OA91	90*	7.0	1.0	75	100	190	100	60		50	75		Ge		A3
371#	OA95	90*	9.0	1.0	80	100	200	100	60		50	75		Ge		A3
372#	OA81	90*	10	1.9	275	100	450	100	60		50	75		Ge		A7
373	1N460A	90	15	1.0	.01	10	.20	10	100	150	60	150		Si	∅	
373a#	G45	90Δ	20	1.0	10	10	50	50	25		40			Ge		
373b#	G42	90Δ	40	1.0	10	10	50	50	25		85			Ge		
374	1N460B	90	50	1.0	.01	10	.20	10	100	150	70	150		Si	∅	
375	1N1629	99	1.5	3.0	27	78	33.8	78	100J		3.8	25A		Se		
376	1N1637	99	5.0	3.0	108	78	135	78	100J		13	25A		Se		
377	1N1642	99	11	3.0	240	78	300	78	100J		28	25A		Se		
377a	3GH	99			27	78					3.8	100C		Se	Δ	
377b	3XH	99			110	78					13	100C		Se	Δ	
377c∅	HD4447	100†	.01	1.0			50	75	100					Si		
377d#	15P2	100	1.0	1.0	.50	100	100	100	150			150		Si		
378	1N214	100	1.2	1.0	1.0	100	50	100	100A	150	125	150A		Si*		C1
379	1N392	100	1.2	1.0	1.0	100	50	100	100A	150	125	150A		Si		
380	1N75	100§	2.5	1.0	50	50					50	75		Ge		DO7
381#	GW120	100	2.5	1.0	50	50					50	75		Ge		
382	1N68	100	3.0	1.0	625	100				80	35	100		Ge		
383	1N68A	100	3.0	1.0	625	100				80	30	90		Ge		DO7
384	1N70	100§	3.0	1.0	25	10	300	50	25		30	70		Ge		A21
385	1N70A	100	3.0	1.0	25	10	300	50	25		30	90	M	Ge		DO7
386	1N127	100	3.0	1.0	300	50				80	30	90		Ge		DO7
387	1N127A	100§	3.0	1.0	25	10	200	50	25		30	90	M	Ge		DO7
388	C68	100	3.0	1.0	Clip in Version of 1N68A											A21
389#	CG61H	100	3.0	1.0	50	50	500	100	25		30	100J		Ge		A38
389a#	CG62H	100	3.0	1.0	100	50	500	100	25		30	100J		Ge		A38
389b#	CG63H	100	3.0	1.0	200	50	500	100	25		30	100J		Ge		A38
390*#	CV448	100	3.0	1.0	100	50	50	10	60		25	100J		Ge		A38
391	G68	100	3.0	1.0	Solder in Version of 1N68A							60		Ge		
392#	GEX54/3	100	3.0	1.0	10	10	500	100	20					Ge		
392a#	GW80	100	3.0	1.0	25	10	300	50	25		30	70		Ge		
393	1N38	100	4.0	1.0	6.0	3.0	500	100	25		50	90		Ge		DO7
394	1N38A	100*	4.0	1.0	6.0	3.0	500	100	25		50	90		Ge		DO7
395	1N38B	100	4.0	1.0	6.0	3.0	500	100	25		50	90		Ge		DO7
396	1N58	100*	4.0	1.0	600	100					50	90		Ge		DO7
397	1N58A	100	4.0	1.0	600	100					50	90		Ge		DO7
398	1N63	100	4.0	1.0	50	50					50	90		Ge		DO7
399	1N63A	100	4.0	1.0	50	50				80	30	90		Ge		DO7
399a#	1S33	100Δ	4.0	1.0	350	100					30	75		Ge		
400#	G4/10	100*	4.0	1.0	5.0	3.0	500	100	25		50	70		Ge		
401	G63	100	4.0	1.0	Solder in Version of 1N63							75		Ge		
402#	OA150	100	4.0	1.0	200	60						90A		Ge		A23
402a#	SD38	100	4.0	1.0	5.0	10	500	100	25		30	90A		Ge		A23a
403	1N142	100*	5.0	1.0	100	100				130	60	90A		Ge		A23a
404	1N290	100	5.0	1.0	100	100						90		Ge		DO7
404a	1N899	100	5.0	1.0	.10	80	20	80	100	250		150		Si	Δ	A2
404b∅#	HG1005	100†	5.0	1.0	50	50						90		Ge		
404c∅#	HG1006	100†	5.0	1.0	100	50						90		Ge		
404d	PD104	100	5.0	1.0	.50	10	25	10	100	250		150		Si	Δ	A2

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)										
404e#	SFD108	100*	5.0	1.0	250	100	450	100	55		30	90S		Ge		A21
405	T4G	100*	5.0	1.0	100	100				80	50	90A		Ge		
406	T17	100*	5.0	1.0	5.0	3.0	500	100	25	130	60	80A		Ge		
406a#	GD9	100*	6.0	1.0	75	50					50		T	Ge		A58
406c#	1G26	100§	7.0	1.0	200	100					50			Ge		
407	620C	100†	10	1.0	.20	100	40	100	150	40	30	150A		Si		C3
407a#	GW106	100	10	.25			5.0	1.5	60					Ge		
407b#	HG1003	100†	10	1.0	50	50						90		Ge		
407c#	HG1004	100†	10	1.0	100	50						90		Ge		
408	OA5	100	10	.25	.20	1.5	5.0	1.5	60		115	75		Ge		C10a
408a#	OS34	100Δ	10	.10	100									Si		
408b#	S34	100	10	1.0	.10	100				300		150J		Si*		
409	1N42	100*	12.8	1.5										Ge	QUAD	DO7
410	1N310	100	15	1.0	20	20	100	100	25	80	40	90		Ge		A23a
411	1N313	100	20	1.0	10	20	50	100	25	80	40	90		Ge		A23a
411a#	1N931	100*	20	1.0	100	125					250			Si		DO7
411b#	HG1001	100†	20	1.0	50	50						90		Ge		
411c#	HG1002	100†	20	1.0	100	50						90		Ge		
411d	PD105	100	20	1.0	.50	10	25	10	100	250		150		SiΔ		A2
412	1N448	100	25	1.0	30	30	100	100	25		60	75		Ge†		DO7
413	1N98A	100	40	1.0	100	50				80		90		Ge		A23a
414	1N100A	100	40	1.0	50	50				80		90		Ge		A23a
415	1N143	100*	40	1.0	100	100				130	85	90A		Ge		A23a
416	1N291	100	40	1.0	100	100						90		Ge		DO7
416a#	15P1	100	40	1.0	100	100						70A		Ge		
417	DR336	100*	40	1.0	8.0	5.0	100	50	25					Ge		
418	DR337	100*	40	1.0	5.0	5.0	50	50	25					Ge		
419	T5G	100*	40	1.0	100	100				80	70	90A		Ge		
419a	UCI326	100	40	1.0	100	50				100	70	150		Si*		
420	1N450	100	50	1.0	50	50	100	100	25		60	75		Ge†		DO7
421	1N634	100	50	1.0	35	30	115	100	25		100	75		Ge		DO7
421a	1N900	100	50	1.0	.10	80	20	80	100	250		150		SiΔ		A2
422	DR317	100*	50	1.0	50	50								Ge		
422a	PD106	100	50	1.0	.50	10	25	10	100	250		150		SiΔ		A2
422b	UCI332	100	50	1.0	10	100				100	200	25		Si*		
423	1N277	100*	100	1.0	250	50	75	10	75	80		90	M	Ge		DO7
424	1N453	100*	100	1.0	30	30				130		90A		Ge		DO7
425	1N502	100*	100	.80	20	100				80	70	90		Ge		
425a	1N901	100	100	1.0	.50	80	20	80	100	250		150		SiΔ		A2
426	DR313	100*	100	1.0	2.0	10	20	50	25	80	80			Ge		
427	DR323	100*	100	1.0			200	50	75	80	80			Ge		
427a	DR324	100*	100	1.0			500	50	75	80	80			Ge		
428#	GEX24	100	100	1.5	250	100					30	70		Ge		A1
428a#	GEX941	100	100	.82	30	100	125	100	60		115	75A		Ge		C 4
428b#	GEX942	100	100	.82	30	100	125	100	60		115	75A		Ge		A25
428c	PD107	100	100	1.0	.50	10	25	10	100	250		150		SiΔ		A2
428d*	SD010	100	100	1.0			100	100	100		250			Si		
428e#	SD103	100	100	1.0	.50	100	50	100	100		100	150A		Si*		A23
428f	TMD42	100	100	1.0	.25	100	30	100	100	100	75	150A		SiΔ		
428g#	1G31	100	200	6.0	75	100	200	100	55		200	55A		Ge*		
429	DR306	100*	200	1.0	100	50				80	100			Ge		
430	DR308	100*	200	1.0	10	10	50	50	25	80	100			Ge†		
431	LD142	100	200	1.0	500	100				80	100	85		Ge†		DO7
431a*#	MS2H	100	200	1.0	1.0	100	50	100	150J	220	250	150J		Si		A38a
432	DR328	100*	300	1.0	100	50				80	100			Ge		
432a	ED2111	100	300	1.0	100	50				80	100			Ge		
432b#	1M4	100	400	1.0	.20	100								Si		
432c#	1S210	100	400	1.0	.10	100					100	125A	T	SiΔ		
433	DR302	100*	400	1.0	100	50				80	100			Ge		
434	DR309	100*	400	1.0	10	10	50	50	25	80	100			Ge		
434a	MP100	100	400	1.0	.05	100	75	100	200					Si		
434c#	10AS	100	500	1.2			50	100	50A					Si		
434d*	SD410	100	500	1.5			500	100	150		400			Si		

# I. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)										
434e	SM10A	100	500	1.5	1.0	100					500	150	S1		DO2	
435#	ZS31A	100	500	1.1	.20	100	15	100	100	650	500	160A	S1Δ		A44	
436#	ZS31B	100	500	1.1	5.0	100	50	100	100	650	500	160A	S1Δ		A44	
437#	GD3E	110	3.0	1.0	10	10	500	100	25		50	60A	Ge			
438	1N44	115	3.0	1.0	1000	50					35		Ge		A23a	
439#	RL44	115	3.0	1.0	10	10	420	100	25		50	70A	Ge			
440	1N215	120	.90	1.0	1.0	120	50	120	100A	150	11	150A	S1*		C1	
441	1N393	120	.90	1.0	1.0	120	50	120	100A	150	11	150A	S1			
441a#	1NA7	120	4.0	1.0	6.0	3.0	500	100	25			70A	Ge			
442#	G4/12	120*	4.0	1.0	500	100					50	70	Ge			
442a#	GD10	120*	5.0	1.0	200	100					40		Ge		A58	
443	1N351	120	20	1.0	.03	100	5.0	100	125		15		S1		C1b	
443a#	SX12	120	100	1.5	.50	120	5.0	120	100		100	150J	S1*	T	DO7	
444#	SX642	120	100	1.5			5.0	120	100		280	150	S1*		C6	
445#	ZS20A	120	100	1.5	.05	120	5.0	120	100	150	100	150A	S1*		C1a	
446#	ZS20B	120	100	1.5	.50	120	10	120	100	150	100	150A	S1*		C1a	
447#	ZW6	120	120	1.5	.50	120	10	120	100	50	20	150A	S1			
448#	ZS51	120	200	1.1	.50	120	5.0	120	100	300	200	150A	S1*		C1a	
449	1N303	125	3.0	1.0	.01	10	.30	10	100	150	40	150	S1∅			
449a	FD329	125	3.0	1.0	.50	125	30	175	150	250	3.0	175	S1#		A22	
449b#	1NA2	125	4.0	1.0	600	100						70A	Ge			
450#	KL9	125	4.0	1.0	50	50				200	50	75	Ge			
450a	1N175	125†	5.0	1.0	50	50							Ge			
450b	FD327	125	7.0	1.0	.025	125	5.0	125	150	250	7.0	175	S1#		A22	
450c∅	PD129	125	7.0	1.0	.025	125	5.0	125	150	250	30	150	S1		A2	
451	1N303A	125	12	1.0	.01	10	.30	10	100	150	55	150	S1∅			
451a	1N102	125†	15	1.0	3.0	25							Ge			
452	DR209	125*	40	1.0	100	100				80	60		Ge∅			
453	HD2588	125	40	1.0	100	100				80		90	Ge∅			
454	1N303B	125	50	1.0	.01	10	.30	10	100	150	65	150	S1∅			
455	DR316	125*	50	1.0	100	100							Ge∅			
456	1N307	125	100	1.0	5.0	10	90	10	70	150	50	70	Ge∅		A23a	
457	1N458A	125*	100	1.0	.025	125	5.0	125	150A	500	200	200	S1		A46	
458	1N464A	125*	100	1.0	.50	125	30	125	150A	500	200	200	S1		A46	
458a	CD1142	125	100	1.0	.001	125	2.0	125	150	200	150	200	S1			
459	DR312	125*	100	1.0	5.0	10	20	100	25	80	80		Ge∅			
460	DR322	125*	100	1.0	200	50				80	80		Ge∅			
461	DR325	125*	100	1.0			75	10	75	80	80		Ge∅			
461a	FD313	125	100	1.0	.005	125	5.0	125	150	250	100	175	S1#		A22	
461b	FD317	125	100	1.0	.025	125	5.0	125	150	250	100	175	S1#		A22	
461e	Q54	125	100	1.0	.10	125	15	125	125		75	150	S1	QUAD		
461f	Q55	125	100	1.0	.10	125	15	125	125		75	150	S1	QUAD		
461g	1N567	125†	150	1.0	150	100							Ge			
461h	CD1148	125	200	1.0	.005	125	5.0	125	150	200	175	200	S1		A23	
462	DR305	125*	200	1.0	100	50				80	100		Ge∅			
463	DR321	125*	200	1.0			125	50	75	80	100		Ge∅			
464	DR379	125*	200	1.0	100	50	50	20	50	80	100		Ge∅			
464a	ED2112	125	200	1.0	100	50				80	100		Ge			
464b*	FD300	125	200	1.0	.005	125	5.0	125	150	500	300	175	S1#		A22	
464c	FD344	125	200	1.0	.25	125	30	125	150	250	200	175	S1#		A22	
464d	FD345	125	200	1.0	.025	125	15	125	150	250	200	175	S1#		A22	
464e	FD346	125	200	1.0	.025	125	5.0	125	150	250	200	175	S1#		A22	
465	PS615	125*	200	1.0	.25	125	30	125	150A	500	200	200	S1			
466	PS616	125*	200	1.0	.025	125	15	125	150A	500	200	200	S1			
467	PS617	125*	200	1.0	.025	125	5.0	125	150A	500	200	200	S1			
468	DR327	125*	300	1.0	100	50				80	100		Ge∅			
469	DR301	125*	400	1.0	100	50				80	100		Ge∅			
469a	ED2113	125	400	1.0	100	50				80	100		Ge			
470#	OA161	130	2.5	1.0	200	100						75	Ge			
471	1N61	130Δ	5.0	1.0	300	100	700	125	25		40	75	Ge		A23a	
471a#	1S72	130Δ	8.0	1.0	3.0	110					60	150	S1*			
471b	FD334	130	10	.70	.025	130	15	130	150	250	10	175	S1#		A22	
471c	FD335	130	10	.70	.025	130	5.0	130	150	250	10	175	S1#		A22	



# 1. DIODES



LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.

LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)										
472	STC105	130*	10	.72	.025	130	15	130	150		200			S1		A21
473	STC106	130*	10	.72	.025	130	5.0	130	150		200			S1		A21
474	DR292	130*	50	1.0	10	10	100	100	25					Ge∅		
474a	ED2823	130	90	1.0	.25	125	30	125	150	200	100	200		S1		
474b	ED2824	130	90	1.0	.025	125	5.0	125	150	200	200	200		S1		
475	HD6765	130	90	1.0	.25	125	30	125	150	200	100	200		S1Δ		A21
476	HD6766	130	90	1.0	.025	125	5.0	125	150	200	200	200		S1Δ		A21
477	1N484	130†	100	1.1	.25	125	30	125	150	250	100	200A		S1		DO7
478	1N484A	130†	100	1.0	.025	125	15	125	150	250	200	200A		S1		DO7
479	1N484B	130†	100	1.0	.025	125	5.0	125	150	250	200	200A		S1		DO7
479a∅	1N484C	130	100	1.0	.005	125								S1		
480	CD1113	130	250	1.0	.005	130	5.0	130	150	200	200	200		S1		
480a	FD359	130	250	1.0	.005	130	5.0	130	150	250	250	175		S1#		A22
481	1N1630	132∇	1.5	4.0	.27	104	33.8	104	100J		3.8	25A		Se∇		
482	1N1638	132∇	5.0	4.0	108	104	135	104	100J		13	25A		Se∇		
482a	4GH	132∇			.27	104					3.8	100C		SeΔ		
482b	4XH	132∇			.110	104					13	100C		SeΔ		
482c#	G43	135Δ	20	1.0	10	10	75	75	25		40			Ge		
482d	1N62	140†	5.0	1.0	700	100								Ge		
483	1N433	145	3.0	1.0	.01	10	.40	10	100	150	40	150		S1∅		
484	1N433A	145	10	1.0	.01	10	.40	10	100	150	50	150		S1∅		
485	1N433B	145	50	1.0	.01	10	.40	10	100	150	60	150		S1∅		
486	1N216	150	.70	1.0	5.0	150	100	150	100A	150	9.5	150A		S1*		C1
486a	1N394	150	.70	1.0	5.0	150	100	150	100A	150	9.5	150A		S1		
486b#	14P2	150	1.0	1.0	.50	150	100	150	150			150		S1		
486c	ED1825	150	2.0	1.0	250	100								Ge		
487#	G2,5/15	150*	2.5	1.0	300	100	800	150	25		30	70		Ge		
488	1N464	150*	3.0	1.0	.50	125	30	125	150	200	40	200		S1Δ		A21
488a#	CG60H	150	3.0	1.0	100	100					30	100J		Ge∇		A38
488b	ED2841	150	3.0	1.0	.50	125	30	125	150					S1		
489	HB5	150	3.0	4.0	.40	82				150		100A		S1*		C1
489a	HD6009	150†	3.0	1.0	.50	125	30	125	150					S1		A21
490	1N47	150	4.0	1.0	500	100					30			Ge		A23a
491	1N55A	150	4.0	1.0	500	150					50	90		Ge∇		DO7
492	1N55	150*	5.0	1.0	800	150				130		90A		Ge∅		DO7
493	1N55B	150§	5.0	1.0	500	150					30	90		Ge		DO7
493a	1N622	150	6.5	4.0	.20	150	30	150	100					S1		
494	1N458	150*	7.0	1.0	.025	125	5.0	125	150	200	55	200	M	S1Δ		A21
494a	1N458M	150*	7.0	1.0	.025	125	5.0	125	150	200	55	200		S1Δ		A2
495	622C	150†	7.0	1.0	.20	150	20	150	100	40	25	100A		S1		C3
495a	ED2839	150	7.0	1.0	.025	125	5.0	125	150					S1		
495b	HD6007	150†	7.0	1.0	.025	125	5.0	125	150					S1		A21
495c∅	HD4420	150†	10	1.0			50	125	100					S1		
495d#	OS35	150Δ	10	.10	150									S1		
495e#	S35	150	10	1.0	.10	150				300		150J		S1*		
495f#	16P1	150	20	1.0	150	150						70A		Ge		
495g#	OA202	150	30	.90	.10	150	5.0	150	100		30	125A		S1		A3
496	1N451	150*	50	1.0	150	150					60	75		Ge		
497	1N635	150*	50	1.0	175	150					150	75		Ge		
498	DR315	150*	50	1.0	50	100				80				Ge∅		
498a∅#	HS1007	150	50	1.0	.05	150	5.0	150	100	200	90	200		S1*		
498b∅#	HS1008	150	50	1.0	.10	150				200	90	200		S1*		
498c∅#	HS1009	150	50	1.0	.20	150				200	90	200		S1*		
499	DR310	150*	100	1.0	50	100				80	80			Ge∅		
500	DR311	150*	100	1.0	100	100				80				Ge∅		
500a	ED2803	150	100	1.0	.025	125	5.0	125	150					S1		
500b	FD320	150	100	1.0	.10	150				250	100	175		S1#		A22
500c∅	FD382	150†	100	1.0	.001	125	2.0	125	150					S1#		A22
500d	HD6134	150	100	1.0	.025	125	5.0	125	150					S1		A21
500e∅#	HS1001	150	100	1.0	.05	150	5.0	150	100	200	100	200		S1*		
500f∅#	HS1002	150	100	1.0	.10	150				200	100	200		S1*		
500g∅#	HS1003	150	100	1.0	.20	150				200	100	200		S1*		
500h∅	MC458A	150	100	1.0	.025	125	5.0	125	150	300	200	300S	T	S1Δ		A2a

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)										
500j	MC484A	150	100	1.0	.025	125	15	125	150	300	200	300S	T	S1Δ		A2
500k	RD1358	150	100	1.0	.005	125	5.0	125	150		200			S1		
500m*	SD015	150	100	1.0			100	150	100		250			S1		
501	DR669	150*	200	1.0	.025	125	5.0	125	150		200			S1		
501a*#	MS3H	150	200	1.0	1.0	150	100	150	150J	220	250	150J		S1		A38a
501b	WD007	150	200	1.0	.025	125	30	125	150	400	200	150		S1		
501c	WD008	150	200	1.0	.025	125	15	125	150	400	200	150		S1		
501d	WD009	150	200	1.0	.025	125	5.0	125	150	400	200	150		S1		
502	DR272	150*	400	1.0	20	100				80	100			Ge		
502a*	SD415	150	500	1.5			500	150	150		400			S1		
502b	SM15A	150	500	1.5	1.0	150					500	150		S1		DO2
503	1N1631	165	1.5	5.0	27	130	33.8	130	100J		3.8	25A		Se		
504	1N1639	165	5.0	5.0	108	130	135	130	100J		13	25A		Se		
504a	5GH	165			27	130					3.8	100C		SeΔ		
504b	5XH	165			110	130					13	100C		SeΔ		
504c#	1NA3	170	3.0	1.0	500	150						70A		Ge		
504d	PD134	170	10	1.0	1.0	120	40	120	100	250	30	150		S1		A2
505	1N352	170	20	1.0	.05	150	10	150	125		15			S1		C1b
505a	FD324	175	1.0	1.0	.50	175	30	175	150	250	1.0	175		S1#		A22
505b	FD328	175	3.0	1.0	.025	175	5.0	175	150	250	3.0	175		S1#		A22
505c	PD130	175	3.0	1.0	.025	175	5.0	175	150	250	20	150		S1		A2
505d#	1S71	175Δ	8.0	1.0	3.0	150					60	150		S1*		
506	1N459A	175*	100	1.0	.025	175	5.0	175	150A	500	200	200		S1		A46
507	1N463A	175*	100	1.0	.50	175	30	175	150A	500	200	200		S1		A46
507a	CD1143	175	100	1.0	.001	175	2.0	175	150	200	150	200		S1		
507b	FD314	175	100	1.0	.005	175	5.0	175	150	250	100	175		S1#		A22
507c	FD318	175	100	1.0	.025	175	5.0	175	150	250	100	175		S1#		A22
507f	Q56	175	100	1.0	.10	175	15	175	125		75	150		S1	QUAD	
507g	Q57	175	100	1.0	.10	175	15	175	125		75	150		S1	QUAD	
507h	ED2816	175	140	1.0	.10	150				200	100	200		S1		
508	HD6751	175	140	1.0	.10	150				200	100	200		S1Δ		A21
508a	CD1149	175	200	1.0	.005	175	5.0	125	150	200	175	200		S1		A23
508b	FD347	175	200	1.0	.25	175	30	175	150	250	200	175		S1#		A22
508c	FD348	175	200	1.0	.025	175	15	175	150	250	200	175		S1#		A22
508d	FD349	175	200	1.0	.025	175	5.0	175	150	250	200	175		S1#		A22
509	PS621	175*	200	1.0	.25	175	30	175	150A	500	200	200		S1		
510	PS622	175*	200	1.0	.025	175	15	175	150A	500	200	200		S1		
511	PS623	175*	200	1.0	.025	175	5.0	175	150A	500	200	200		S1		
512	1N434	180	2.0	1.0	.01	10	.40	10	100	150	35	150		S1		A23a
513	1N217	180	6.5	4.0	5.0	180	100	180	100A	150	9.0	150A		S1*		C1
514	1N434A	180	7.0	1.0	.01	10	.40	10	100	150	45	150		S1		
514a	FD336	180	10	.70	.025	180	15	180	150	250	10	175		S1#		A22
514b	FD337	180	10	.70	.025	180	5.0	180	150	250	10	175		S1#		A22
515	STC107	180Δ	10	.72	.025	180	15	180	150		200			S1		A21
516	STC108	180Δ	10	.72	.025	180	5.0	180	150		200			S1		A21
517	1N434B	180	20	1.0	.01	10	.40	10	100	150	60	150		S1		
518	1N485	180†	100	1.1	.25	175	30	175	150	250	100	200A		S1		DO7
519	1N485A	180†	100	1.0	.025	175	15	175	150	250	200	200A		S1		DO7
520	1N485B	180†	100	1.0	.025	175	5.0	175	150	250	200	200A	N	S1		DO7
520a	1N485C	180	100	1.0	.005	175								S1		
520b#	SX13	180	100	1.5	.50	180	5.0	180	100		100	150J	T	S1*		DO7
521#	SX643	180	100	1.5			5.0	180	100		270	150		S1*		C6
521a	ED2825	180	125	1.0	.25	175	30	175	150	200	100	200		S1		
521b	ED2826	180	125	1.0	.025	175	5.0	175	150	200	200	200		S1		
522	HD6767	180	125	1.0	.25	175	30	175	150	200	100	200		S1Δ		A21
523	HD6768	180	125	1.0	.025	175	5.0	175	150	200	200	200		S1Δ		A21
524	CD1114	180	250	1.0	.005	180	5.0	180	150	200	200	200		S1		
524a	FD360	180	250	1.0	.005	180	5.0	180	150	250	250	175		S1#		A22
525	DR304	190*	200	1.0	500	150				80	100			Ge		
526	1N1632	198	1.5	6.0	27	156	33.8	156	100J		3.8	25A		Se		
526a	6GH	198			27	156					3.8	100C		SeΔ		
526b	6XH	198			110	156					13	100C		SeΔ		
527	1N463	200*	1.0	1.0	.50	175	300	175	150	200	30	200		S1Δ		A21

SEE FOLD-OUT BACK COVER  
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# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION				
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE
			I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)	I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)											
527a#	13P2	200	1.0	1.0	.50	200	100	200	150			150		S1			
527b	ED2836	200	1.0	1.0	.50	175	30	175	150					S1			
527c	HD6003	200†	1.0	1.0	.50	175	30	175	150					S1			A21
528#	G1,5/20	200Δ	1.5	1.0	200	100	800	200	25			30	70	Ge			
529	1N39	200Δ	3.0	1.0	100	100	600	200	25			50	90	Ge			
530	1N459	200*	3.0	1.0	.025	175	5.0	175	150	200	40	200	M	S1Δ			A21
530a	1N459M	200*	3.0	1.0	.025	175	5.0	175	150	200	40	200		S1Δ			A2
530b	ED2840	200	3.0	1.0	.025	175	5.0	175	150					S1			
530c	HD6008	200†	3.0	1.0	.025	175	5.0	175	150					S1			A21
531	1N39B	200	4.0	1.0	100	100	600	200	25			50	90	Ge	∇		DO7
532	1N39A	200*	5.0	1.0	65	100	325	100	25	200	50	75		Ge			DO7
532a#	1S81	200Δ	8.0	1.0	3.0	200								S1			
532b	1N902	200	10	1.0	1.0	100	15	100	100	250		150		S1Δ			A2
532c#	12P2	200	10	1.0	.50	200	100	200	150			150		S1			
532d	PD108	200	10	1.0	5.0	100	25	10	100	250		150		S1Δ			A2
532e	UCI327	200	10	1.0	65	200				100	30	150		S1*			
532f∅	1N932	200*	20	1.0	100	250					250			S1			DO7
532g*#	1S84	200	100	1.0	2.0	200	20	200	100		100	125		S1Δ			
532h	ED2804	200	100	1.0	.025	175	5.0	175	150					S1			
532j	FD321	200	100	1.0	.10	200				250	100	175		S1#			A22
532k∅	FD383	200†	100	1.0	.001	175	2.0	175	150					S1#			A22
532m	HD6135	200	100	1.0	.025	175	5.0	175	150					S1			A21
532n∅	MC459A	200	100	1.0	.025	175	5.0	175	150	300	200	300S	T	S1Δ			A2a
532p∅	MC485A	200	100	1.0	.025	175	15	175	150	300	200	300S	T	S1Δ			A2a
532q	RD1359	200	100	1.0	.005	175	5.0	175	150		200			S1			
532r*	SD020	200	100	1.0			100	200	100		250			S1			
532s#	SD104	200	100	1.0	.50	200	50	200	100		100	150A		S1*			A23
532t	TMD45	200	100	1.0	.25	200	30	200	100	100	75	150A		S1Δ			
532u#	ZS21	200	100	1.5	.50	200	5.0	200	100	150	100	150A		S1*			C1a
532v	Q58	200	150	1.0	1.5	200	200	200	125		150	150		S1	QUAD		
533	DR670	200*	200	1.0	.025	175	5.0	175	150		200			S1			
533a*#	MS4H	200	200	1.0	1.0	200	100	200	150J	220	250	150J		S1			A38a
533b∅	WD010	200	200	1.0	.25	175	30	175	150	400	200	150		S1			
533c∅	WD011	200	200	1.0	.025	175	15	175	150	400	200	150		S1			
533d∅	WD012	200	200	1.0	.025	175	5.0	175	150	400	200	150		S1			
534#	ZS52	200	200	1.1	.50	200	5.0	200	100	300	200	150A		S1*			C1a
534b#	1S220	200	400	1.0	.10	200					100	125A	T	S1Δ			
534c#	20AS	200	500	1.2			50	200	50A					S1			
534d	SD420	200	500	1.5			500	200	150		400			S1			
534e	SM20A	200	500	1.5	1.0	200					500	150		S1			DO2
535#	ZS32A	200	500	1.1	.20	200	15	200	100	650	500	160A		S1Δ			A44
536#	ZS32B	200	500	1.1	5.0	200	50	200	100	650	500	160A		S1Δ			A44
537	624C	220†	3.0	1.0	.20	220	20	220	100	40	20	100A		S1			C3
538	1N218	220	6.0	4.0	5.0	220	100	220	100A	150	8.0	150A		S1*			C1
539	1N302	225	1.0	1.0	.01	10	.50	10	100	150	30	150		S1∅			A23a
540	1N302A	225	5.0	1.0	.01	10	.50	10	100	150	40	150		S1∅			
541	1N302B	225	20	1.0	.01	10	.50	10	100	150	55	150		S1∅			
542	1N353	225	20	1.0	.10	200	20	200	125		15			S1			C1b
543	1N486	225†	100	1.1	.25	225	50	225	150	250	100	200A		S1			DO7
544	1N486A	225†	100	1.0	.05	225	25	225	150	250	200	200A		S1			DO7
545	1N486B	225†	100	1.0	.05	225	10	225	150	250	200	200A	N	S1			DO7
545a	FD319	225	100	1.0	.05	225	25	225	150	250	100	175		S1#			A22
545e	ED2827	225	160	1.0	.25	225	50	225	150	200	100	200		S1			
545f	ED2828	225	160	1.0	.05	225	25	225	150	200	200	200		S1			
546	HD6769	225	160	1.0	.25	225	50	225	150	200	100	200		S1Δ			A21
547	HD6771	225	160	1.0	.05	225	25	225	150	200	200	200		S1Δ			A21
547a	ED2817	225	175	1.0	.10	150				200	100	200		S1			
548	HD6752	225	175	1.0	.10	150				200	100	200		S1Δ			A21
548a	FD350	225	200	1.0	.25	225	50	225	150	250	200	175		S1#			A22
548b	FD351	225	200	1.0	.05	225	25	225	150	250	200	175		S1#			A22
548c	FD352	225	200	1.0	.05	225	10	225	150	250	200	175		S1#			A22
549	PS627	225Δ	200	1.0	.25	225	50	225	150A	500	200	200		S1			
550	PS628	225Δ	200	1.0	.05	225	25	225	150A	500	200	200		S1			

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# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION					
			I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)	@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)												
551	PS629	225Δ	200	1.0	.05	225	10	225	150A	500	200	200		S1				
552	CD1115	225	250	1.0	.005	225	5.0	225	150	200	200	200		S1				
552a	FD361	225	250	1.0	.005	225	5.0	225	150	250	250	175		S1#			A22	
553	1N645	225†	400	1.0	.20	225	15	225	100	600	400	150A	F	S1Δ			A1	
553a	1N645A	225	400	1.0	.20	225	15	225	100	600	400	150A		S1			A1	
553b∅	1N645B	225	400	1.0	.005	60	.025	225	25	600	400			S1				
553c	MP225	225	400	1.0	.05	225	75	225	200					S1				
554	1N1633	231∇	1.5	7.0	.27	182	33.8	182	100J		3.8	25A		Se∇				
554a	7GH	231∇			.27	182					3.8	100C		SeΔ				
554b	7XH	231∇			.110	182					13	100C		SeΔ				
554c	1N101	250†	10	1.0	.10	40								Ge				
554d∅	PD135	250	10	1.0	1.0	240	40	240	100	250	30	150		S1			A2	
556	DR699	250*	50	1.0	1.0	200				150	100			S1				
557	DR826	250*	100	1.5			150	180	100					S1				
557a	ED2815	250	100	1.0	.05	225	25	225	150					S1				
557b	HD6136	250	100	1.0	.05	225	25	225	150					S1			A21	
557c∅	MC486A	250	100	1.0	.050	225	25	225	150	300	200	300S	T	S1Δ			A2a	
557d*	SD025	250	100	1.0			100	250	100		250			S1				
557e	CD1151	250	200	1.0	.005	250	5.0	250	150	200	175	200		S1			A23	
558	DR671	250*	200	1.0	.05	225	25	225	150		200			S1				
558a∅	WD013	250	200	1.0	.25	225	50	225	150	400	200	150		S1				
558b∅	WD014	250	200	1.0	.025	225	25	225	150	400	200	150		S1				
558c∅	WD015	250	200	1.0	.025	225	10	225	150	400	200	150		S1				
558d*	SD425	250	500	1.5			500	250	150		400			S1				
558e	SM25A	250	500	1.5	1.0	250					500	150		S1			DO2	
559	1N59	260Δ	3.0	1.0	.800	250					50	90		Ge				
560	1N1634	264∇	1.5	8.0	.27	208	33.8	208	100J		3.8	25A		Se∇				
560a	8GH	264∇			.27	208					3.8	100C		SeΔ				
560b	8XH	264∇			.110	208					13	100C		SeΔ				
561	HB6	270	1.5	4.0	.75	150				150		100A		S1*			C1	
562	1N219	270	3.0	4.0	5.0	270	100	270	100A	150	7.5	150A		S1*			C1	
562a	1N566	275†	20	1.0	.200	200								Ge				
562b	ED2818	275	200	1.0	.10	150				200	100	200		S1				
563	HD6753	275	200	1.0	.10	150				200	100	200		S1Δ			A21	
564	CK863	300	1.0	1.0	.01	10	.60	10	100	150	20	150		S1∅				
565	CK863A	300	3.0	1.0	.01	10	.60	10	100	150	30	150		S1∅				
565a∅	PD110	300	5.0	1.0	1.0	300				250	20	150		S1			A2	
566	CK863B	300	20	1.0	.01	10	.60	10	100	150	50	150		S1∅				
567	1N487	300†	100	1.1	.25	300	50	300	150	250	100	200A		S1			DO7	
568	1N487A	300†	100	1.0	.10	300	25	300	150	250	200	200A		S1			DO7	
568a∅	1N487B	300	100	1.0	.025	300	10	300	150					S1				
568b*	SD030	300	100	1.0			100	300	100		250			S1				
569#	SX644	300	100	1.5			15	300	100		200	125		S1*			C6	
570#	ZS22	300	100	1.5	.50	300	5.0	300	100	150	100	150A		S1*			C1a	
570a	Q59	300	150	1.0	1.5	300	200	300	125		150	150		S1	QUAD			
570b*#	MS5H	300	200	1.0	1.0	300	100	300	150J	220	250	150J		S1			A38a	
571	PS632	300Δ	200	1.0	.25	300	50	300	150A	500	200	200		S1				
572	PS633	300Δ	200	1.0	.10	300	25	300	150A	500	200	200		S1				
573#	ZS53	300	200	1.1	.50	300	5.0	300	100	300	200	150A		S1*			C1a	
573a	ED2829	300	210	1.0	.25	300	50	300	150	200	100	200		S1				
573b	ED2830	300	210	1.0	.10	300	25	300	150	200	200	200		S1				
574	HD6772	300	210	1.0	.25	300	50	300	150	200	100	200		S1Δ			A21	
575	HD6773	300	210	1.0	.10	300	25	300	150	200	200	200		S1Δ			A21	
576	CD1116	300	250	1.0	.005	300	5.0	300	150	200	200	200		S1				
577	1N646	300†	400	1.0	.20	300	15	300	100	600	400	150A	F	S1Δ			A1	
577a#	1S230	300	400	1.0	.10	300					100	125A	T	S1Δ				
577b	MP300	300	400	1.0	.05	300	75	300	200					S1				
577c*	SD430	300	500	1.5			500	300	150		400			S1				
577d	SM30A	300	500	1.5	1.0	300					500	150		S1			DO2	
577e#	ZS33A	300	500	1.1	.20	300	15	300	100	650	500	160A		S1Δ			A44	
577f#	ZS33B	300	500	1.1	5.0	300	50	300	100	650	500	160A		S1Δ			A44	
577g#	OS36	320Δ	10	10	.320									S1				
577h#	S36	320	10	1.0	.10	320				300		150J		S1*				

# 1. DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					ABSOLUTE MAX. RATINGS @ 25°C			DESCRIPTION			
					@ 25°C		I <sub>b</sub> (μa)	@ E <sub>b</sub> (volts)	@ T (°C)	DISS. (mw)	Avg. Rect. Fwd. Current (ma)	Max. TEMP. (°C)	STATUS	MAT.	USE	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)										
578	1N354	325	20	1.0	.10	300	20	300	125		15			S1		C1b
578a	ED2819	325	240	1.0	.10	150				200	100	200		S1		
579	HD6754	325	240	1.0	.10	150				200	100	200		S1Δ		A21
580	1N220	330	2.2	4.0	5.0	330	100	330	100A	150	7.0	150A		S1*		C1
580a∅	MC487A	330	100	1.0	.100	300	25	300	150	300	200	300S	T	S1Δ		A2a
581	DR698	350*	50	1.0	1.0	300				150	100			S1		
582	DR695	350*	100	1.0			50	300	100	150	100			S1		
582a*	SD035	350	100	1.0			100	350	100		250			S1		
582b*	SD435	350	500	1.5			500	350	150		400			S1		
582c	SM35A	350	500	1.5	1.0	350					500	150		S1		DO2
582d	1N83	375†	5.0	1.0	30	60								Ge		
582e	ED2820	375	275	1.0	.10	150				200	100	200		S1		
583	HD6755	375	275	1.0	.10	150				200	100	200		S1Δ		A21
584	PRS1	380	30		Dual diode equivalent to 6H6									Se		
585	1N488	380†	100	1.1	.25	380	50	380	150	250	100	200A		S1		DO7
586	1N488A	380†	100	1.0	.10	380	25	380	150	250	200	200A		S1		DO7
587	PS636	380Δ	200	1.0	.25	380	50	380	150A	500	200	200		S1		
588	PS637	380Δ	200	1.0	.10	380	25	380	150A	500	200	200		S1		
588a	ED2831	380	265	1.0	.25	380	50	380	150	200	100	200		S1		
588b	ED2832	380	265	1.0	.10	380	25	380	150	200	200	200		S1		
589	HD6774	380	265	1.0	.25	380	50	380	150	200	100	200		S1Δ		A21
590	HD6775	380	265	1.0	.10	380	25	380	150	200	200	200		S1Δ		A21
591	1N221	390	2.0	4.0	5.0	390	100	390	100A	150	6.0	150A		S1*		C1
591b∅	PDI11	400	5.0	1.0	1.0	400				250	20	150		S1		A2
591c*	SD040	400	100	1.0			100	400	100		250			S1		
592#	SX645	400	100	1.5			15	400	100		200	125		S1*		C6
593#	ZS24	400	100	1.5	.50	400	5.0	400	100	150	100	150A		S1*		C1a
593a	Q60	400	150	1.0	1.5	400	200	400	125		150	150		S1	QUAD	
593b	2E4	400†	200	1.3			500		100		500	125A		S1		A35a
594	1N647	400†	400	1.0	.20	400	20	400	100	600	400	150A	F	S1Δ		A1
594a∅#	1S240	400	400	1.0	.10	400					100	150J	T	S1Δ		
594b	MP400	400	400	1.0	.05	400	75	400	200					S1		
594c	5E4	400†	500	1.3			500		100		750	125A		S1		A35a
594d#	40AS	400	500	1.2			50	400	50A					S1		
594e*	SD440	400	500	1.5			500	400	150		400			S1		
594f	SM40A	400	500	1.5	1.0	400					500	150		S1		DO2
594g#	ZS34A	400	500	1.1	.20	400	20	400	100	650	500	160A		S1Δ		A44
594h#	ZS34B	400	500	1.1	5.0	400	50	400	100	650	500	160A		S1Δ		A44
594j∅	MC488A	420	100	1.0	.100	380	25	380	150	300	200	300S	T	S1Δ		A2a
595	1N222	470	1.5	4.0	5.0	470	100	470	100A	150	5.5	150A		S1*		C1
595b∅	PD112	500	5.0	1.0	1.0	500				250	20	150		S1		A2
596#	ZS25	500	100	1.5	.50	500	5.0	500	100	150	100	150A		S1		
597	1N648	500†	400	1.0	.20	500	20	500	100	600	400	150A	F	S1		A1
597a	MP500	500	400	1.0	.05	500	75	500	200					S1		
597c	5E5	500	500	1.3			500		100		750	125A		S1		A35a
597d∅	PD113	575	5.0	1.0	1.0	575				250	20	150		S1		A2
597e	Q61	600	150	1.0	2.5	600	200	600	125		150	150		S1	QUAD	
598	1N649	600†	400	1.0	.20	600	25	600	100	600	400	150A	F	S1Δ		A1
599	MP600	600	400	1.0	.05	600	75	600	200					S1		
600	5E6	600	500	1.3			500		100		750	125A		S1		A35a
600a#	60AS	600	500	1.2			50	600	50A					S1		
600b∅	PD114	650	5.0	1.0	1.0	650				250	20	150		S1		A2
600c∅	PD115	750	5.0	1.0	1.0	750				250	20	150		S1		A2
600d#	80AS	800	500	1.2			50	800	50A					S1		
600e#	12G4	1200	400	1.5	20	1200								S1		

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
601#	SD5	5.0	.075	25			150	.0001	5.0	25A		S1		
602Ø	BA103	6.0	.10	25A	1.0		150	.001	6.0	25A		S1		
603#	SD7	7.0	.065	25			150	.0001	7.0	25A		S1		
604Ø	1R10	10	1.0	25	1.0		200A	.02	10	25		S1		A9
604aØ	3R10	10	1.0	25	1.3		200A	.25	10	25		S1		A9
604bØ	ECR10-1	10	1.0	25	1.3	140	200A	.25	10	25		S1		A10
604cØ	EER10-1	10	1.0	25	1.0		200A	.02	10	25		S1		A10
604dØ	2R10	10	3.0	25	1.0		200A	.02	10	25		S1		S36
605Ø	4R10	10	3.0	25	1.3		200A	.25	10	25		S1		S36
605aØ	10CR10	10	10	25	1.0	100	200A	10	10	25		S1		C8a
605bØ	10ER10	10	10	25	1.0	100	200A	1.0	10	25		S1		C8a
605cØ	20CR10	10	20	25	1.0	140	200A	10	10	25		S1		C8a
605dØ	20ER10	10	20	25	1.0	140	200A	1.0	10	25		S1		C8a
606	TA1060	15†	.05	400	1.0		400A	1.0Ø	400		D	GaAs		A40
606a#	SD15	15	.055	25			150	.0001	15	25A		S1		
607Ø	EER15-2	15	.50	25	1.0		200A	.01	15	25		S1		A11
607aØ	S43	15	.50	25		15	25	.01	15	25		S1		A54
607bØ	SER15	15	.50	25	1.0		200A	.01	15	25		S1		P5
607cØ	1R15	15	1.0	25	1.0		200A	.02	15	25		S1		A9
608Ø	3R15	15	1.0	25	1.3		200A	.25	15	25		S1		A9
608aØ	ECR15-1	15	1.0	25	1.3	140	200A	.25	15	25		S1		A10
608bØ	EER15-1	15	1.0	25	1.0		200A	.02	15	25		S1		A10
609Ø	HCV	15	1.1	25	1.2		150A	.20	15	100		S1		
609aØ	2R15	15	3.0	25	1.0		200A	.02	15	25		S1		S36
609bØ	4R15	15	3.0	25	1.3		200A	.25	15	25		S1		S36
610Ø	10CR15	15	10	25	1.0	100	200A	10	15	25		S1		C8a
610aØ	10ER15	15	10	25	1.0	100	200A	1.0	15	25		S1		C8a
610bØ	20CR15	15	20	25	1.0	140	200A	10	15	25		S1		C8a
610cØ	20ER15	15	20	25	1.0	140	200A	1.0	15	25		S1		C8a
611	2XD	20Ø	.0125	100	2.0	.50	100	.11	26	100		SeΔ	3	
611aØ	S241	20	.10	25			25		20	25		S1		A55
612	X1RC2	20	1.0	30	1.25Ø	15	125S	3.0	20	30		S1	1	
613	X10RC2	20†	10	30	1.25	125	100A	45	20	30		S1	1	S18a
614	X16RC2	20	16	30	.90Ø	125	105	6.5Ø		30A		S1	1	S18a
614a#	G1C50	20Ø	42Ø	25A	.27Ø		70	20Ø	20Ø	25		Ge*	ØΔ#	F18
614b#	24RIA	20†	75	35								S1		
614cØ	S79	25	.35	25		15	25	.05	25	25		S1		A54
614dØ	1R25	25	1.0	25	1.0		200A	.01	25	25		S1		A9
614eØ	3R25	25	1.0	25	1.3		200A	.25	25	25		S1		A9
614fØ	ECR25-1	25	1.0	25	1.3	140	200A	.25	25	25		S1		A10
614gØ	EER25-1	25	1.0	25	1.0		200A	.01	25	25		S1		A10
614h	S72	25	1.0	80	1.1	15	150	.60	25	25		S1		
614jØ	TCR251	25†	1.0	80		15	150A	.10	25	125		S1	1	TO5
614kØ	ZJ203U	25†	1.0	82C			125A					S1	1	
614mØ	2N1929	25†	1.1	25C			125A					S1	1	
614nØ	S32	25	2.0	25		20	25	2.0	25	25		S1		S11
614pØ	2R25	25	3.0	25	1.0		200A	.01	25	25		S1		S36
614qØ	4R25	25	3.0	25	1.3		200A	.25	25	25		S1		S36
615Ø#	CR4.021A	25	4.0	25A		42.5	100J					S1	1	S32
615a	C10U	25	4.7	60B			150A					S1	1	S17
615b	C11U	25	4.7	60B			125A					S1	1	S17
615c	C40U	25	5.0	25			125J					S1	1	S18
615d#	CR5.021A	25	5.0	25A	42.5		120J					S1	1	S32
615eØ	2N1770	25†	6.0	70B			125A					S1	1	
615fØ	2N1770A	25†	7.0	115B			150A					S1	1	
615gØ#	CR8.021A	25	8.0	25A		85	100J					S1	1	S32
615hØ	10CR25	25	10	25	1.0	100	200A	10	25	25		S1		C8a
615jØ	10ER25	25	10	25	1.0	100	200A	1.0	25	25		S1		C8a
616	C36U	25†	10	55B	1.25	125	100A	22.5Ø				S1	1	S18
616a#	CR10.021A	25	10	25A		85	120J					S1	1	S32
616b	NCR025D	25	10	25				10	25	100		S1	1	S18
616cØ#	SCR51	25	10	25	1.25	120	100					S1	1	S40
616d*#	SCR961	25	10	25	1.25	120	100	22.5	25			S1	1	C5

SEE FOLD-OUT BACK COVER

for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION						
			Max. D. C. Output Current (amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.			
616e <del>Ø</del> #	THP800	25	10	25			125A										
617 <del>Ø</del>	2N681	25†	16	80B	.86	150	125A	6.5 <del>Ø</del>	25	125J	N	S1	1		S18		
617a <del>Ø</del>	2N1842	25	16	25B			100A					S1	1		S18		
617b	NCR025E	25	16	25				10	25	125			1		S18		
617c <del>Ø</del>	20CR25	25	20	25	1.0	140	200A	10	25	25		S1			C8a		
617d <del>Ø</del>	20ER25	25	20	25	1.0	140	200A	1.0	25	25		S1			C8a		
617e	C60U	25	50	87B			150A					S1	1				
617f <del>Ø</del>	C50U	25†	70	65B	.80	1000	125A	6.5 <del>Ø</del>	25	125J		S1	1		S17a		
617g <del>Ø</del>	2N1909	25†	110	59B	.80	1000	125A	6.5 <del>Ø</del>	25	125J		S1	1				
617h <del>Ø</del>	C55U	25†	110	59B	.80	1000	125A	6.5 <del>Ø</del>	25	125J		S1	1				
618#	SD30	30	.045	25			150	.0001	30	25A		S1					
618a <del>Ø</del>	SW30	30	.03	75	1.5		85A	.05	30	85		S1	1		TO18		
618b <del>Ø</del>	S34	30	.05	25		15	25	1.0	30	25		S1			A54		
618c	TA1061	30	.05	400	1.0		400A	1.0 <del>Ø</del>		400	D	GaAs			A40		
618d <del>Ø</del>	TSW31A	30	.10	25	2.0		125A	.05	30	125		S1	1		TO18		
618e <del>Ø</del>	SW10	30	.15	25	2.0		125A					S1	1		TO5		
618f <del>Ø</del>	SW11	30	.15	25	2.0		125A					S1	1		TO18		
618g <del>Ø</del>	TSW31S	30†	.20	75	1.2	1.0	150A	.02	30	125		S1	1		TO18		
618h	S73	30	.40	80	1.2	15	150	.10	25	25		S1					
618j <del>Ø</del>	EER30-2	30	.50	25	1.0		200A	.01	30	25		S1			A11		
618k <del>Ø</del>	SER30	30	.50	25	1.0		200A	.01	30	25		S1			P5		
619	3A30S	30	.75Δ	100C			150A	.01	30	25		S1	1				
620	S21	30	.75	80	1.2	15	150	.01	30	25		S1Δ					
620a <del>Ø</del>	2N1881	30	1.0	100C								S1	1		TO9		
620b	3B30S	30†	1.0	100				.01	30	25		S1	1				
620c	X1RC3	30	1.0	30	1.25 <del>Ø</del>	15	125S	3.0	30	30		S1	1				
620d <del>Ø</del>	HC30	30	1.1	25	1.2		150A	.20	30	100		S1					
620e	B208	30	5.0	85				5.0	30	25		Ge					
621	NA0305	30	5.0	150	1.25			5.0	30	150		S1			S21c		
621a	NA603	30	6.0	150	1.1	30	150	5.0	30	150		S1			S4c		
621b	B205	30	10	25	.70		85	30	15	25		Ge					
622	NA0310	30	10	150	1.25			5.0	30	150		S1			S21c		
622a	X10RC3	30†	10	30	1.25	125	100A	40	30	30		S1	1		S18a		
622b	NA1203	30	12 <del>Ø</del>	150C	1.1		200A	5.0	30	150C		S1			S4c		
622c	X16RC3	30	16	30	.90 <del>Ø</del>	125	105	6.5 <del>Ø</del>		30A		S1	1		S18a		
623	NA0320	30	20	150	1.25			5.0	30	150		S1			S21c		
624	TR30	30†	20	100C	2.0		175A	10 <del>Ø</del>		100C		S1					
624a	19PA1	33	.01	55	2.0		90	.075	20	25		Se					
624b	25PA1	33	.02	55	2.0		90	.175	20	25		Se					
624c	2XC	33 <del>Ø</del>	.025	100	2.0	.50	100	.11	26	100		SeΔ	4				
624d	4XB	33 <del>Ø</del>	.025	100	4.0	.50	100	.11	52	100		SeΔ	4				
624e	28PA1	33	.03	55	2.0		90	.225	20	25		Se					
624f	44PA1	33	.06	55	2.0		90	.550	20	25		Se					
624g <del>Ø</del>	S47	35	.90	25		15	25	1.0	35	25		S1			A54		
625	CDE2176	35 <del>Ø</del>	1.0	150	1.1	18	150	.30	50	150	T	S1*					
626	CDE2348	35 <del>Ø</del>	1.0	150	1.1	18	150	.30	50	150	T	S1*					
627	CDE1581	35 <del>Ø</del>	3.0	150	1.5	60	150	.50	50	150	T	S1*					
628	CDE2184	35 <del>Ø</del>	3.0	150	1.5	60	150	5.0	50	150	T	S1*					
628a	CDE5091A	35 <del>Ø</del>	3.0	150	1.0	18	150	5.0	50	150	T	S1*					
628b	CDE1341	35 <del>Ø</del>	6.0	150	1.25	60	150	5.0	50	150	T	S1*					
628c	CDE2194	35 <del>Ø</del>	6.0	150	1.25	60	150	5.0	50	150	T	S1*					
628d	CDE5051A	35	6.0	150	1.2	50	150	5.0	50	150	T	S1*					
628e	CDE210A	35 <del>Ø</del>	10	150	1.5	250	150	5.0	50	150	T	S1*					
628f	CDE248	35 <del>Ø</del>	10	150	1.5	250	150	5.0	50	150	T	S1*					
628h	CDE1199	35 <del>Ø</del>	12	150	1.25	120	150	5.0	50	150	T	S1*					
628i	CDE2204	35 <del>Ø</del>	12	150	1.25	120	150	5.0	50	150	T	S1*					
628j*	1N1191A	35 <del>Ø</del>	22	150	1.2		150B	5.0	50	175C		S1			D05		
628k*	1N1183A	35 <del>Ø</del>	40	150	1.1		150B	5.0	50	175C		S1			D05		
629#	Ge100B	35 <del>Ø</del>	100 <del>Ø</del>	35A	.25 <del>Ø</del>	1500	65J	100*	70	65J	T	Ge	#				
629a	9A11P	35.5 <del>Ø</del>	5.0 <del>Ø</del>	150C	1.5 <del>Ø</del>	50	150C	1.0 <del>Ø</del>	35.5	150C	T	S1Δ	Δ#		Δ		
629b	7B11P	35.5 <del>Ø</del>	12 <del>Ø</del>	150C	1.5 <del>Ø</del>	120	150C	10 <del>Ø</del>	35.5	150C	T	S1Δ	Δ#		Δ		
629f	4XD	40 <del>Ø</del>	.0125	100	4.0	.50	100	.11	52	100		SeΔ	3				
629g <del>Ø</del>	1N482TH	40	.025	150		15	25	.03	40	150		S1			A54		

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			STATUS	DESCRIPTION		DWG. No.
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)		MAT.	USE	
629h	S14	40	.10	25		15	25	1.0	40	25		S1		A54
630#	OY5	40	.20Δ	45	.20	2.0	70J	.25	100	25A	T	GeΔ		A54
630a	S33	40	.20	25		15	25	1.5	40	25		S1		A54
630b	S78	40	1.5	25		20	25	.05	40	25		S1		S11
630c	VA713G	40†	13∅	35A	.50	140	55A	50	40	35		Ge	∅Δ†#	S37
630d	VA719G	40†	20∅	35A	.50	210	55A	50	40	35		Ge	∅Δ†#	S37
631#	G2C50	40∇	42∅	25A	.27∅		70	20∅	40∇	25		Ge*	∅Δ#	F18
632∅	S49	50	.03	25		15	25	1.5	50	25		S1		A54
633#	SD50	50	.04	25			150	.0001	50	25A		S1Δ		A54
639	1N879	50	.05	25	.60			.02	35	25		S1		
640	1N359	50	.10	100	2.0		200	.25∅		100		S1		DO2
640a	1N868	50	.10	25	.60			.02	35	25		S1		
640b	BA108	50	.10	25A	1.1		150	.001	50	25A		S1		
640c	S200	50	.10	25		15	25	.10	50	25		S1		A54
640d	TCS5	50†	.10	500	6.0		500	.50		500	T	S1C		
640e	1N359A	50	.15	100	.60			.07	50	150		S1		DO2
640f	1N857	50	.15	25	.60			.02	35	25		S1		A21
641	1N1701	50	.15∅	100A	.90Δ	8.0	175S	.40∅	50	100A		S1		A53
641a	AM405	50	.15	150	1.2		150	.30∅	50	150		S1		
641b	CER67A	50	.15	25	1.2		150A	.20	50	100		S1		
641c	CER670A	50	.15	25	1.2		150A	.05	50	100		S1		
642	1N1707	50	.175∅	150A	.85Δ	10	175S	.40∅	50	150A		S1		
643	1N846	50	.20	25	.60			.02	35	25		S1		A21
643a	1N2013	50	.20	150A	1.5		175A	.50∅		150		S1		
644	1N3072	50†	.20	150A	1.5		175A	.001	50	25		S1		
645a	AJ5	50†	.20∅	150A	1.0		175A	.002	50	25		S1		A19
646	AM3	50	.20	100C	1.25	8.0	100C	.30	50∅	100C		S1		
646a	CD1121	50	.20	25		2.5	200A	.10∅	35	100A		S1		
646b	MC005	50	.20	25	1.0	1.0	200J	.015	50	100A	T	S1Δ		A2a
647	NA3	50	.20	100	2.0			.30	50	100		S1		S4b
647a	PS2411	50	.20	25	2.0		150A	5.0	50	25		S1	4	C15
648	SC101	50	.20	150C			175A	.20	50	150C		S1Δ		A21c
649	TM3	50†	.20∅	100C	2.0		125A	.30∅		100C		S1		
650	1N316	50	.25	100	2.0		200	.30∅		100		S1		A53
650a	1N316A	50	.25	100	.60			.07	50	150		S1		DO2
650b	AM005	50	.25∅	25A		3.3	150A	.10∅	35	100A		S1*		
650c	AS1	50†	.25	150A	1.0		175A	.40		150		S1		A19
650d	CER67B	50	.25	25	1.2		150A	.20	50	100		S1		
650e	CER670B	50	.25	25	1.2		150A	.05	50	100		S1		
651	PS005	50∅	.25∅	25A		3.3	200A	.10∅	35∇	100A		S1		A46
652#	RS20AF	50	.25	100	1.3		2.0	100	.10∅	35∇	100A	S1		
652a	S22A	50	.25	25		15	25	.015	50	25		S1		A54
652b	S220	50	.25	150		15	25	.30	50	150		S1		A54
653	1N599	50	.30∅	100A	1.4Δ	10	170S	.025Δ	50	25A		S1		DO1
654	1N599A	50	.30∅	100A	1.4Δ	10	170S	.001Δ	50	25A		S1		DO1
654a#	10J2	50	.30	100A	.50		100	.30	50	100		S1		
655	PA305	50	.30	100	1.5	15	100	.50	50	100		S1		
656	1N323	50	.40	100	2.0		200	.30∅		100		S1		DO2
656a	1N323A	50	.40	100	.60			.12	50	150		S1		DO2
660	AM2	50	.40	100C	1.25	10	100C	.30	50∅	100C		S1		
661	AM5	50	.40	150C	1.25				50∅			S1		
662	NA2	50	.40	100	2.0			.30	50	100		S1		S4b
663	NA5	50	.40	100	2.0			.50	50	100		S1		S4b
664	PS405	50∅	.40∅	25A		3.3	200A	.50∅	35∇	150A		S1		A46
664a	S48	50	.40	25		15	25	1.0	50	25		S1		A54
665	TM2	50†	.40∅	100C	2.0		125A	.30∅		100C		S1		
666	TM5	50†	.40∅	150C	2.0		175A	.50∅		150		S1		
667	1N1028	50	.50	100	1.5		150	.20	50	25		S1		A53
668	1N1251	50	.50	25A	1.0		165A	.50	50	125A		S1*		A53
669	1N2080	50	.50	25	.75	15	50	.35	50	25		S1Δ		A53
670	1N2090	50	.50	85	.50	15	100	.25	50	85		S1Δ	Δ	M21
670a	AS11	50†	.50∅	150C	1.0			.50∅		150		S1		S10
671∅	B200	50	.50	100A	1.5	20		.50∅	50	100A		S1Δ		A6a

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.



## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
671b	BB101	50†	.50	150C	.90	15	165S	.50	50	150		S1	3	A20
671c	BB111	50†	.50	150C	.80	15	165S	.10	50	150		S1	3	A20
671d	BB121	50†	.50	150C	1.0	15	165S	1.0	50	150		S1	3	A20
671e	BD101	50†	.50	150C	.90	15	165S	.50	50	150		S1	3	A20
671f	BD111	50†	.50	150C	.80	15	165S	.10	50	150		S1	3	A20
671g	BD121	50†	.50	150C	1.0	15	165S	1.0	50	150		S1	3	A20
671h	BE101	50†	.50	150C	.90	15	165S	.50	50	150		S1	3	A20
671i	BE111	50†	.50	150C	.80	15	165S	.10	50	150		S1	3	A20
671j	BE121	50†	.50	150C	1.0	15	165S	1.0	50	150		S1	3	A20
671k∅	CEC55	50Δ	.50	100A	1.2	60		.50Δ	50	100A		S1		A41
671m∅	CER67C	50	.50	25	1.2		150A	.20	50	100		S1		
671n∅	CER670C	50	.50	25	1.0		150A	.05	50	100		S1		
672	E50	50	.50	100	.50	15	100	.50	50	100		S1Δ	Δ	
672a∅	EER50-2	50	.50	25	1.0		200A	.01	50	25		S1		A11
673	NL5	50	.50	100	1.5			1.0∅		100		S1		A6
674	PS105	50∅	.50∅	25A	1.5Δ	3.3	200A	.50∅	35∅	150A		S1		A47
675	PT505	50	.50	100	1.25	15	100	.50	50	100		S1		
676	S22	50	.50	80	1.2	15	150	.01	50	25		S1Δ		
676a	S40	50	.50	80	1.2	15	150	.50	50	25		S1Δ		
676b∅	S40A	50	.50	25		15	25	.10	50	25		S1		A54
676c∅	S250	50	.50	100		60	25	.50	50	100		S1		A54
676d∅	SER50	50	.50	25	1.0		200A	.01	50	25		S1		P5
677	SR5	50	.50	100A	1.5	15	100A	.50	50	100A		S1*		
677a∅#	1S120	50	.60	40A	1.3Δ	15	100	.05Δ	50	25A		S1*		A34a
677b#	1S1691	50	.60	50A	.60∅	20	115A	.50Δ	50	100		S1*		
677c∅	S77	50	.60	25		15	25	.20	50	25		S1		A54
677d∅#	SJ051F	50	.70∅	25A	1.7*	7.0	120J	.50*	50	120J		S1		A34c
678	1N536	50	.75	50	.50∅	15	175A	.40∅		150		S1	∅	DO3
678a	1N1644	50	.75	50A	1.0	15	150A	.40∅	35	150A		S1		A53
679	1N2072	50	.75∅	25A								S1*		A53
680	1N2103	50†	.75	25		10	165A	.30	50	25		S1Δ		A53
680a	1N2858	50	.75	75		40	125A	.40	50			S1		
680b∅#	1S119	50	.75	25A	1.2Δ	15	140	.005Δ	50	25A		S1*		A34a
680c#	1S536	50	.75	50A	.50∅	15	175A	.40Δ	50	150		S1*		
680d#	1T20105	50†	.75	50A		15	165J	.72	50	150A		S1		A34a
680e	5H	50	.75	55	1.0	75	150	1.0	50	25		S1		
680f∅	CER67	50	.75	25	1.2		150A	.20	50	100		S1		
680g∅	CER670	50	.75	25	1.2		150A	.05	50	100		S1		
680h∅	S76	50	.75	25		20	25	.50	50	25		S1		S48
680j∅	TK5	50†	.75	50	1.1	15		.01	50	25		S1		
680k∅	XS22	50	.75	25		15	25	.01	50	25		S1		A54
681	1N607	50	.80∅	100A	1.6Δ	10	170S	.025Δ	50	25A		S1		DO4
682	1N607A	50	.80∅	100A	1.3Δ	10	170S	.001Δ	50	25A		S1		DO4
683	1N1034	50	1.0	100	1.5		150	.20	50	25		S1		
684	1N1040	50	1.0	100	1.5		150	.20	50	25		S1		
685	1N1046	50	1.0	100	1.5		150	.20	50	25		S1		S4b
685a	1N2026	50†	1.0∅	150C	2.0		175A	.50∅		150		S1		
686	1N2266	50	1.0	25	.60	20	50	.35	50	150		S1Δ		
687	1N2267	50	1.0	25	.60	20	50	.35	50	150		S1Δ		
688	1N2348	50	1.0	150C	1.1			.30		150		S1		
688a∅	1R50	50	1.0	25	1.0		200A	.01	50	25		S1		A9
688b#	1S610	50	1.0∅	65C			150C	1.0Δ	50	25A		S1Δ	1	
688c	2N1595	50	1.0	80C	2.0	15	150C					S1	1	
689∅	3R50	50	1.0	25	1.3		200A	.25	50	25		S1		A9
692	AM1	50	1.0	100C	1.25	20	100C	.30	50∅	100C		S1		
693	AM4	50	1.0	150C	1.25	20	150C	.50	50∅	150C		S1		
693a	BC101	50	1.0	25	1.5	20		.50	50	150		S1	Δ	A21b
693b	BY101	50	1.0	150C	.90	25	150	.50	50	150C		S1Δ		DO2
693c	BY111	50	1.0	150C	.80	25	150	.10	50	150C		S1Δ		DO2
693d	BY121	50	1.0	150C	1.0	25	150	1.0	50	150C		S1Δ		DO2
693e∅	EER50-1	50	1.0	25	1.3	140	200A	.25	50	25		S1		A10
693f∅	EER50-1	50	1.0	25	1.0		200A	.01	50	25		S1		A10
694	NA1	50	1.0	100	2.0			.30	50	100		S1		S4b

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
696#	RS30BF	50	1.0	100	1.5	4.0	100	.10	50	25		S1*		
697#	SJ052F	50	1.0	25A	1.7*	3.0	200J	1.5*	50	200J		S1		A34c
697a	TCR501	50†	1.0	80		15	150A	.10	50	125		S1	1	TO5
697b	TCR505	50†	1.0	125		50	125A					S1	1	
697c	TI010	50	1.0	80C		15	150C	1.0	50	125		S1	1	TO5
697d	TI025	50	1.0	80C		15	150C	1.0	50	125		S1	1	TO5
697e	TI050	50	1.0	80C		15	150C	1.0	50	125		S1	1	TO5
698	TM1	50†	1.0	100C	2.0		125A	.30		100C		S1		
699	X1RC5	50	1.0	30	1.25	15	125S	3.0	50	30		S1	1	
699a	XS40A	50	1.0	25		15	25	1.0	50	25		S1		A54
699b	ZJ203F	50†	1.0	82C			125A					S1	1	
699c	2N1930	50†	1.1	25C			125A					S1	1	
699d	HC67	50	1.1	25	1.2		150A	.20	50	100		S1		
699e	HC670	50	1.1	25	1.2		150A	.05	50	100		S1		
700#	SFR106	50	1.2	25A	.70	120	60A	7.0	50	70J		Ge*		S16a
701	1N1052	50	1.5	100	1.5		150	1.5	50	25		S1		
701a	1N1907	50†	1.5	25		30	200A	.01	50	25		S1Δ		
702	1N2216	50	1.5	25	.60	20	50	.50	50	150		S1Δ		
703	1N2217	50	1.5	25	.60	20	50	.50	50	150		S1Δ		
703a	1N2390	50	1.5	55A	1.2	35	150A	.30	50	150A		S1Δ	∅Δ	A32
703b	1N2399	50	1.5	55A	1.2	35	150A	.30	50	150A		S1Δ	∅Δ	C8
703c	1N2408	50	1.5	55A	1.2	35	150A	.30	50	150A		S1Δ	∅Δ	C9
703d	1N2417	50	1.5	55A	1.2	35	150A	.30	50	150A		S1Δ	∅Δ	F8
704	4JA411F	50	1.5	25	1.0		155A					S1	∅	
704a	5F1	50†	1.5	100C	1.0		150C	5.0	50	25		S1		S41a
704b	CA152AA	50	1.5	55A	1.2	35	150A	.30	50	150A		S1Δ	∅Δ	A32
704c	CC152AA	50	1.5	55A	1.2	35	150A	.30	50	150A		S1Δ	∅Δ	C8
704d	CF152AA	50	1.5	55A	1.2	35	150A	.30	50	150A		S1Δ	∅Δ	F8
704e	CP152AA	50	1.5	55A	1.2	35	150A	.30	50	150A		S1Δ	∅Δ	C9
705	HR10741	50	1.5	135C	1.5	15	150	.20	50	25		S1Δ		
705a#	SJ051A	50	1.5	25A	1.7*	7.0	120J	.50*	50	120J		S1	∅	S30
706#	ZR10	50	1.5	25A	1.0	70	140A	.50	50	100A		S1Δ		A42
707#	ZR10T	50	1.5	25A	1.0	70	140A	.50	50	100A		S1Δ		
708	1N1217	50	1.6	140C	1.0	20	175J	1.5*	50	150J		S1	∅	A34b
709	1N1217A	50	1.6	140C	1.0	20	175J	.50*	50	150J		S1	∅	A34b
710	1N1227	50	1.6	140C	1.0	20	175J	1.5*	50	150J		S1	∅	S25
711	1N1227A	50	1.6	140C	1.0	20	175J	.50*	50	150J		S1	∅	S25
712	1N1537	50	1.6	140C	1.0	20	175J	.50*	50	150J		S1	∅	S28
713	1N2109	50†	2.0	25		10	165A	.30	50	25		S1Δ		
713a	S37	50	2.0	25		20	25	.10	50	25		S1		S48
714#	SJ052A	50	2.3	25A	1.7*	3.0	200J	1.5*	50	200J		S1	∅	S30
714a	1N2524	50	2.5	150C	1.2	50	150	.50	50	150C		S1Δ		S35
714b	1N2535	50	2.5	150C	1.0	50	150	.10	50	150C		S1Δ		S35
714c	1N2546	50	2.5	150C	1.5	50	150	1.0	50	150C		S1Δ		S35
714d	BY201	50	2.5	150C	1.2	50	150	.50	50	150C		S1Δ		DO4
714e	BY211	50	2.5	150C	1.0	50	150	.10	50	150C		S1Δ		DO4
714f	BY221	50	2.5	150C	1.5	50	150	1.0	50	150C		S1Δ		DO4
714g	S38	50	2.5	25		20	25	.10	50	25		S1		S48
715	1N1581	50†	3.0	150C	1.5		175A	.50		150		S1		
716a#	1S600	50	3.0	75C	2.0	25	125C	1.0	50	25C		S1Δ	1	
716b	2N1600	50	3.0	80C	2.0	25	150C					S1	1	
716c	2R50	50	3.0	25	1.0		200A	.01	50	25		S1		S36
716d	4R50	50	3.0	25	1.3		200A	.25	50	25		S1		S36
717	AM7	50	3.0	150C	1.25	40	150C	.50	50	150C		S1		
718	MR5	50	3.0	150	1.0			.020	50	25A		S1		
719	S50	50	3.0	80	1.2		20	150	.10	50	25	S1		
720	1N1917	50†	4.0	25		30	200A	.01	50	25		S1Δ		
720a#	CR4.051A	50	4.0	25A		42.5	100J					S1	1	S32
721	C10F	50	4.7	60B			150A					S1	1	S17
721a	C11F	50	4.7	60B			125A					S1	1	S17
721b	1N1058	50	5.0	100	1.5		150	1.5	50	25		S1		
725	1N1064	50	5.0	100	1.5		150	1.5	50	25		S1		
726	1N1070	50	5.0	100	1.5		150	1.5	50	25		S1		

SEE FOLD-OUT BACK COVER

for

EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
727	1N1612	50	5.0	25B	1.5	25	175S	1.0	50	150B		S1		
728	1N2228	50	5.0	25	.60	100	50	.50	50	150		S1Δ		
729	1N2228A	50	5.0	25	.60	100	50	.35	50	150		S1Δ		
730	1N2229	50	5.0	25	.60	100	50	.50	50	150		S1Δ		
731	1N2229A	50	5.0	25	.60	100	50	.35	50	150		S1Δ		
731a	1N2793	50	5.0	150C	1.25	75	150	5.0	50	150C		S1Δ		DO5
731b#	10R2	50	5.0	25	.63		165	15	50	150		S1		
732	AM0505	50	5.0	150C	1.25	75	150C	5.0	50	150C		S1		
732a	C40F	50	5.0	25			125J					S1	1	S18
732b#	CR5.051A	50	5.0	25A		42.5	120J					S1	1	S32
733	NA0505	50	5.0	150	1.25			5.0	50	150		S1		S21c
734	R5	50∅	5.0Δ	25A	1.0	50	150A	.020	50	25A		S1Δ	∅Δ	
735#	RS50AF	50	5.0∅	100	1.3	27.5	100	.10	50	25		S1Δ		
736#	SFR106/1	50	5.0∅	25A	.70	120	60A	7.0	50	70J		Ge*	∅	S16a
737	TCR503	50†	5.0	25C								S1	1	
741	1N1341	50	6.0∅	150C	1.1∅	150	190J	10*	50	190J		S1	∅	S26Δ
741a	1N1341A	50	6.0	145B		150		3.0∅	50	150B		S1	∅	DO4Δ
741b	1N2147	50	6.0	150C	1.2	150	150	.50	50	150C		S1Δ		S35
741c	1N2147A	50	6.0	150C	1.0	150	150	.10	50	150C		S1Δ		S35
742	1N2491	50	6.0	150	1.1		190A	.50∅		150C		S1		
742a	1N2565	50	6.0	150C	1.5	150	150	1.0	50	150C		S1Δ		S35
742b∅	2N1771	50†	6.0	70B			125A					S1	1	
742c	6F5	50†	6.0	25			100					S1		S19
742d	BY701	50	6.0	150C	1.2	150	150	.50	50	150C		S1Δ		DO4
742e	BY711	50	6.0	150C	1.0	150	150	.10	50	150C		S1Δ		DO4
742f	BY721	50	6.0	150C	1.5	150	150	1.0	50	150C		S1Δ		DO4
742g	KS602AA	50	6.0	150C	1.2Δ	60	175C	1.0∅	50	150C		S1Δ	∅Δ	DO 4
742h	NA605	50	6.0	150	1.1	30	150	5.0	50	150		S1		S4c
742j#	P506	50∅	6.0∅	125B	1.2Δ	140	150S	3.0Δ	50	125B		S1Δ	∅Δ#	
742k∅	2N1771A	50†	7.0	115B			150A					S1	1	
743#	SFR106/2	50	7.0∅	25	.70	120	60A	7.0	50	70J		Ge*	∅	S16a
743a∅#	CR8.051A	50	8.0	25A		85	100J					S1	1	S32
744#	ZR20	50	8.0	25A	1.2	70	140A	.50	50	100A		S1Δ		S39Δ
746	1N248	50†	10∅	150C	1.5		175A	5.0∅		150		S1		DO5Δ
747	1N2246	50	10	25	.60	200	50	1.0	50	150		S1Δ		
748	1N2246A	50	10	25	.60	200	50	.50	50	150		S1Δ		
749	1N2247	50	10	25	.60	200	50	1.0	50	150		S1Δ		
750	1N2247A	50	10	25	.60	200	50	.50	50	150		S1Δ		
751	4JA3511F	50	10	55A	.52	100	175A	15∅	50	200J		S1	∅	
751a∅	10CR50	50	10	25	1.0	100	200A	10	50	25		S1		C8a
751b∅	10ER50	50	10	25	1.0	100	200A	1.0	50	25		S1		C8a
752	AG0512	50	10	150C	1.5	150	150C	1.0	50	150C		S1		
753	AM0510	50	10	150C	1.25	150	150C	5.0	50	150C		S1		
753a	C36F	50†	10	55B	1.25	125	100A	19				S1	1	S18
754#	CR10.051A	50	10	25A		85	120J					S1	1	S32
755	NCR050D	50	10	25				10	50	100		S1	1	S18
755a#	P510	50∅	10∅	125B	1.1Δ	230	150S	3.0Δ	50	125B		S1Δ	∅Δ#	
756	S5	50∅	10Δ	25A	1.0	100	150A	.020	50	25A		S1Δ	∅Δ	
756a∅#	SCR52	50	10	25	1.25	120	100					S1	1	S40
757*#	SCR962	50	10	25	1.25	120	100	19	50	25		S1	1	C5
758	TCR52	50†	10∅	100C		150	125A					S1	1	
759	TCR510	50†	10	25C								S1	1	
759a∅#	THP801	50	10	25			125A					S1		
760	X10RC5	50†	10	30	1.25	125	100A	3.0	50	30		S1	1	S18a
761	1N1199	50	12∅	150C	.65∅	200	190J	10*	50	190J	F	S1	∅	S27Δ
762	1N1199A	50	12	145B		240		3.0∅	50	150B		S1	∅	DO4Δ
762a	1N2576	50	12	150C	1.2	250	150	1.0	50	150C		S1Δ		S35
762b	1N2587	50	12	150C	1.0	250	150	.20	50	150C		S1Δ		S35
762c	1N2598	50	12	150C	1.5	250	150	2.0	50	150C		S1Δ		S35
762d*	5J3P	50†	12	100A	1.2		100A	5.0	50	25A		S1		S23Δ
762e	12F5	50†	12	25			100					S1		S19
762f	B443	50	12		1.2	60	175	2.0	50	150		S1	Δ	DO4Δ
762g	BY801	50	12	150C	1.2	250	150	1.0	50	150C		S1Δ		DO4

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
762h	BY811	50	12	150C	1.0	250	150	.20	50	150C		S1Δ		DO4
762j	BY821	50	12	150C	1.5	250	150	2.0	50	150C		S1Δ		DO4
762k	NA1205	50	12∅	150C	1.1		200A	5.0	50	150C		S1		S4c
762m	TM9	50†	12	150C	1.2	60	190A	2.0∅		150		S1		
762n	US123AA	50	12	150C	1.2Δ	130	175C	3.0∅	50	150C		S1Δ	∅Δ	DO4
762p	OA250	50†	14Δ	100		200	150	5.0Δ	25	150		S1*		
763	1N1076	50	15	100	1.5		150	20	50	25		S1		
763a∅	1N3208	50†	15∅	150	1.5	250	175A	1.0	50	25		S1		S21b
763b∅#	3M5	50†	15	110B	1.05∅	300	140B	5.0	50	130B		S1		
764	5Q3	50	15	100	1.5		150	20	50	25		S1		
764a	MR312	50	15	150	1.2	250	175	1.0Δ	50	25		S1Δ		S21BA
764b	MR322	50	15	150	1.2	25	175	1.0Δ	50	25		S1Δ		DO5Δ
765#	R515	50∅	15∅	125B	1.2Δ	350	150S	3.0Δ	50	125B		S1Δ		
766∅	2N682	50†	16	80B	.86	150	125A	6.5∅	50	125J	N	S1	1	S18
766a∅	2N1843	50	16	25B			100A					S1	1	S18
766b	NCR050E	50	16	25				10	50	125		S1	1	S18
766c	X16RC5	50	16	30	.90∅	125	105	6.5∅		30A		S1	1	S18a
767	1N1301	50	17.5	150B	.63∅	300	200A	15∅		150		S1		
768	1N1191	50	18∅	140C	.75∅	200	190J	10*	50	190J		S1	∅	S29
768a	DA05	50	18∅	190J	.75	200	190J	10*	50	190J		S1	∅	
768b	2005	50†	19∅	25A	.60∅	200	175J	1.0∅	50	150C	M	S1Δ	∅Δ#	DO4Δ
768c∅	B205	50	19	25A	.60			1.0	50	125C		S1	∅	
769	1N248A	50†	20∅	150C	1.5		175A	5.0∅		150		S1		DO5Δ
770	1N248B	50	20∅	150	1.5			5.0∅		150		S1		DO5
771	1N1157	50	20	100	1.25		100	25	50	25		S1		M25
772	1N1171	50	20	100	1.25		100	25	50	25		S1		M25
773	1N2272	50	20	25	.60	400	50	1.0	50	150		S1Δ		
773a	1N2446	50	20	150B	1.1	300	175B	5.0∅	50	150B		S1Δ	∅Δ	DO5Δ
774∅	5R3P	50†	20	100A	1.25		100A	25	50	25		S1		S47Δ
774a∅	20CR50	50	20	25	1.0	140	200A	10	50	25		S1		C8a
774b∅	20ER50	50	20	25	1.0	140	200A	1.0	50	25		S1		C8a
775	AM0520	50	20	150C	1.25	300	150C	5.0	50	150C		S1		
777	DS203AA	50	20	150B	1.1	300	175B	5.0∅	50	150B		S1Δ	∅Δ	DO 5
778	DT203AA	50	20	150B	1.1	300	175B	5.0∅	50	150B		S1Δ	∅Δ	DO 5
779	NA0520	50	20	150	1.25			5.0	50	150		S1		S21c
780#	R520	50∅	20∅	125B	1.1Δ	450	150S	3.0Δ	50	125B		S1Δ	∅Δ#	
781	T5	50∅	20Δ	25A	1.0	250	150A	.200	50	25A		S1Δ	∅Δ	
781a	TCR520	50†	20	25C								S1	1	
782	TR50	50†	20	100C	2.0		175A	10∅		100C		S1		
782a∅#	ZR50	50	20	65A	1.2	360	140A	2.0	50	100A		S1Δ		Δ
783	1N2294	50	22∅	40A	1.1Δ	160	135B	10Δ	50	165A		S1Δ		S13Δ
785	1N2302	50	22∅	40A	1.1Δ	160	135B	10Δ	50	165A		S1Δ		S14Δ
788	1N2154	50	25	145B	.60∅	300	200A	5.0∅		145B		S1*	∅	DO5Δ
789	CS120Z	50†	25	150C	.55	350	200S	5.0∅	50	150C		S1		DO 5
790	2105	50†	26∅	25A	.60∅	200	175J	1.0∅	50	150C	M	S1Δ	∅Δ#	DO4Δ
790a∅	B305	50	26	25A	.60			1.0	50	125C		S1	∅	
791	1N1434	50	30	25B	1.2	250	175S	5.0	50	150B		S1		
792a	1N2458	50	30	150B	1.1	450	175B	5.0∅	50	150B		S1Δ	∅Δ	DO5Δ
793	DS303AA	50	30	150B	1.1	450	175B	5.0∅	50	150B		S1Δ	∅Δ	DO 5
794	DT303AA	50	30	150B	1.1	450	175B	5.0∅	50	150B		S1Δ	∅Δ	DO 5
795#	ZR30	50	30	25A	1.2	360	140A	2.0	50	100A		S1Δ		S38Δ
795a	3105	50†	34∅	25A	.60∅	200	175J	2.0∅	50	150C	M	S1Δ	∅Δ#	DO5Δ
796	1N1161	50	35	100	1.25		100	40	50	25		S1		M24
797	1N1175	50	35	100	1.25		100	40	50	25		S1		M24
798	1N1183	50	35∅	140C	.60	500	190J	20*	50	190J		S1	∅	S29Δ
799	1N2310	50	35∅	40A	1.1Δ	300	135B	20Δ	50	165A		S1Δ		S13Δ
801	1N2318	50	35∅	40A	1.1Δ	300	135B	20Δ	50	165A		S1Δ		S14Δ
804	5S3P	50†	35	100A	1.25		100A	40	50	25A		S1		S44Δ
804a	35F05	50*	35∅	190J	1.1*	900	190J	20*	50	190J		S1*	∅Δ#	Δ
805a	EA05	50	35∅	190J	.60	500	190J	20*	50	190J		S1Δ		
805c	NA0535	50	35∅	150C	1.5		175A	5.0	50	150		S1		S21c
806	TR53	50	35∅	150C	1.5		175A	5.0∅		150		S1		
807	4JA6211F	50	41	35A	1.0	500	100A	30∅	50	150J		S1	∅	

SEE FOLD-OUT BACK COVER

for

EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
807a	3205	50†	45∅	25A	.60∅	600	175J	2.0∅	50	150C	M	S1Δ	∅Δ#	DO5Δ
807b∅	B505	50	45	25A	.60			2.0	50	125C		S1	∅	
808	1N411B	50†	50∅	150C	1.5		175A	15∅		150		S1		S54
809∅	1N411B/A	50	50	150C	1.5		175A	15∅	50	150		S1		S55Δ
809a∅	1N411B/B	50	50	150C	1.5		175A	15∅	50	150		S1		M28Δ
809b∅	1N411B/C	50	50	150C	1.5		175A	15∅	50	150		S1		M29Δ
810	1N2426	50	50	150B	1.1Δ	950	175B	10∅	50	150B		S1Δ	∅Δ	DO8Δ
810a*	5T3P	50†	50	100A	1.2		100A	60	50	25		S1		S45Δ
810b∅#	6A5	50†	50	60B	1.05∅	900	140B	10	50	130B		S1		S29
810c∅	10A11P	50†	50	150C	1.2			.005	50	150C		S1	∅	Δ
810d	C60F	50	50	87B			150A					S1	1	
810e	CH116Z	50	50	150C		500	150C	20	50	150C	T	S1		DO5
811	FS503AA	50	50	150B	1.1Δ	950	175B	10∅	50	150B		S1Δ	∅Δ	DO8
812	FT503AA	50	50	150B	1.1Δ	950	175B	10∅	50	150B		S1Δ	∅Δ	DO8
812a∅	TCR550	50	50	100C								S1	1	TO5
813	4JA6011F	50	53	35A	1.1	500	100A	30∅	50	150J		S1	∅	
813a*	1N2128	50	60	130B	.90		190B	10	50	140B		S1	Δ	DO5Δ
813b*	1N2128A	50	60	180B	.90		140B	10	50	175B		S1	Δ	DO5Δ
813c∅#	25H5	50†	60	180B	1.05∅	900	190B	10	50	175B		S1		S21a
813d	3305	50†	60∅	25A	.60∅	600	175J	2.0∅	50	150C	M	S1Δ	∅Δ#	DO5Δ
814#	RS80AF	50	60∅	100	1.2	600	100	50	50	25		S1#		
814a#	S506	50∅	60∅	125B	1.0Δ	1400	150S	5.0Δ	50	125B		S1Δ	∅Δ#	
815#	ZR30C	50	60	120J	1.2	150	110B	.50	50	100A		S1Δ		
816#	ZR30F	50	60	120J	1.2	150	110B	.50	50	100A		S1Δ		
816a	1N1396	50	70∅	150C	1.2∅	1200	190J	30*	50	190J		S1	∅	S14b
816b	1N2436	50	70	150B	1.1	1200	175B	10∅	50	150B		S1Δ	∅Δ	DO8Δ
817	4JA60F	50	70	150B	1.1	900	200J	70∅	50	200J		S1		Δ
819	4JA62F	50	70	100B	1.1	900	150J	70	50	150J		S1		Δ
820∅	C50F	50†	70	65B	.80	1000	125A	6.5∅	50	125J		S1	1	S17a
822*	CH109Z	50	70	150C	1.3	1500	150	15∅	50	150		S1		S53
823	FS703AA	50	70	150B	1.1	1200	175B	10∅	50	150B		S1Δ	∅Δ	DO8
824	FT703AA	50	70	150B	1.1	1200	175B	10∅	50	150B		S1Δ	∅Δ	DO8
825#	23RIA	50†	75	35								S1		
825a∅	CH118Z	50	80	150	1.3	1500	150	25	50	150		S1		S8e
826	4005	50†	90∅	25A	.60∅	1200	175J	5.0∅	50	150C		S1Δ	∅Δ#	DO8Δ
826a	1N1165	50	100	100	1.25		100	100	50	25		S1		
827	1N1179	50	100	100	1.25		100	100	50	25		S1		
829	5V3P	50†	100	100A	1.25		100A	100	50	25		S1		S45Δ
831	5W3P	50	100	100	1.25		100	100	50	25		S1		S45Δ
831a	BC100	50	100	35A	.55	1500	130A	20∅	50	25		S1		M10
832	U5	50∅	100	25A	1.0	1000	150A	2.0	50	25A		S1Δ	∅Δ	
832a∅#	ZR40	50	100	25A	1.2	1200	140A	10	50	100A		S1Δ		M18Δ
832b∅	2N1910	50†	110	59B	.80	1000	125A	6.5∅	50	125J		S1	1	
832c∅	C55F	50†	110	59B	.80	1000	125A	6.5∅	50	125J		S1	1	
833	4105	50†	120∅	25A	.60∅	1200	175J	5.0∅	50	150C		S1Δ	∅Δ#	DO8Δ
833a*	5005	50†	135∅	25A	.60∅	3000	175J	5.0∅	50	150C		S1Δ	∅Δ#	Δ
834	1N1263	50	150	100	1.25		100	100	50	25		S1		
835	1N1267	50	150	100	1.25		100	100	50	25		S1		
836	45L5	50	150∅	130B	.60∅	500	200S	40	50	175B		S1		S8Δ
836a	45LB5	50†	150∅	95B	.90∅		130B	10∅	50	130B		S1		S8CΔ
837	45M5	50	150∅	130B	.60∅	500	200S	40∅	50	175B		S1		Δ
838	45P5	50	150∅	130B	.60∅	500	200S	40∅	50	175B		S1		S8aΔ
838a	45TB5	50†	150∅	95B	.90∅		130B	10∅	50	130B		S1		M3Δ
839	1N1271	50	160∅	190J	.60	2000	190J	40*	50	190J		S1	∅	S14c
840	1N1281	50	160∅	190J	.60	2000	190J	40*	50	190J		S1	∅	S14g
841	1N1291	50	160∅	190J	.60	2000	190J	40*	50	190J		S1	∅	S8e
842	1N1660	50	160∅	125C	.60	2000	190J	40*	50	190J		S1	∅	S14d
842a∅	15A11P	50†	160	125C	1.2			.04	50	125C		S1	∅	Δ
842b	160E05	50*	160∅	120C	1.3Δ	3000	190J	40*	50	190J		S1*	∅Δ#	Δ
842c	160F05	50*	160∅	120C	1.3Δ	3000	190J	40*	50	190J		S1*	∅Δ#	Δ
842d	5105	50†	160∅	25A	.60∅	3000	175J	5.0∅	50	150C		S1Δ	∅Δ#	Δ
842e	1N1263A	50	200	100	1.25		100	100	50	25		S1		
843	1N1267A	50	200	100	1.25		100	100	50	25		S1		

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SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
845	5X3P	50	200	100	1.25		100	100	50	25		S1		S46Δ
847	W5	50	200	25A	1.0	2000	150A	5.0	50	25A		S1Δ	∅Δ	
847a	1N2054	50	225	135B	.55	2000	200S	40	50	175B		S1		DO7
849	1N1330	50	240	125C	.60	3000	190J	50*	50	190J		S1	∅	
850	1N1376	50	240	125C	.60	3000	190J	50*	50	190J		S1	∅	S14h
851	1N1670	50	240	125C	.60	3000	190J	50*	50	190J		S1	∅	S14f
851a	16A11P	50†	240	125C	1.2		150C	.05	50	125C		S1	∅	Δ
851b	240E05	50*	240	190J	1.2Δ	4000	190J	50*	50	190J		S1	∅Δ#	Δ
851c	240F05	50*	240	190J	1.2Δ	4000	190J	50*	50	190J		S1	∅Δ#	Δ
851d	439A	50†	240	125C		3000		50	50	190J		S1		S14e
851e	5Y3P	50	250	100	1.25		100	100	50	25		S1		S46Δ
851f	70TB5	50	250	80B	.80		130B	100	50	130B		S1	4	M3Δ
851g	70U5	50†	250	130B	1.05	4500	190B	55	50	175B		S1		S8b
851h	70UB5	50	250	80B	.80		130B	100	50	130B		S1	4	S8cΔ
851i	5G3N	50†	350	100	1.2			120	50	25		S1		
851j	400E05	50*	400	190J	1.2Δ	8000	190J	75*	50	190J		S1*	∅Δ#	Δ
851k	400F05	50*	400	190J	1.2Δ	8000	190J	75*	50	190J		S1*	∅Δ#	Δ
852	D5	50	400	25A	1.0	4000	150A	10	50	25A		S1Δ	∅Δ	
853	5ZB	50†	1000	100	1.2		100A	120	50	25		S1		
854#	Ge025C	55	.25	35A	.20	3.0	65J	.60Δ	100	65J	T	Ge		
854a	1N248C	55†	20	150C		350	175C	3.8	55	150C		S1Δ		DO5Δ
854b	6XD	60	.0125	100	6.0	.50	100	.11	78	100		SeΔ	3	
854c	TA1062	60	.05	400	1.0		400A	1.0	400	400	D	GaAs		A40
854d	TSW61A	60	.10	25	2.0		125A	.05	60	125		S1	1	TO18
855#	OY4	60	.20	45	.20	2.0	70J	.25	150	25A	T	GeΔ		
855a	TSW61S	60†	.20	75	1.2	1.0	150A	.02	60	125		S1	1	TO18
856	3A60S	60	.75	100C			150A	.01	60	25		S1	1	
856a	2N1882	60	1.0	100C								S1	1	TO9
857	3B60S	60†	1.0	100				.01	60	25		S1	1	
857a	VA713F	60†	13	35A	.50	140	55A	50	60	35		Ge	∅Δ†#	S37
857b	VA719F	60†	20	35A	.50	210	55A	50	60	35		Ge	∅Δ†#	S37
858#	G3C50	60	42	25A	.27		70	20	60	25		Ge*	∅Δ#	F18
859	WX809A	60†	50	90B	.75	1000	125J					S1	1	S17a
860	4XC	66	.025	100	4.0	.50	100	.11	52	100		SeΔ	4	
876	CDE2177	70	1.0	150	1.1	18	150	.30	100	150	T	S1*		
876a	CDE2349	70	1.0	150	1.1	18	150	.30	100	150	T	S1*		
876b	X1RC7	70	1.0	30	1.25	15	125S	3.0	70	30		S1	1	
876c	CDE1582	70	3.0	150	1.5	60	150	.50	100	150	T	S1*		
876d	CDE2185	70	3.0	150	1.5	60	150	5.0	100	150	T	S1*		
876e	CDE5091B	70	3.0	150	1.0	18	150	5.0	100	150	T	S1*		
876f	S39	70	4.0	25		20	25	.10	70	25		S1		S48
876g	CDE1342	70	6.0	150	1.25	60	150	5.0	100	150	T	S1*		
876h	CDE2195	70	6.0	150	1.25	60	150	5.0	100	150	T	S1*		
876i	CDE5051B	70	6.0	150	1.2	50	150	5.0	100	150	T	S1*		
876j	CDE210B	70	10	150	1.5	250	150	5.0	100	150	T	S1*		
876k	CDE249	70	10	150	1.5	250	150	5.0	100	150	T	S1*		
876m	X10RC7	70	10	30	1.25	125	100A	30	70	30		S1	1	S18a
876n	CDE1200	70	12	150	1.25	120	150	5.0	100	150	T	S1*		
876p	CDE2205	70	12	150	1.25	120	150	5.0	100	150	T	S1*		
876q	X16RC7	70	16	30	.90	125	105	6.5	30A			S1	1	S18a
876r	1N1192A	70	22	150	1.2		150B	5.0	100	175C		S1		DO5
877	1N1184A	70	40	150	1.1		150B	5.0	100	175C		S1		DO5
878a#	22RIA	70†	75	35								S1		
879#	Ge100D	70	100	35A	.25	1500	65J	100*	140	65J	T	Ge	#	
880	9A12P	71	5.0	150C	1.5	50	150C	1.0	71	150C	T	S1Δ	∅Δ#	Δ
880a	7B12P	71	12	150C	1.5	120	150C	10	71	150C	T	S1Δ	∅Δ#	Δ
880b	S240	75	.10	25			25		75	25		S1		A55
880c	EER75-2	75	.50	25	1.0		200A	.015	75	25		S1		A11
880d	SER75	75	.50	25	1.0		200A	.015	75	25		S1		P5
880e	1R75	75	1.0	25	1.0		200A	.01	75	25		S1		A9
880f	3R75	75	1.0	25	1.3		200A	.25	75	25		S1		A9
880g	ECR75-1	75	1.0	25	1.3	140	200A	.25	75	25		S1		A10
880h	EER75-1	75	1.0	25	1.0		200A	.01	75	25		S1		A10

SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
			(amps)	@T (°C)										
881#	GJ4M	75	1.0	25A	1.0	6.0	90J					Ge	∅	S33
881a∅	2R75	75	3.0	25	1.0		200A	.01	75	25		S1		S36
881b∅	4R75	75	3.0	25	1.3		200A	.25	75	25		S1		S36
881c∅#	CR4.071A	75	4.0	25A		42.5	100J					S1	1	S32
881d#	CR5.071A	75	5.0	25A		42.5	120J					S1	1	S32
881e∅#	CR8.071A	75	8.0	25A		85	100J					S1	1	S32
881f∅	10CR75	75	10	25	1.0	100	200A	10	75	25		S1		C8a
881g∅	10ER75	75	10	25	1.0	100	200A	1.0	75	25		S1		C8a
882#	CR10.071A	75	10	25A		85	120J					S1	1	S32
882a∅	20CR75	75	20	25	1.0	140	200A	10	75	25		S1		C8a
882b∅	20ER75	75	20	25	1.0	140	200A	1.0	75	25		S1		C8a
882c#	7TA03W	75	215	30	.60	3600	85S	200	75	75J		Ge*	†	
882d∅	1N483TH	80	.025	150		15	25	.03	80	150		S1		A54
883#	SD80	80	.038	25			150	.0001	80	25A		S1		
884#	OY3	80	.20Δ	45	.20	2.0	70J	.25	200	25A	T	GeΔ		
885#	GEX541	80	6.0	35A	.55	80	65J	25	80	70		Ge†	∅Δ†#	S16
885a∅#	VA713E	80†	13∅	35A	.50	140	55A	50	80	35		Ge	∅Δ†#	S37
885b∅#	VA719E	80†	20∅	35A	.50	210	55A	50	80	35		Ge	∅Δ†#	S37
885c#	G4C50	80∇	40∅	25A	.27∅		70	20∅	80∇	25		Ge*	∅Δ#	F18
885d∅	S44	85	.40	25		15	25	.20	85	25		S1		A54
886#	OA31	85	12	25	.60	90	75	.04	85	25J		Ge		S13a
887	TA1063	90	.05	400	1.0		400A	1.0∅		400	D	GaAs		A40
888#	21RIA	90†	75	35								S1		
890	1N253	95†	1.0∅	150C	2.0		175A	.10∅		150	M	S1		DO4
890a	6XC	99∇	.025	100	6.0	.50	100	.11	78	100		SeΔ	4	
891	1N880	100	.05	25	.60			.02	70	25		S1		
894	1N315	100†	.10	85		5.0	85A				F	Ge		DO3
895	1N360	100	.10	100	2.0		200	.25∅		100		S1		A53
895a	1N869	100	.10	25	.60			.02	70	25		S1		
895b#	1TE06	100	.10	50	.55	5.0	85S	10	100	75J		Ge*		
895c#	2TB23	100	.10	50	.45	30	85S	45	100	75J		Ge*		
895d∅	BA104	100	.10	25A	1.1		150	.001	100	25A		S1		
895e∅	PS2412	100	.10	25	2.0		150A	5.0	100	25		S1	4	C15
895f∅	S201	100	.10	25		15	25	.10	100	25		S1		A54
895g	TCS10	100†	.10	500	6.0		500	.50		500		S1C		
895h∅	TSW101A	100	.10	25	2.0		125A	.05	100	125		S1		
895i	1N91	100†	.15	55	.22∅	25	95A	1.4∅		55		Ge*	∅	DO3
896	1N360A	100	.15	100	.60			.10	100	150		S1		DO 2
896a	1N858	100	.15	25	.60			.02	70	25		S1		A21
897	1N1702	100	.15∅	100A	.90Δ	8.0	175S	.40∅	100	100A		S1		A53
897a	AM410	100	.15	150	1.2		150	.30∅	100	150		S1		
897b∅	CER68A	100	.15	25	1.2		150A	.20	100	100		S1		
897c∅	CER680A	100	.15	25	1.2		150A	.05	100	100		S1		
897d	S91	100	.15	80	.90	25	150	2.7	100	25		S1		
897e∅	S91B	100	.15	85		25	25	1.0	100	25		S1		A54
898	1N1708	100	.175∅	150A	.85Δ	10	175S	.40∅	100	150A		S1		
899	1N340	100†	.20∅	150C	2.0		175A	.10∅		150		S1		DO4
900	1N349	100†	.20∅	150C	2.0		175A	.50∅		150		S1		DO4
901	1N676	100†	.20∅	25	1.0	3.0	175A	.20∅		150		S1		A53
902	1N847	100	.20	25	.60			.02	70	25		S1		A21
902a	1N2014	100	.20	150A	1.5		175A	.50∅		150		S1		
903∅	1N3073	100†	.20	150A	1.5		175A	.001	100	25		S1		
903a	AJ10	100†	.20∅	150A	1.0		175A	.002	100	25		S1		A19
904	AM13	100	.20	100C	1.25	8.0	100C	.30	100∅	100C		S1		
904a	CD1122	100	.20	25		2.5	200A	.10∅	70	100A		S1		
904b∅	MC010	100	.20	25	1.0	1.0	200J	.015	100	100A	T	S1Δ		A2a
905	NA13	100	.20	100	2.0			.30	100	100		S1		S4b
907#	OY2	100	.20Δ	45	.20	2.0	70J	.25	250	25A		GeΔ		
908	S91	100	.20	85A	1.5	5.0	85A	1.0	100	85A		S1		
908a	SC102	100	.20	150C			175A	.20	100	150C		S1Δ		A21c
909	TM13	100†	.20∅	100C	2.0		125A	.30∅		100C		S1		
909a∅	TSW101S	100†	.20	75	1.2	1.0	150A	.02	100	125		S1	1	TO18
910	1N317	100	.25	100	2.0		200	.30∅		100		S1		A53

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
910a	1N317A	100	.25	100	.60			.10	100	150		S1		DO2
911	1N1100	100	.25	150A	1.5Δ		165A	.20	100	150		S1		DO1
911a	AM010	100	.25∅	25A		3.3	150A	.10∅	70	100A		S1*		
911b	AS2	100†	.25	150A	1.0		175A	.40		150		S1		A19
911c∅	CER68B	100	.25	25	1.2		150A	.20	100	100		S1		
911d∅	CER680B	100	.25	25	1.2		150A	.05	100	100		S1		
912	PS010	100∅	.25∅	25A		3.3	200A	.10∅	70∇	100A		S1		A46
913#	RS21AF	100	.25	100	1.3	2.0	100	.10	100	25		S1*		
913a	S91H	100	.25	85A	1.5	5.0	85A	.50	100	85A		S1		
913b∅	S221	100	.25	150		15	25	.30	100	150		S1		A54
914	1N440	100	.30	100	1.5Δ	15	150A	.30Δ	100	25		S1		DO3
915	1N530	100	.30	100			150A	.003	100	25		S1		
916	1N600	100	.30∅	100A	1.4Δ	10	170S	.025Δ	100	25A		S1		DO1
917	1N600A	100	.30∅	100A	1.4Δ	10	170S	.001Δ	100	25A		S1		DO1
917a∅#	3BS1	100†	.30	70A	1.4∅	20	150A	.025	100	25A		S1		A6a
917b∅#	3BS2	100†	.30	70A	1.1∅	20	150A	.001	100	25A		S1		A6a
917c#	11J2	100	.30	100A	.50		100	.30	100	100		S1		
918	PA310	100	.30	100	1.5	15	100	.50	100	100		S1		
919	HR10422	100	.35∅	100	1.3	5.0	150	.01	100	150		S1Δ		
920	1N324	100	.40	100	2.0		200	.30∅		100		S1		A53
920a	1N324A	100	.40	100	.60			.12	100	150		S1		DO2
921	1N339	100†	.40∅	150C	2.0		175A	.10∅		150		S1		DO4
922	1N348	100†	.40∅	150C	2.0		175A	.50∅		150		S1		DO4
923	1N677	100†	.40∅	25	1.0	5.0	175A	.20∅		150		S1		A53
925	AM12	100	.40	100C	1.25	10	100C	.30	100∅	100C		S1		
926	NA12	100	.40	100	2.0			.30	100	100		S1		S4b
927	PS410	100∅	.40∅	25A		3.3	200A	.50∅	70∇	150A		S1		A46
928	TM12	100†	.40∅	100C	2.0		125A	.30∅		100C		S1		
929	1N151	100†	.50	55	.18∅	25	95A					GeΔ	∅	
930	1N550	100	.50	100A	1.5Δ		150A	.50u	100	25		S1		A53
931	1N1029	100	.50	100	1.5		150	.20	100	25		S1		A53
932	1N1081	100	.50	100	1.5		150	2.0	100	25		S1		A53
933	1N1252	100	.50	25A	1.0		165A	.50	100	125A		S1*		A53
934	1N2081	100	.50	25	.75	15	50	.35	100	25		S1Δ		A53
935	1N2091	100	.50	85	.50	15	100	.25	100	85		S1Δ	Δ	M21
935a	1N2847	100	.50	150C	.05	15	165A	.40∅	100	150C		S1*		
935b	AS12	100†	.50∅	150C	1.0			.50∅		150		S1		S10
935c∅	B296	100	.50	100A	1.5	20		.50∅	100	100A		S1Δ		A6a
935d	BB102	100†	.50	150C	.90	15	165S	.50	100	150		S1	3	A20
935e	BB112	100†	.50	150C	.80	15	165S	.10	100	150		S1	3	A20
935f	BB122	100†	.50	150C	1.0	15	165S	1.0	100	150		S1	3	A20
935g	BD102	100†	.50	150C	.90	15	165S	.50	100	150		S1	3	A20
935h	BD112	100†	.50	150C	.80	15	165S	.10	100	150		S1	3	A20
935i	BD122	100†	.50	150C	1.0	15	165S	1.0	100	150		S1	3	A20
935j	BE102	100†	.50	150C	.90	15	165S	.50	100	150		S1	3	A20
935k	BE112	100†	.50	150C	.80	15	165S	.10	100	150		S1	3	A20
935l	BE122	100†	.50	150C	1.0	15	165S	1.0	100	150		S1	3	A20
935m∅	CEC105	100Δ	.50	100A	1.2	60		.50Δ	100	100A		S1		A41
935n∅	CER68C	100	.50	25	1.2		150A	.20	100	100		S1		
935p∅	CER680C	100	.50	25	1.0		150A	.05	100	100		S1		
935q∅#	D15A	100*	.50	25A	.60∅			.001	100	25A		S1		
935r∅	DR100	100	.50	25	1.0		200	.10	100	100		S1		A1
936	E100	100	.50	100	.50	15	100	.50	100	100		S1Δ	Δ	
936a∅	EER100-2	100	.50	25	1.0		200A	.020	100	25		S1		A11
937	NL10	100	.50	100	1.5			1.0∅		100		S1		A6
938	PS110	100∅	.50∅	25A	1.5Δ	3.3	200A	.50∅	70∇	150A		S1		A47
939	PT510	100	.50	100A	1.5	15	100A	.50	100	100A		S1*		
939a	S10	100	.50	80	1.2	15	150	.10	100	25		S1Δ		
939b∅	S10A	100	.50	25		15	25	.05	100	25		S1		A54
939c∅	S71	100	.50	25		15	25	.10	100	25		S1		
939d∅	S251	100	.50	100		60	25	.50	100	100		S1		A54
939e∅	SER100	100	.50	25	1.0		200A	.020	100	25		S1		P5
939f#	SFR151	100	.50∅	55A	2.0	10	100A	5.0	100	150J		S1*		A39

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.



## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
940	SR10	100†	.50		1.5		170	.50				S1		
940a	SD91	100†	.55	50				1.0	100	100		S1		
941	1N1692	100	.60	50A	.60∅	20	115A	.50∅	100	100		S1		DO3
941a∅#	1S121	100	.60	40A	1.3Δ	15	100	.05Δ	100	25A		S1*		A34a
941b#	1S1692	100	.60	50A	.60∅	20	115A	.50Δ	100	100		S1*		
941c#	OY5061	100†	.60	25A		5.0	150J	.01	100	25A		S1*		
942∅#	SJ101F	100	.70∅	25A	1.7*	7.0	120J	.50*	100	120J		S1		A34c
942a#	1G8	100#	.75Δ	50A	1.0	15	165	.30uΔ	100	25		S1*	∅Δ	
943	1N440B	100	.75	50	1.5Δ	15	165A	.3uΔ	100	25		S1		DO3
944	1N537	100	.75	50	.50∅	15	175A	.40∅		150		S1	∅	DO3
946	1N1487	100	.75	25A	.55∅	15	140A	.40∅		125		S1		DO3
946a	1N1556	100	.75∅	100C	1.4Δ		100C	1.0Δ	100	100C		S1*	Δ	
946b	1N1645	100	.75	50A	1.0	15	150A	.40∅	70	150A		S1		A53
947	1N2073	100	.75∅	25A								S1*		A53
948	1N2104	100†	.75	25		10	165A	.30	100	25		S1Δ		A53
948a	1N2610	100	.75	50	1.1Δ	30	175A	.50	100	150A		S1Δ		A31a
948b	1N2859	100	.75	75		40	125A	.40	100			S1		
948c∅#	1S111	100	.75	25A	1.2Δ	15	140	.005Δ	100	25A		S1*		A34a
948d#	1S537	100	.75	50A	.50∅	15	175A	.40Δ	100	150		S1*		
949#	1T2011	100†	.75	50A		15	165J	.72	100	150A		S1		A34a
949a#	1WM1	100†	.75∅	50A	.50∅		115A	1.5	100	125C		S1		
949b	3AI00S	100	.75Δ	100C			150A	.01	100	25		S1	1	
950#	6TB09R	100	.75	50	.60	3600	85S	200	100	75J		Ge*	#	
950a	7MA10	100*	.75∅	75A	.65∅	35	75A	.25∅	100	75A		S1*		
951	10H	100	.75	55	1.0	75	150	1.0	100	25		S1		
951a∅	CER68	100	.75	25	1.2		150A	.20	100	100		S1		
951b∅	CER680	100	.75	25	1.2		150A	.05	100	100		S1		
951c	S81	100	.75	80	1.2	15	150	.02	100	25		S1		
951d∅	S91A	100	.75	25		25	25	1.35	100	25		S1		A54
951e	SD91A	100†	.75	50				.50	100	100		S1		
952#	SX631	100	.75∅	35A	1.5Δ	20	160J	.025	100	100		S1*	∅Δ†#	A26
952a∅	TK10	100†	.75	50	1.1	15		.01	100	25		S1		
952b∅	XS10	100	.75	25		15	25	.10	100	25		S1		A54
953	1N608	100	.80∅	100A	1.6Δ	10	170S	.025Δ	100	25A		S1		DO4
954	1N608A	100	.80∅	100A	1.3Δ	10	170S	.001Δ	100	25A		S1		DO4
954a∅#	3BT1	100†	.80	75A	1.4∅	20	150A	.025	100	25A		S1		S27
954b∅#	3BT2	100†	.80	75A	1.1∅	20	150A	.001	100	25A		S1		S27
955	1N338	100†	1.0∅	150C	2.0		175A	.20∅		150		S1		DO4
956	1N347	100†	1.0∅	150C	2.0		175A	.50∅		150		S1		DO4
957	1N1035	100	1.0	100	1.5		150	.20	100	25		S1		
958	1N1041	100	1.0	100	1.5		150	.20	100	25		S1		
959	1N1047	100	1.0	100	1.5		150	.20	100	25		S1		
959a	1N1551	100	1.0∅	100C	1.4Δ		100C	1.0Δ	100	100C		S1*	Δ#	
960	1N1563	100	1.0∅	25A	1.2	70	175A	.50∅		100		S1Δ		C14
960a	1N1575	100	1.0	125C	1.2	70	150	.50	100	125C		S1		
961	1N2349	100	1.0	150C	1.1			.30		150		S1		
961a∅	1R100	100	1.0	25	1.0		200A	.01	100	25		S1		A9
961b#	1S611	100	1.0∅	65C			150C	1.0Δ	100	25A		S1Δ	1	
961c	2N1596	100	1.0	80C	2.0	15	150C					S1	1	
961d∅	2N1883	100	1.0	100C								S1	1	TO9
961e	3B100S	100†	1.0	100				.01	100	25		S1	1	
961f∅	3R100	100	1.0	25	1.3		200A	.25	100	25		S1		A9
962	AM11	100	1.0	100C	1.25	20	100C	.30	100∅	100C		S1		
962a	BC102	100	1.0	25	1.5	20		.50	100	150		S1	Δ	A21b
963	BY102	100	1.0	150C	.90	25	150	.50	100	150C		S1Δ		DO2
963a	BY112	100	1.0	150C	.80	25	150	.10	100	150C		S1Δ		DO2
963b	BY122	100	1.0	150C	1.0	25	150	1.0	100	150C		S1Δ		DO2
964	CA102BA	100	1.0	25	1.2Δ	15	150A	.30∅	100	150A		S1Δ	∅Δ	
965	CC102BA	100	1.0	25	1.2Δ	15	150A	.30∅	100	150A		S1Δ	∅Δ	
966	CF102BA	100	1.0	25	1.2Δ	15	150A	.30∅	100	150A		S1Δ		
967	CP102BA	100	1.0	25	1.2Δ	15	150A	.30∅	100	150A		S1Δ		
967a∅	ECR100-1	100	1.0	25	1.3	140	200A	.25	100	25		S1		A10
967b∅	EER100-1	100	1.0	25	1.0		200A	.01	100	25		S1		A10

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Conf. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
968	NA11	100	1.0	100	2.0			.30	100	100		S1		S4b
969#	RS31BF	100	1.0	100	1.5	4.0	100	.10	100	25		S1*		
970#	SJ102F	100	1.0	25A	1.7*	3.0	200J	1.5*	100	200J		S1		A34c
970a	TCR1001	100†	1.0	80		15	150A	.10	100	125		S1	1	T05
970b	TCR1005	100†	1.0	125		50	125A					S1	1	
971	TM11	100†	1.0	100C	2.0		125A	.30		100C		S1		
971a	X1RC10	100	1.0	30	1.25	15	125S	3.0	100	30		S1	1	
971b	ZJ203A	100†	1.0	82C			125A					S1	1	
971c	2N1931	100†	1.1	25C			125A					S1	1	
971d	HC68	100	1.1	25	1.2		150A	.20	100	100		S1		
971e	HC680	100	1.1	25	1.2		150A	.05	100	100		S1		
971f	X10B1	100†	1.3	40A	1.1		175A	.50	100	150		S1		
972	1N1053	100	1.5	100	1.5		150	1.5	100	25		S1		
973	1N1115	100	1.5	85C	.65	15	170A	.40		150		S1		DO4
973a	1N1450	100†	1.5	100C	1.0		150C	5.0	100	25		S1		S41a
974	1N1563A	100	1.5	25A	1.2	70	175A	.15		150		S1Δ		C14
975	1N1617	100	1.5	100	1.0		100	5.0	100	25		S1		A52
975a	1N1908	100†	1.5	25		30	200A	.01	100	25		S1Δ		
976	1N2289	100	1.5	25	.60	20	50	.50	100	150		S1Δ		
977	1N2289A	100	1.5	25	.60	20	50	.10	100	150		S1Δ		
977a	1N2391	100	1.5	55A	1.2	35	150A	.30	100	150A		S1Δ	Δ	A32
977b	1N2400	100	1.5	55A	1.2	35	150A	.30	100	150A		S1Δ	Δ	C8
977c	1N2409	100	1.5	55A	1.2	35	150A	.30	100	150A		S1Δ	Δ	C9
977d	1N2418	100	1.5	55A	1.2	35	150A	.30	100	150A		S1Δ	Δ	F8
977e	1S1115	100	1.5	85C	.65	15	170A	.40		150		S1		
977f	2TB02R	100	1.5	50	.45	30	85S	45	100	75J		Ge*	Δ	
978	4JA411A	100	1.5	25	1.0		170A					S1	Δ	
979	CA152BA	100	1.5	55A	1.2	35	150A	.30	100	150A		S1Δ	Δ	A32
980	CC152BA	100	1.5	55A	1.2	35	150A	.30	100	150A		S1Δ	Δ	C8
981	CF152BA	100	1.5	55A	1.2	35	150A	.30	100	150A		S1Δ	Δ	F8
982	CP152BA	100	1.5	55A	1.2	35	150A	.30	100	150A		S1Δ	Δ	C9
983	HR10743	100	1.5	135C	1.5	15	150	.20	100	25		S1Δ		
983a	S2A10	100†	1.5	40A	1.1Δ	58	190J	.50Δ	100	25A		S1Δ		A56Δ
984#	SJ101A	100	1.5	25A	1.7*	7.0	120J	.50*	100	120J		S1	Δ	S30
985#	ZR11	100	1.5	25A	1.0	70	140A	.50	100	100A		S1Δ		A42
986#	ZR11T	100	1.5	25A	1.0	70	140A	.50	100	100A		S1Δ		
987	1N1218	100	1.6	140C	1.0	20	175J	1.5*	100	150J		S1	Δ	A34b
988	1N1218A	100	1.6	140C	1.0	20	175J	.50*	100	150J		S1	Δ	A34b
989	1N1228	100	1.6	140C	1.0	20	175J	1.5*	100	150J		S1	Δ	S25
990	1N1228A	100	1.6	140C	1.0	20	175J	.50*	100	150J		S1	Δ	S25
991	1N1538	100	1.6	140C	1.0	20	175J	.50*	100	150J		S1	Δ	S28
991b*	1110	100†	1.6	25A	.60	15	175J	.50	100	150C	M	S1	Δ	DO1
991c*	2210	100†	1.6	25A	.60	15	175J	1.5	100	150C	M	S1	Δ	S25
991d*	2310	100†	1.6	25A	.60	15	175J	.50	100	150C	M	S1	Δ	DO4
992	1N1085	100	2.0	100	1.0		150	5.0	100	25		S1		F17
993	1N2110	100†	2.0	25		10	165A	.30	100	25		S1Δ		
995#	SJ102A	100	2.3	25A	1.7*	3.0	200J	1.5*	100	200J		S1	Δ	S30
995a	1N2525	100	2.5	150C	1.2	50	150	.50	100	150C		S1Δ		S35
995b	1N2536	100	2.5	150C	1.0	50	150	.10	100	150C		S1Δ		S35
995c	1N2547	100	2.5	150C	1.5	50	150	1.0	100	150C		S1Δ		S35
995d	BY202	100	2.5	150C	1.2	50	150	.50	100	150C		S1Δ		DO4
995e	BY212	100	2.5	150C	1.0	50	150	.10	100	150C		S1Δ		DO4
995f	BY222	100	2.5	150C	1.5	50	150	1.0	100	150C		S1Δ		DO4
996	1N1582	100†	3.0	150C	1.5		175A	.50		150		S1		DO4
997a#	1S601	100	3.0	75C	2.0	25	125C	1.0	100	25C		S1Δ	1	
997b	2N1601	100	3.0	80C	2.0	25	150C					S1	1	
997c	2R100	100	3.0	25	1.0		200A	.01	100	25		S1		S36
997d	4R100	100	3.0	25	1.3		200A	.25	100	25		S1		S36
998	AM17	100	3.0	150C	1.25	40	150C	.50	100	150C		S1		
999	CE302BA	100	3.0	25	1.2Δ	15	150A	.30	100	150C		S1Δ	Δ	
1000	CH302BA	100	3.0	25	1.2Δ	15	150A	.30	100	150C		S1Δ	Δ	
1001	CK302BA	100	3.0	25	1.2Δ	15	150A	.30	100	150C		S1Δ	Δ	
1002	CS302BA	100	3.0	25	1.2Δ	15	150A	.30	100	150C		S1Δ	Δ	

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Conf. Working Voltage (volts)	Max. D. C. Output Current (amps) @T (°C)		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1002a#	D1003	100	3.0	125B	1.5	30	125B	.02Δ	100	25B	T	S1Δ	∅Δ	
1002b#	D1010	100	3.0	125B			.02		100	25C		S1		
1003	HR10671	100	3.0∅	150	1.5		175	.05	100	25		S1Δ		S11a
1005	S51	100	3.0	80	1.3	20	150	.10	100	25		S1		
1010	CK846	100	3.5	30	1.0	20		.002	100	25		S1Δ		
1011	1N1918	100†	4.0	25		30	200A	.01	100	25		S1Δ		
1011a	1N2512	100	4.0	30A		25	165A	.002	100	25		S1Δ		Δ
1011b	1N2518	100	4.0	30A		25	165A	.002	100	25		S1Δ		
1011c∅#	CR4.101A	100	4.0	25A		42.5	100J					S1	1	S32
1012#	SFR105/1	100	4.0∅	25A	.70	120	60A	7.0	100	70J		Ge*	∅	S16a
1013	C10A	100	4.7	60B		150A						S1	1	S17
1013a	C11A	100	4.7	60B		125A						S1	1	S17
1014	1N1059	100	5.0	100	1.5		150	1.5	100	25		S1		
1015	1N1065	100	5.0	100	1.5		150	1.5	100	25		S1		
1016	1N1071	100	5.0	100	1.5		150	1.5	100	25		S1		
1017	1N1089	100	5.0	100	1.5		150	3.0	100	25		S1		
1018	1N1613	100	5.0	25B	1.5	25	175S	1.0	100	150B		S1		
1019	1N2290	100	5.0	25	.60	100	50	.50	100	150		S1Δ		
1020	1N2290A	100	5.0	25	.60	100	50	.20	100	150		S1Δ		
1020a	1N2794	100	5.0	150C	1.25	75	150	5.0	100	150C		S1Δ		DO5
1021	4JA3011A	100	5.0	55A	.32∅	120	85A	10∅		55A		Ge	∅	
1021a#	4TB04R	100	5.0	50	.60	800	85S	100	100	75J		Ge*	Δ∅	
1021b#	11R2	100	5.0	25	.63		165	10	100	150		S1		
1022	AM1005	100	5.0	150C	1.25	75	150C	5.0	100	150C		S1		
1022a	C40A	100	5.0	25			125J					S1	1	S18
1022b#	CR5.101A	100	5.0	25A		42.5	120J					S1	1	S32
1023	NA1005	100	5.0	150	1.25			5.0	100	150		S1		S21c
1024	R10	100	5.0Δ	25A	1.0	50	150A	.20	100	25A		S1Δ	∅Δ	
1025#	RS51AF	100	5.0∅	100	1.3	27.5	100	.10	100	25		S1Δ		
1026	TCR1003	100†	5.0	25C								S1	1	
1030	1N1342	100	6.0∅	150C	1.1∅	150	190J	10*	100	190J		S1	∅	S26Δ
1030a	1N1342A	100	6.0	145B		150		2.5∅	100	150B		S1	∅	DO4Δ
1030b	1N2148	100	6.0	150C	1.2	150	150	.50	100	150C		S1Δ		S35
1030c	1N2148A	100	6.0	150C	1.0	150	150	.10	100	150C		S1Δ		S35
1030d	1N2492	100	6.0	150	1.1		190A	.50∅		150C		S1		
1031	1N2566	100	6.0	150C	1.5	150	150	1.0	100	150C		S1Δ		S35
1031a∅	2N1772	100†	6.0	70B			125A					S1	1	
1031b	6F10	100†	6.0	25			100					S1		S19
1031c	BY702	100	6.0	150C	1.2	150	150	.50	100	150C		S1Δ		DO4
1031d	BY712	100	6.0	150C	1.0	150	150	.10	100	150C		S1Δ		DO4
1031e	BY722	100	6.0	150C	1.5	150	150	1.0	100	150C		S1Δ		DO7
1031f∅	CEC1341A	100	6.0	150B	1.2	150	150	2.5	100	150		S1		DO4
1031g	KS602BA	100	6.0	150C	1.2Δ	60	175C	1.0∅	100	150C		S1Δ	∅Δ	DO4
1031h	NA610	100	6.0	150	1.1	30	150	5.0	100	150		S1		S4c
1031j#	P1006	100∅	6.0∅	125B	1.2Δ	140	150S	3.0Δ	100	125B		S1Δ	∅Δ#	
1032#	SFR105/2	100	6.5∅	25A	.70	120	60A	7.0	100	70J		Ge*	∅	S16a
1033∅	2N1772A	100†	7.0	115B			150A					S1	1	
1033a∅#	CR8.101A	100	8.0	25A		85	100J					S1	1	S32
1034#	SX751	100	8.0	65A	1.0Δ	150	150S	.50	100	150		S1Δ	∅Δ†#	S16
1035#	ZR21	100	8.0	25A	1.2	70	140A	.50	100	100A		S1Δ		S39Δ
1037	1N249	100†	10∅	150C	1.5		175A	5.0∅		150		S1		DO5Δ
1038	1N1621	100	10	100	1.25		100	5.0	100	25		S1		S43
1039	1N2248	100	10	25	.60	200	50	1.0	100	150		S1Δ		
1040	1N2248A	100	10	25	.60	200	50	.50	100	150		S1Δ		
1041	1N2249	100	10	25	.60	200	50	1.0	100	150		S1Δ		
1042	1N2249A	100	10	25	.60	200	50	.50	100	150		S1Δ		
1043	4JA3511A	100	10	55A	.52	100	175A	5.0∅	100	200J		S1	∅	
1043a∅	10CR100	100	10	25	1.0	100	200A	10	100	25		S1		C8a
1043b∅	10ER100	100	10	25	1.0	100	200A	1.0	100	25		S1		C8a
1044	AG1012	100	10	150C	1.5	150	150C	1.0	100	150C		S1		DO4
1045	AM1010	100	10	150C	1.25	150	150C	5.0	100	150C		S1		
1045a	C36A	100†	10	55B	1.25	125	100A	12.5				S1	1	S18
1046#	CR10.101A	100	10	25A		85	120J					S1	1	S32

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION						
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.			
			(amps)	@T (°C)													
1046a	NCR100D	100	10	25				10	100	100							S18
1047#	P1010	100∅	10∅	125B	1.1Δ	230	150S	3.0Δ	100	125B			S1Δ	∅Δ#			
1048	S10	100∅	10Δ	25A	1.0	100	150A	.020	100	25A			S1Δ	∅Δ			
1048a∅#	SCR53	100	10	25	1.25	120	100						S1	1			S40
1049*#	SCR963	100	10	25	1.25	120	100	12.5	100	25			S1	1			C5
1050*#	SL901A	100	10∅	30A	1.45*	66	150J	3.0	100	150			S1	∅			S31
1051	TCR1010	100†	10	25C									S1	1			
1053	TCR102	100†	10∅	100C		150	125A						S1	1			
1053a∅#	THP802	100	10	25			125A						S1				
1054	X10RC10	100†	10	30	1.25	125	100A	25	100	30			S1	1			S18a
1055	1N1200	100	12∅	150C	.65∅	200	190J	10*	100	190J	F		S1	∅			S27Δ
1055a	1N1200A	100	12	145B		240		2.5∅	100	150B			S1	∅			DO4Δ
1056a	1N2577	100	12	150C	1.2	250	150	1.0	100	150C			S1Δ				S35
1056b	1N2588	100	12	150C	1.0	250	150	.20	100	150C			S1Δ				S35
1056c	1N2599	100	12	150C	1.5	250	150	2.0	100	150C			S1Δ				S35
1056d#	2WM1	100†	12∅	135C	.70∅	150		10	100	150C			S1				
1056e*	10J3P	100†	12	100A	1.2		100A	5.0	100	25A			S1				S23Δ
1056f	12F10	100†	12	25			100						S1				S19
1056g	B444	100	12		1.2	60	175	2.0	100	150			Δ				DO4
1056h	BY802	100	12	150C	1.2	250	150	1.0	100	150C			S1Δ				DO4
1056j	BY812	100	12	150C	1.0	250	150	.20	100	150C			S1Δ				DO4
1056k	BY822	100	12	150C	1.5	250	150	2.0	100	150C			S1Δ				DO4
1057	NA1210	100	12	150C	1.1		200A	5.0	100	150C			S1				S4c
1058	TM19	100†	12	150C	1.2	60	190A	2.0∅		150			S1				
1058a	US123BA	100	12	150C	1.2Δ	130	175C	3.0∅	100	150C			S1Δ	∅Δ			DO4
1058b∅#	VA713D	100†	13∅	35A	.50	140	55A	50	100	35			Ge	∅Δ†#			S37
1058c#	OA251	100†	14Δ	100		200	150	4.0Δ	50	150			S1*				
1059	1N1077	100	15	100	1.5		150	20	100	25			S1				
1059a∅	1N3209	100†	15∅	150	1.5	250	175A	1.0	100	25			S1				S21b
1059b∅#	3M10	1005	15	110B	1.05∅	300	140B	5.0	100	130B			S1				
1059c#	4TB08R	100	15	50	.60	800	85S	100	100	75J			Ge*	Δ∅			
1060	10Q3	100	15	100	1.5	150	150	20	100	25			S1				
1060a	MR313	100	15	150	1.2	250	175	1.0Δ	100	25			S1Δ				S21bΔ
1060b	MR323	100	15	150	1.2	25	175	1.0Δ	100	25			S1Δ				DO5Δ
1061#	R1015	100∅	15∅	125B	1.2Δ	350	150S	3.0Δ	100	125B			S1Δ				
1061a∅	2N683	100†	16	80B	.86	150	125A	6.5∅	100	125J	N		S1	1			S18
1062∅	2N1844	100	16	25B			100A						S1	1			S18
1062a	NCR100E	100	16	25				10	100	125			S1	1			S18
1062b	X16RC10	100	16	30	.90∅	125	105	6.5∅		30A			S1	1			S18a
1063	1N1302	100	17.5	150B	.63∅	300	200A	5.0∅		150			S1				
1064	1N1192	100	18∅	140C	.75	200	190J	10*	100	190J			S1	∅			S29
1064a	DA10	100	18∅	190J	.75	200	190J	10*	100	190J			S1	∅			
1064b	2010	100†	19∅	25A	.60∅	200	175J	1.0∅	100	150C	M		S1Δ	∅Δ#			DO4Δ
1064c∅	B210	100	19	25A	.60			1.0	100	125C			S1	∅			
1065	1N249A	100†	20∅	150C	1.5		175A	5.0∅		150			S1				DO5Δ
1066	1N249B	100	20∅	150	1.5			5.0∅		150	A		S1				DO5Δ
1067	1N1158	100	20	100	1.25		100	25	100	25			S1				M25
1068	1N1172	100	20	100	1.25		100	25	100	25			S1				M25
1069	1N2273	100	20	25	.60		50	1.0	100	150			S1				M25
1069a	1N2447	100	20	150B	1.1	300	175B	5.0∅	100	150B			S1Δ	∅Δ			DO5Δ
1070∅	10R3P	100†	20	100A	1.25		100A	25	100	25			S1				S47Δ
1070a∅	20CR100	100	20	25	1.0	140	200A	10	100	25			S1				C8a
1070b∅	20ER100	100	20	25	1.0	140	200A	1.0	100	25			S1				C8a
1071	AM1020	100	20	150C	1.25	300	150C	5.0	100	150C			S1				
1073	DS203BA	100	20	150B	1.1	300	175B	5.0∅	100	150B			S1Δ	∅Δ			DO 5
1074	DT203BA	100	20	150B	1.1	300	175B	5.0∅	100	150B			S1Δ	∅Δ			DO 5
1075#	R1020	100∅	20∅	125B	1.1Δ	450	150S	3.0Δ	100	125B			S1Δ	∅Δ#			
1076∅#	S5B10	100†	20∅	40A	1.1Δ	360	190J	2.5Δ	100	25A			S1*	#			S50Δ
1077	T10	100∅	20Δ	25A	1.0	250	150A	.200	100	25A			S1Δ	∅Δ			
1077a	TCR1020	100†	20	25C									S1	1			
1078	TR100	100†	20	100C	2.0		175A	10∅		100C			S1				
1079∅#	VA719D	100†	20∅	35A	.50	210	55A	50	100	35			Ge	∅Δ†#			S37
1079a∅#	ZR51	100	20	65A	1.2	360	140A	2.0	100	100A			S1Δ	Δ			

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1080	1N2295	100	22∅	40A	1.1Δ	160	135B	10Δ	100	165A		S1Δ		S13Δ
1082	1N2303	100	22∅	40A	1.1Δ	160	135B	10Δ	100	165A		S1Δ		S14Δ
1083#	3WM1	100†	23∅	115C	.80∅		100	10	100	125C		S1		
1085	1N2155	100	25	145B	.60∅	300	200A	4.5∅		145B		S1*	∅	DO5Δ
1086	CS120A	100†	25	150C	.50	350	200S	5.0∅	100	150C		S1		DO 5
1087a	2110	100†	26∅	25A	.60∅	200	175J	1.0∅	100	150C	M	S1Δ	∅Δ#	DO4Δ
1087b∅	B310	100	26	25A	.60			1.0	100	125C		S1	∅	
1088	1N1435	100	30	25B	1.2	250	175S	5.0	100	150B		S1		
1089	1N2459	100	30	150B	1.1	450	175B	5.0∅	100	150B		S1Δ	∅Δ	DO5Δ
1090	DS303BA	100	30	150B	1.1	450	175B	5.0∅	100	150B		S1Δ	∅Δ	DO 5
1091	DT303BA	100	30	150B	1.1	450	175B	5.0∅	100	150B		S1Δ	∅Δ	DO 5
1092#	ZR31	100	30	25A	1.2	360	140A	2.0	100	100A		S1Δ		S38
1092a	3110	100†	34∅	25A	.60∅	200	175J	2.0∅	100	150C	M	S1Δ	∅Δ#	DO5Δ
1093	1N1162	100	35	100	1.25		100	40	100	25		S1		M24
1094	1N1176	100	35	100	1.25		100	40	100	25		S1		M24
1095	1N1184	100	35∅	140C	.60	500	190J	20*	100	190J	M	S1	∅	S29Δ
1095a	1N1458	100*	35∅	190J	1.1*	900	190J	20*	100	190J		S1*	∅Δ#	Δ
1096	1N2311	100	35∅	40A	1.1Δ	300	135B	20Δ	100	165A		S1Δ		S13Δ
1098	1N2319	100	35∅	40A	1.1Δ	300	135B	20Δ	100	165A		S1Δ		S14Δ
1101	10S3P	100†	35	100A	1.25	350	100A	40	100	25A		S1		S44Δ
1102a	EA10	100	35∅	190J	.60	500	190J	20*	100	190J		S1	∅	
1102c	NA1035	100	35∅	150C	1.5		175A	5.0	100	150		S1		S21c
1103	TR103	100	35∅	150C	1.5		175A	5.0∅		150		S1		
1103a#	G5C50	100†	39∅	25A	.27∅		70	20∅	100†	25		Ge*	∅Δ#	F18
1104	4JA6211A	100	41	35A	1.0	500	100A	25∅	100	150J		S1	∅	
1104a#	6WM1	100	42∅	125C	.60∅		100	20	100	125C		S1		
1104b	3210	100†	45∅	25A	.60∅	600	175J	2.0∅	100	150C	M	S1Δ	∅Δ#	DO5Δ
1104c∅	B510	100	45	25A	.60			2.0	100	125C		S1	∅	
1105	1N412B	100†	50∅	150C	1.5		175A	15∅		150		S1		S54
1106∅	1N412B/A	100	50	150C	1.5		175A	15∅	100	150		S1		S55Δ
1106a∅	1N412B/B	100	50	150C	1.5		175A	15∅	100	150		S1		M28Δ
1106b∅	1N412B/C	100	50	150C	1.5		175A	15∅	100	150		S1		M29Δ
1107	1N2427	100	50	150B	1.1Δ	950	175B	10∅	100	150B		S1Δ	∅Δ	DO8Δ
1107a∅#	6A10	100†	50	60B	1.05∅	900	140B	10	100	130B		S1		S29
1107b∅	10A12P	100†	50	150C	1.2			.005	100	150C		S1	∅	Δ
1107c*	10T3P	100†	50	100A	1.2		100A	60	100	25		S1		S45Δ
1107d	C60A	100	50	87B			150A					S1	1	
1107e	CH116A	100	50	150C		500	150C	20	100	150C	T	S1		DO5
1108	FS503BA	100	50	150B	1.1Δ	950	175B	10∅	100	150B		S1Δ	∅Δ	DO8
1109	FT503BA	100	50	150B	1.1Δ	950	175B	10∅	100	150B		S1Δ	∅Δ	DO8
1109a∅#	S8B10	100†	50∅	40A	1.1Δ	1100	190J	6.3Δ	100	25A		S1*	#	S51Δ
1109b∅	TCR1050	100†	50	90C								S1	1	
1110	4JA6011A	100	53	35A	1.1	500	100A	25∅	100	150J		S1	∅	
1110a#	9WM1	100	55∅	25A	.70∅		100	30	100	150C		S1		
1110b*	1N2129	100	60	130B	.90		190B	10	100	140B		S1	Δ	DO5Δ
1110c*	1N2129A	100	60	180B	.90		140B	10	100	175B		S1	Δ	DO5Δ
1110d∅#	25H10	100†	60	180B	1.05∅	900	190B	10	100	175B		S1		S21a
1110e	3310	100†	60∅	25A	.60∅	600	175J	2.0∅	100	150C	M	S1Δ	∅Δ#	DO5Δ
1111#	RS81AF	100	60∅	100	1.2	600	100	50	100	25		S1*		
1111a#	S1006	100∅	60∅	125B	1.0Δ	1400	150S	5.0Δ	100	125B		S1Δ		
1112#	ZR31C	100	60	120J	1.2	150	110B	.50	100	100A		S1Δ		
1113#	ZR31F	100	60	120J	1.2	150	110B	.50	100	100A		S1Δ		
1113a	1N1397	100	70∅	150C	1.2∅	1200	190J	30*	100	190J		S1	∅	S14b
1113b	1N2437	100	70	150B	1.1	1200	175B	10∅	100	150B		S1Δ	∅Δ	DO8Δ
1114	4JA60A	100	70	150B	1.1	900	200J	60∅	100	200J		S1		Δ
1116	4JA62A	100	70	100B	1.1	900	150J	60	100	150J		S1		Δ
1117∅	C50A	100†	70	65B	.80	1000	125A	6.5∅	100	125J		S1	1	S17a
1119*	CH109A	100	70	150	1.3	1500	150	15∅	100	150		S1		S53
1120	FS703BA	100	70	150B	1.1	1200	175B	10∅	100	150B		S1Δ	∅Δ	DO8
1121	FT703BA	100	70	150B	1.1	1200	175B	10∅	100	150B		S1Δ	∅Δ	DO8
1122#	11R4	100	75	25	1.5		150	100	100	150		S1		
1122a∅	CH118A	100	80	150	1.3	1500	150	25	100	150		S1		S8e
1122b	4010	100†	90∅	25A	.60∅	1200	175J	5.0∅	100	150C		S1Δ	∅Δ#	DO8Δ

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SEE FOLD-OUT BACK COVER

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
			(amps)	@T (°C)										
1123	1N1166	100	100	100	1.25		100	100	100	25		S1		
1124	1N1180	100	100	100	1.25		100	100	100	25		S1		
1126	10V3P	100†	100	100A	1.25		100A	100	100	25		S1		S45Δ
1128	10W3P	100	100	100	1.25		100	100	100	25		S1		S45Δ
1129	U10	100∅	100	25A	1.0	1000	150A	2.0	100	25A		S1Δ	∅Δ	
1129a∅#	ZR41	100	100	25A	1.2	1200	140A	10	100	100A		S1Δ		M18Δ
1129b∅	2N1911	100†	110	59B	.80	1000	125A	6.5∅	100	125J		S1	1	
1129c∅	C55A	100†	110	59B	.80	1000	125A	6.5∅	100	125J		S1	1	
1130	4110	100†	120∅	25A	.60∅	1200	175J	5.0∅	100	150C		S1Δ	∅Δ#	DO8Δ
1130b#	S1AN125	100	120∅	125B	.55∅		125B	30∅	80	125B		S1*	∅Δ#	F19Δ
1130c*	5010	100†	135∅	25A	.60∅	3000	175J	5.0∅	100	150C		S1Δ	∅Δ#	Δ
1131	1N1264	100	150	100	1.25		100	100	100	25		S1		
1132	1N1268	100	150	100	1.25		100	100	100	25		S1		
1133∅	1N3085	100	150∅	130B	.60∅	500	200S	40	100	175B		S1		S8Δ
1133a∅#	45L10	100†	150	150B	1.05∅	3000	190B	40	100	175B		S1		S8
1133b	45LB10	100†	150∅	95B	.90∅		130B	10∅	100	130B		S1		S8CΔ
1134	45M10	100	150∅	130B	.60∅	500	200S	40∅	100	175B		S1		Δ
1135	45P10	100	150∅	130B	.60∅	500	200S	40∅	100	175B		S1		S8aΔ
1135a	45TB10	100†	150∅	95B	.90∅		130B	10∅	100	130B		S1		M3Δ
1136	1N1272	100	160∅	190J	.60	2000	190J	40*	100	190J		S1	∅	S14c
1137	1N1282	100	160∅	190J	.60	2000	190J	40*	100	190J		S1	∅	S14g
1138	1N1292	100	160∅	190J	.60	2000	190J	40*	100	190J		S1	∅	S8e
1138a	1N1466	100*	160∅	120C	1.3Δ	3000	190J	40*	100	190J		S1*	∅Δ#	Δ
1139	1N1661	100	160∅	125C	.60	2000	190J	40*	100	190J		S1	∅	S14d
1139a∅	15A12P	100†	160	125C	1.2			.04	100	125C		S1	∅	Δ
1140	160E10	100*	160∅	120C	1.3Δ	3000	190J	40*	100	190J		S1	∅Δ#	Δ
1140a	5110	100†	160∅	25A	.60∅	3000	175J	5.0∅	50	150C		S1Δ	∅Δ#	Δ
1140b#	S1EN200	100	175∅	125B	.55∅		125B	40∅	80	125B		S1*	∅Δ#	F20
1140c	1N1264A	100	200	100	1.25		100	100	100	25		S1		
1141	1N1268A	100	200	100	1.25		100	100	100	25		S1		
1143	10X3P	100	200	100	1.25		100	100	100	25		S1		F46Δ
1144∅#	S16B10	100†	200∅	40A	1.1Δ	4700	190J	25Δ	100	25A		S1*	#	M26Δ
1145	W10	100∅	200	25A	1.0	2000	150A	5.0	100	25A		S1Δ	∅Δ	
1145a#	7TB03W	100	210	30	.60	3600	85S	200	100	75J		Ge*	†	
1145b	1N2055	100	225∅	135B	.55∅	2000	200S	40∅	100	175B		S1		DO7
1147	1N1331	100	240∅	125C	.60∅	3000	190J	50*	100	190J		S1	∅	
1148	1N1377	100	240∅	125C	.60∅	3000	190J	50*	100	190J		S1	∅	S14h
1149	1N1671	100	240∅	125C	.60∅	3000	190J	50*	100	190J		S1	∅	S14f
1149a∅	16A12P	100†	240	125C	1.2		150C	.05	100	125C		S1	∅	Δ
1150	240E10	100*	240∅	190J	1.2Δ	4000	190J	50*	100	190J		S1	∅Δ#	Δ
1150a	240F10	100*	240∅	190J	1.2Δ	4000	190J	50*	100	190J		S1	∅Δ#	Δ
1150c	439B	100†	240	125C		3000		50	100	190J		S1		S14e
1150e	10Y3P	100	250	100	1.25		100	100	100	25		S1		S46Δ
1150f	70TB10	100	250	80B	.80		130B	10∅	100	130B		S1	4	M3Δ
1150g∅#	70U10	100†	250	30B	1.05∅	4500	190B	55	100	175B		S1		S8b
1150h	70UB10	100	250	80B	.80		130B	10∅	100	130B		S1	4	S8cΔ
1150i∅	10G3N	100†	350	100	1.2			120	100	25		S1		
1150j	1N1478	100*	400∅	190J	1.2Δ	8000	190J	75*	100	190J		S1*	∅Δ#	Δ
1150k	400E10	100*	400∅	190J	1.2Δ	8000	190J	75*	100	190J		S1*	∅Δ#	Δ
1150m	D10	100∅	400	25A	1.0	4000	150A	10	100	25A		S1Δ	∅Δ	
1151∅	WR100	100	500	25A	1.25	3.3	200	.10	100	100		S1		
1151a∅	10ZB	100†	1000	100	1.2		100A	120	100	25		S1		
1151b	CDE2178	105∅	1.0	150	1.1	18	150	.30	150	150	T	S1*		
1151c	CDE2350	105∅	1.0	150	1.1	18	150	.30	150	150	T	S1*		
1151d	CDE2186	105∅	3.0	150	1.5	60	150	5.0	150	150	T	S1*		
1151e	CDE5091C	105∅	3.0	150	1.0	18	150	5.0	150	150	T	S1*		
1151f	CDE1343	105∅	6.0	150	1.25	60	150	5.0	150	150	T	S1*		
1151g	CDE2196	105∅	6.0	150	1.25	60	150	5.0	150	150	T	S1*		
1151h	CDE5051C	105∅	6.0	150	1.2	50	150	5.0	150	150	T	S1*		
1151i	CDE210C	105∅	10	150	1.5	250	150	5.0	150	150	T	S1*		
1151j	CDE1201	105∅	12	150	1.25	120	150	5.0	150	150	T	S1*		
1151k	CDE2206	105∅	12	150	1.25	120	150	5.0	150	150	T	S1*		
1151l	1N1193A	105∅	22	150	1.2		150B	5.0	150	175C		S1		DO5

SEE FOLD-OUT BACK COVER

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
1151m	1N1185A	105	40	150	1.1		150B	5.0	150	175C		S1		DO5
1151n	9A13P	106	5.0	150C	1.5	50	150C	1.0	106	150C	T	S1Δ	Δ#	Δ
1151o	7B13P	106	12	150C	1.5	120	150C	1.0	106	150C	T	S1Δ	Δ#	Δ
1151p	6B13P	106	20	150C	1.5	200	150C	5.0	106	150C	T	S1Δ	Δ#	S12Δ
1153#	Ge025E	110	.25	35A	.20	3.0	65J	.60	200	65J	T	Ge		
1154	1N249C	110	20	150C		350	175C	3.6	110	150C	T	S1Δ		DO5Δ
1159#	Ge100E	110	100	35A	.25	1500	65J	100*	200	65J	T	Ge	#	
1160#	SD120	120	.030	25			150	.0001	120	25A		S1		
1160a	TA1064	120	.05	400	1.0		400A	1.0		400	D	GaAs		A40
1161#	VA713C	120	13	35A	.50	140	55A	50	120	35		Ge	Δ#	S37
1161a	VA719C	120	20	35A	.50	210	55A	50	120	35		Ge	Δ#	S37
1161b	WX809B	120	50	90B	.75	1000	125J					S1	1	S17a
1161c	6RS20PH6RGD1	130	.065	25	12.5		85A	.40	135	25				M19
1161d	19PB16	132	.015	55				.075	80	25		Se		
1161e	25PB16	132	.03	55				.175	80	25		Se		
1161f	28PB16	132	.04	55				.225	80	25		Se		
1161g	CDE1124	140	1.0	150	1.1	18	150	.30	200	150	T	S1*		
1161h	CDE2179	140	1.0	150	1.1	18	150	.30	200	150	T	S1*		
1161i	CDE1583	140	3.0	150	1.5	60	150	.50	200	150	T	S1*		
1161j	CDE2187	140	3.0	150	1.5	60	150	5.0	200	150	T	S1*		
1161k	CDE5091D	140	3.0	150	1.0	18	150	5.0	200	150	T	S1*		
1161l	CDE1344	140	6.0	150	1.25	60	150	5.0	200	150	T	S1*		
1161m	CDE2197	140	6.0	150	1.25	60	150	5.0	200	150	T	S1*		
1161n	CDE5051D	140	6.0	150	1.2	50	150	5.0	200	150	T	S1*		
1161o	CDE210D	140	10	150	1.5	250	150	5.0	200	150	T	S1*		
1161p	CDE250	140	10	150	1.5	250	150	5.0	200	150	T	S1*		
1161q	CDE1202	140	12	150	1.25	120	150	5.0	200	150	T	S1*		
1161r	CDE2207	140	12	150	1.25	120	150	5.0	200	150	T	S1*		
1162#	VA713B	140	13	35A	.50	140	55A	50	140	35		Ge	Δ#	S37
1162a	VA719B	140	20	35A	.50	210	55A	50	140	35		Ge	Δ#	S37
1162b	1N1194A	140	22	150	1.2		150B	5.0	200	175C		S1		DO5
1162c	1N1186A	140	40	150	1.1		150B	5.0	200	175C		S1		DO5
1162d	9A14P	142	5.0	150C	1.5	50	150C	1.0	142	150C	T	S1Δ	Δ#	Δ
1162e	7B14P	142	12	150C	1.5	120	150C	1.0	142	150C	T	S1Δ	Δ#	Δ
1162f	1N484TH	150	.025	150		15	25	.03	150	150		S1		A54
1163#	1S121	150	.05	150A	1.0	1.0	150A	1.0	150	25A		S1Δ		
1176	AM415	150	.15	150	1.2		150	.30	150	150		S1		
1177	1N2015	150	.20	150A	1.5		175A	.50		150		S1		
1177a	1N3074	150	.20	150A	1.5		175A	.001	150	25		S1		
1177b	AJ15	150	.20	150A	1.0		175A	.002	150	25		S1		A19
1178	CD1124	150	.20	25		2.5	200A	.10	105	100A		S1		
1178a	MC015	150	.20	25	1.0	1.0	200J	.015	150	100A	T	S1Δ		A2a
1178b	SC103	150	.20	150C			175A	.20	150	150C		S1Δ		A21c
1179	AM015	150	.25	25A		3.3	150A	.10	105	100A		S1*		
1181	PS015	150	.25	25A		3.3	200A	.10	105	100A		S1		A46
1182#	RS22AF	150	.25	100	1.3	2.0	100	.10	150	25		S1*		
1182a	S46	150	.25	25		20	25	.01	150	25		S1		A54
1183	1N601	150	.30	100A	1.4	10	170S	.025	150	25A		S1		DO1
1184	1N601A	150	.30	100A	1.4	10	170S	.001	150	25A		S1		DO1
1184a	1S90	150	.30	75	1.15	10	170S	.30	150	150J		S1Δ		Δ
1184b	B297	150	.50	100A	1.5	20		.50	150	100A		S1Δ		A6a
1184c	EER150-2	150	.50	25	1.0		200A	.020	150	25		S1		A11
1185	PA315	150	.30	100	1.5	15	100	.50	150	100		S1		
1186	PS415	150	.40	25A		3.3	200A	.50	105	150A		S1		A46
1187	1N1030	150	.50	100	1.5		150	.20	150	25		S1		A53
1188	NL15	150	.50	100	1.5			1.0		100		S1		A6
1189	PS115	150	.50	25A	1.5	3.3	200A	.50	105	150A		S1		A47
1190	PT515	150	.50	100A	1.50	15	100A	.50	150	100A		S1*		
1190a	SER150	150	.50	25	1.0		200A	.020	150	25		S1		P5
1191	SR15	150	.50		1.5		170	.50				S1		
1191a	1N1646	150	.75	50A	1.0	15	150A	.30	105	150A		S1		A53
1192	1N2074	150	.75	25A								S1*		A53
1192a	1S100	150	.75	75	1.15	20	170S	.50	150	150J		S1Δ		Δ

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1193	3A150S	150	.75Δ	100C			150A	.01	150	25		S1	1	
1194	1N609	150	.80Ø	100A	1.6Δ	10	170S	.025Δ	150	25A		S1		DO4
1195	1N609A	150	.80Ø	100A	1.3Δ	10	170S	.001Δ	150	25A		S1		DO4
1197	1N1036	150	1.0	100	1.5		150	.20	150	25		S1		
1198	1N1042	150	1.0	100	1.5		150	.20	150	25		S1		
1199	1N1048	150	1.0	100	1.5		150	.20	150	25		S1		
1199a	1N2950	150	1.0	150C	1.1			.30		150		S1		
1200Ø	1R150	150	1.0	25	1.0		200A	.01	150	25		S1		A9
1200bØ	2N1884	150	1.0	100C								S1	1	TO9
1200c	3B150S	150†	1.0	100				.01	150	25		S1	1	
1200dØ	3R150	150	1.0	25	1.3		200A	.25	150	25		S1		A9
1200fØ	ECR150-1	150	1.0	25	1.3	140	200A	.25	150	25		S1		A10
1200gØ	EER150-1	150	1.0	25	1.0		200A	.01	150	25		S1		A10
1200h	GJ6M	150	1.0Ø	25A	1.0	6.0	90J					Ge	Ø	S33
1201#	RS32BF	150	1.0Ø	100	1.5	4.0	100	.10	150	25		S1*		
1201a	TCR1505	150†	1.0	125		50	125A					S1	1	
1201b	X1RC15	150	1.0	30	1.25Ø	15	125S	3.0	150	30		S1	1	
1201cØ	ZJ203G	150†	1.0	82C			125A					S1	1	
1201dØ	2N1932	150†	1.1	25C			125A					S1	1	
1202	1N1054	150	1.5	100	1.5		150	1.5	150	25		S1		
1203	1N1219	150	1.6Ø	140C	1.0Ø	20	175J	1.5*	150	150J		S1	Ø	A34b
1204	1N1219A	150	1.6Ø	140C	1.0Ø	20	175J	.50*	150	150J		S1	Ø	A34b
1205	1N1229	150	1.6Ø	140C	1.0Ø	20	175J	1.5*	150	150J		S1	Ø	S25
1206	1N1229A	150	1.6Ø	140C	1.0Ø	20	175J	.50*	150	150J		S1	Ø	S25
1207	1N1539	150	1.6Ø	140C	1.0Ø	20	175J	.50*	150	150J		S1	Ø	S28
1208Ø	2R150	150	3.0	25	1.0		200A	.01	150	25		S1		S36
1209Ø#	3CC11	150	3.0Ø	75	1.15	90	170S	1.5	150	150J		S1Δ		Δ
1209aØ	4R150	150	3.0	25	1.3		200A	.25	150	25		S1		S36
1209bØ#	CR4.151A	150	4.0	25A		42.5	100J					S1	1	S32
1210	C10G	150	4.7	60B			150A					S1	1	S17
1210a	C11G	150	4.7	60B			125A					S1	1	S17
1214	1N1060	150	5.0	100	1.5		150	1.5	150	25		S1		
1215	1N1066	150	5.0	100	1.5		150	1.5	150	25		S1		
1216	1N1072	150	5.0	100	1.5		150	1.5	150	25		S1		
1216a	1N2795	150	5.0	150C	1.25	75	150	5.0	150	150C		S1Δ		DO5
1217	AM1505	150	5.0	150C	1.25	75	150C	5.0	150	150C		S1		
1217a	C40G	150	5.0	25			125J					S1	1	S18
1217b#	CR5.151A	150	5.0	25A		42.5	120J					S1	1	S32
1218	NA1505	150	5.0	150	1.25			5.0	150	150		S1		S21c
1219	R15	150	5.0Δ	25A	1.0	50	150A	.20	150	25A		S1Δ	ØΔ	
1220#	RS52AF	150	5.0Ø	100	1.3	27.5	100	.10	150	25		S1Δ		
1221	TCR1503	150†	5.0	25C								S1	1	
1222	N1343	150	6.0Ø	150C	1.1Ø	150	190J	10*	150	190J		S1	Ø	ΔS26
1223	1N1343A	150	6.0	145B		150		2.25Ø	150	150B		S1	Ø	ΔDO4
1224Ø	2N1773	150†	6.0	70B			125A					S1	1	
1225Ø#	6CC11	150	6.0Ø	75	1.15	200	170S	2.0	150	150J		S1Δ		Δ
1225b	6F15	150†	6.0	25			100					S1		S19
1225c	KS602CA	150	6.0	150C	1.2Δ	60	175C	1.0Ø	150	150C		S1Δ	ØΔ	DO4
1225d	NA615	150	6.0	150	1.1	30	150	5.0	150	150		S1		S4c
1225eØ	2N1773A	150†	7.0	115B			150A					S1	1	
1225fØ#	CR8.151A	150	8.0	25A		85	100J					S1	1	S32
1225g	1N2021	150†	10Ø	150C	1.5		175A	5.0Ø		150		S1		
1225hØ#	10CC11	150	10Ø	75	1.15	250	170S	5.0	150	150J		S1Δ	Ø	Δ
1225iØ	10CR150	150	10	25	1.0	100	200A	10	150	25		S1		C8a
1225kØ	10ER150	150	10	25	1.0	100	200A	1.0	150	25		S1		C8a
1226	AG1512	150	10	150C	1.5	150	150C	1.0	150	150C		S1		
1227	AM1510	150	10	150C	1.25	150	150C	5.0	150	150C		S1		
1227a	C36G	150†	10	55B	1.25	125	100A	6.5				S1	1	S18
1227b#	CR10.151A	150	10	25A		85	120J					S1	1	S32
1228	NA1510	150	10	150	1.25			5.0	150	150		S1		S21c
1229	NCR150D	150	10	25				10	150	100		S1	1	S18
1230	S15	150Ø	10Δ	25A	1.0	100	150A	.020	150	25A		S1Δ	ØΔ	
1230aØ#	SCR54	150	10	25	1.25	120	100					S1	1	S40

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.



## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
1230b**	SCR964	150	10	25	1.25	120	100	6.5	150	25		S1	1	C5
1231	TCR152	150†	10	100C		150	125A					S1	1	
1232	TCR1510	150†	10	25C								S1	1	
1233	THP803	150	10	25			125A					S1		
1236	X10RC15	150†	10	30	1.25	125	100A	13	150	30		S1	1	S18a
1237	1N1201	150	12	150C	.65	200	190J	10*	150	190J	F	S1	∅	S27Δ
1237a	1N1201A	150	12	145B				2.25	150	150B		S1	∅	DO4Δ
1237b	12F15	150†	12	25			100					S1		S19
1237c	NA1215	150	12	150C	1.1		200A	5.0	150	150C		S1		S4c
1237d	US123CA	150	12	150C	1.2Δ	130	175C	3.0	150	150C		S1Δ	∅Δ	DO4
1238	1N1078	150	15	100	1.5		150	20	150	25		S1		
1238a	3M15	150†	15	110B	1.05	300	140B	5.0	150	130B		S1		
1239	15Q3	150	15	100	1.5		150	20	150	25		S1		
1241	2N684	150†	16	80B	.86	150	125A	6.5	150	125J	N	S1	1	S18
1241a	2N1845	150	16	25B			100A					S1	1	S18
1241b	NCR150E	150	16	25				10	150	125		S1	1	S18
1241c	X16RC15	150	16	30	.90	125	105	6.5		30A		S1	1	S18a
1242	1N1193	150	18	140C	.75	200	190J	10*	150	190J		S1	∅	S29
1242a	DA15	150	18	190J	.75	200	190J	10*	150	190J		S1	∅	
1242b	2015	150†	19	25A	.60	200	175J	1.0	150	150C	M	S1Δ	∅#Δ	DO4Δ
1242c	1N2448	150	20	150B	1.1	300	175B	5.0	150	150B		S1Δ	∅Δ	DO5Δ
1243	20CR150	150	20	25	1.0	140	200A	10	150	25		S1		C8a
1243a	20ER150	150	20	25	1.0	140	200A	1.0	150	25		S1		C8a
1244	AM1520	150	20	150C	1.25	300	150C	5.0	150	150C		S1		
1245	DS203CA	150	20	150B	1.1	300	175B	5.0	150	150B		S1Δ	∅Δ	DO5
1246	DT203CA	150	20	150B	1.1	300	175B	5.0	150	150B		S1Δ	∅Δ	DO5
1247	NA1520	150	20	150	1.25			5.0	150	150		S1		S21c
1249	T15	150	20	25A	1.0	250	150A	.20	150	25A		S1Δ	∅Δ	
1249a	TCR1520	150†	20	25C								S1	1	
1250	TR150	150†	20	100C	2.0		175A	10		100C		S1		
1251	TR152	150†	20	150C	1.5		175A	5.0		150		S1		
1252	1N2296	150	22	40A	1.1Δ	160	135B	10Δ	150	165A		S1Δ		S13Δ
1254	1N2304	150	22	40A	1.1Δ	160	135B	10Δ	150	165A		S1Δ		S14Δ
1255	25CC11	150	25	75	1.15	500	170S	25	150	150J		S1Δ	∅	Δ
1257b	2115	150†	26	25A	.60	200	175J	1.0	150	150C	M	S1Δ	∅#Δ	DO4Δ
1257c	1N2460	150	30	150B	1.1	450	175B	5.0	150	150B		S1Δ	∅Δ	DO5Δ
1258	DS303CA	150	30	150B	1.1	450	175B	5.0	150	150B		S1Δ	∅Δ	DO5
1259	DT303CA	150	30	150B	1.1	450	175B	5.0	150	150B		S1	∅Δ	DO5
1259a	3115	150†	34	25A	.60	200	175J	2.0	150	150C	M	S1Δ	∅Δ#	DO5Δ
1261	1N1185	150	35	140C	.60	500	190J	20*	150	190J		S1	∅	S29Δ
1262	1N1680	150	35	125B	.50	500	190B	40	150	175B		S1		
1263	1N2312	150	35	40A	1.1Δ	300	135B	20Δ	150	165A		S1Δ		S13Δ
1265	1N2320	150	35	40A	1.1Δ	300	135B	20Δ	150	165A		S1Δ		S14Δ
1266	EA15	150	35	190J	.60	500	190J	20*	150	190J		S1	∅	
1266b	NA1535	150	35	150C	1.5		175A	5.0	150	150		S1		S21c
1267	TR153	150	35	150C	1.5		175A	5.0		150		S1		
1267a	3215	150†	45	25A	.60	600	175J	2.0	150	150C	M	S1Δ	∅Δ#	DO5Δ
1267c	1N2428	150	50	150B	1.1Δ	950	175B	10	150	150B		S1Δ	∅Δ	DO8Δ
1267d	6A15	150†	50	60B	1.05	900	140B	10	150	130B		S1		S29
1267e	10A13P	150†	50	150C	1.2			.005	150	150C		S1	∅	Δ
1267f	50CC11	150	50	75	1.15	1000	170S	30	150	150J		S1Δ	∅	Δ
1267g	C60G	150	50	87B			150A					S1	1	
1268	FS503CA	150	50	150B	1.1Δ	950	175B	10	150	150B		S1Δ	∅Δ	DO8
1269	FT503CA	150	50	150B	1.1Δ	950	175B	10	150	150B		S1Δ	∅Δ	DO8
1270	TH152B	150†	50	150C	1.5		175A	15		150		S1		S54
1270a	TH152B/A	150†	50	150C	1.5		175A	15	150	150		S1		S55Δ
1270b	TH152B/B	150†	50	150C	1.5		175A	15	150	150		S1		M28Δ
1270c	TH152B/C	150†	50	150C	1.5		175A	15	150	150		S1		M29Δ
1270d	1N2130	150	60	130B	.90		190B	10	150	140B		S1	Δ	DO5Δ
1270e	1N2130A	150	60	180B	.90		140B	10	150	175B		S1	Δ	DO5Δ
1270f	25H15	150†	60	180B	1.05	900	190B	10	150	175B		S1		S21a
1270g	3315	150†	60	25A	.60	600	175J	2.0	150	150C	M	S1Δ	∅Δ#	DO5Δ
1271	RS82AF	150	60	100	1.2	600	100	50	150	25		S1*		

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SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1271a	1N1398	150	70	150C	1.2	1200	190J	30*	150	190J	S1	∅	S14b	
1271b	1N2438	150	70	150B	1.1	1200	175B	10	150	150B	S1Δ	∅Δ	D08Δ	
1272	4JA60G	150	70	150B	1.1	900	200J	50	150	200J	S1		Δ	
1274	4JA62G	150	70	100B	1.1	900	150J	50	150	150J	S1		Δ	
1275	C50G	150†	70	65B	.80	1000	125A	6.5	150	125J	S1	1	S17a	
1277	FS703CA	150	70	150B	1.1	1200	175B	10	150	150B	S1Δ	∅Δ	D08	
1278	FT703CA	150	70	150B	1.1	1200	175B	10	150	150B	S1Δ	∅Δ	D08	
1278a	4015	150†	90	25A	.60	1200	175J	5.0	150	150C	S1Δ	∅Δ#	D08Δ	
1278b	100CC11	150	100	75	1.15	2000	170S	100	150	150J	S1Δ		Δ	
1279	U15	150	100	25A	1.0	1000	150A	2.0	150	25A	S1Δ	∅Δ		
1279a	2N1912	150†	110	59B	.80	1000	125A	6.5	150	125J	S1	1		
1279b	C55G	150†	110	59B	.80	1000	125A	6.5	150	125J	S1	1		
1279c	4115	150†	120	25A	.60	1200	175J	5.0	150	150C	S1Δ	∅Δ#	D08Δ	
1279d	5015	150†	135	25A	.60	3000	175J	5.0	150	150C	S1Δ	∅Δ#	Δ	
1280	45L15	150	150	130B	.60	500	200S	40	150	175B	S1		S8Δ	
1280a	45LB15	150†	150	95B	.90		130B	10	150	130B	S1		S8CΔ	
1281	45M15	150	150	130B	.60	500	200S	40	150	175B	S1		Δ	
1282	45P15	150	150	130B	.60	500	200S	40	150	175B	S1		S8AΔ	
1282a	45TB15	150†	150	95B	.90		130B	10	150	130B	S1		M3Δ	
1282b	6TC16R	150	155	35	.60	3600	85S	200	150	75J	Ge*	#		
1283	1N1273	150	160	190J	.60	2000	190J	40*	150	190J	S1	∅	S14c	
1284	1N1283	150	160	190J	.60	2000	190J	40*	150	190J	S1	∅	S14g	
1285	1N1293	150	160	190J	.60	2000	190J	40*	150	190J	S1	∅	S8e	
1286	1N1662	150	160	125C	.60	2000	190J	40*	150	190J	S1	∅	S14d	
1286a	15A13P	150†	160	125C	1.2			.04	150	125C	S1	∅	Δ	
1286b	5115	150†	160	25A	.60	3000	175J	5.0	50	150C	S1Δ	∅Δ#	Δ	
1286c	6TC09R	150	170	35	.60	3600	85S	200	150	75J	Ge*	#		
1286d	200CC11	150	200	75	1.15	5000	170S	130	150	150J	S1Δ		Δ	
1287	W15	150	200	25A	1.0	2000	150A	5.0	150	25A	S1Δ	∅Δ		
1287a	7TC03W	150	205	30	.60	3600	85S	200	150	75J	Ge*	†		
1287b	1N2056	150	225	135B	.55	2000	200S	40	150	175B	S1		D07	
1289	1N1332	150	240	125C	.60	3000	190J	50*	150	190J	S1	∅		
1290	1N1378	150	240	125C	.60	3000	190J	50*	150	190J	S1	∅	S14h	
1291	1N1672	150	240	125C	.60	3000	190J	50*	150	190J	S1	∅	S14f	
1291a	16A13P	150†	240	125C	1.2		150C	.05	150	125C	S1	∅	Δ	
1291b	439C	150†	240	125C		3000		50	150	190J	S1	∅	S14e	
1291c	70TB15	150	250	80B	.80		130B	10	150	130B	S1	4	M3Δ	
1291d	70U15	150†	250	130B	1.05	4500	190B	55	150	175B	S1		S8b	
1291e	70UB15	150	250	80B	.80		130B	10	150	130B	S1	4	S8cΔ	
1292	D15	150	400	25A	1.0	4000	150A	10	150	25A	S1Δ	∅Δ		
1294	Ge025F	160	.25	35A	.20	3.0	65J	.60	300	65J	T	Ge		
1295	S101F	160	.60	50A	.60	5.0	140J	.80*	300*	140J	T	S1		
1296	S103F	160	2.5	50A	.60	75	140J	1.5	300*	140J	T	S1		
1296a	GEX542	160	6.0	35A	.55	80	65J	15	160	70	T	Ge†	∅Δ†#	S16
1296b	S111F	160	10	50A	.60	300	140J	3.0*	300*	140J	T	S1		
1297	VA713A	160†	13	35A	.50	140	55A	50	160	35	T	Ge	∅Δ†#	S37
1297a	S121F	160	20	50A	.60	600	140J	6.0*	300*	140J	T	S1		
1297b	VA719A	160†	20	35A	.50	210	55A	50	160	35	T	Ge	∅Δ†#	S37
1297c	S141F	160	90	50A	.65	1300	140J	10*	300*	140J	T	S1	#	
1297d	Ge100F	160	100	35A	.25	1500	65J	70*	300	65J	T	Ge	#	
1297e	S191F	160	200	50A	.65	4000	140J	20*	300*	140J	T	S1	#	
1300	HR10211	175	.15	25		1.5	150	200	200	25		S1		
1301	HR10251	175	.20	25		2.0	150	200	200	25		S1		
1301a	9A15P	177	5.0	150C	1.5	50	150C	1.0	177	150C	T	S1Δ	∅Δ#	Δ
1301b	7B15P	177	12	150C	1.5	120	150C	10	177	150C	T	S1Δ	∅Δ#	Δ
1301c	6B15P	177	20	150C	1.5	200	150C	5.0	177	150C	T	S1Δ	∅Δ#	S12Δ
1301d	4B15P	177	35	140C	1.7	500	140C	10	177	140C	T	S1Δ	∅Δ#	S12Δ
1301e	8B15P	177	70	150C	1.2	1200	150C	15	177	150C	T	S1Δ	∅Δ#	S12Δ
1301f	MP13	180	2.5	40	.95	62	160J	20*	250	160J	S1Δ			
1301g	TH083	180	8.0	40	.95	100	160J	15*	250	160J	S1Δ			
1301h	TH203	180	17	40	.95	230	160J	20*	250	160J	S1Δ			
1301j	WX809C	180†	50	90B	.75	1000	125J				S1	1	S17a	
1301k	TH803	180	70	40	.95	800	160J	30*	250	160J	S1Δ			

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
1302	1N254	190†	.40∅	135	2.0		175A	.10∅		150	M	S1		DO4
1302a	44PA6	198	.05	55	12		90	.550	20	25		Se		
1303#	SD200	200	.022	25			150	.0001	200	25A		S1		
1303a∅	1N485TH	200	.025	150		15	25	.03	200	150		S1		A54
1303b∅	PS2413	200	.04	25	2.0		150A	5.0	200	25		S1	4	C15
1303c	1N881	200	.05	25	.60			.02	140	25		S1		
1303d#	1TD06	200	.075	50	.55	5.0	85S	7.0	200	75J		Ge*		
1304	1N92	200†	.10	55	.19∅	25	95A	.95∅		55		Ge*	∅	DO3
1305	1N361	200	.10	100	2.0		200	.25∅		100		S1		A53
1306	1N368	200†	.10	85		10	65A					Ge		
1306a	1N870	200	.10	25	.60			.02	140	25		S1		DO2
1306b∅	S202	200	.10	25		15	25	.10	200	25		S1		A54
1306c∅	TSW201A	200	.10	25	2.0		125A	.05	200	125		S1	1	TO18
1306d	1N361A	200	.15	100	.60			.12	200	150		S1		
1306e	1N859	200	.15	25	.60			.02	140	25		S1		A21
1307	1N1703	200	.15∅	100A	.90Δ	8.0	175S	.30∅	200	100A		S1		A53
1307a	AM420	200	.15	150	1.2		150	.30∅	200	150		S1		
1307b∅	CER69A	200	.15	25	1.2		150A	.20	200	100		S1		
1307c∅	CER690A	200	.15	25	1.2		150A	.05	200	100		S1		
1307d	S92	200	.15	80	.90	25	150	2.7	200	25		S1		A53
1308	1N1709	200	.175∅	150A	.85Δ	10	175S	.30∅	200	150A		S1		
1309	1N337	200†	.20∅	150C	2.0		175A	.10∅		150		S1		DO4
1310	1N346	200†	.20∅	150C	2.0		175A	.50∅		150		S1		DO4
1311	1N678	200†	.20∅	25	1.0	3.0	175A	.20∅		150		S1		A53
1312	1N848	200	.20	25	.60			.02	140	25		S1		A21
1312a	1N2016	200	.20	150A	1.5		175A	.50∅		150		S1		
1313∅	1N3075	200†	.20	150A	1.5		175A	.001	200	25		S1		
1313a	AJ20	200†	.20∅	150A	1.0		175A	.002	200	25		S1		A19
1314	AM23	200	.20	100C	1.25	8.0	100C	.30	200∅	100C		S1		
1314a	CD1125	200	.20	25		2.5	200A	.10∅	140	100A		S1		
1314b∅	MC020	200	.20	25	1.0	1.0	200J	.015	200	100A	T	S1Δ		A2a
1315	NA23	200	.20	100	2.0			.30	200	100		S1		S4b
1315a∅	S45	200	.20	25		15	25	.20	200	25		S1		
1315c	S92	200	.20	85A	1.5	5.0	85A	1.0	200	85A		S1		
1315d	SC104	200	.20	150C		175A	.20		200	150C		S1Δ		A21c
1317	TM23	200†	.20∅	100C	2.0		125A	.30∅		100C		S1		
1317a∅	TSW201S	200†	.20	75	1.2	1.0	150A	.02	200	125		S1	1	TO18
1318	1N318	200	.25	100	2.0		200	.30∅		100		S1		A53
1318a	1N318A	200	.25	100	.60			.12	200	150		S1		DO2
1318b	1N1101	200	.25	150A	1.5Δ	15	165A	.20	200	150		S1		
1319	AM020	200	.25∅	25A		3.3	150A	.10∅	140	100A		S1*		
1319a	AS3	200†	.25	150A	1.0		175A	.40		150		S1		A19
1319b∅	CER69B	200	.25	25	1.2		150A	.20	200	100		S1		
1319c∅	CER690B	200	.25	25	1.2		150A	.05	200	100		S1		
1320	PS020	200∅	.25∅	25A		3.3	200A	.10∅	140∅	100A		S1		A46
1321#	RS23AF	200	.25	100	1.3	2.0	100	.10	200	25		S1*		
1321a	S92H	200	.25	85A	1.5	5.0	85A	.50	200	85A		S1		
1321b∅	S217	200	.25	25		25	25	.50	200	25		S1		A54
1321c∅	S222	200	.25	150		15	25	.30	200	150		S1		A54
1322	1N441	200	.30	100	1.5Δ	15	150A	.75uΔ	200	25		S1		DO3
1323	1N531	200	.30	100			150A	7.5u	200	25		S1		A23
1324	1N602	200	.30∅	100A	1.4Δ	10	170S	.025Δ	200	25A		S1		DO1
1325	1N602A	200	.30∅	100A	1.1Δ	10	170S	.001Δ	200	25A		S1		DO1
1325a∅#	1S91	200	.30∅	75	1.15	10	170S	.30	200	150J		S1Δ		Δ
1325b∅#	3DS1	200†	.30	70A	1.4∅	20	150A	.025	200	25A		S1		A6a
1325c∅#	3DS2	200†	.30	70A	1.1∅	20	150A	.001	200	25A		S1		A6a
1325d#	12J2	200	.30	100A	.50		100	.30	200	100		S1		
1326	PA320	200	.30	100	1.5	15	100	.50	200	100		S1		
1327	HR10423	200	.35∅	100	1.3	5.0	150	.01	200	150		S1Δ		
1328	1N325	200	.40	100	2.0		200	.30∅		100		S1		A53
1328a	1N325A	200	.40	100	.60			.12	200	150		S1		DO2
1329	1N336	200†	.40∅	150C	2.0		175A	.10∅		150		S1		DO4
1330	1N345	200†	.40∅	150C	2.0		175A	.50∅		150		S1		DO4

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1331	1N679	200†	.40∅	25	1.0	5.0	175A	.20∅		150	T	S1		A53
1331a#	2M4	200	.40	25A	1.0	3.0	150A	.20uΔ	200	25A		S1*	Δ	
1332	4SS20	200	.40	150C	2.0		175	.05	200	150		S1		DO4
1334	AM22	200	.40	100C	1.25	10	100C	.30	200∅	100C		S1		
1335	NA22	200	.40	100	2.0			.30	200	100		S1		S4b
1336	NA25	200	.40	150	2.0			.05	200	150		S1		S4b
1337	PS420	200∅	.40∅	25A		3.3	200A	.50∅	140∇	150A		S1		A46
1338	TM22	200†	.40∅	100C	2.0		125A	.30∅		100C		S1		
1339	1N152	200†	.50	55		25	95A					GeΔ	∅	
1340	1N551	200	.50	100A	1.5Δ		150A	.001	200	25		S1		
1341	1N1031	200	.50	100	1.5		150	.20	200	25		S1		A53
1342	1N1082	200	.50	100	1.5		150	2.0	200	25		S1		A53
1343	1N1253	200	.50	25A	1.0		165A	.50	200	125A		S1*		A53
1344	1N2082	200	.50	25	.75	15	50	.35	200	25		S1Δ		A53
1345	1N2092	200	.50	85	.50	15	100	.25	200	85		S1Δ	Δ	M21
1345a	1N2848	200	.50	150C	.05	15	165A	.30∅	200	150C		S1*		
1345b	AS13	200†	.50∅	150C	1.0			.50∅		150		S1		S10
1345c∅	B298	200	.50	100A	1.5	20		.50∅	200	100A		S1Δ		A6a
1345d	BB103	200†	.50	150C	.90	15	165S	.50	200	150		S1	3	A20
1345e	BB113	200†	.50	150C	.80	15	165S	.10	200	150		S1	3	A20
1345f	BB123	200†	.50	150C	1.0	15	165S	1.0	200	150		S1	3	A20
1345g	BD103	200†	.50	150C	.90	15	165S	.50	200	150		S1	3	A20
1345h	BD113	200†	.50	150C	.80	15	165S	.10	200	150		S1	3	A20
1345i	BD123	200†	.50	150C	1.0	15	165S	1.0	200	150		S1	3	A20
1345j	BE103	200†	.50	150C	.90	15	165S	.50	200	150		S1	3	A20
1345k	BE113	200†	.50	150C	.80	15	165S	.10	200	150		S1	3	A20
1345l	BE123	200†	.50	150C	1.0	15	165S	1.0	200	150		S1	3	A20
1345m∅	CEC2050	200Δ	.50	100A	1.2	60		.50Δ	200	100A		S1		A41
1345n∅	CER69C	200	.50	25	1.2		150A	.20	200	100		S1		
1345p∅	CER690C	200	.50	25	1.0		150A	.05	200	100		S1		
1345q∅#	D25C	200*	.50	25A	.60∅			.15	200	125A		S1		
1345r∅	DR200	200	.50	25	1.0		200	.10	200	100		S1		A1
1346	E200	200	.50	100	.50	15	100	.50	200	100		S1Δ	Δ	
1346a∅	EER200-2	200	.50	25	1.0		200A	.020	200	25		S1		A11
1347	NL20	200	.50	100	1.5			1.0∅		100		S1		A6
1348	PS120	200∅	.50∅	25A	1.5Δ	3.3	200A	.50∅	140∇	150A		S1		A47
1349	PT520	200	.50	100A	1.5	15	100A	.50	200	100A		S1		
1350	S17	200	.50	80	1.2	15	150	.20	200	25		S1Δ		
1350a∅	S17A	200	.50	25		15	25	.05	200	25		S1		A54
1350b∅	S101	200	.50	85		38.2	25	.50	200	85		S1		A54
1350c∅	S252	200	.50	100		60	25	.50	200	100		S1		A54
1350d∅	SER200	200	.50	25	1.0		200A	.020	200	25		S1		P5
1350e#	SFR152	200	.50∅	55A	2.0	10	100A	5.0	200	150J		S1*		A39
1351	SR20	200†	.50		1.5		170	.50				S1		
1351a	TK21	200†	.50	150A	1.0	15	200A	.005	200	25		S1		
1351b∅	UT234	200	.50	150	.60			.30	200	150		S1		A60
1351c∅#	ZS72	200	.50	75A	1.2	35	150A	.15	200	100A		S1Δ		A43
1351d	SD92	200†	.55	50				1.0	200	100		S1		
1352	1N1693	200	.60	50A	.60∅	20	115A	.50∅	200	100		S1		DO3
1352a∅#	1S122	200	.60	40A	1.3Δ	15	100	.05Δ	200	25A		S1*		A34a
1352b#	1S1693	200	.60	50A	.60∅	20	115A	.50Δ	200	100		S1*		
1352c#	OY5062	200†	.60	25A		5.0	150J	.01	200	25A		S1*		
1352d	X5A2	200†	.625	100A	.92	50	130A	.20∅	200	100	D	S1Δ		A36
1353∅	X5M2	200†	.625	100	.92	50	130A				D	S1Δ		S41
1354#	2TD23	200	.70	50	.45	30	85S	45	200	75J		Ge*		
1354a∅#	SJ201F	200	.70∅	25A	1.7*	7.0	120J	.50*	200	120J		S1		A34c
1355	1N441B	200	.75	50	1.5Δ	15	165A	.75uΔ	200	25		S1		DO3
1356	1N538	200	.75	50	.50∅	15	175A	.30∅		150	M	S1	∅	DO1
1358	1N1488	200	.75	25A	.55∅	15	140A	.30∅		125		S1		DO3
1358a	1N1557	200	.75∅	100C	1.4Δ		100C	1.0Δ	200	100C		S1*	Δ	
1358b	1N1647	200	.75	50A	1.0	15	150A	.30∅	140	150A		S1		A53
1359	1N2069	200†	.75Δ	25	.60	25	100	.20	200	100A		S1Δ		A3c
1360	1N2075	200	.75∅	25A								S1*		A53

SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
1361	1N2105	200†	.75	25		10	165A	.30	300	25		S1Δ		A53
1361a	1N2482	200	.75	55	1.0		150	1.0	200	25		S1		A51
1361b	1N2485	200	.75	55	1.0		150	1.0	200	25		S1		A6b
1361c	1N2611	200	.75	50	1.1Δ	30	175A	.50	200	150A		S1Δ		A31a
1361d	1N2860	200	.75	75		40	125A	.40	200			S1		
1361e∅	1N3193	200†	.75Δ	75A			100A	.01	200	25A		S1Δ		A50
1361f#	1S001	200	.75	50A	1.0∅	15	150A	.01Δ	200	25A		S1Δ		
1361g∅#	1S101	200	.75∅	75	1.15	20	170S	.50	200	150J		S1Δ		Δ
1361h∅#	1S112	200	.75	25A	1.2Δ	15	140	.005Δ	200	25A		S1*		A34a
1361j#	1S538	200	.75	50A	.50∅	15	175A	.40Δ	200	150		S1*		
1362#	1T2012	200†	.75	50A		15	165J	.72	200	150A		S1		A34a
1362a#	1WM2	200†	.75∅	50A	.50∅		115A	1.5	200	125C		S1		
1362b#	2G8	200#	.75Δ	50A	1.0	15	165	.75uΔ	200	25		S1*	∅Δ	
1363	3A200S	200	.75Δ	100C			150A	.01	200	25		S1	1	
1364	7MA20	200*	.75∅	75A	.65∅	35	75A	.25∅	200	75A		S1*	∅Δ	
1364a	BC203	200	.75	25	2.8	15		.50	200	150		S1	Δ	A21b
1364b	CER69	200	.75	25	1.2	6.0	100	.20	1.2	100		S1Δ	Δ	
1364c	CER690	200	.75	25	1.0	8.0	150	.05	1.0	100		S1Δ	Δ	
1364d∅	DI52	200†	.75Δ	25	1.1	25	100	.010	200	25A		S1	∅	A38b
1365	S82	200	.75	80	1.2	15	150	.02	200	25		S1		
1365a∅	S92A	200	.75	25		25	25	.95	200	25		S1		A54
1365b	SD92A	200†	.75	50				.50	200	100		S1		
1365c∅	TK20	200†	.75	50	1.1	15		.01	200	25		S1		
1365d∅	UT242	200	.75	150	.75			.30	200	150		S1		A60
1365e∅	XS17	200	.75	25		15	25	.10	200	25		S1		A54
1365f∅	XS17A	200	.75	25		15	25	.05	200	25		S1		A54
1366	1N610	200	.80∅	100A	1.6Δ	10	170S	.025Δ	200	25A		S1		DO4
1367	1N610A	200	.80∅	100A	1.3Δ	10	170S	.001Δ	200	25A		S1		DO4
1367a∅#	3DT1	200†	.80	75A	1.4∅	20	150A	.025	200	25A		S1		S27
1367b∅#	3DT2	200†	.80	75A	1.1∅	20	150A	.001	200	25A		S1		S27
1368	1N1037	200	1.0	100	1.5		150	.20	200	25		S1		
1369	1N1043	200	1.0	100	1.5		150	.20	200	25		S1		
1370	1N1049	200	1.0	100	1.5		150	.20	200	25		S1		
1370a	1N1552	200	1.0∅	100C	1.4Δ		100C	1.0Δ	200	100C		S1*	∅	
1371	1N1564	200	1.0∅	25A	1.2	70	175A	.50∅		100		S1Δ		
1371a	1N1576	200	1.0	125C	1.2	70	150	.50	200	125C		S1		
1371b	1N2027	200†	1.0∅	100C	2.0		175A	.30∅		100C		S1		S4b
1371c∅	1R200	200	1.0	25	1.0		200A	.01	200	25		S1		A9
1371d#	1S612	200	1.0∅	65C			150C	1.0Δ	200	25A		S1Δ	1	
1371e	2N1597	200	1.0	80C	2.0	15	150C					S1	1	
1371f∅	2N1885	200	1.0	100C								S1	1	TO9
1371g#	2TD02R	200	1.0	50	.45	30	85S	.45	200	75J		Ge*	Δ	
1371h	3B200S	200†	1.0	100				.01	200	25		S1	1	
1372∅	3R200	200	1.0	25	1.3		200A	.25	200	25		S1		A9
1374	AM21	200	1.0	100C	1.25	20	100C	.30	200∅	100C		S1		
1375	AM24	200	1.0	150C	1.25	20	150C	.50	200∅	150C		S1		
1375a	BC103	200	1.0	25	1.5	20		.50	200	150		S1	Δ	A21b
1375b	BY103	200	1.0	150C	.90	25	150	.50	200	150C		S1Δ		DO2
1375c	BY113	200	1.0	150C	.80	25	150	.10	200	150C		S1Δ		DO2
1375d	BY123	200	1.0	150C	1.0	25	150	1.0	200	150C		S1Δ		DO2
1376	CA102DA	200	1.0	25	1.2Δ	15	150A	.30∅	200	150A		S1Δ	∅Δ	
1377	CC102DA	200	1.0	25	1.2Δ	15	150A	.30∅	200	150A		S1Δ	∅Δ	
1378	CF102DA	200	1.0	25	1.2Δ	15	150A	.30∅	200	150A		S1Δ		
1379	CP102DA	200	1.0	25	1.2Δ	15	150A	.30∅	200	150A		S1Δ		
1379a∅	CS122B	200†	1.0	25A	1.2∅	20		.75	200	150A	T	S1		A59
1379b∅	ECR200-1	200	1.0	25	1.3	140	200A	.25	200	25		S1		A10
1379c∅	EER200-1	200	1.0	25	1.0		200A	.01	200	25		S1		A10
1379d#	GJ3M	200	1.0∅	25A	1.0	8.0	70J					Ge	∅	S33
1380	NA21	200	1.0	100	2.0			.30	200	100		S1		S4b
1382#	RS33BF	200	1.0∅	100	1.5	4.0	100	.10	200	25		S1*		
1382a#	S11-200	200	1.0∅	135	1.5	30	200S	.20	200	25		S1		A34c
1383∅#	SJ202F	200	1.0∅	25A	1.7*	3.0	200J	1.5*	200	200J		S1		
1383a∅	TCR2001	200†	1.0	80		15	150A	.10	200	125		S1	1	TO5

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SEE FOLD-OUT BACK COVER

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION						
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.			
1383b	TCR2005	200†	1.0	125													
1384Ø	TI116	200	1.0	80C	2.0		125A										
1385Ø	UT252	200	1.0	150	.75		150C										
1385a	X1RC20	200	1.0	30	1.25Ø	15	125S	2.5	200	150							
1385bØ	ZJ203B	200†	1.0	82C			125A										
1385cØ	2N1933	200†	1.1	25C			125A										
1385dØ	HC69	200	1.1	25	1.2		150A	.20	200	100							
1385eØ	HC690	200	1.1	25	1.2		150A	.05	200	100							
1385fØ	S229	200	1.2	25		45	25	.20	200	25							A54
1385gØ	X10B2	200†	1.3	40A	1.1		175A	.50	200	150							
1386	1N1055	200	1.5	100	1.5		150	1.5	200	25							
1387	1N1116	200	1.5	85C	.65Ø	15	170A	.30Ø		150							DO4
1387aØ	1N1451	200†	1.5	100C	1.0		150C	5.0	200	25							S41a
1388	1N1564A	200	1.5Ø	25A	1.2	70	175A	.15Ø		150							C14
1389	1N1618	200	1.5	100	1.0		100	5.0	200	25							A52
1389a	1N1909	200†	1.5	25		30	200A	.01	200	25							
1390	1N2291	200	1.5	25	.60	20	50	.50	200	150							
1391	1N2291A	200	1.5	25	.60	20	50	.10	200	150							
1393	1N2392	200	1.5	55A	1.2	35	150A	.30Ø	200	150A			S1Δ	ØΔ			A32
1394	1N2401	200	1.5	55A	1.2	35	150A	.30Ø	200	150A			S1Δ	ØΔ			C8
1395	1N2410	200	1.5	55A	1.2	35	150A	.30Ø	200	150A			S1Δ	ØΔ			C9
1396	1N2419	200	1.5	55A	1.2	35	150A	.30Ø	200	150A			S1Δ	ØΔ			F8
1396aØ#	1S1116	200	1.5	85C	.65Ø	15	170A	.30Ø		150				S1			
1397	4JA411B	200	1.5	25	1.0		170A							S1	Ø		
1397a	CA152DA	200	1.5	55A	1.2	35	150A	.30Ø	200	150A			S1Δ	ØΔ			A32
1397b	CC152DA	200	1.5	55A	1.2	35	150A	.30Ø	200	150A			S1Δ	ØΔ			C8
1397c	CF152DA	200	1.5	55A	1.2	35	150A	.30Ø	200	150A			S1Δ	ØΔ			F8
1397d	CP152DA	200	1.5	55A	1.2	35	150A	.30Ø	200	150A			S1Δ	ØΔ			C9
1398	HR10745	200	1.5Ø	135C	1.5	15	150	.20	200	25				S1Δ			
1398aØ#	S2A20	200†	1.5Ø	40A	1.1Δ	58	190J	.50Δ	200	25A				S1Δ			A56Δ
1398bØ	S236	200	1.5	25		55	25	.20	200	25				S1			A54
1399#	SJ201A	200	1.5Ø	25A	1.7*	7.0	120J	.50*	200	120J				S1	Ø		S30
1400#	ZR12	200	1.5	25A	1.0	70	140A	.50	200	100A				S1Δ			A42
1401#	ZR12T	200	1.5	25A	1.0	70	140A	.50	200	100A				S1Δ			
1402	1N1220	200	1.6Ø	140C	1.0Ø	20	175J	1.5*	200	150J				S1	Ø		A34b
1403	1N1220A	200	1.6Ø	140C	1.0Ø	20	175J	.50*	200	150J				S1	Ø		A34b
1404	1N1230	200	1.6Ø	140C	1.0Ø	20	175J	1.5*	200	150J				S1	Ø		S25
1405	1N1230A	200	1.6Ø	140C	1.0Ø	20	175J	.50*	200	150J				S1	Ø		S25
1406	1N1540	200	1.6Ø	140C	1.0Ø	20	175J	.50*	200	150J				S1	Ø		S28
1406b*	1120	200†	1.6Ø	25A	.60Ø	15	175J	.50Ø	200	150C	M			S1	ØΔ		DO1
1406c*	2220	200†	1.6Ø	25A	.60Ø	15	175J	1.5Ø	200	150C	M			S1	ØΔ		S25
1406d*	2320	200†	1.6Ø	25A	.60Ø	15	175J	.50Ø	200	150C	M			S1	ØΔ		DO4
1407	1N1086	200	2.0	100	1.0		150	5.0	200	25				S1			F17
1408	1N2111	200†	2.0	25		10	165A	.30	200	25				S1Δ			
1409Ø	S35	200	2.0	25		20	25	.10	200	25				S1			S48
1409aØ	UT262	200	2.0	150	.75			.30	200	150				S1			A60
1410#	SJ202A	200	2.3Ø	25A	1.7*	3.0	200J	1.5*	200	200J				S1	Ø		S30
1410a	1N2526	200	2.5	150C	1.2	50	150	.50	200	150C				S1Δ			S35
1410b	1N2537	200	2.5	150C	1.0	50	150	.10	200	150C				S1Δ			S35
1410c	1N2548	200	2.5	150C	1.5	50	150	1.0	200	150C				S1Δ			S35
1410d	BY203	200	2.5	150C	1.2	50	150	.50	200	150C				S1Δ			DO4
1410e	BY213	200	2.5	150C	1.0	50	150	.10	200	150C				S1Δ			DO4
1410f	BY223	200	2.5	150C	1.5	50	150	1.0	200	150C				S1Δ			DO4
1411	1N1124	200†	3.0Δ	50		25	150	.01	200	25A				S1Δ			DO4Δ
1413	1N1583	200†	3.0Ø	150C	1.5		175A	.50Ø		150				S1			
1414a#	1S401	200	3.0Ø	50A		25	150A	.01Δ	200	25A				S1Δ	Δ		
1414b#	1S602	200	3.0Ø	75C	2.0	25	125C	1.0	200	25C				S1Δ	1		
1414d	2N1602	200	3.0	80C	2.0	25	150C							S1	1		
1414eØ	2R200	200	3.0	25	1.0		200A	.01	200	25				S1			S36
1414fØ#	3DC11	200	3.0Ø	75	1.15	90	170S	1.5	200	150J				S1Δ			Δ
1414gØ	4R200	200	3.0	25	1.3		200A	.25	200	25				S1			S36
1414h	AA20	200	3.0	150B	.50	20	175J	.010	200	25				S1Δ			
1415	AM27	200	3.0	150C	1.25	40	150C	.50	200Ø	150C				S1			

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1416	CE302DA	200	3.0	25	1.2Δ	15	150A	.30∅	200	150C		S1Δ	∅Δ	
1417	CH302DA	200	3.0	25	1.2Δ	15	150A	.30∅	200	150C		S1Δ	∅Δ	
1418	CK302DA	200	3.0	25	1.2Δ	15	150A	.30∅	200	150C		S1Δ	∅Δ	
1419	CS302DA	200	3.0	25	1.2Δ	15	150A	.30∅	200	150C		S1Δ	∅Δ	
1419a#	D2003	200	3.0	125B	1.5	30	125B	.02Δ	200	25B	T	S1Δ	∅Δ	
1419b#	D2010	200	3.0	125B				.02	200	25C		S1		
1420	HR10673	200	3.0∅	150	1.5		175	.05	200	25		S1Δ		S11a
1422	S52	200	3.0	80	1.3	20	150	.10	200	25		S1		
1423∅	TI136	200	3.0	80C	2.0		150C					S1	1	
1424#	XB8C	200†	3.0	50B	2.0						T	S1Δ	1	
1424a∅	1N1124A	200	3.3	50				.01	200	25	N	S1		
1425#	3TD04R	200	3.5	50	.55	800	85S	100	200	75J		Ge*	Δ∅	
1428	CK847	200	3.5	30	1.0	20		.002	200	25		S1Δ		
1428a	1N1919	200†	4.0	25		30	200A	.01	200	25		S1Δ		
1428b	1N2513	200	4.0	300		25	165A	.002	200	25		S1Δ	Δ	
1428c	1N2519	200	4.0	300		25	165A	.002	200	25		S1Δ		
1428d∅#	CR4.201A	200	4.0	25A		42.5	100J					S1	1	S32
1428e	C10B	200	4.7	60B			150A					S1	1	S17
1428f	C11B	200	4.7	60B			125A					S1	1	S17
1429	1N1061	200	5.0	100	1.5		150	1.5	200	25		S1		
1430	1N1067	200	5.0	100	1.5		150	1.5	200	25		S1		
1431	1N1073	200	5.0	100	1.5		150	1.5	200	25		S1		
1432	1N1090	200	5.0	100	1.5		150	3.0	200	25		S1		
1433	1N1614	200	5.0	25B	1.5	25	175S	1.0	200	150B	M	S1		
1434	1N2230	200	5.0	25	.60	100	50	.50	200	150		S1Δ		
1435	1N2230A	200	5.0	25	.60	100	50	.35	200	150		S1Δ		
1436	1N2231	200	5.0	25	.60	100	50	.50	200	150		S1Δ		
1437	1N2231A	200	5.0	25	.60	100	50	.35	200	150		S1Δ		
1437a	1N2796	200	5.0	150C	1.25	75	150	5.0	200	150C		S1Δ		DO5
1438	4JA3011B	200	5.0	55A	.32∅	120	85A	10∅		55A		Ge	∅	
1438a#	12R2	200	5.0	25	.63		165	5.0	200	150		S1		
1439	AM2005	200	5.0	150C	1.25	75	150C	5.0	200	150C		S1		
1439a	C40B	200	5.0	25			125J					S1	1	S18
1439b#	CR5.201A	200	5.0	25A		42.5	120J					S1	1	S32
1440	NA2005	200	5.0	150	1.25			5.0	200	150		S1		S21c
1441	R20	200∅	5.0Δ	25A	1.0	50	150A	.020	200	25A		S1Δ	∅Δ	
1442#	RS53AF	200	5.0∅	100	1.3	27.5	100	.10	200	25		S1Δ		
1443	TCR2003	200†	5.0	25C								S1	1	
1444	1N1344	200	6.0∅	150C	1.1∅	150	190J	10*	200	190J		S1	∅	S25Δ
1447	1N1344A	200	6.0	145B		150		2.0∅	200	150B		S1	∅	DO4Δ
1447a	1N2149	200	6.0	150C	1.2	150	150	.50	200	150C		S1Δ		S35
1447b	1N2149A	200	6.0	150C	1.0	150	150	.10	200	150C		S1Δ		S35
1448	1N2493	200	6.0	150	1.1		190A	.50∅		150C		S1		
1448a	1N2567	200	6.0	150C	1.5	150	150	1.0	200	150C		S1Δ		S35
1448b∅	2N1774	200†	6.0	70B			125A					S1	1	
1448c∅#	6DC11	200	6.0∅	75	1.15	200	170S	2.0	200	150J		S1Δ		Δ
1448d	6F20	200†	6.0	25			100					S1		S19
1448e	BY703	200	6.0	150C	1.2	150	150	.50	200	150C		S1Δ		DO4
1448f	BY713	200	6.0	150C	1.0	150	150	.10	200	150C		S1Δ		DO4
1448g	BY723	200	6.0	150C	1.5	150	150	1.0	200	150C		S1Δ		DO4
1448h#	BYZ13	200	6.0	25A	1.5	20	100A	.75	200	125B	D	S1Δ		DO4
1448i∅	CEC1342A	200	6.0	150B	1.2	150	150	2.5	200	150		S1		DO4
1448j	KS602DA	200	6.0	150C	1.2Δ	60	175C	1.0∅	200	150C		S1Δ	∅Δ	DO4
1448k	NA620	200	6.0	150	1.1	30	150	5.0	200	150		S1		S4c
1448m	P2006	200∅	6.0∅	125B	1.2Δ	140	150S	3.0Δ	200	125B		S1Δ	∅Δ#	
1448n∅	2N1774A	200†	7.0	115B			150A					S1	1	
1449	BA20	200	8.0	150B	.50	80	175J	.010	200	25		S1Δ		
1449a∅#	CR8.201A	200	8.0	25A		85	100J					S1	1	S32
1450#	SX752	200	8.0	65A	1.0Δ	150	150S	.50	200	150		S1Δ	∅Δ†#	S16
1451#	ZR22	200	8.0	25A	1.2	70	140A	.50	200	100A		S1Δ	Δ	S39Δ
1453	1N250	200†	10∅	150C	1.5		175A	5.0∅		150		S1		DO5Δ
1454	1N1622	200	10	100	1.25	150	100	5.0	200	25		S1		S43
1455	1N2250	200	10	25	.60	200	50	1.0	200	150		S1		

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SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1456	1N2250A	200	10	25	.60	200	50	.50	200	150		S1Δ		
1457	1N2251	200	10	25	.60	200	50	1.0	200	150		S1Δ		
1458	1N2251A	200	10	25	.60	200	50	.50	200	150		S1Δ		
1459	4JA3511B	200	10	55A	.52	100	175A	5.0∅	200	200J		S1	∅	
1459a∅	10CR200	200	10	25	1.0	100	200A	10	200	25		S1		C8a
1459b∅#	10DC11	200	10∅	75	1.15	250	170S	4.5	200	150J		S1Δ	∅	Δ
1459c∅	10ER200	200	10	25	1.0	100	200A	1.0	200	25		S1		C8a
1460	AG2012	200	10	150C	1.5	150	150C	1.0	200	150C		S1		
1461	AM2010	200	10	150C	1.25	150	150C	5.0	200	150C		S1		
1461a	C36B	200†	10	55B	1.25	125	100A	6.0				S1	1	S18
1462#	CR10.201A	200	10	25A		85	120J					S1	1	S32
1463	NCR200D	200	10	25				10	200	100		S1	1	S18
1463a#	P2010	200∅	10∅	125B	1.1Δ	230	150S	3.0Δ	200	125B		S1Δ	∅Δ#	
1464	S20	200∅	10Δ	25A	1.0	100	150A	.020	200	25A		S1Δ	∅Δ	
1464a∅#	SCR55	200	10	25	1.25	120	100					S1	1	S40
1464b*#	SCR965	200	10	25	1.25	120	100	6.0	200	25		S1	1	C5
1464c*#	SL201A	200	10∅	30A	1.45*	66	150J	3.0	200	150		S1	∅	S31
1465	TCR202	200†	10∅	100C		150	125A					S1	1	
1466	TCR2010	200†	10	25C								S1	1	
1467∅#	THP804	200	10	25			125A					S1		
1470	X10RC20	200†	10	30	1.25	125	100A	12	200	30		S1	1	S18a
1471	1N1202	200	12∅	150C	.65∅	200	190J	10*	200	190J	F	S1	∅	S27Δ
1471a	1N1202A	200	12	145B		240		2.0∅	200	150B		S1	∅	DO4Δ
1472a	1N2578	200	12	150C	1.2	250	150	1.0	200	150C		S1Δ		S35
1472b	1N2589	200	12	150C	1.0	250	150	.20	200	150C		S1Δ		S35
1472c	1N2600	200	12	150C	1.5	250	150	2.0	200	150C		S1Δ		S35
1472d#	2WM2	200†	12∅	135C	.70∅		150	10	200	150C		S1		
1472e#	4TD08R	200	12	50	.60	800	85S	100	200	75J		Ge*	Δ∅	
1472f	12F20	200†	12	25		100						S1		S19
1472g*	20J3P	200†	12	100A	1.2		100A		200	25A		S1		S23Δ
1472h	B445	200	12		1.2	60	175	2.0	200	150		Δ		DO4
1472i	BY803	200	12	150C	1.2	250	150	1.0	200	150C		S1Δ		DO4
1472j	BY813	200	12	150C	1.0	250	150	.20	200	150C		S1Δ		DO4
1472k	BY823	200	12	150C	1.5	250	150	2.0	200	150C		S1Δ		DO4
1473	CA20	200	12	135B	.50	120	175J	.010	200	25		S1Δ		
1473a	NA1220	200	12	150C	1.1		200A	5.0	200	150C		S1		S4c
1473b	TM29	200†	12	150C	1.2	60	190A	2.0∅		150		S1		
1473c	US123DA	200	12	150C	1.2Δ	130	175C	3.0∅	200	150C		S1Δ	∅Δ	DO4
1473d#	OA252	200†	14Δ	100		200	150	2.5Δ	200	150		S1*		
1474	1N1079	200	15	100	1.5		150	20	200	25		S1		
1474a∅	1N3210	200†	15∅	150	1.5	250	175A	1.0	200	25		S1		S21b
1474b∅#	3M20	200†	15	110B	1.05∅	300	140B	5.0	200	130B		S1		
1475	20Q3	200	15	100	1.5		150	20	200	25		S1		
1475a	MR314	200	15	150	1.2	250	175	1.0Δ	200	25		S1Δ		S21bΔ
1475b	MR324	200	15	150	1.2	25	175	1.0Δ	200	25		S1Δ		DO5Δ
1476#	R2015	200∅	15∅	125B	1.2Δ	350	150S	3.0Δ	200	125B		S1Δ	∅Δ#	
1477∅	2N685	200†	16	80B	.86	150	125A	6.0∅	200	125J	N	S1	1	S18
1477a∅	2N1846	200	16	25B			100A					S1	1	S18
1477b	NCR200E	200	16	25				10	200	125		S1	1	S18
1477c	X16RC20	200	16	30	.90∅	125	105	6.5∅		30A		S1	1	S18a
1478	1N1304	200	17.5	150B	.63∅	300	200A	5.0∅		150		S1		
1479	1N1194	200	18∅	140C	.75	200	190J	10*	200	190J		S1	∅	S29
1479a	DA20	200	18∅	190J	.75	200	190J	10*	200	190J		S1	∅	
1479b	2020	200†	19∅	25A	.60∅	200	175J	1.0∅	200	150C	M	S1Δ	∅#Δ	DO4Δ
1479c∅	B220	200	19	25A	.60			1.0	200	125C		S1	∅	
1480	1N250A	200†	20∅	150C	1.5		175A	5.0∅		150		S1		DO5Δ
1481	1N250B	200	20∅	150	1.5			5.0∅		150	A	S1		DO5Δ
1482	1N1159	200	20	100	1.25		100	25	200	25		S1		M25
1483	1N1173	200	20	100	1.25		100	25	200	25		S1		M25
1484	1N2274	200	20	25	.60	400	50	1.0	200	150		S1Δ		
1484a	1N2449	200	20	150B	1.1	300	175B	5.0∅	200	150B		S1Δ	∅Δ	DO5Δ
1485	1N2786	200	20∅	25A	1.2	200	175A	10∅	200	150B		S1		DO5
1485a∅	20CR200	200	20	25	1.0	140	200A	10	200	25		S1		C8a

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LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1485b <del>Ø</del>	20ER200	200	20	25	1.0	140	200A	1.0	200	25		S1		C8a
1485c <del>Ø</del>	20R3P	200†	20	100A	1.25		100A	25	200	25		S1		S47Δ
1486	AM2020	200	20	150C	1.25	300	150C	5.0	200	150C		S1		
1486a#	BYZ14	200	20	150J	.85	400	150	2.0	200	125B		S1Δ		S8d
1488	DS203DA	200	20	150B	1.1	300	175B	5.0 <del>Ø</del>	200	150B		S1Δ	ØΔ	DO5
1489	DT203DA	200	20	150B	1.1	300	175B	5.0 <del>Ø</del>	200	150B		S1Δ	ØΔ	DO5
1490#	R2020	200 <del>Ø</del>	20 <del>Ø</del>	125B	1.1Δ	450	150S	3.0Δ	200	125B		S1Δ	ØΔ#	
1491 <del>Ø</del> #	S5B20	200†	20 <del>Ø</del>	40A	1.1Δ	360	190J	2.5Δ	200	25A		S1*	#	S50Δ
1492	T20	200	20Δ	25A	1.0	250	150A	.20	200	25A		S1Δ	ØΔ	
1492a	TCR2020	200†	20	25C								S1	1	
1493	TR200	200†	20	150C	2.0		175A	10 <del>Ø</del>		150C		S1		
1493a <del>Ø</del> #	ZR52	200	20	65A	1.2	360	140A	2.0	200	100A		S1Δ		Δ
1494	1N2297	200	22 <del>Ø</del>	40A	1.1Δ	160	135B	10Δ	200	165A		S1Δ		S13Δ
1496	1N2305	200	22 <del>Ø</del>	40A	1.1Δ	160	135B	10Δ	200	165A		S1Δ		S14Δ
1496a#	3WM2	200†	23 <del>Ø</del>	115C	.80 <del>Ø</del>		100	10	200	125C		S1		
1499	1N2156	200	25	145B	.60 <del>Ø</del>	300	200A	4.0 <del>Ø</del>		145B		S1*	Ø	DO5Δ
1500 <del>Ø</del> #	25DC11	200	25 <del>Ø</del>	75	1.15	500	170S	20	200	150J		S1Δ	Ø	Δ
1501	CS120B	200†	25	150C	.55	350	200S	5.0 <del>Ø</del>	200	150C		S1		DO5
1501b	1N2784	200†	26 <del>Ø</del>	25A	.60 <del>Ø</del>	200	175J	1.0 <del>Ø</del>	200	150C	M	S1Δ	Ø#Δ	DO4Δ
1501c <del>Ø</del>	B320	200	26	25A	.60			1.0	200	125C		S1	Ø	
1502	1N1436	200	30	25B	1.2	250	175S	5.0	200	150B		S1		
1502a	1N2461	200	30	150B	1.1	450	175B	5.0 <del>Ø</del>	200	150B		S1Δ	ØΔ	DO5Δ
1504	DS303DA	200	30	150B	1.1	450	175B	5.0 <del>Ø</del>	200	150B		S1Δ	ØΔ	DO5
1505	DT303DA	200	30	150B	1.1	450	175B	5.0 <del>Ø</del>	200	150B		S1Δ	ØΔ	DO5
1506 <del>Ø</del> #	G50E	200	30	40								Ge	Ø	
1506b#	ZR32	200	30	25A	1.2	360	140A	2.0	200	100A		S1Δ		S38Δ
1506c	3120	200†	34 <del>Ø</del>	25A	.60 <del>Ø</del>	200	175J	2.0 <del>Ø</del>	200	150C	M	S1Δ	ØΔ#	DO5Δ
1507	1N1163	200	35	100	1.25		100	40	200	25		S1		M24
1508	1N1177	200	35	100	1.25		100	40	200	25		S1		M24
1508a	1N1186	200	35 <del>Ø</del>	140C	.60	500	190J	20*	200	190J	M	S1	Ø	S29Δ
1508b	1N1459	200*	35 <del>Ø</del>	190J	1.1*	900	190J	20*	200	190J		S1*	ØΔ#	Δ
1509	1N2313	200	35 <del>Ø</del>	40A	1.1Δ	300	135B	20Δ	200	165A		S1Δ		S13Δ
1511	1N2321	200	35 <del>Ø</del>	40A	1.1Δ	300	135B	20Δ	200	165A		S1Δ		S14Δ
1514	20S3P	200†	35	100A	1.25		100A	40	200	25A		S1		S44Δ
1515a	EA20	200	35 <del>Ø</del>	190J	.60	500	190J	20*	200	190J		S1	Ø	
1515c	NA2035.	200	35 <del>Ø</del>	150C	1.5		175A	5.0	200	150		S1		S21c
1516	TR203	200	35 <del>Ø</del>	150C	1.5		175A	5.0 <del>Ø</del>		150		S1		
1517	4JA6211B	200	41	35A	1.0	500	100A	18 <del>Ø</del>	200	150J		S1	Ø	
1517a#	6WM2	200	42 <del>Ø</del>	125C	.60 <del>Ø</del>		100	20	200	125C		S1		
1517b	3220	200†	45 <del>Ø</del>	25A	.60 <del>Ø</del>	600	175J	2.0 <del>Ø</del>	200	150C	M	S1Δ	ØΔ#	DO5Δ
1517c <del>Ø</del>	B520	200	45	25A	.60			2.0	200	125C		S1	Ø	
1518	1N413B	200†	50 <del>Ø</del>	150C	1.5		175A	15 <del>Ø</del>		150		S1		S54
1518a <del>Ø</del>	1N413B/A	200†	50	150C	1.5		175A	15 <del>Ø</del>	200	150		S1		S55Δ
1518b <del>Ø</del>	1N413B/B	200†	50	150C	1.5		175A	15 <del>Ø</del>	200	150		S1		M28Δ
1519 <del>Ø</del>	1N413B/C	200†	50	150C	1.5		175A	15 <del>Ø</del>	200	150		S1		M29Δ
1519a	1N2429	200	50	150B	1.1Δ	950	175B	10 <del>Ø</del>	200	150B		S1Δ	ØΔ	DO8Δ
1519b <del>Ø</del> #	6A20	200†	50	60B	1.05 <del>Ø</del>	900	140B	10	200	130B		S1		S29
1519c <del>Ø</del>	10A14P	200†	50	150C	1.2			.005	200	150C		S1	Ø	Δ
1519d*	20T3P	200†	50	100A	1.2		100A	60	200	25		S1		S45Δ
1520 <del>Ø</del> #	50DC11	200	50 <del>Ø</del>	75	1.15	1000	170S	25	200	150J		S1Δ	Ø	Δ
1520a	C60B	200	50	87B								S1	1	
1520b	CH116B	200	50	150C		500	150C	20	200	150C	T	S1		DO5
1521	FS503DA	200	50	150B	1.1Δ	950	175B	10 <del>Ø</del>	200	150B		S1Δ	ØΔ	DO8
1522	FT503DA	200	50	150B	1.1Δ	950	175B	10 <del>Ø</del>	200	150B		S1Δ	ØΔ	DO8
1522a <del>Ø</del> #	S8B20	200†	50 <del>Ø</del>	40A	1.1Δ	1100	190J	6.3Δ	200	25A		S1*	#	S51Δ
1522b#	S2006	200 <del>Ø</del>	50 <del>Ø</del>	125B	1.0Δ	1200	150S	5.0Δ	200	125B		S1Δ	ØΔ#	
1522c <del>Ø</del>	TCR2050	200†	50	90C								S1	1	
1523	4JA6011B	200	53	35A	1.1	500	100A	18 <del>Ø</del>	200	150J		S1	Ø	
1523a#	9WM2	200	55 <del>Ø</del>	25A	.70 <del>Ø</del>		100	30	200	150C		S1		
1523b*	1N2131	200	60	130B	.90		190B	10	200	140B		S1	Δ	DO5Δ
1523c*	1N2131A	200	60	180B	.90		140B	10	200	175B		S1	Δ	DO5Δ
1523d	1N2788	200†	60 <del>Ø</del>	25A	.60 <del>Ø</del>	600	175J	2.0 <del>Ø</del>	200	150C	M	S1Δ	ØΔ#	DO5Δ
1523e <del>Ø</del> #	25H20	200†	60	180B	1.05 <del>Ø</del>	900	190B	10	200	175B		S1		S21a

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SEE FOLD-OUT BACK COVER

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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
1524#	RS83AF	200	60	100	1.2	600	100	50	200	25		S1*		
1525#	ZR32C	200	60	120J	1.2	150	110B	.50	200	100A		S1Δ		
1526#	ZR32F	200	60	120J	1.2	150	110B	.50	200	100A		S1Δ		
1526a	1N1399	200	70	150C	1.2	1200	190J	30*	200	190J		S1	∅	S14b
1526b	1N2439	200	70	150B	1.1	1200	175B	10	200	150B		S1Δ	∅Δ	DO8Δ
1527	4JA60B	200	70	150B	1.1	900	200J	45	200	200J		S1		Δ
1529	4JA62B	200	70	100B	1.1	900	150J	45	200	150J		S1		Δ
1530∅	4JA70B	200†	70	150B	.45	1600	200	30	200	25		S1Δ		
1531∅	C50B	200†	70	65B	.80	1000	125A	6.0	200	125J		S1	1	S17a
1532*	CH109B	200	70	150	1.3	1500	150	15	200	150		S1		S53
1533	FS703DA	200	70	150B	1.1	1200	175B	10	200	150B		S1Δ	∅Δ	DO8
1534	FT703DA	200	70	150B	1.1	1200	175B	10	200	150B		S1Δ	∅Δ	DO8
1534a#	12R4	200	75	25	1.5	150	150	100	200	150		S1		
1534b∅	CH118B	200	80	150	1.3	1500	150	25	200	150		S1		S8e
1534c	4020	200†	90	25A	.60	1200	175J	5.0	200	150C		S1Δ	∅Δ#	DO8Δ
1536	1N1167	200	100	100	1.25		100	100	200	25		S1		
1537	1N1181	200	100	100	1.25		100	100	200	25		S1		
1539	20V3P	200†	100	100A	1.25		100A	100	200	25		S1		S45Δ
1541	20W3P	200	100	100	1.25		100	100	200	25		S1		S45Δ
1541a∅#	100DC11	200	100	75	1.15	2000	170S	85	200	150J		S1Δ		Δ
1542	U20	200∅	100	25A	1.0	1000	150A	2.0	200	25A		S1Δ	∅Δ	
1542a∅#	ZR42	200	100	25A	1.2	1200	140A	10	200	100A		S1Δ		M18Δ
1542b∅	2N1913	200†	110	59B	.80	1000	125A	6.0	200	125J		S1	1	
1542c∅	C55B	200†	110	59B	.80	1000	125A	6.0	200	125J		S1	1	
1542d	4120	200†	120	25A	.60	1200	175J	5.0	200	150C		S1Δ	∅Δ#	DO8Δ
1542e#	S2AN125	200	120	125B	.55		125B	30	160	125B		S1*	∅Δ#	F19Δ
1543a#	T1	200†	130	125B	1.0Δ	2400	150S	10Δ	200	125B		S1Δ	Δ#	
1543b*	5020	200†	135	25A	.60	3000	175J	5.0	200	150C		S1Δ	∅Δ#	Δ
1544	1N1265	200	150	100	1.25		100	100	200	25		S1		
1545	1N1269	200	150	100	1.25		100	100	200	25		S1		
1545a∅	1N3086	200	150	130B	.60	500	200S	40	200	175B		S1		S8Δ
1546#	6TD16R	200	150	35	.60	3600	85S	180	200	75J		Ge*	#	
1546a∅#	45L20	200†	150	150B	1.05	3000	190B	40	200	175B		S1		S8
1546b	45LB20	200†	150	95B	.90		130B	10	200	130B		S1		S8CΔ
1547	45M20	200	150	130B	.60	500	200S	40	200	175B		S1		Δ
1548	45P20	200	150	130B	.60	500	200S	40	200	175B		S1		S8aΔ
1548a	45TB20	200†	150	95B	.90		130B	10	200	130B		S1		M3Δ
1548b	1N1274	200	160	190J	.60	2000	190J	40*	200	190J		S1	∅	S14c
1548c	1N1284	200	160	190J	.60	2000	190J	40*	200	190J		S1	∅	S14g
1548d	1N1294	200	160	190J	.60	2000	190J	40*	200	190J		S1	∅	S8e
1548e	1N1467	200*	160	120C	1.3Δ	3000	190J	40*	200	190J		S1*	∅Δ#	Δ
1548f	1N1663	200	160	125C	.60	2000	190J	40*	200	190J		S1	∅	S14d
1548g∅	15A14P	200†	160	125C	1.2			.04	200	125C		S1	∅	Δ
1548j	160E20	200*	160	120C	1.3Δ	3000	190J	40*	200	190J		S1*	∅Δ#	Δ
1548k	5120	200†	160	25A	.60	3000	175J	5.0	50	150C		S1Δ	∅Δ#	Δ
1548m#	S2BN200	200	175	125B	.55		125B	40	160	125B		S1*	∅Δ#	F20
1549	1N1265A	200	200	100	1.25		100	100	200	25		S1		
1550	1N1269A	200	200	100	1.25		100	100	200	25		S1		
1550a#	7TD03W	200	200	30	.60	3600	85S	200	200	75J		Ge*	†	
1552	20X3P	200	200	100	1.25		100	100	200	25		S1		S46Δ
1552a∅#	200DC11	200	200	75	1.15	5000	170S	115	200	150J		S1Δ		Δ
1552b∅#	S16B20	200†	200	40A	1.1Δ	4700	190J	25Δ	200	25A		S1*	#	M26Δ
1553	W20	200∅	200	25A	1.0	2000	150A	5.0	200	25A		S1Δ	∅Δ	
1553a	1N2057	200	225	135B	.55	2000	200S	40	200	175B		S1		DO7
1554	1N1673	200	240	125C	.60	3000	190J	50*	200	190J		S1	∅	S14f
1554a∅	16A14P	200†	240	125C	1.2		150C	.05	200	125C		S1	∅	Δ
1555	240E20	200*	240	190J	1.2Δ	4000	190J	50*	200	190J		S1	∅Δ#	Δ
1555a	240F20	200*	240	190J	1.2Δ	4000	190J	50*	200	190J		S1	∅Δ#	Δ
1555b	439D	200†	240	125C		3000		50	200	190J		S1		S14e
1555c	1N1333	200	250	125C	.60	3000	190J	50*	200	190J		S1	∅	
1555d	1N1379	200	250	125C	.60	3000	190J	50*	200	190J		S1	∅	S14h
1555g	20Y3P	200	250	100	1.25		100	100	200	25		S1		S46Δ
1555h	70TB20	200	250	80B	.80		130B	10	200	130B		S1	4	M3Δ

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LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION				
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.	
1555j	70U20	200†	250	130B	1.05∅	4500	190B	55	200	175B		S1			S8b
1555k	70UB20	200	250	80B	.80		130B	10∅	200	130B		S1	4		S8cΔ
1555m	20G3N	200†	350	100	1.2			120	200	25		S1			
1556	1N1479	200*	400∅	190J	1.2Δ	8000	190J	75*	200	190J		S1*	∅Δ#		Δ
1557	400E20	200*	400∅	190J	1.2Δ	8000	190J	75*	200	190J		S1*	∅Δ#		Δ
1558	D20	200∅	400	25A	1.0	4000	150A	10	200	25A		S1Δ	∅Δ		
1558a	WR200	200	500	25A	1.25	3.3	200	.10	200	100		S1			
1558b	20ZB	200†	1000	100	1.2		100A	120	200	25		S1			
1558c	GP1F	210∇	.40∅	40	.50∅	60	100J	.05*	300	25A		S1Δ			
1559	CDE1125	210∅	1.0	150	1.1	18	150	.30	300	150	T	S1*			
1560	CDE2180	210∅	1.0	150	1.1	18	150	.30	300	150	T	S1*			
1561	CDE1584	210∅	3.0	150	1.5	60	150	.50	300	150	T	S1*			
1562	CDE2188	210∅	3.0	150	1.5	60	150	5.0	300	150	T	S1*			
1563	CDE5091F	210∅	3.0	150	1.0	18	150	5.0	300	150	T	S1*			
1564	CDE1345	210∅	6.0	150	1.25	60	150	5.0	300	150	T	S1*			
1565	CDE2198	210∅	6.0	150	1.25	60	150	5.0	300	150	T	S1*			
1566	CDE5051F	210∅	6.0	150	1.2	50	150	5.0	300	150	T	S1*			
1567	CDE210F	210∅	10	150	1.5	250	150	5.0	300	150	T	S1*			
1568	CDE1203	210∅	12	150	1.25	120	150	5.0	300	150	T	S1*			
1569	CDE2208	210∅	12	150	1.25	120	150	5.0	300	150	T	S1*			
1571	9A16P	212∇	5.0∅	150C	1.5∅	50	150C	1.0∅	212	150C	T	S1Δ	∅Δ#		Δ
1572	7B16P	212∇	12∅	150C	1.5∅	120	150C	10∅	212	150C	T	S1Δ	∅Δ#		Δ
1573	6B16P	212∇	20∅	150C	1.5∅	200	150C	5.0∅	212	150C	T	S1Δ	∅Δ#		S12Δ
1576#	OY101	220∇	.50Δ	50A		50	140J	.80*	700*	140J	T	S1			
1576a	1N250C	220†	20Δ	150C		350	175C	3.4	220	150C		S1Δ			DO5Δ
1576b	40J2	220	42	55		2.0						S1			
1577	HR10212	225	.15	25		1.5	150	200	250	25		S1			
1578a	CD1123	225*	.20	25				.0002	225	25		S1			
1578b	ED2842	225	.20	25				.015	225	100		S1			
1578c	HD6861	225	.20Δ	25				.015Δ	225	100		S1			A21
1579	HR10252	225	.20	25		2.0	150	200	250	25		S1			
1579a	1N645TH	225	.40	25		15	25	.0002	225	25		S1			A54
1579b#	1S111	225	.40	25A	1.0Δ	3.0	150A	2uΔ	225	25A		S1Δ			
1579c	PS2245	225†	.50	25			175A	.03	225	100		S1	4		
1579d	WX809D	240†	50	90B	.75	1000	125J					S1	1		S17a
1579e	9A17P	247∇	5.0∅	150C	1.5∅	50	150C	1.0∅	247	150C	T	S1Δ	∅Δ#		Δ
1579f	7B17P	247∇	12∅	150C	1.5∅	120	150C	10∅	247	150C	T	S1Δ	∅Δ#		Δ
1579g	6B17P	247∇	20∅	150C	1.5∅	200	150C	5.0∅	247	150C	T	S1Δ	∅Δ#		S12Δ
1579h	4B17P	247∇	35∅	140C	1.7∅	500	140C	10∅	247	140C	T	S1Δ	∅Δ#		S12Δ
1579j	8B17P	247∇	70∅	150C	1.2∅	1200	150C	15∅	247	150C	T	S1Δ	∅Δ#		S12Δ
1579k	1N486TH	250	.025	150		15	25	.05	250	150		S1			A54
1580	AM425	250	.15	150	1.2		150	.30∅	250	150		S1			
1581	1N2017	250	.20	150A	1.5		175A	.50∅		150		S1			
1581a	1N3076	250†	.20	150A	1.5		175A	.001	250	25		S1			
1582	AJ25	250†	.20∅	150A	1.0		175A	.002	250	25		S1			A19
1583	CD1126	250	.20	25		2.5	200A	.10∅	175	100A		S1			
1583a	MC025	250	.20	25	1.0	1.0	200J	.015	250	100A	T	S1Δ			A2a
1584	SC105	250	.20	150C			175A	.20	250	150C		S1Δ			A21c
1584b	AM025	250	.25∅	25A		3.3	150A	.10∅	175	100A		S1*			
1585	PS025	250∅	.25∅	25A		3.3	200A	.10∅	175∇	100A		S1			A46
1586	PA325	250	.30	100	1.5	15	100	.50	250	100		S1			
1587	PS425	250∅	.40∅	25A		3.3	200A	.50∅	175∇	150A		S1			A46
1587a	B299	250	.50	100A	1.5	20		.50∅	250	100A		S1Δ			A6a
1587b	EER250-2	250	.50	25	1.0		200A	.025	250	25		S1			A11
1588	NL25	250	.50	100	1.5			1.0∅		100		S1			A6
1589	PS125	250∅	.50∅	25A	1.5Δ	3.3	200A	.50∅	175∇	150A		S1			A47
1590	PT525	250	.50	100A	1.5	15	100A	.50	250	100A		S1			
1590a	SER250	250	.50	25	1.0		200A	.025	250	25		S1			P5
1591	SR25	250†	.50		1.5		170	.50				S1			
1591a	1N1648	250	.75	50A	1.0	15	150A	.30∅	175	150A		S1			A53
1592	1N2076	250	.75∅	25A								S1*			A53
1592a#	SX632	250	.75∅	35A	1.5Δ	20	150J	.025	250	100		S1*	∅Δ†#		A26
1593	TCR2505	250†	1.0	125		50	125A					S1	1		

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SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION				
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.	
1593a	ZJ203H	250†	1.0	82C			125A						S1	1	
1593b	2N1934	250†	1.1	25C			125A						S1	1	
1593c	302E	250	1.6	190	.60	500	190	20*	250	190J			S1	∅	S29
1593d	MP14	250	2.5	40	.95Δ	62	160J	20*	350	160J			S1Δ		
1593e	CR4.251A	250	4.0	25A		42.5	100J						S1	1	S32
1593f	C10H	250	4.7	60B			150A						S1	1	S17
1593g	C11H	250	4.7	60B			125A						S1	1	S17
1593h	1N2797	250	5.0	150C	1.25	75	150	5.0	250	150C			S1Δ		DO5
1594	AM2505	250	5.0	150C	1.25	75	150C	5.0	250	150C			S1		
1594a	C40H	250	5.0	25			125J						S1	1	S18
1594b	CR5.251A	250	5.0	25A		42.5	120J						S1	1	S32
1595	NA2505	250	5.0	150	1.25			5.0	250	150			S1		S21c
1596	R25	250	5.0	25A	1.0	50	150A	.020	250	25A			S1Δ	∅Δ	
1596a	TCR2503	250†	5.0	25C									S1	1	
1596b	2N1775	250†	6.0	70B			125A						S1	1	
1596c	KS602EA	250	6.0	150C	1.2Δ	60	175C	1.0	250	150C			S1Δ	∅Δ	DO4
1596d	2N1775A	250†	7.0	115B			150A						S1	1	
1596e	CR8.251A	250	8.0	25A		85	100J						S1	1	S32
1596f	TH084	250	8.0	40	.95Δ	100	160J	15*	350	160J			S1Δ		
1596g	1N2022	250†	10	150C	1.5		175A	5.0		150			S1		
1597	AG2512	250	10	150C	1.5	150	150C	1.0	250	150C			S1		
1598	AM2510	250	10	150C	1.25	150	150C	5.0	250	150C			S1		
1598a	C36H	250†	10	55B	1.25	125	100A	5.5					S1	1	S18
1598b	CR10.251A	250	10	25A		85	120J						S1	1	S32
1599	NA2510	250	10	150	1.25			5.0	250	150			S1		S21c
1599a	NCR250D	250	10	25				10	250	100				1	S18
1600	S25	250	10	25A	1.0	100	150A	.020	250	25A			S1Δ	∅Δ	
1600a	SCR56	250	10	25	1.25	120	100						S1	1	S40
1600b	SCR966	250	10	25	1.25	120	100						S1	1	C5
1601	TCR252	250†	10	100C		150	125A						S1	1	
1601a	TCR2510	250†	10	25C									S1	1	
1601b	THP805	250	10	25			125A						S1		
1602	US123EA	250	12	150C	1.2Δ	130	175C	3.0	250	150C			S1Δ	∅Δ	DO4
1602a	3M25	250†	15	110B	1.05	300	140B	5.0	250	130B			S1		
1603	2N686	250†	16	80B	.86	150	125A	5.5	250	125J	N		S1	1	S18
1603a	2N1847	250	16	25B			100A						S1	1	S18
1603b	NCR250E	250	16	25				10	250	125			S1	1	S18
1603c	TH204	250	17	40	.95Δ	230	160J	20*	350	160J			S1Δ		
1604	303E	250	18	140C	.75	200	190J	10*	250	190J			S1	∅	S29
1604a	DA25	250	18	190J	.75	200	190J	10*	250	190J			S1	∅	
1604b	2025	250†	19	25A	.60	200	175J	1.0	250	150C	M		S1Δ	∅Δ#	DO4Δ
1604c	1N2450	250	20	150B	1.1	300	175B	5.0	250	150B			S1Δ	∅Δ	DO5Δ
1606	AM2520	250	20	150C	1.25	300	150C	5.0	250	150C			S1		
1607	DS203EA	250	20	150B	1.1	300	175B	5.0	250	150B			S1Δ	∅Δ	DO5
1608	DT203EA	250	20	150B	1.1	350	175B	5.0	250	150B			S1Δ	∅Δ	DO5
1609	NA2520	250	20	150	1.25			5.0	250	150			S1		S21c
1610	T25	250	20	25A	1.0	250	150A	.20	250	25A			S1Δ	∅Δ	
1610a	TCR2520	250†	20	25C									S1	1	
1611	TR252	250†	20	150C	1.5		175A	5.0		150			S1		
1612	1N2298	250	22	40A	1.1Δ	160	135B	10Δ	250	165A			S1Δ		S13Δ
1614	1N2306	250	22	40A	1.1Δ	160	135B	10Δ	250	165A			S1Δ		S14Δ
1616b	2125	250†	26	25A	.60	200	175J	1.0	250	150C	M		S1Δ	∅Δ#	DO4Δ
1616c	1N2462	250	30	150B	1.1	450	175B	5.0	250	150B			S1Δ	∅Δ	DO5Δ
1617	DS303EA	250	30	150B	1.1	450	175B	5.0	250	150C			S1Δ	∅Δ	DO5
1618	DT303EA	250	30	150B	1.1	450	175B	5.0	250	150B			S1Δ	∅Δ	DO5
1618a	3125	250†	34	25A	.60	200	175J	2.0	250	150C	M		S1Δ	∅Δ#	DO5Δ
1620	1N1681	250	35	125B	.50	500	190B	40	250	175B			S1		
1621	1N2314	250	35	40A	1.1Δ	300	135B	20Δ	250	165A			S1Δ		S13Δ
1623	1N2322	250	35	40A	1.1Δ	300	135B	20Δ	250	165A			S1Δ		S14Δ
1624	319E	250	35	190	.60	2000	190	40*	250	190J			S1	∅	S14c
1624a	EA25	250	35	190J	.60	500	190J	20*	250	190J			S1	∅	
1624c	NA2535	250	35	150C	1.5		175A	5.0	250	150			S1		S21c
1625	TR253	250	35	150C	1.5		175A	5.0		150			S1		

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@ T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
1625a	3225	250†	45Ø	25A	.60Ø	600	175J	2.0Ø	250	150C	M	S1Δ	ØΔ#	DO5Δ
1625c	1N2430	250	50	150B	1.1Δ	950	175B	10Ø	250	150B		S1Δ	ØΔ	DO8Δ
1625dØ#	6A25	250†	50	60B	1.05Ø	900	140B	10	250	130B		S1		S29
1625eØ	10A15P	250†	50	150C	1.2			.005	250	150C		S1	Ø	Δ
1625f	C60H	250	50	87B			150A					S1	1	
1626	FS503EA	250	50	150B	1.1	950	175B	10Ø	250	150B		S1Δ	ØΔ	DO8
1627	FT503EA	250	50	150B	1.1	950	175B	10Ø	250	150B		S1Δ	ØΔ	DO8
1628	TH252B	250†	50Ø	150C	1.5		175A	15Ø	150	150		S1		S54
1628aØ	TH252B/A	250†	50	150C	1.5		175A	15Ø	250	150		S1		S55Δ
1628bØ	TH252B/B	250†	50	150C	1.5		175A	15Ø	250	150		S1		M28Δ
1628cØ	TH252B/C	250†	50	150C	1.5		175A	15Ø	250	150		S1		M29Δ
1628d*	1N2132	250	60	130B	.90		190B	10	250	140B		S1	Δ	DO5Δ
1628e*	1N2132A	250	60	180B	.90		140B	10	250	175B		S1	Δ	DO5Δ
1628fØ#	25H25	250†	60	180B	1.05Ø	900	190B	10	250	175B		S1		S21a
1628g	3325	250†	60Ø	25A	.60Ø	600	175J	2.0Ø	250	150C	M	S1Δ	ØΔ#	DO5Δ
1628h	1N2440	250	70	150B	1.1	1200	175B	10Ø	250	150B		S1Δ	ØΔ	DO8Δ
1629	4JA60H	250	70	150B	1.1	900	200J	40Ø	350	200J		S1		Δ
1631	4JA62H	250	70	100B	1.1	900	150J	40	250	150J		S1		Δ
1633	300E	250	70Ø	150C	1.2Ø	1200	190J	30*	250	190J		S1	Ø	S14b
1633aØ	C50H	250†	70	65B	.80	1000	125A	5.5Ø	250	125J		S1	1	S17a
1634	FS703EA	250	70	150B	1.1	1200	175B	10Ø	250	150B		S1Δ	ØΔ	DO8
1635	FT703EA	250	70	150B	1.1	1200	175B	10Ø	250	150B		S1Δ	ØΔ	DO8
1635aØ#	TH804	250Ø	70Ø	40	.95Δ	800	160J	30*	350	160J		S1Δ		
1635b	4025	250†	90Ø	25A	.60Ø	1200	175J	5.0Ø	250	150C		S1Δ	ØΔ#	DO8Δ
1636	U25	250Ø	100	25A	1.0	1000	150A	2.0	250	25A		S1Δ	ØΔ	
1636aØ	2N1914	250†	110	59B	.80	1000	125A	5.5Ø	250	125J		S1	1	
1636bØ	C55H	250†	110	59B	.80	1000	125A	5.5Ø	250	125J		S1	1	
1636c	4125	250†	120Ø	25A	.60Ø	1200	175J	5.0Ø	250	150C		S1Δ	ØΔ#	DO8Δ
1636d*	5025	250†	135Ø	25A	.60Ø	3000	175J	5.0Ø	250	150C		S1Δ	ØΔ#	Δ
1636e#	6TE16R	250	150	35	.60	3600	85S	180	250	75J		Ge*	#	
1637	45L25	250	150Ø	130B	.60Ø	500	200S	40	250	175B		S1		S8Δ
1637a	45LB25	250†	150Ø	95B	.90Ø		130B	10Ø	250	130B		S1		S8CΔ
1638	45M25	250	150Ø	130B	.60Ø	500	200S	40Ø	250	175B		S1		Δ
1639	45P25	250	150Ø	130B	.60Ø	500	200S	40Ø	250	175B		S1		S8aΔ
1639a	45TB25	250†	150Ø	95B	.90Ø		130B	10Ø	250	130B		S1		M3Δ
1639bØ	15A15P	250†	160	125C	1.2			.04	250	125C		S1	Ø	Δ
1640	322E	250	160Ø	190	.60	2000	190	40*	250	190J		S1	Ø	S8e
1641	326E	250	160Ø	190	.60	2000	190	40*	250	190J		S1	Ø	S14g
1642	329E	250	160Ø	125C	.60	2000	190	40*	250	190J		S1	Ø	S14Δ
1643	5125	250†	160Ø	25A	.60Ø	3000	175J	5.0Ø	50	150C		S1Δ	ØΔ#	Δ
1643a#	6TE03W	250	195	30	.60	3600	85S	250	200	75J		Ge*	†	
1644	W25	250Ø	200	25A	1.0	2000	150A	5.0	250	25A		S1Δ	ØΔ	
1644a	1N2058	250	225Ø	135B	.55Ø	2000	200S	40Ø	250	175B		S1		DO7
1645Ø	16A15P	250†	240	125C	1.2		150C	.05	250	125C		S1	Ø	Δ
1646	327E	250	240Ø	125C	.60	3000	190	50*	250	190J		S1	Ø	
1647	328E	250	240Ø	125C	.60	3000	190	50*	250	190J		S1	Ø	S14h
1648	339E	250	240Ø	125C	.60	3000	190	50*	250	190J		S1	Ø	S14f
1648a	439E	250†	240	125C		3000		50	250	190J		S1		S14e
1648b	70TB25	250	250	80B	.80		130B	10Ø	250	130B		S1	4	M3Δ
1648cØ#	70U25	250†	250	130B	1.05Ø	4500	190B	55	250	175B		S1		S8b
1648d	70UB25	250	250	80B	.80		130B	10Ø	250	130B		S1	4	S8cΔ
1649	D25	250Ø	400	25A	1.0	4000	150A	10	250	25A		S1Δ	ØΔ	
1650	HR10213	275	.15	25		1.5	150	200	300	25		S1		
1651	HR10253	275	.20	25		2.0	150	200	300	25		S1		
1651aØ#	GP1K	280Ø	.40Ø	40	.50Ø	60	100J	.05*	400	25A		S1Δ		
1651bØ#	SP2	280Ø	.50Ø	40	.50Ø	60	100J	.10*	400	25A		S1Δ		
1652	CDE1126	280	1.0	150	1.1	18	150	.30	400	150	T	S1*		
1653	CDE2181	280Ø	1.0	150	1.1	18	150	.30	400	150	T	S1*		
1654	CDE1585	280Ø	3.0	150	1.5	60	150	.50	400	150	T	S1*		
1655	CDE2189	280Ø	3.0	150	1.5	60	150	5.0	400	150	T	S1*		
1656	CDE5091H	280Ø	3.0	150	1.0	18	150	5.0	400	150	T	S1*		
1657	CDE1346	280Ø	6.0	150	1.25	60	150	5.0	400	150	T	S1*		
1658	CDE2199	280Ø	6.0	150	1.25	60	150	5.0	400	150	T	S1*		

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LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1659	CDE5051H	280∅	6.0	150	1.2	50	150	5.0	400	150	T	S1*		
1660	CDE210H	280∅	10	150	1.5	250	150	5.0	400	150	T	S1*		
1661	CDE1204	280∅	12	150	1.25	120	150	5.0	400	150	T	S1*		
1662	CDE2209	280∅	12	150	1.25	120	150	5.0	400	150	T	S1*		
1662b	9A18P	284∇	5.0∅	150C	1.5∅	50	150C	1.0∅	284	150C	T	S1Δ	∅Δ#	Δ
1662c	7B18P	284∇	12∅	150C	1.5∅	120	150C	1.0∅	284	150C	T	S1Δ	∅Δ#	Δ
1662d	6B18P	284∇	20∅	150C	1.5∅	200	150C	5.0∅	284	150C	T	S1Δ	∅Δ#	S12Δ
1663	1N882	300	.05	25	.60			.02	210	25		S1		
1663a#	1TF06	300	.05	50	.55	5.0	85S	5.0	300	75J		Ge*		
1664	1N93	300†	.075	55	.18∅	25	95A	.60∅		55	N	Ge*	∅	DO3
1664a	1N871	300	.10	25	.60			.02	210	25		S1		
1664b∅	BA105	300	.10	25A	1.2		150	.001	300	25A		S1		
1664c∅	S203	300	.10	25		15	25	.10	300	25		S1		A54
1664d	1N860	300	.15	25	.60			.02	210	25		S1		A21
1665	1N1704	300	.15∅	100A	.90Δ	8.0	175S	.30∅	300	100A		S1		A53
1665a	AM430	300	.15	150	1.2		150	.30∅	300	150		S1		
1665b	S93	300	.15	80	.90	25	150	2.7	300	25		S1		
1666	1N1710	300	.175∅	150A	.85Δ	10	175S	.30∅	300	150A		S1		
1667	1N335	300†	.20∅	150C	2.0		175A	.20∅		150		S1		DO4
1668	1N344	300†	.20∅	150C	2.0		175A	.50∅		150		S1		DO4
1669	1N681	300†	.20∅	25	1.0	3.0	175A	.20∅		150		S1		A53
1670	1N849	300	.20	25	.60			.02	210	25		S1		A21
1670a	1N2018	300	.20	150A	1.5		175A	.50∅		150		S1		
1671∅	1N3077	300†	.20	150A	1.5		175A	.001	300	25		S1		
1673	AJ30	300†	.20∅	150A	1.0		175A	.002	300	25		S1		A19
1673a	AM33	300	.20	100C	1.25	8.0	100C	.30	300∅	100C		S1		
1673b	CD1127	300	.20	25		2.5	200A	.10∅	210	100A		S1		
1673c	ED2843	300	.20	25				.015	300	100		S1		
1673d	HD6862	300	.20Δ	25				.015Δ	300	100		S1		A21
1673e∅	MC030	300	.20	25	1.0	1.0	200J	.015	300	100A	T	S1Δ		A2a
1673f	NA33	300	.20	100	2.0			.30	300	100		S1		S4b
1674	NA36	300	.20	150	2.0			.10	300	150		S1		S4b
1675	S93	300	.20	85A	1.5	5.0	85A	1.0	300	85A		S1		
1675a	SC106	300	.20	150C			175A	.20	300	150C		S1Δ		A21c
1676	TM33	300†	.20∅	100C	2.0		125A	.30∅		100C		S1		
1677	1N1102	300	.25	150A	1.5Δ	15	165A	.20	300	150		S1		DO1
1677a	AM030	300	.25∅	25A		3.3	150A	.10∅	210	100A		S1*		
1677b	AS4	300†	.25	150A	1.0		175A	.40		150		S1		A19
1678	PS030	300∅	.25∅	25A		3.3	200A	.10∅	210∇	100A		S1		A46
1679#	RS24AF	300	.25	100	1.3	2.0	100	.10	300	25		S1*		
1679a	S93H	300	.25	85A	1.5	5.0	85A	.50	300	85A		S1		
1679b∅	S223	300	.25	150		15	25	.30	300	150		S1		A54
1680	1N442	300	.30	100	1.5Δ	15	150A	.001Δ	300	25		S1		
1681	1N532	300	.30	100			150A	.010	300	25		S1		
1682	1N603	300	.30∅	100A	1.4Δ	10	170S	.025Δ	300	25A		S1		DO1
1683	1N603A	300	.30∅	100A	1.1Δ	10	170S	.001Δ	300	25A		S1		DO1
1683a∅#	1S92	300	.30∅	75	1.15	10	170S	.30	300	150J		S1Δ		Δ
1684#	13J2	300	.30	100A	.50		100	.30	300	100		S1		
1685	PA330	300	.30	100	1.5	15	100	.50	300	100		S1		
1686	HR10424	300	.35∅	100	1.3	5.0	150	.01	300	150		S1Δ		
1687	1N334	300†	.40∅	150C	2.0		175A	.20∅		150		S1		DO4
1688	1N343	300†	.40∅	150C	2.0		175A	.50∅		150		S1		DO4
1688a∅	1N646TH	300	.40	25		15	25	.0002	300	25		S1		A54
1689	1N682	300†	.40∅	25	1.0	5.0	175A	.20∅		150		S1		A53
1689a#	1S112	300	.40	25A	1.0Δ	3.0	150A	.2uΔ	300	25A		S1Δ		
1692	AM32	300	.40	100C	1.25	10	100C	.30	300∅	100C		S1		
1693	NA32	300	.40	100	2.0			.30	300	100		S1		S4b
1694	NA35	300	.40	150	2.0			.10	300	150		S1		S4b
1695	PS430	300∅	.40∅	25A		3.3	200A	.50∅	210∇	150A		S1		A46
1697	TM32	300†	.40∅	100C	2.0		125A	.30∅		100C		S1		
1698	1N153	300†	.50	55		25	95A					GeΔ	∅	
1699	1N552	300	.50	100A	1.5Δ		150A	1.5u	300	25		S1		A53
1700	1N1032	300	.50	100	1.5		150	.20	300	25		S1		A53

SEE FOLD-OUT BACK COVER

for

EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1701	1N1083	300	.50	100	1.5		150	2.0	300	25		S1		A53
1702	1N1254	300	.50	25A	1.0		165A	.50	300	125A		S1*		A53
1703	1N2083	300	.50	25	.75	15	50	.35	300	25		S1Δ		A53
1704	1N2093	300	.50	85	.50	15	100	.25	300	85		S1Δ	Δ	M21
1704a	1N2849	300	.50	150C	.05	15	165A	.30∅	300	150C		S1*		
1704b	AS14	300†	.50∅	150C	1.0			.50∅		150		S1		S10
1704c	B291	300	.50	100	1.2	60	100	.50∅	300	100		S1Δ		A6a
1704d	BB104	300†	.50	150C	.90	15	165S	.50	300	150		S1	3	A20
1704e	BB114	300†	.50	150C	.80	15	165S	.10	300	150		S1	3	A20
1704f	BB124	300†	.50	150C	1.0	15	165S	1.0	300	150		S1	3	A20
1704g	BD104	300†	.50	150C	.90	15	165S	.50	300	150		S1	3	A20
1704h	BD114	300†	.50	150C	.80	15	165S	.10	300	150		S1	3	A20
1704j	BD124	300†	.50	150C	1.0	15	165S	1.0	300	150		S1	3	A20
1704k	BE104	300†	.50	150C	.90	15	165S	.50	300	150		S1	3	A20
1704m	BE114	300†	.50	150C	.80	15	165S	.10	300	150		S1	3	A20
1704n	BE124	300†	.50	150C	1.0	15	165S	1.0	300	150		S1	3	A20
1705	CEC3050	300	.50	100	1.2	60	50	.50	300	100		S1		
1705a∅	DR300	300	.50	25	1.0		200	.10	300	100		S1		A1
1706	E300	300	.50	100	.50	15	100	.50	300	100		S1Δ	Δ	
1706a∅	EER300-2	300	.50	25	1.0		200A	.025	300	25		S1		A11
1707	NL30	300	.50	100	1.5			1.0∅		100		S1		A6
1708	PS130	300∅	.50∅	25A	1.5Δ	3.3	200A	.50∅	210∇	150A		S1		A47
1708a∅	PS2246	300†	.50	25			175A	.03	300	100		S1	4	
1709	PT530	300	.50	100A	1.5	15	100A	.50	300	100A		S1		
1709a∅	S31	300	.50	25		15	25	.10	300	25		S1		A54
1709b∅	S253	300	.50	100		60	25	.50	300	100		S1		A54
1709c∅	SER300	300	.50	25	1.0		200A	.025	300	25		S1		P5
1709d#	SFR153	300	.50∅	55A	2.0	10	100A	5.0	300	150J		S1*		A39
1710	SR30	300†	.50		1.5		170	.50				S1		
1711	SR200	300	.50	25	1.3		150J	1.0	300	25		S1		
1711a	SD93	300†	.55	50				1.0	300	100		S1		
1712	1N1694	300	.60	50A	.60∅	20	115A	.50∅	300	100		S1		DO3
1712a∅#	1S123	300	.60	40A	1.3Δ	15	100	.05Δ	300	25A		S1*		A34a
1713#	1S1694	300	.60	50A	.60∅	20	115A	.50Δ	300	100		S1*		
1713a#	OY5063	300†	.60	25A		5.0	150J	.01	300	25A		S1*		
1714∅#	SJ301F	300	.70∅	25A	1.7*	7.0	120J	.50*	300	120J		S1		A34c
1715	1N442B	300	.75	50	1.5Δ	15	165A	001Δ	300	25		S1		DO3
1716	1N539	300	.75	50	.50∅	15	175A	.30∅		150		S1	∅	DO3
1718	1N1489	300	.75	25A	.55∅	15	140A	.30∅		125		S1		DO3
1718a	1N1558	300	.75∅	100C	1.4Δ		100C	1.0Δ	300	100C		S1*	Δ	
1718b	1N1649	300	.75	50A	1.0	15	150A	.30∅	210	150A		S1		A53
1719	1N2077	300	.75∅	25A								S1*		A53
1720	1N2106	300†	.75	25		10	165A	.30	300	25		S1Δ		A53
1721	1N2486	300	.75	55	1.0	75	150	1.0	300	25		S1		A6b
1721a	1N2612	300	.75	50	1.1Δ	30	175A	.50	300	150A		S1Δ		A31a
1721b	1N2861	300	.75	75		40	125A	.30	300			S1		
1721c#	1S002	300	.75	50A	1.0∅	15	150A	.01Δ	300	25A		S1Δ		
1721d∅#	1S102	300	.75∅	75	1.15	20	170S	.50	300	150J		S1Δ		Δ
1721e∅#	1S113	300	.75	25A	1.2Δ	15	140	.005Δ	300	25A		S1*		A34a
1721f#	1S539	300	.75	50A	.50∅	15	175A	.30Δ	300	150		S1*		
1722#	1T2013	300†	.75	25A		15	165J	.42	300	150A		S1		A34a
1722a#	1WM3	300†	.75∅	50A	.50∅		115A	1.5	300	125C		S1		
1722b#	3G8	300#	.75Δ	50A	1.0	15	165	1.0Δ	300	25		S1*	∅Δ	
1722c	7MA30	300*	.75∅	75A	.65∅	35	75A	.25∅	300	75A		S1*	∅Δ	
1722d	BC204	300	.75	25	2.8	15		.50	300	150		S1	Δ	A21b
1722g	S26	300	.75	80	1.2	15	150	.20	300	25		S1Δ		
1722h	S83	300	.75	80	1.2	15	150	.02	300	25		S1		
1722j∅	S93A	300	.75	25		25	25	.60	300	25		S1		A54
1722l	SD93A	300†	.75	50				.50	300	100		S1		
1723#	SX633	300	.75∅	35A	1.5Δ	20	150J	.025	300	100		S1*	∅Δ†	A26
1723a∅	TK30	300†	.75	50	1.1	15		.01	300	25		S1		
1723b∅	XS31	300	.75	25		15	25	.10	300	25		S1		A54
1724	1N611	300	.80∅	100A	1.6Δ	10	170S	.025Δ	300	25A		S1		DO4

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1725	1N611A	300	.80	100A	1.3	10	170S	.001	300	25A		S1		DO4
1726	1N1038	300	1.0	100	1.5		150	.20	300	25		S1		
1727	1N1044	300	1.0	100	1.5		150	.20	300	25		S1		
1728	1N1050	300	1.0	100	1.5		150	.20	300	25		S1		
1729a	1N1553	300	1.0	100C	1.4		100C	1.0	300	100C		S1*	Δ#	
1730	1N1565	300	1.0	25A	1.2	70	175A	.50		100		S1Δ		C14
1730a	1N1577	300	1.0	125C	1.2	70	150	.50	300	125C		S1		
1730b	1N2028	300†	1.0	150C	2.0		175A	.50		150		S1		S4b
1730c	1R300	300	1.0	25	1.0		200A	.01	300	25		S1		A9
1730d	1S613	300	1.0	65C			150C	1.0	300	25A		S1Δ		
1730e	2N1598	300	1.0	80C	2.0	15	150C					S1	1	
1731	3R300	300	1.0	25	1.3		200A	.25	300	25		S1		A9
1733	AM31	300	1.0	100C	1.25	20	100C	.30	300	100C		S1		
733a	AM34	300	1.0	150C	1.25	20	150C	.50	300	150C		S1		
1734	BC104	300	1.0	25	1.5	20		.50	300	150		S1	Δ	A21b
1734a	BY104	300	1.0	150C	.90	25	150	.50	300	150C		S1Δ		DO2
1734b	BY114	300	1.0	150C	.80	25	150	.10	300	150C		S1Δ		DO2
1734c	BY124	300	1.0	150C	1.0	25	150	1.0	300	150C		S1Δ		DO2
1735	CA102FA	300	1.0	25	1.2	15	150A	.30	300	150A		S1Δ	∅Δ	
1736	CC102FA	300	1.0	25	1.2	15	150A	.30	300	150A		S1Δ	∅Δ	
1737	CF102FA	300	1.0	25	1.2	15	150A	.30	300	150A		S1Δ		
1738	CP102FA	300	1.0	25	1.2	15	150A	.30	300	150A		S1Δ		
1738a	ECR300-1	300	1.0	25	1.3	140	200A	.25	300	25		S1		A10
1738b	EER300-1	300	1.0	25	1.0		200A	.01	300	25		S1		A10
1738c	GJ5M	300	1.0	25A	1.0	8.0	70J					Ge	∅	S33
1739	NA31	300	1.0	100	2.0			.30	300	100		S1		S4b
1741	RS34BF	300	1.0	100	1.5	4.0	100	.10	300	25		S1*		
1742	SJ302F	300	1.0	25A	1.7*	3.0	200J	1.5*	300	200J		S1		A34c
1742a	TCR3001	300†	1.0	80		15	150A	.10	300	125		S1	1	TO5
1742b	TCR3005	300†	1.0	125		50	125A					S1		
1742c	TI117	300	1.0	80C	2.0		150C					S1	1	
1743	TM31	300†	1.0	100C	2.0		125A	.30		100C		S1		
1744	ZJ203C	300†	1.0	82C			125A					S1	1	
1744a	2N1935	300†	1.1	25C			125A					S1	1	
1744b	X10B3	300†	1.3	40A	1.1		175A	.50	300	150		S1		
1745	1N1056	300	1.5	100	1.5		150	1.5	300	25		S1		
1746	1N1117	300	1.5	85C	.65	15	170A	.30		150		S1		DO4
1746a	1N1452	300†	1.5	100C	1.0		150C	5.0	300	25		S1		S41a
1747	1N1565A	300	1.5	25A	1.2	70	175A	.15		150		S1Δ		C14
1748	1N1619	300	1.5	100	1.0		100	5.0	300	25		S1		A52
1748a	1N1910	300†	1.5	25		30	200A	.01	300	25		S1Δ		
1749	1N2292	300	1.5	25	.60	20	50	.50	300	150		S1Δ		
1750	1N2292A	300	1.5	25	.60	20	50	.20	300	150		S1Δ		
1752	1N2393	300	1.5	55A	1.2	35	150A	.30	300	150A		S1Δ	∅Δ	A32
1753	1N2402	300	1.5	55A	1.2	35	150A	.30	300	150A		S1Δ	∅Δ	C8
1754	1N2411	300	1.5	55A	1.2	35	150A	.30	300	150A		S1Δ	∅Δ	C9
1755	1N2420	300	1.5	55A	1.2	35	150A	.30	300	150A		S1Δ	∅Δ	F8
1755a	1S1117	300	1.5	85C	.65	15	170A	.30		150		S1		
1756	4JA411C	300	1.5	25	1.0		170A					S1	∅	
1756a	CA152FA	300	1.5	55A	1.2	35	150A	.30	300	150A		S1Δ	∅Δ	A32
1756b	CC152FA	300	1.5	55A	1.2	35	150A	.30	300	150A		S1Δ	∅Δ	C8
1756c	CF152FA	300	1.5	55A	1.2	35	150A	.30	300	150A		S1Δ	∅Δ	F8
1756d	CP152FA	300	1.5	55A	1.2	35	150A	.30	300	150A		S1Δ	∅Δ	C9
1757	HR10747	300	1.5	135C	1.5	15	150	.20	300	25		S1Δ		
1757a	PS2345	300	1.5	25	1.0		175A	.006	300	25		S1	4	M22
1757b	S2A30	300†	1.5	40A	1.1	58	190J	.50	300	25A		S1Δ		A56Δ
1757c	S231	300	1.5	25		55	25	.20	300	25		S1		A54
1758	SJ301A	300	1.5	25A	1.7*	7.0	120J	.50*	300	120J		S1	∅	S30
1759	ZR13	300	1.5	25A	1.0	70	140A	.50	300	100A		S1Δ		A42Δ
1760	ZR13T	300	1.5	25A	1.0	70	140A	.50	300	100A		S1Δ		
1761	1N1221	300	1.6	140C	1.0	20	175J	1.5*	300	150J		S1	∅	A34b
1762	1N1221A	300	1.6	140C	1.0	20	175J	.50*	300	150J		S1	∅	A34b
1763	1N1231	300	1.6	140C	1.0	20	175J	1.5*	300	150J		S1	∅	S25

SEE FOLD-OUT BACK COVER

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1764	1N1231A	300	1.6	140C	1.0	20	175J	.50*	300	150J		S1	∅	S25
1765	1N1541	300	1.6	140C	1.0	20	175J	.50*	300	150J		S1	∅	S28
1765b*	1130	300†	1.6	25A	.60	15	175J	.50	300	150C	M	S1	∅Δ	DO1
1765c*	2230	300†	1.6	25A	.60	15	175J	1.5	300	150C	M	S1	∅Δ	S25
1765d*	2330	300†	1.6	25A	.60	15	175J	.50	300	150C	M	S1	∅Δ	DO4
1766	1N1087	300	2.0	100	1.0	150	150	5.0	300	25		S1		F17
1767	1N2112	300†	2.0	25		10	165A	.30	300	25		S1Δ		
1769	4JA3011C	300	2.25	55A	.28	120	85A	7.0		55A		Ge	∅	
1770#	SJ302A	300	2.3	25A	1.7*	3.0	200J	1.5*	300	200J		S1	∅	S30
1770a	1N2527	300	2.5	150C	1.2	50	150	.50	300	150C		S1Δ		S35
1770b	1N2538	300	2.5	150C	1.0	50	150	.10	300	150C		S1Δ		S35
1770c	1N2549	300	2.5	150C	1.5	50	150	1.0	300	150C		S1Δ		S35
1770d	BY204	300	2.5	150C	1.2	50	150	.50	300	150C		S1Δ		DO4
1770e	BY214	300	2.5	150C	1.0	50	150	.10	300	150C		S1Δ		DO4
1770f	BY224	300	2.5	150C	1.5	50	150	1.0	300	150C		S1Δ		DO4
1771	1N1125	300†	3.0Δ	50		25	150	.01	300	25A		S1Δ		DO4Δ
1773	1N1584	300†	3.0	150C	1.5		175A	.50		150		S1		DO4
1774a#	1S402	300	3.0	50A		25	150A	.01Δ	300	25A		S1Δ	Δ	
1774b#	1S603	300	3.0	75C	2.0	25	125C	1.0	300	25C		S1Δ	1	
1774d	2N1603	300	3.0	80C	2.0	25	150C					S1	1	
1774e∅	2R300	300	3.0	25	1.0		200A	.01	300	25		S1		S36
1774f∅#	3FC11	300	3.0	75	1.15	90	170S	1.5	300	150J		S1Δ		Δ
1774g∅	4R300	300	3.0	25	1.3		200A	.25	300	25		S1		S36
1774h	AA30	300	3.0	150B	.50	20	175J	.010	300	25		S1Δ		
1775	AM37	300	3.0	150C	1.25	40	150C	.50	300	150C		S1		
1776	CE302FA	300	3.0	25	1.2Δ	15	150A	.30	300	150C		S1Δ	∅Δ	
1777	CH302FA	300	3.0	25	1.2Δ	15	150A	.30	300	150C		S1Δ	∅Δ	
1778	CK302FA	300	3.0	25	1.2Δ	15	150A	.30	300	150C		S1Δ	∅Δ	
1779	CS302FA	300	3.0	25	1.2Δ	15	150A	.30	300	150C		S1Δ	∅Δ	
1780	HR10675	300	3.0	150	1.5		175	.05	300	25		S1Δ		S11a
1782	S53	300	3.0	80	1.3	20	150	.10	300	25		S1		
1783∅	TI137	300	3.0	80C	2.0		150C					S1	1	
1784∅	1N1125A	300	3.3	50				.01	300	25		S1		
1787	CK848	300	3.5	30	1.0	20		.002	300	25		S1Δ		
1789	1N1920	300†	4.0	25		30	200A	.01	300	25		S1Δ		
1789a	1N2514	300	4.0	35A		25	165A	.002	300	25		S1Δ		Δ
1789b	1N2520	300	4.0	35A		25	165A	.002	300	25		S1Δ		
1789c∅#	CR4.301A	300	4.0	25A		42.5	100J					S1	1	S32
1789d∅#	230S2	300	4.7	25			125A					S1		
1789e∅#	330S2	300	4.7	25			125A					S1		
1789f	C10C	300	4.7	60B			150A					S1	1	S17
1789g	C11C	300	4.7	60B			125A					S1	1	S17
1790	1N1062	300	5.0	100	1.5		150	1.5	300	25		S1		
1791	1N1068	300	5.0	100	1.5		150	1.5	300	25		S1		
1792	1N1074	300	5.0	100	1.5		150	1.5	300	25		S1		
1793	1N1091	300	5.0	100	1.5		150	3.0	300	25		S1		
1794	1N2232	300	5.0	25	.60	100	50	.50	300	150		S1Δ		
1795	1N2232A	300	5.0	25	.60	100	50	.35	300	150		S1Δ		
1796	1N2233	300	5.0	25	.60	100	50	.50	300	150		S1Δ		
1797	1N2233A	300	5.0	25	.60	100	50	.35	300	150		S1Δ		
1797a	1N2798	300	5.0	150C	1.25	75	150	5.0	300	150C		S1Δ		DO5
1797b#	13R2	300	5.0	25	.63		165	5.0	300	150		S1		
1798	AM3005	300	5.0	150C	1.25	75	150C	5.0	300	150C		S1		
1798a	C40C	300	5.0	25			125J					S1	1	S18
1798b#	CR5.301A	300	5.0	25A		42.5	120J					S1	1	S32
1799	NA3005	300	5.0	150	1.25			5.0	300	150		S1		S21c
1800	R30	300∅	5.0Δ	25A	1.0	50	150A	.020	300	25A		S1Δ	∅Δ	
1801#	RS54AF	300	5.0	100	1.3	27.5	100	.10	300	25		S1Δ		
1802	TCR3003	300†	5.0	25C								S1	1	
1806	1N1345	300	6.0	150C	1.1	150	190J	10*	300	190J		S1	∅	S26Δ
1806a	1N1345A	300	6.0	145B		150		1.75	300	150B		S1	∅	DO4Δ
1806b	1N2150	300	6.0	150C	1.2	150	150	.50	300	150C		S1Δ		S35
1806c	1N2150A	300	6.0	150C	1.0	150	150	.10	300	150C		S1Δ		S35

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1807	1N2494	300	6.0	150	1.1		190A	.50∅		150C		S1		
1807a	1N2568	300	6.0	150C	1.5	150	150	1.0	300	150C		S1Δ		S35
1807b∅	2N1776	300†	6.0	70B			125A					S1	1	
1807c	6F30	300†	6.0	25			100					S1		S19
1807d∅#	6FC11	300	6.0∅	75	1.15	200	170S	2.0	300	150J		S1Δ		Δ
1807e	BY704	300	6.0	150C	1.2	150	150	.50	300	150C		S1Δ		DO4
1807f	BY714	300	6.0	150C	1.0	150	150	.10	300	150C		S1Δ		DO4
1807g	BY724	300	6.0	150C	1.5	150	150	1.0	300	150C		S1Δ		DO4
1807h∅	CEC1343A	300	6.0	150B	1.2	150	150	2.5	300	150		S1		DO4
1807j	KS602FA	300	6.0	150C	1.2Δ	60	175C	3.0∅	300	150C		S1Δ	∅Δ	DO4
1807k	NA630	300	6.0	150	1.1	30	150	5.0	300	150		S1		S4c
1807m#	P3006	300∅	6.0∅	125B	1.2Δ	140	150S	3.0Δ	300	125B		S1Δ	∅Δ#	
1807n∅	2N1776A	300†	7.0	115B			150A					S1	1	
1808	BA30	300	8.0	150B	.50	80	175J	.010	300	25		S1Δ		
1809∅#	CR8.301A	300	8.0	25A		85	100J					S1	1	S32
1810#	SX753	300	8.0	65A	1.0Δ	150	150S	.50	300	150		S1Δ	∅Δ†#	S16
1811#	ZR23	300	8.0	25A	1.2	70	140A	.50	300	100A		S1Δ		S39Δ
1814	1N1623	300	10	100	1.25		100	5.0	300	25		S1		S43
1814a	1N2023	300†	10∅	150C	1.5		175A	5.0∅		150		S1		
1815	1N2252	300	10	25	.60	200	50	1.0	300	150		S1Δ		
1816	1N2252A	300	10	25	.60	200	50	.50	300	150		S1Δ		
1817	1N2253	300	10	25	.60	200	50	1.0	300	150		S1Δ		
1818	1N2253A	300	10	25	.60	200	50	.50	300	150		S1Δ		
1819	4JA3511C	300	10	55A	.52	100	175A	5.0∅	300	200J		S1	∅	
1819a∅	10CR300	300	10	25	1.0	100	200A	10	300	25		S1		C8a
1819b∅	10ER300	300	10	25	1.0	100	200A	1.0	300	25		S1		C8a
1819c∅#	10FC11	300	10∅	75	1.15	250	170S	4.0	300	150J		S1Δ	∅	Δ
1820	AG3012	300	10	150C	1.5	150	150C	1.0	300	150C		S1		DO4
1821	AM3010	300	10	150C	1.25	150	150C	5.0	300	150C		S1		
1821a	B284	300	10	150	1.2	400	150	5.0∅	300	150		S1Δ		
1821b	C36C	300†	10	55B	1.25	125	100A	5.0				S1	1	S18
1822	CEC310	300	10	150	1.2	400	50	5.0	300	150		S1		
1822a#	CR10.301A	300	10	25A		85	120J					S1	1	S32
1823	NA3010	300	10	150	1.25			5.0	300	150		S1		S21c
1824	NCR300D	300	10	25				10	300	100		S1	1	S18
1824a#	P3010	300∅	10∅	125B	1.1Δ	230	150S	3.0Δ	300	125B		S1Δ	∅Δ#	
1825	S30	300∅	10Δ	25A	1.0	100	150A	.020	300	25A		S1Δ	∅Δ	
1825a∅#	SCR57	300	10	25	1.25	120	100					S1	1	S40
1825b∅#	SCR967	300	10	25	1.25	120	100					S1	1	C5
1825c*#	SL301A	300	10∅	30A	1.45*	66	150J	3.0	300	150		S1	∅	S31
1826	TCR302	300†	10∅	100C		150	125A					S1	1	
1827	TCR3010	300†	10	25C								S1	1	
1828	1N1203	300	12∅	150C	.65∅	200	190J	10*	300	190J	F	S1	∅	S27Δ
1833	1N1203A	300	12	145B		240		1.75∅	300	150B		S1	∅	DO4Δ
1834a	1N2579	300	12	150C	1.2	250	150	1.0	300	150C		S1Δ		S35
1834b	1N2590	300	12	150C	1.0	250	150	.20	300	150C		S1Δ		S35
1834c	1N2601	300	12	150C	1.5	250	150	2.0	300	150C		S1Δ		S35
1834d#	2WM3	300†	12∅	135C	.70∅	150		10	300	150C		S1		
1834e	12F30	300†	12	25			100					S1		S19
1834f*	30J3P	300†	12	100A	1.2		100A	2.5	300	25A		S1		S23Δ
1834g	B446	300	12		1.2	60	175	2.0	300	150		Δ		DO4
1834h	BY804	300	12	150C	1.2	250	150	1.0	300	150C		S1Δ		DO4
1834j	BY814	300	12	150C	1.0	250	150	.20	300	150C		S1Δ		DO4
1834k	BY824	300	12	150C	1.5	250	150	2.0	300	150C		S1Δ		DO4
1835	CA30	300	12	135B	.50	120	175J	.010	300	25		S1Δ		
1835a	NA1230	300	12	150C	1.1		200A	5.0	300	150C		S1		S4c
1836	TM39	300†	12	150C	1.2	60	190A	2.0∅		150		S1		
1836a	US123FA	300	12	150C	1.2Δ	130	175C	3.0∅	300	150C		S1Δ	∅Δ	DO4
1836b∅	1N3211	300†	15∅	150	1.5	250	175A	1.0	300	25		S1		S21b
1836c∅#	3M30	300†	15	110B	1.05∅	300	140B	5.0	300	130B		S1		
1837	30Q3	300	15	100	1.5		150	20	300	25		S1		
1837a	MR315	300	15	150	1.2	250	175	1.0Δ	300	25		S1Δ		S21bΔ
1837b	MR325	300	15	150	1.2	25	175	1.0Δ	300	25		S1Δ		DO5Δ

SEE FOLD-OUT BACK COVER

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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
			(amps)	@T (°C)										
1838#	R3015	300∅	15∅	125B	1.2Δ	350	150S	3.0Δ	300	125B	N	S1Δ	∅Δ#	
1839∅	2N687	300†	16	80B	.86	150	125A	5.0∅	300	125J		S1	1	S18
1839a∅	2N1848	300	16	25B			100A					S1	1	S18
1839b	NCR300E	300	16	25				10	300	125			1	S18
1840	1N1306	300	17.5	150B	.63∅	300	200A	5.0∅	300	150		S1		
1841	1N1195	300	18∅	140C	.75	200	190J	10*	300	190J		S1	∅	S29
1841b	DA30	300	18∅	190J	.75	200	190J	10*	300	190J		S1		
1841c	2030	300†	19∅	25A	.60∅	200	175J	1.0∅	300	150C	M	S1Δ	∅#Δ	DO4Δ
1841d∅	B230	300	19	25A	.60			1.0	300	125C		S1	∅	
1842	1N1160	300	20	100	1.25		100	25	300	25		S1		M25
1843	1N1174	300	20	100	1.25		100	25	300	25		S1		M25
1843a∅	1N1195A	300†	20Δ	150C		350	175C	3.2	300	150C		S1Δ		DO5Δ
1844	1N2275	300	20	25	.60	400	50	1.0	300	150		S1Δ		
1844a	1N2451	300	20	150B	1.1	300	175B	5.0∅	300	150B		S1Δ	∅Δ	DO5Δ
1845∅	20CR300	300	20	25	1.0	140	200A	10	300	25		S1		C8a
1845a∅	20ER300	300	20	25	1.0	140	200A	1.0	300	25		S1		C8a
1845b∅	30R3P	300†	20	100A	1.25		100A	25	300	25		S1		S47Δ
1846	AM3020	300	20	150C	1.25	300	150C	5.0	300	150C		S1		
1848	DS203FA	300	20	150B	1.1	300	175B	5.0∅	300	150B		S1Δ	∅Δ	DO5
1849	DT203FA	300	20	150B	1.1	300	175B	5.0∅	300	150B		S1Δ	∅Δ	DO5
1850	NA3020	300	20	150	1.25			5.0	300	150		S1		S21c
1851#	R3020	300∅	20∅	125B	1.1Δ	450	150S	3.0Δ	300	125B		S1Δ		
1852∅#	S5B30	300†	20∅	40A	1.1Δ	360	190J	2.5Δ	300	25A		S1*	#	S50Δ
1853	T30	300∅	20Δ	25A	1.0	250	150A	.200	300	25A		S1Δ	∅Δ	
1853a	TCR3020	300†	20	25C								S1	1	
1854	TR302	300†	20∅	150C	1.5		175A	5.0∅		150		S1		
1854a∅#	ZR53	300	20	65A	1.2	360	140A	2.0	300	100A		S1Δ		Δ
1855	1N2299	300	22∅	40A	1.1Δ	160	135B	10Δ	300	165A		S1Δ		S13Δ
1857	1N2307	300	22∅	40A	1.1Δ	160	135B	10Δ	300	165A		S1Δ		S14Δ
1857a#	3WM3	300†	23∅	115C	.80∅		100	10	300	125C		S1		
1860	1N2157	300	25	145B	.60∅	300	200A	3.5∅		145B		S1*	∅	DO5Δ
1861∅#	25FC11	300	25∅	75	1.15	500	170S	15	300	150J		S1Δ	∅	Δ
1862	CS120C	300†	25	150C	.55	350	200S	5.0∅	300	150C		S1		DO5
1863	2130	300†	26∅	25A	.60∅	200	175J	1.0∅	300	150C	M	S1Δ	∅#Δ	DO4Δ
1863a∅	B330	300	26	25A	.60			1.0	300	125C		S1	∅	
1863b	1N2463	300	30	150B	1.1	450	175B	5.0∅	300	150B		S1Δ	∅Δ	DO5Δ
1864	DS303FA	300	30	150B	1.1	450	175B	5.0∅	300	150B		S1Δ	∅Δ	DO5
1865	DT303FA	300	30	150B	1.1	450	175B	5.0∅	300	150B		S1Δ	∅Δ	DO5
1866b#	ZR33	300	30	25A	1.2	360	140A	2.0	300	100A		S1Δ		S38Δ
1866c	3130	300†	34∅	25A	.60∅	200	175J	2.0∅	300	150C	M	S1Δ	∅Δ#	DO5Δ
1867	1N1164	300	35	100	1.25		100	40	300	25		S1		M24
1868	1N1178	300	35	100	1.25	350	100	40	300	25		S1		M24
1868a	1N1187	300	35∅	140C	.60	500	190J	20*	300	190J	M	S1	∅	S29Δ
1868b	1N1460	300*	35∅	190J	1.1*	900	190J	20*	300	190J		S1*	∅Δ#	Δ
1869	1N1682	300	35∅	125B	.50∅	500	190B	40∅	300	175B		S1		
1870	1N2282	300	35	25	.60	400	50	5.0	300	150		S1Δ		
1871	1N2315	300	35∅	40A	1.1Δ	300	135B	20Δ	300	165A		S1Δ		S13Δ
1873	1N2323	300	35∅	40A	1.1Δ	300	135B	20Δ	300	165A		S1Δ		S14Δ
1876	30S3P	300†	35	100A	1.25		100A	40	300	25A		S1		S44Δ
1877a	EA30	300	35∅	190J	.60	500	190J	20*	300	190J		S1	∅	
1877c	NA3035	300	35∅	150C	1.5		175A	5.0	300	150		S1		S21c
1878	TR303	300	35∅	150C	1.5		175A	5.0∅		150		S1		
1879	4JA6211C	300	41	35A	1.0	500	100A	15∅	300	150J		S1	∅	
1879a#	6WM3	300	42∅	125C	.60∅		100	20	300	125C		S1		
1880	3230	300†	45∅	25A	.60∅	600	175J	2.0∅	300	150C	M	S1Δ	∅Δ#	DO5Δ
1880a∅	B530	300	45	25A	.60			2.0	300	125C		S1	∅	
1880b	1N2431	300	50	150B	1.1Δ	950	175B	10∅	300	150B		S1Δ	∅Δ	DO8Δ
1880c∅#	6A30	300†	50	60B	1.05∅	900	140B	10	300	130B		S1		S29
1880d∅	10A16P	300†	50	150C	1.2			.005	300	150C		S1	∅	Δ
1880e*	30T3P	300†	50	100A	1.2		100A	30	300	25		S1		S45d
1881∅#	50FC11	300	50∅	75	1.15	1000	170S	20	300	150J		S1Δ	∅	Δ
1881a	C60C	300	50	87B			150A					S1	1	
1882	FS503FA	300	50	150B	1.1Δ	950	175B	10∅	300	150B		S1Δ	∅Δ	DO8

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SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			STATUS	DESCRIPTION		DWG. No.
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current [one cycle] (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)		MAT.	USE	
1883	FT503FA	300	50	150B	1.1Δ	950	175B	10∅	300	150B		S1Δ	∅Δ	D08
1883a∅#	S8B30	300†	50∅	40A	1.1Δ	1100	190J	6.3Δ	300	25A		S1*	#	S51Δ
1883b#	S3006	300∅	50∅	125B	1.0Δ	1200	150S	5.0Δ	300	125B		S1Δ	∅Δ#	
1883c∅	TCR3050	300†	50	90C								S1	1	
1884	TH302B	300†	50∅	150C	1.5		175A	15∅		150		S1		S54
1884a∅	TH302B/A	300†	50	150C	1.5		175A	15∅	300	150		S1		S55a
1884b∅	TH302B/B	300†	50	150C	1.5		175A	15∅	300	150		S1		M28Δ
1884c∅	TH302B/C	300†	50	150C	1.5		175A	15∅	300	150		S1		M29Δ
1884d	WX809E	300†	50	90B	.75	1000	125J					S1	1	S17a
1885	4JA6011C	300	53	35A	1.1	500	100A	15∅	300	150J		S1	∅	
1885a#	9WMS	300	55∅	25A	.70∅		100	30	300	150C		S1		
1885b*	1N2133	300	60	130B	.90		190B	10	300	140B		S1	Δ	D05Δ
1885c*	1N2133A	300	60	180B	.90		140B	10	300	175B		S1	Δ	D05Δ
1885d∅#	25H30	300†	60	180B	1.05∅	900	190B	10	300	175B		S1		S21a
1885e	3330	300†	60∅	25A	.60∅	600	175J	2.0∅	300	150C	M	S1Δ	∅Δ#	D05Δ
1886#	RS84AF	300	60∅	100	1.2	600	100	50	300	25		S1*		
1888#	ZR33C	300	60	120J	1.2	150	110B	.50	300	100A		S1Δ	Δ	
1889#	ZR33F	300	60	120J	1.2	150	110B	.50	300	100A		S1Δ		
1889a	1N1400	300	70∅	150C	1.2∅	1200	190J	30*	300	190J		S1	∅	S14b
1889b	1N2441	300	70	150B	1.1	1200	175B	10∅	300	150B		S1Δ	∅Δ	D08Δ
1890	4JA60C	300	70	150B	1.1	900	200J	35∅	300	200J		S1		Δ
1892	4JA62C	300	70	100B	1.1	900	150J	35	300	150J		S1		Δ
1893∅	4JA70C	300†	70	150B	.45	1600	200	25	300	25		S1Δ		
1894∅#	630S2	300	70	25			125A					S1		
1894a∅	C50C	300†	70	65B	.80	1000	125A	5.0∅	300	125J		S1	1	S17a
1895*	CH109C	300	70	150	1.3	1500	150	15∅	300	150		S1		S53
1896	FS703FA	300	70	150B	1.1	1200	175B	10∅	300	150B		S1Δ	∅Δ	D08
1897	FT703FA	300	70	150B	1.1	1200	175B	10∅	300	150B		S1Δ	∅Δ	D08
1898	4030	300†	90∅	25A	.60∅	1200	175J	5.0∅	300	150C		S1Δ	∅Δ#	D08Δ
1899	1N1168	300	100	100	1.25		100	100	300	25		S1		
1900	1N1182	300	100	100	1.25		100	100	300	25		S1		
1902	30V3P	300†	100	100A	1.25		100A	100	300	25		S1		S45Δ
1904	30W3P	300	100	100	1.25		100	100	300	25		S1		S45Δ
1904a∅#	100FC11	300	100∅	75	1.15	2000	170S	70	300	150J		S1Δ		Δ
1905	U30	300∅	100	25A	1.0	1000	150A	2.0	300	25A		S1Δ	∅Δ	
1905a∅#	ZR43	300	100	25A	1.2	1200	140A	10	300	100A		S1Δ		M18Δ
1905b∅	2N1915	300†	110	59B	.80	1000	125A	5.0∅	300	125J		S1	1	
1905c∅	C55C	300†	110	59B	.80	1000	125A	5.0∅	300	125J		S1	1	
1905d	4130	300†	120∅	25A	.60∅	1200	175J	5.0∅	300	150C		S1Δ	∅Δ#	D08Δ
1905e#	S3AN125	300	120∅	125B	.55∅		125B	30∅	240	125B		S1*	∅Δ#	F19Δ
1906*	5030	300†	135∅	25A	.60∅	3000	175J	5.0∅	300	150C		S1Δ	∅Δ#	Δ
1906a#	6CF14R	300	140	75	1.2	2000	170S	69	300	150J		S1Δ		
1906b#	6TF16R	300	145	35	.60	3600	85S	180	300	75J		Ge*	#	
1907	1N1266	300	150	100	1.25		100	100	300	25		S1		
1908	1N1270	300	150	100	1.25		100	100	300	25		S1		
1909∅	1N3087	300	150∅	130B	.60∅	500	200S	40	300	175B		S1		S8Δ
1909a∅#	45L30	300†	150	150B	1.05∅	3000	190B	40	300	175B		S1		S8
1909b	45LB30	300†	150∅	95B	.90∅		130B	10∅	300	130B		S1		S8CA
1910	45M30	300	150∅	130B	.60∅	500	200S	40∅	300	175B		S1		Δ
1911	45P30	300	150∅	130B	.60∅	500	200S	40∅	300	175B		S1		S8aΔ
1911a	45TB30	300†	150∅	95B	.90∅		130B	10∅	300	130B		S1		M3Δ
1911b	1N1275	300	160∅	190J	.60	2000	190J	40*	300	190J		S1	∅	S14c
1911c	1N1285	300	160∅	190J	.60	2000	190J	40*	300	190J		S1	∅	S14g
1911d	1N1295	300	160∅	190J	.60	2000	190J	40*	300	190J		S1	∅	S8e
1911e	1N1468	300*	160∅	190J	1.3Δ	3000	190J	40*	300	190J		S1*	∅Δ#	Δ
1911f	1N1664	300	160∅	125C	.60	2000	190J	40*	300	190J		S1	∅	S14d
1911g∅	15A16P	300†	160	125C	1.2			.04	300	125C		S1	∅	Δ
1911h	160E30	300*	160∅	120C	1.3Δ	3000	190J	40*	300	190J		S1*	∅Δ#	Δ
1911j	5130	300†	160∅	25A	.60∅	3000	175J	5.0∅	50	150C		S1Δ	∅Δ#	Δ
1911k#	S3BN200	300	175∅	125B	.55∅		125B	40∅	240	125B		S1*	∅Δ#	F20
1912	1N1266A	300	200	100	1.25		100	100	300	25		S1		
1913	1N1270A	300	200	100	1.25		100	100	300	25		S1		
1915	30X3P	300	200	100	1.25		100	100	300	25		S1		S46Δ

SEE FOLD-OUT BACK COVER

for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1915a#	200FC11	300	200∅	75	1.15	5000	170S	100	300	150J		S1Δ		Δ
1915b#	S16B30	300†	200∅	40A	1.1Δ	4700	190J	25Δ	300	25A		S1*	#	M26Δ
1916	W30	300∅	200	25A	1.0	2000	150A	5.0	300	25A		S1Δ	∅Δ	
1916a	1N2059	300	225∅	135B	.55∅	2000	200S	40∅	300	175B		S1		DO7
1917a	1N1334	300	240∅	125C	.60∅	3000	190J	50*	300	190J		S1	∅	
1917b	1N1380	300	240∅	125C	.60∅	3000	190J	50*	300	190J		S1	∅	S14h
1917c	1N1674	300	240∅	190J	.60∅	3000	190J	50*	300	190J		S1	∅	S14f
1917d∅	16A16P	300†	240	125C	1.2		150C	.05	300	125C		S1	∅	Δ
1917e	240E30	300*	240∅	190J	1.2Δ	4000	190J	50*	300	190J		S1	∅Δ#	Δ
1917f	240F30	300*	240∅	190J	1.2Δ	4000	190J	50*	300	190J		S1	∅Δ#	
1917g	439F	300†	240	125C		3000		50	300	190J		S1		S14e
1918b	30Y3P	300	250	100	1.25		100	100	300	25		S1		S46Δ
1918c	70TB30	300	250	80B	.80		130B	10∅	300	130B		S1	4	M3Δ
1918d#	70U30	300†	250	130B	1.05∅	4500	190B	55	300	175B		S1		S8b
1918e	70UB30	300	250	80B	.80		130B	10∅	300	130B		S1	4	S8cΔ
1918f	1N1480	300*	400∅	190J	1.2Δ	8000	190J	75*	300	190J		S1*	∅Δ#	Δ
1918g	400E30	300*	400∅	190J	1.2Δ	8000	190J	75*	300	190J		S1*	∅Δ#	Δ
1919	D30	300∅	400	25A	1.0	4000	150A	10	300	25A		S1Δ	∅Δ	
1919a#	8CF15	300	430	75	1.2	2000	170S	69	300	150J		S1Δ		
1919b∅	WR300	300	500	25A	1.25	3.3	200	.10	300	100		S1		
1919c#	MP15	320∇	2.5∅	40	.95Δ	62	160J	15*	450	160J		S1Δ		
1919d#	TH085	320∇	8.0∅	40	.95Δ	100	160J	10*	450	160J		S1Δ		
1919e#	TH205	320∇	17∅	40	.95Δ	230	160J	15*	450	160J		S1Δ		
1919f#	TH805	320∇	70∅	40	.95Δ	800	160J	20*	450	160J		S1Δ		
1920	HR10214	325	.15	25		1.5	150	200	350	25		S1		
1921	HR10254	325	.20	25		2.0	150	200	350	25		S1		
1922∅	1N487TH	330	.025	150		15	25	.05	330	150		S1		A54
1925	1N362	350	.10	100	2.0		200	.25∅		100		S1		DO2
1925a	1N362A	350	.15	100	.60			.24	350	150		S1		DO2
1925b	AM435	350	.15	150	1.2		150	.30∅	350	150		S1		
1926	1N2019	350	.20	150A	1.5		175A	.50∅		150		S1		
1926a∅	1N3078	350†	.20	150A	1.5		175A	.001	350	25		S1		
1926b	AJ35	350†	.20∅	150A	1.0		175A	.002	350	25		S1		A19
1926c	SC107	350	.20	150C			175A	.20	350	150C		S1Δ		A21c
1926d∅	MC035	350	.20	25	1.0	1.0	200J	.015	350	100A	T	S1Δ		A2a
1927	1N319	350	.25	100	2.0		200	.30∅		100		S1		DO2
1927a	1N319A	350	.25	100	.60			.24	350	150		S1		DO2
1927b	AM035	350	.25∅	25A		3.3	150A	.10∅	245	100A		S1*		
1928	PS035	350∅	.25∅	25A		3.3	200A	.10∅	245∇	100A		S1		A46
1929	1N326	350	.40	100	2.0		200	.30∅		100		S1		DO2
1929a	1N326A	350	.40	100	.60			.24	350	150		S1		DO2
1930	PS435	350∅	.40∅	25A		3.3	200A	.50∅	245∇	150A		S1		A46
1932	PS135	350∅	.50∅	25A	1.5Δ	3.3	200A	.50∅	245∇	150A		S1		A47
1933	1N1650	350	.75	50A	1.0	15	150A	.30∅	245	150A		S1		A53
1933a	CDE1127	350∅	1.0	150	1.1	18	150	.30	500	150	T	S1*		
1933b	CDE2182	350∅	1.0	150	1.1	18	150	.30	500	150	T	S1*		
1933c	TCR3505	350†	1.0	125		50	125A					S1	1	
1933d	CDE1586	350∅	3.0	150	1.5	60	150	.50	500	150	T	S1*		
1933e	CDE2190	350∅	3.0	150	1.5	60	150	5.0	500	150	T	S1*		
1933f	CDE5091J	350∅	3.0	150	1.0	18	150	5.0	500	150	T	S1*		DO5
1933g	1N2799	350	5.0	150C	1.25	75	150	5.0	350	150C		S1Δ		DO5
1934	AM3505	350	5.0	150C	1.25	75	150C	5.0	350	150C		S1		
1935	NA3505	350	5.0	150	1.25			5.0	350	150		S1		S21c
1936	R35	350∅	5.0Δ	25A	1.0	50	150A	.020	350	25A		S1Δ	∅Δ	
1936a	TCR3503	350†	5.0	25C								S1	1	
1936b	CDE1347	350∅	6.0	150	1.25	60	150	5.0	500	150	T	S1*		
1936c	CDE2200	350∅	6.0	150	1.25	60	150	5.0	500	150	T	S1*		
1936d	CDE5051J	350∅	6.0	150	1.2	50	150	5.0	500	150	T	S1*		
1936e∅	CEC1344A	350	6.0	150B	1.2	150	150	2.5	350	150		S1		DO4
1936f	KS602GA	350	6.0	150C	1.2Δ	60	175C	1.0∅	350	150C		S1Δ	∅Δ	DO4
1936g	1N2024	350†	10∅	150C	1.5		175A	5.0∅		150		S1		
1937	AG3512	350	10	150C	1.5	150	150C	1.0	350	150C		S1		
1938	AM3510	350	10	150C	1.25	150	150C	5.0	350	150C		S1		

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
			(amps)	@ T (°C)										
1938a	CDE210J	350∅	10	150	1.5	250	150	5.0	500	150	T	S1*		
1939	NA3510	350	10	150	1.25			5.0	350	150		S1		S21c
1940	S35	350∅	10Δ	25A	1.0	100	150A	.020	350	25A		S1Δ	∅Δ	
1940a	TCR352	350†	10∅	100C		150	125A					S1	1	
1940b	TCR3510	350†	10	25C								S1	1	
1940c	CDE1205	350∅	12	150	1.25	120	150	5.0	500	150	T	S1*		
1940d	CDE2210	350	12	150	1.25	120	150	5.0	500	150	T	S1*		
1941	US123GA	350	12	150C	1.2Δ	130	175C	3.0∅	350	150C		S1Δ	∅Δ	D04
1942	303G	350	18∅	140C	.75	200	190J	10*	350	190J		S1	∅	S29
1942a	DA35	350	18∅	190J	.75	200	190J	10*	350	190J		S1	∅	
1942b	2035	350†	19∅	25A	.60∅	200	175J	1.0∅	350	150C	M	S1Δ	∅Δ#	D04Δ
1942c	1N2452	350	20	150B	1.1	300	175B	5.0∅	350	150B		S1Δ	∅Δ	D05Δ
1944	AM3520	350	20	150C	1.25	300	150C	5.0	350	150C		S1		
1945	DS203GA	350	20	150B	1.1	300	175B	5.0∅	350	150B		S1Δ	∅Δ	D05
1946	DT203GA	350	20	150B	1.1	300	175B	5.0∅	350	150B		S1Δ	∅Δ	D05
1947	NA3520	350	20	150	1.25			5.0	350	150		S1		S21c
1948	T35	350∅	20Δ	25A	1.0	250	150A	.200	350	25A		S1Δ	∅Δ	
1948a	TCR3520	350†	20	25C								S1	1	
1949	TR352	350†	20∅	150C	1.5		175A	5.0∅		150		S1		
1950	1N2300	350	22∅	40A	1.1Δ	160	135B	10Δ	350	165A		S1Δ		S13Δ
1952	1N2308	350	22∅	40A	1.1Δ	160	135B	10Δ	350	165A		S1Δ		S14Δ
1953	2135	350†	26∅	25A	.60∅	200	175J	1.0∅	350	150C	M	S1Δ	∅Δ#	D04Δ
1954	1N2464	350	30	150B	1.1	450	175B	5.0∅	350	150B		S1Δ	∅Δ	D05Δ
1955	DS303GA	350	30	150B	1.1	450	175B	5.0∅	350	150B		S1Δ	∅Δ	D05
1956	DT303GA	350	30	150B	1.1	450	175B	5.0∅	350	150B		S1Δ	∅Δ	D05
1957	3135	350†	34∅	25A	.60∅	200	175J	2.0∅	350	150C	M	S1Δ	∅Δ#	D05Δ
1958	1N1683	350	35∅	125B	.50∅	500	190B	40∅	350	175B		S1		
1959	1N2316	350	35∅	40A	1.1Δ	300	135B	20Δ	350	165A		S1Δ		S13Δ
1961	1N2324	350	35∅	40A	1.1Δ	300	135B	20Δ	350	165A		S1Δ		S14Δ
1963	302G	350	35∅	190	.60	500	190	20*	350	190J		S1	∅	S29
1963a	EA35	350	35∅	190J	.60	500	190J	20*	350	190J		S1	∅	
1963b	NA3535	350	35∅	150C	1.5		175A	5.0	350	150		S1		S21c
1964	TR353	350	35∅	150C	1.5		175A	5.0∅		150		S1		
1964a	3235	350†	45∅	25A	.60∅	600	175J	2.0∅	350	150C	M	S1Δ	∅Δ#	D05Δ
1964c	1N2432	350	50	150B	1.1Δ	950	175B	10∅	350	150B		S1Δ	∅Δ	D08Δ
1964d∅	10A17P	350†	50	150C	1.2			.005	350	150C		S1	∅	Δ
1965	FS503GA	350	50	150B	1.1Δ	950	175B	10∅	350	150B		S1Δ	∅Δ	D08
1966	FT503GA	350	50	150B	1.1Δ	950	175B	10∅	350	150B		S1Δ	∅Δ	D08
1967	TH352B	350†	50∅	150C	1.5		175A	15∅		150		S1		S54
1967a∅	TH352B/A	350†	50	150C	1.5		175A	15∅	350	150		S1		S55Δ
1967b∅	TH352B/B	350†	50	150C	1.5		175A	15∅	350	150		S1		M28Δ
1967c∅	TH352B/C	350†	50	150C	1.5		175A	15∅	350	150		S1		M29Δ
1967d*	1N2134	350	60	130B	.90		190B	10	350	140B		S1	Δ	D05Δ
1967e*	1N2134A	350	60	180B	.90		140B	10	350	175B		S1	Δ	D05Δ
1967f	3335	350†	60∅	25A	.60∅	600	175J	2.0∅	350	150C	M	S1Δ	∅Δ#	D05Δ
1967g	1N2442	350	70	150B	1.1	1200	175B	10∅	350	150B		S1Δ	∅Δ	D08Δ
1968	4JA60J	350	70	150B	1.1	900	200J	32∅	350	200J		S1		Δ
1970	4JA62J	350	70	100B	1.1	900	150J	32	350	150J		S1		Δ
1972	300G	350	70∅	150C	1.2∅	1200	190J	30*	350	190J		S1	∅	S14b
1973	FS703GA	350	70	150B	1.1	1200	175B	10∅	350	150B		S1Δ	∅Δ	D08
1974	FT703GA	350	70	150B	1.1	1200	175B	10∅	350	150B		S1Δ	∅Δ	D08
1974a	4035	350†	90∅	25A	.60∅	1200	175J	5.0∅	350	150C		S1Δ	∅Δ#	D08Δ
1975	U35	350∅	100	25A	1.0	1000	150A	2.0	350	25A		S1Δ	∅Δ	
1975a	4135	350†	120∅	25A	.60∅	1200	175J	5.0∅	350	150C		S1Δ	∅Δ#	D08Δ
1975b*	5035	350†	135∅	25A	.60∅	3000	175J	5.0∅	350	150C		S1Δ	∅Δ#	Δ
1976	45L35	350	150∅	130B	.60∅	500	200S	40	350	175B		S1		S8Δ
1976a	45LB35	350†	150∅	95B	.90∅		130B	10∅	350	130B		S1		S8CA
1977	45M35	350	150∅	130B	.60∅	500	200S	40∅	350	175B		S1		Δ
1978	45P35	350	150∅	130B	.60∅	500	200S	40∅	350	175B		S1		S8aΔ
1978a	45TB35	350†	150∅	95B	.90∅		130B	10∅	350	130B		S1		M3Δ
1978b∅	15A17P	350†	160	125C	1.2			.04	350	125C		S1	∅	Δ
1979	319G	350	160∅	190	.60	2000	190	40*	350	190J		S1	∅	S14c
1980	322G	350	160∅	190	.60	2000	190	40*	350	190J		S1	∅	S8e

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
1981	326G	350	160	190	.60	2000	190	40*	350	190J		S1	∅	S14g
1982	329G	350	160	125	.60	2000	190	40*	350	190J		S1	∅	S14d
1982a	5135	350†	160	25A	.60	3000	175J	5.0	50	150C		S1Δ	∅Δ#	Δ
1983	W35	350	200	25A	1.0	2000	150A	5.0	350	25A		S1Δ	∅Δ	
1983a	1N2060	350	225	135B	.55	2000	200S	40	350	175B		S1	∅	DO7
1984	16A17P	350†	240	125C	1.2		150C	.05	350	125C		S1	∅	Δ
1985	327G	350	240	125C	.60	3000	190	50*	350	190J		S1	∅	
1986	328G	350	240	125C	.60	3000	190	50*	350	190J		S1	∅	S14h
1987	339G	350	240	125C	.60	3000	190	50*	350	190J		S1	∅	S14f
1987a	439G	350†	240	125C		3000		50	350	190J		S1	∅	S14e
1987b	70TB35	350	250	80B	.80		130B	10	350	130B		S1	4	M3Δ
1987c	70UB35	350	250	80B	.80		130B	10	350	130B		S1	4	S8cΔ
1988	D35	350	400	25A	1.0	4000	150A	10	350	25A		S1Δ	∅Δ	
1989	M150	360	.15	100	1.5		100	2.0	360	25		S1		
1990	2W3A	360†	.175	25	2.0		150A	.20	350	150		S1		A45
1991	2MA36	360*	.20	55A	.75	25	55A	.50	360	55A		S1*	∅Δ	
1992	WX809F	360†	.50	90B	.75	1000	125J					S1	1	S17a
1996	1N2115	365	.20	85	.80	10	100	.25	365	85		S1Δ	Δ	A53
1997	HR10215	375	.15	25		1.5	150	200	400	25		S1		
1998	HR10255	375	.20	25		2.0	150	200	400	25		S1		
1999	1N573	380†	.25	55A	.15							Ge		
2000	1N581	380†	.25	55A	.15							Ge		
2001	1N1021	380†	.25	55A	.15							Ge		Doubler
2002	1N574	380†	.30	55A	.15							Ge		
2003	1N582	380†	.30	55A	.15							Ge		Doubler
2004	1N1022	380†	.30	55A	.15							Ge		
2005	1N575A	380†	.35	55A	.15							Ge		
2006	1N583	380†	.35	55A	.15							Ge		Doubler
2007	1N1023	380†	.35	55A	.15							Ge		
2008	1N255	380†	.40	135	2.0		175A	.15		150	M	S1		DO4
2009	1N576A	380†	.40	55A	.15							Ge		
2010	1N584	380†	.40	55A	.15							Ge		Doubler
2011	1N1008	380†	.40	70A	.15							Ge		
2012	1N1016	380†	.40	70A	.15							Ge		Doubler
2013	1N1024	380†	.40	55A	.15							Ge		
2014	1N158	380†	.50	55		25	95A					GeΔ	∅	
2015#	S101K	380	.60	50A	.60	5.0	140J	.80*	600*	140J	D	S1		
2016#	S103K	380	2.5	50A	.60	75	140J	1.5	600*	140J	T	S1		
2016a#	S111K	380	10	50A	.60	300	140J	3.0*	600*	140J	T	S1		
2016b#	S121K	380	20	50A	.60	600	140J	6.0*	600*	140J	T	S1		
2016c#	S141K	380	90	50A	.65	1300	140J	10*	600*	140J	T	S1	#	
2016d#	S191K	380	200	50A	.65	4000	140J	20*	600*	140J	T	S1	#	
2017#	MP16	390	2.5	40	.95Δ	62	160J	15*	550	160J		S1Δ		
2017a#	TH086	390	8.0	40	.95Δ	100	160J	10*	550	160J		S1Δ		
2017b#	TH206	390	17	40	.95Δ	230	160J	15*	550	160J		S1Δ		
2018#	TH806	390	70	40	.95Δ	800	160J	20*	550	160J		S1Δ		
2018a	S238	400	.02	25		15	25	1.0	400	25		S1		A54
2019	PS2414	400	.04	25	2.0		150A	5.0	400	25		S1	4	C15
2019a	1N883	400	.05	25	.60			.02	280	25		S1		
2019b	S13	400	.05	25		15	25	.01	400	25		S1		A54
2019c	1N872	400	.10	25	.60			.02	280	25		S1		
2019d	S204	400	.10	25		15	25	.10	400	25		S1		A54
2019e	1N861	400	.15	25	.60			.02	280	25		S1		A21
2020	1N1705	400	.15	100A	.90Δ	8.0	175S	.30	400	100A		S1		A53
2020a	AM440	400	.15	150	1.2		150	.30	400	150		S1		
2020b	CER70A	400	.15	25	1.2		150A	.20	400	100		S1		
2020c	CER700A	400	.15	25	1.2		150A	.05	400	100		S1		
2021	1N1711	400	.175	150A	.85Δ	10	175S	.30	400	150A		S1		
2022	1N333	400†	.20	150C	2.0		175A	.20		150		S1		DO4
2023	1N342	400†	.20	150C	2.0		175A	.50		150		S1		DO4
2024	1N683	400†	.20	25	1.0	3.0	175A	.20	400	150		S1		A53
2025	1N850	400	.20	25	.60			.02	280	25		S1		A21
2025a	1N2020	400	.20	150A	1.5		175A	.50		150		S1		

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cent. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2025b <del>Ø</del>	1N3079	400†	.20	150A	1.5		175A	.001	400	25		S1		
2025c	2F4	400†	.20	100	2.0							S1		
2027a	AJ40	400†	.20 <del>Ø</del>	150A	1.0		175A	.002	400	25		S1		A19
2028	AM43	400	.20	100C	1.25	8.0	100C	.30	400 <del>Ø</del>	100C		S1		
2028a	ED2844	400	.20	25				.02	400	100		S1		
2028b	HD6863	400	.20 <del>Δ</del>	25				.02 <del>Δ</del>	400	100		S1		A21
2028c <del>Ø</del>	MC040	400	.20	25	1.0	1.0	200J	.015	400	100A	T	S1 <del>Δ</del>		A2a
2029	NA43	400	.20	100	2.0			.30	400	100		S1		S4b
2030	NA46	400	.20	150	2.0			.10	400	150		S1		S4b
2031	S94	400	.20	85A	1.5	5.0	85A	1.0	400	85A		S1		
2031a <del>Ø</del>	S103	400	.20	70		30	25		400	100		S1		A54
2031b	SC108	400	.20	150C			175A	.20	400	150C		S1 <del>Δ</del>		A21c
2032	TM43	400†	.20 <del>Ø</del>	100C	2.0		125A	.30 <del>Ø</del>		100C		S1		
2032a#	14J2	400	.24	100A	.50		100	.30	400	100		S1		
2033	1N1103	400	.25	150A	1.5 <del>Δ</del>	15	165A	.20	400	150		S1		DO1
2033a	AM040	400	.25 <del>Ø</del>	25A		3.3	150A	.10 <del>Ø</del>	280	100A		S1*		
2033b	AS5	400†	.25	150A	1.0		175A	.40		150		S1		A19
2033c <del>Ø</del>	CER70B	400	.25	25	1.2		150A	.20	400	100		S1		
2033d <del>Ø</del>	CER700B	400	.25	25	1.2		150A	.05	400	100		S1		
2034	PS040	400 <del>Ø</del>	.25 <del>Ø</del>	25A		3.3	200A	.10 <del>Ø</del>	280 <del>Ø</del>	100A		S1		A46
2035#	RS25AF	400	.25	100	1.3	2.0	100	.10	400	25		S1*		
2035a <del>Ø</del>	S219	400	.25	25		15	25	.10	400	25		S1		A54
2035b <del>Ø</del>	S224	400	.25	150		15	25	.30	400	150		S1		A54
2036	1N443	400	.30	100	1.5 <del>Δ</del>	15	150A	1.5u <del>Δ</del>	400	25		S1		DO3
2037	1N533	400	.30	100			150A	.015	400	25		S1		
2038	1N604	400	.30 <del>Ø</del>	100A	1.4 <del>Δ</del>	10	170S	.025 <del>Δ</del>	400	25A		S1		DO1
2039	1N604A	400	.30 <del>Ø</del>	100A	1.1 <del>Δ</del>	10	170S	.0015 <del>Δ</del>	400	25A		S1		DO1
2039a <del>Ø</del> #	1S93	400	.30 <del>Ø</del>	75	1.15	10	170S	.30	400	150J		S1 <del>Δ</del>		Δ
2039b <del>Ø</del> #	3E4	400†	.30	70A	1.3	3.0	100C	.50 <del>Ø</del>	400	100		S1		A35a
2039c <del>Ø</del> #	3FS1	400†	.30	70A	1.4 <del>Ø</del>	20	150A	.025	400	25A		S1		A6a
2039d <del>Ø</del> #	3FS2	400†	.30	70A	1.1 <del>Ø</del>	20	150A	.0015	400	25A		S1		A6a
2039e#	HR14	400	.30	75A		30	100	.20	400	25A		S1 <del>Δ</del>		
2040	PA340	400	.30	100	1.5	15	100	.50	400	100		S1		
2041	S19	400	.30	80	1.2	15	150	1.5	400	25		S1 <del>Δ</del>		
2041a <del>Ø</del>	S106	400	.30	50		15	25	.10	400	25		S1		A54
2042	HR10425	400	.35 <del>Ø</del>	100	1.3	5.0	150	.01	400	150		S1 <del>Δ</del>		
2043	1N332	400†	.40 <del>Ø</del>	150C	2.0		175A	.20 <del>Ø</del>		150		S1		DO4
2044	1N341	400†	.40 <del>Ø</del>	150C	2.0		175A	.50 <del>Ø</del>		150		S1		DO4
2044a <del>Ø</del>	1N647TH	400	.40	25		15	25	.0002	400	25		S1		A54
2044b*	1N673	400	.40	25	1.0	3.0	200	.002	320	25	A	S1		
2045	1N684	400†	.40 <del>Ø</del>	25	1.0	5.0	175A	.20 <del>Ø</del>		150		S1		A53
2046#	1S113	400	.40	25A	1.0 <del>Δ</del>	3.0	150A	2u <del>Δ</del>	400	25A		S1 <del>Δ</del>		
2047#	4M4	400	.40	25A	1.0	3.0	150A	.20u <del>Δ</del>	400	25A	T	S1*	Δ	
2048	AM42	400	.40	100C	1.25	10	100C	.30	400 <del>Ø</del>	100C		S1		
2049	NA42	400	.40	100	2.0			.30	400	100		S1		S4b
2050	NA45	400	.40	150	2.0			.10	400	150		S1		S4b
2051	PS440	400 <del>Ø</del>	.40 <del>Ø</del>	25A		3.3	200A	.50 <del>Ø</del>	280 <del>Ø</del>	150A		S1		A46
2052 <del>Ø</del>	S104	400	.40	70		30	25	.025	400	25		S1		A54
2053	TM42	400†	.40 <del>Ø</del>	100C	2.0		125A	.30 <del>Ø</del>		100C		S1		
2053a <del>Ø</del>	S102	400	.41	85		39	25	.40	400	100		S1		A54
2054	1N553	400	.50	100A	1.5 <del>Δ</del>		150A	2.5u	400	25		S1		DO4
2055	1N1033	400	.50	100	1.5		150	.20	400	25		S1		A53
2056	1N1084	400	.50	100	1.5		150	2.0	400	25		S1		A53
2057	1N1169	400	.50 <del>Ø</del>	100A	.60 <del>Ø</del>	20	150J	.50*	400	25		S1		A34b
2058	1N1169A	400	.50 <del>Ø</del>	100A	.60 <del>Ø</del>	20	150J	.10*	400	25		S1		A34b
2059	1N1255	400	.50	25A	1.0		165A	.50	400	125A		S1*		A53
2060	1N1763	400†	.50	75		35	75	1.0	400	100		S1 <del>Δ</del>		A53
2061	1N2084	400	.50	25	.75	15	50	.35	400	25		S1 <del>Δ</del>		A53
2062	1N2094	400	.50	85	.50	15	100	.25	400	85		S1 <del>Δ</del>	Δ	M21
2062a	1N2850	400	.50	150C	.05	15	165A	.30 <del>Ø</del>	400	150C		S1*		
2062b <del>Ø</del> #	1NJ11	400†	.50	75			100A	1.0	400	100		S1 <del>Δ</del>		DO1
2062c	AS15	400†	.50 <del>Ø</del>	150C	1.0			.50 <del>Ø</del>		150		S1		S10
2062d	B292	400	.50	100	1.2	60	100	.50 <del>Ø</del>	400	100		S1 <del>Δ</del>		A6a

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.



## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2062e	BB105	400†	.50	150C	.90	15	165S	.50	400	150		S1	3	A20
2062f	BB115	400†	.50	150C	.80	15	165S	.10	400	150		S1	3	A20
2062g	BB125	400†	.50	150C	1.0	15	165S	1.0	400	150		S1	3	A20
2062h	BC305	400	.50	25	3.6	12.5		.50	400	150		S1	Δ	A21b
2062j	BD105	400†	.50	150C	.90	15	165S	.50	400	150		S1	3	A20
2062k	BD115	400†	.50	150C	.80	15	165S	.10	400	150		S1	3	A20
2062m	BD125	400†	.50	150C	1.0	15	165S	1.0	400	150		S1	3	A20
2062n	BE105	400†	.50	150C	.90	15	165S	.50	400	150		S1	3	A20
2062p	BE115	400†	.50	150C	.80	15	165S	.10	400	150		S1	3	A20
2062q	BE125	400†	.50	150C	1.0	15	165S	1.0	400	150		S1	3	A20
2063	CEC4050	400	.50	100	1.2	60	50	.50	400	100		S1		
2063a∅	CER70C	400	.50	25	1.2		150A	.20	400	100		S1		
2063b∅	CER700C	400	.50	25	1.0		150A	.05	400	100		S1		
2063c∅#	D45C	400*	.50	25A	.60∅			.15	400	125A		S1		
2063d∅	DR400	400	.50	25	1.0		200	.10	400	100		S1		A1
2064	E400	400	.50	100	.50	15	100	.50	400	100		S1Δ	Δ	
2065#	FST1/4	400	.50	50	1.1	30	100	.10	400	25		S1Δ		
2065a#	HR24	400	.50	75A		35	100	.10	400	25A		S1Δ		
2066	NL40	400	.50	100	1.5			1.0∅		100		S1		A6
2067	OA210	400	.50	70	1.05	5.0	150	.045	400	125		S1		A26a
2068	PS140	400∅	.50∅	25A	1.5Δ	3.3	200A	.50∅	280∅	150A		S1		A47
2068a∅	PS2247	400†	.50	25			175A	.04	400	100		S1	4	
2069	PT540	400	.50	100A	1.5	15	100A	.50	400	100A		S1		
2070	S16	400	.50	80	1.2	15	150	.10	400	25		S1Δ		
2070a∅	S16A	400	.50	25		15	25	.05	400	25		S1		A54
2070b∅	S100	400	.50	85		38.2	25	.50	400	85		S1		A54
2070c∅	S105	400	.50	25			25	.025	400	25		S1		A54
2070d∅	S108	400	.50	25		35	25	.25	400	25		S1		A54
2070e∅	S235	400	.50	25		15	25	.15	400	25		S1		A54
2070f∅	S254	400	.50	100		60	25	.50	400	100		S1		A54
2070g#	SFR154	400	.50∅	55A	2.0	10	100A	5.0	400	150J		S1*		A39
2070h∅#	SFR164	400	.50∅	55A	2.5	10	100A					Ge*		A39
2071	SR40	400†	.50		1.5		170	.50				S1		
2072	SR500	400	.50	25	1.1		150J	7.0	400	25		S1		
2072a	TK41	400†	.50	150A	1.0	15	200A	.005	400	25		S1		
2072b∅	UT235	400	.50	150	.60			.30	400	150		S1		A60
2072c∅#	XU604	400†	.50	75A			100A	1.0	400	100	T	S1		A34
2072d∅#	ZS74	400	.50	75A	1.2	35	150A	.15	400	100A		S1Δ		A43
2072e	SD94	400†	.55	50				.80	400	100		S1		
2072f	1N1695	400	.60	50A	.60∅	20	115A	.50∅	400	100		S1		DO3
2073∅#	1S124	400	.60	40A	1.3Δ	15	100	.05Δ	400	25A		S1*		A34a
2073a#	1S1695	400	.60	50A	.60∅	20	115A	.50Δ	400	100		S1*		
2073b#	OY5064	400†	.60	25A		5.0	150J	.01	400	25A		S1*		
2073c∅	S16B	400	.60	25		15	25	.01	400	25		S1		A54
2073d∅	S243	400	.60	25		15	25	.10	400	25		S1		A54
2073e	X5A4	400†	.625	100A	.92	50	130A	.20∅	400	100	D	S1Δ		A36
2073f∅	X5M4	400†	.625	100	.92	50	130A				D	S1Δ		S41
2074∅#	SJ401F	400	.70∅	25A	1.7*	7.0	120J	.50*	400	120J		S1		A34c
2074a#	SR2201A	400	.70∅	25A			120J					S1		M4a
2075	1N443B	400	.75	50	1.5Δ	15	165A	1.5uΔ	400	25		S1		DO3
2076	1N540	400	.75	50	.50∅	15	175A	.30∅		150	M	S1	∅	DO1
2078	1N1490	400	.75	25A	.55∅	15	140A	.30∅		125		S1		
2078a	1N1559	400	.75∅	100C	1.4Δ		100C	1.0Δ	400	100C		S1*	Δ	
2078b	1N1651	400	.75	50A	1.0	15	150A	.30∅	280	150A		S1		A53
2079	1N2070	400†	.75Δ	25	.60	25	100	.20	400	100A		S1Δ		A3c
2080	1N2078	400	.75∅	25A								S1*		A53
2081	1N2107	400†	.75	25		10	165A	.30	400	25		S1Δ		A53
2081a	1N2483	400	.75	55	1.0		150	1.0	400	25		S1		A51
2082	1N2487	400	.75	55	1.0		150	1.0	400	25		S1		A6b
2083	1N2613	400	.75	50	1.1Δ	30	175A	.50	400	150A		S1Δ		A31a
2083a	1N2862	400	.75	75		40	125A	.30	400			S1		
2083b∅	1N3194	400†	.75Δ	75A			100A	.01	400	25A		S1Δ		A50
2083c#	1S003	400	.75	50A	1.0∅	15	150A	.01Δ	400	25A		S1Δ		

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2084Ø#	1S103	400	.75Ø	75	1.15	20	170S	.50	400	150J		S1Δ		Δ
2084aØ#	1S114	400	.75	25A	1.2Δ	15	125	.005Δ	400	25A		S1*		A34a
2084b#	1S540	400	.75	50A	.50Ø	15	175A	.30Δ	400	150		S1*		
2084c#	1T2Ø14	400†	.75	50A		15	165J	.33	400	150A		S1		A34a
2084d#	1WM4	400†	.75Ø	50A	.50Ø		115A	1.5	400	125C		S1		
2084e#	4G8	400#	.75Δ	50A	1.0	15	165	1.5Δ	400	25		S1*	ØΔ	
2084f	7MA40	400*	.75Ø	75A	.65Ø	35	75A	.25Ø	400	75A		S1*	ØΔ	
2084g	BC205	400	.75	25	2.8	15		.50	400	150		S1	Δ	A21b
2084h	CER70	400	.75	25	1.2	6.0	100	.20	1.2	100		S1Δ	Δ	
2084i	CER700	400	.75	25	1.0	8.0	150	.05	1.0	100		S1Δ	Δ	
2084jØ	DI54	400†	.75Δ	25	1.1	25	100	.010	400	25A		S1	Ø	A38b
2084kØ	HI60	400†	.75	100A	1.2	60		.10	400	100A		S1	2	A6a
2084l	S84	400	.75	80	1.2	15	150	.02	400	25		S1		
2085#	SX634	400	.75Ø	35A	1.5Δ	20	140J	.025	400	100		S1*	ØΔ†#	A26
2085aØ	TK40	400†	.75	50	1.1	15		.01	400	25		S1		
2085bØ	UT244	400	.75	150	.75			.30	400	150		S1		A60
2085cØ	XS16	400	.75	25		15	25	.10	400	25		S1		A54
2085dØ	XS16A	400	.75	25		15	25	.05	400	25		S1		A54
2086	1N612	400	.80Ø	100A	1.6Δ	10	170S	.025Δ	400	25A		S1		DO4
2087	1N612A	400	.80Ø	100A	1.3Δ	10	170S	.002Δ	400	25A		S1		DO4
2087aØ#	3FT1	400†	.80	75A	1.4Ø	20	150A	.025	400	25A		S1		S27
2087bØ#	3FT2	400†	.80	75A	1.1Ø	20	150A	.0015	400	25A		S1		S27
2088	1N1039	400	1.0	100	1.5		150	.20	400	25		S1		
2089	1N1045	400	1.0	100	1.5		150	.20	400	25		S1		
2090	1N1051	400	1.0	100	1.5		150	.20	400	25		S1		
2090a*	1N1415	400	1.0	25	1.1	10	200	.002	320	25	A	S1		
2090b	1N1554	400	1.0Ø	100C	1.4Δ		100C	1.0Δ	400	100C		S1*	Δ#	
2091	1N1566	400	1.0Ø	25A	1.2	70	175A	.50Ø		150		S1Δ		C14
2091a	1N1578	400	1.0	125C	1.2	70	150	.50	400	125C		S1		
2091b	1N2029	400†	1.0Ø	150C	2.0		175A	.50Ø		150		S1		S4b
2091cØ	1R400	400	1.0	25	1.0		200A	.01	400	25		S1		A9
2091d#	1S614	400	1.0Ø	65C			150C	1.0Δ	400	25A		S1Δ	1	
2091e	2N1599	400	1.0	80C	2.0	15	150C					S1	1	
2092Ø	3R400	400	1.0	25	1.3		200A	.25	400	25		S1		A9
2093	AM41	400	1.0	100C	1.25	20	100C	.30	400Ø	100C		S1		
2094	AM44	400	1.0	150C	1.25	20	150C	.50	400Ø	150C		S1		
2094a	BC105	400	1.0	25	1.5	20		.50	400	150		S1	Δ	A21b
2094b	BY105	400	1.0	150C	.90	25	150	.50	400	150C		S1Δ		DO2
2094c	BY115	400	1.0	150C	.80	25	150	.10	400	150C		S1Δ		DO2
2094d	BY125	400	1.0	150C	1.0	25	150	1.0	400	150C		S1Δ		DO2
2095	CA102HA	400	1.0	25	1.2Δ	15	150A	.30Ø	400	150A		S1Δ	ØΔ	
2096	CC102HA	400	1.0	25	1.2Δ	15	150A	.30Ø	400	150A		S1Δ	ØΔ	
2097	CF102HA	400	1.0	25	1.2Δ	15	150A	.30Ø	400	150		S1Δ		
2098	CP102HA	400	1.0	25	1.2Δ	15	150A	.30Ø	400	150A		S1Δ		
2098aØ	CF122D	400†	1.0	25A	1.2Ø	20		.50	400	150A	T	S1		A59
2098bØ	ECR400-1	400	1.0	25	1.3	140	200A	.25	400	25		S1		A10
2098cØ	EER400-1	400	1.0	25	1.0		200A	.01	400	25		S1		A10
2099	NA41	400	1.0	100	2.0			.30	400	100		S1		S4b
2101#	RS35BF	400	1.0Ø	100	1.5	4.0	100	.10	400	25		S1*		
2101a#	S11-400	400	1.0Ø	135	1.5	30	200S	.20	400	25		S1		
2101bØ#	SJ402F	400	1.0Ø	25A	1.7*	3.0	200J	1.5*	400	200J		S1		A34c
2101cØ	TCR4001	400†	1.0	80		15	150A	.10	400	125		S1	1	TO5
2101d	TCR4005	400†	1.0	125		50	125A					S1	1	
2101eØ	TI118	400	1.0	80C	2.0		150C					S1	1	
2102	TM41	400†	1.0Ø	100C	2.0		125A	.30Ø		100C		S1		
2102aØ	UT254	400	1.0	150	.75			.30	400	150		S1		A60
2102bØ	HC70	400	1.1	25	1.2		150A	.20	400	100		S1		
2103Ø	HC700	400	1.1	25	1.2		150A	.05	400	100		S1		
2103aØ	X10B4	400†	1.3	40A	1.1		175A	.50	400	150		S1		
2104	1N1057	400	1.5	100	1.5		150	1.5	400	25		S1		
2105	1N1118	400	1.5	85C	.65Ø	15	170A	.30Ø		150		S1		DO4
2105aØ	1N1453	400†	1.5	100C	1.0		150C	5.0	400	25		S1		S41a
2106	1N1566A	400	1.5Ø	25A	1.2	70	175A	.15Ø		150		S1Δ		C14

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2107	1N1620	400	1.5	100	1.0		100	5.0	400	25		S1		A52
2107a	1N1911	400†	1.5	25		30	200A	.01	400	25		S1Δ		
2108	1N2293	400	1.5	25	.60	20	50	.50	400	150		S1Δ		
2109	1N2293A	400	1.5	25	.60	20	50	.20	400	150		S1Δ		
2111	1N2394	400	1.5	55A	1.2	35	150A	.30∅	400	150A		S1Δ	∅Δ	A32
2112	1N2403	400	1.5	55A	1.2	35	150A	.30∅	400	150A		S1Δ	∅Δ	C8
2113	1N2412	400	1.5	55A	1.2	35	150A	.30∅	400	150A		S1Δ	∅Δ	C9
2114	1N2421	400	1.5	55A	1.2	35	150A	.30∅	400	150A		S1Δ	∅Δ	F8
2114a∅#	1S1118	400	1.5	85C	.65∅	15	170A	.30∅		150		S1		
2114b∅#	S2A40	400†	1.5∅	40A	1.1Δ	58	190J	.50Δ	400	25A		S1Δ		A56a
2115	4JA411D	400	1.5	25	1.0		170A					S1	∅	
2115a	CA152HA	400	1.5	55A	1.2	35	150A	.30∅	400	150A		S1Δ	∅Δ	A32
2115b	CC152HA	400	1.5	55A	1.2	35	150A	.30∅	400	150A		S1Δ	∅Δ	C8
2115c	CF152HA	400	1.5	55A	1.2	35	150A	.30∅	400	150A		S1Δ	∅Δ	F8
2115d	CP152HA	400	1.5	55A	1.2	35	150A	.30∅	400	150A		S1Δ	∅Δ	C9
2116	HR10749	400	1.5∅	135C	1.5	15	150	.20	400	25		S1Δ		
2117#	SJ401A	400	1.5∅	25A	1.7*	7.0	120J	.50*	400	120J		S1	∅	S30
2118#	ZR14	400	1.5	25A	1.0	70	140A	.50	400	100A		S1Δ		A42a
2119#	ZR14T	400	1.5	25A	1.0	70	140A	.50	400	100A		S1Δ		
2120	1N1222	400	1.6∅	140C	1.0∅	20	175J	1.5*	400	150J		S1	∅	A34b
2121	1N1222A	400	1.6∅	140C	1.0∅	20	175J	.50*	400	150J		S1	∅	A34b
2122	1N1232	400	1.6∅	140C	1.0∅	20	175J	1.5*	400	150J		S1	∅	S25
2123	1N1232A	400	1.6∅	140C	1.0∅	20	175J	.50*	400	150J		S1	∅	S25
2124	1N1542	400	1.6∅	140C	1.0∅	20	175J	.50*	400	150J		S1	∅	S28
2124b*	1140	400†	1.6∅	25A	.60∅	15	175J	.50∅	400	150C	M	S1	∅Δ	DO1
2124c*	2240	400†	1.6∅	25A	.60∅	15	175J	1.5∅	400	150C	M	S1	∅Δ	S25
2124d*	2340	400†	1.6∅	25A	.60∅	15	175J	.50∅	400	150C	M	S1	∅Δ	DO4
2125	1N1088	400	2.0	100	1.0		150	5.0	400	25		S1		F17
2126	1N2113	400†	2.0	25		10	165A	.30	400	25		S1Δ		
2127∅	UT264	400	2.0	150	.75			.30	400	150		S1		A60
2127a#	SJ402A	400	2.3∅	25A	1.7*	3.0	200J	1.5*	400	200J		S1	∅	S30
2127b	1N2528	400	2.5	150C	1.2	50	150	.50	400	150C		S1Δ		S35
2127c	1N2539	400	2.5	150C	1.0	50	150	.10	400	150C		S1Δ		S35
2127d	1N2550	400	2.5	150C	1.5	50	150	1.0	400	150C		S1Δ		S35
2127e	BY205	400	2.5	150C	1.2	50	150	.50	400	150C		S1Δ		DO4
2127f	BY215	400	2.5	150C	1.0	50	150	.10	400	150C		S1Δ		DO4
2127g	BY225	400	2.5	150C	1.5	50	150	1.0	400	150C		S1Δ		DO4
2128	1N1126	400†	3.0Δ	50		25	150	.10	400	25A		S1Δ		DO4Δ
2130	1N1585	400†	3.0∅	150C	1.5		175A	.50∅		150		S1		DO4
2131a#	1S403	400	3.0∅	50A		25	150A	.01Δ	400	25A		S1Δ		Δ
2131b#	1S604	400	3.0∅	75C	2.0	25	125C	1.0	400	25C		S1Δ	1	
2131d	2N1604	400	3.0	80C	2.0	25	150C					S1	1	
2131e∅	2R400	400	3.0	25	1.0		200A	.01	400	25		S1		S36
2131f∅#	3GC11	400	3.0∅	75	1.15	90	170S	1.5	400	150J		S1Δ		Δ
2131g∅	4R400	400	3.0	25	1.3		200A	.25	400	25		S1		S36
2131h	AA40	400	3.0	150B	.50	20	175J	.010	400	25		S1Δ		
2132	AM47	400	3.0	150C	1.25	40	150C	.50	400∅	150C		S1		
2133	CE302HA	400	3.0	25	1.2Δ	15	150A	.30∅	400	150C		S1Δ	∅Δ	
2134	CH302HA	400	3.0	25	1.2Δ	15	150A	.30∅	400	150C		S1Δ	∅Δ	
2135	CK302HA	400	3.0	25	1.2Δ	15	150A	.30∅	400	150C		S1Δ	∅Δ	
2136	CS302HA	400	3.0	25	1.2Δ	15	150A	.30∅	400	150C		S1Δ	∅Δ	
2136a#	D4003	400	3.0	125B	1.5	30	125B	.02Δ	400	25B	T	S1Δ	∅Δ	
2136b#	D4010	400	3.0	125B				.02	400	25C		S1		
2137	HR10677	400	3.0∅	150	1.5		175	.05	400	25		S1Δ		S11a
2139	S54	400	3.0	80	1.3	20	150	.10	400	25		S1		
2140∅	TI138	400	3.0	80C	2.0		150C					S1	1	
2142#	XB8E	400†	3.0	50B	2.0						T	S1Δ	1	
2143∅	1N1126A	400	3.3	50				.01	400	25	N	S1		
2145	CK849	400	3.5	30	1.0	20		.002	400	25		S1Δ		
2145a	1N1921	400†	4.0	25		30	200A	.01	400	25		S1Δ		
2145b	1N2515	400	4.0	35A		25	165A	.002	400	25		S1Δ		Δ
2145c	1N2521	400	4.0	25		25	165A	.002	400	25		S1Δ		
2145d∅#	240S2	400	4.7	25			125A					S1		

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current [one cycle] (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2145e#	340S2	400	4.7	25			125A					S1		
2145f	C10D	400	4.7	60B		150A						S1	1	S17
2145g	C11D	400	4.7	60B		125A						S1	1	S17
2146	1N1063	400	5.0	100	1.5		150	1.5	400	25		S1		
2147	1N1069	400	5.0	100	1.5		150	1.5	400	25		S1		
2148	1N1075	400	5.0	100	1.5		150	1.5	400	25		S1		
2149	1N1092	400	5.0	100	1.5		150	3.0	400	25		S1		
2150	1N1615	400	5.0	25B	1.5	25	175S	1.0	400	150B	M	S1		
2151	1N2234	400	5.0	25	.60	100	50	.50	400	150		S1Δ		
2152	1N2234A	400	5.0	25	.60	100	50	.35	400	150		S1Δ		
2153	1N2235	400	5.0	25	.60	100	50	.50	400	150		S1Δ		
2154	1N2235A	400	5.0	25	.60	100	50	.35	400	150		S1Δ		
2154a	1N2800	400	5.0	150C	1.25	75	150	5.0	400	150C		S1Δ		DO5
2154b#	14R2	400	5.0	25	.63		165	5.0	400	150		S1		
2155	AM4005	400	5.0	150C	1.25	75	150C	5.0	400	150C		S1		
2156	NA4005	400	5.0	150	1.25			5.0	400	150		S1		S21c
2157	R40	400∅	5.0Δ	25A	1.0	50	150A	.020	400	25A		S1Δ	∅Δ	
2158#	RS55AF	400	5.0∅	100	1.3	27.5	100	.10	400	25		S1Δ		
2159	TCR4003	400†	5.0	25C								S1	1	
2163	1N1346	400	6.0∅	150C	1.1∅	150	190J	10*	400	190J		S1	∅	S26Δ
2163a	1N1346A	400	6.0	145B		150		1.5∅	400	150B		S1	∅	DO4Δ
2163b	1N2151	400	6.0	150C	1.2	150	150	.50	400	150C		S1Δ		S35
2163c	1N2151A	400	6.0	150C	1.0	150	150	.10	400	150C		S1Δ		S35
2164	1N2495	400	6.0	150	1.1		190A	.50∅		150C		S1		
2164a	1N2569	400	6.0	150C	1.5	150	150	1.0	400	150C		S1		S35
2164b∅	2N1777	400†	6.0	70B			125A					S1	1	
2164c	6F40	400†	6.0	25			100					S1		S19
2164d#	6GC11	400	6.0∅	75	1.15	200	170S	2.0	400	150J		S1Δ		Δ
2164e	BY705	400	6.0	150C	1.2	150	150	.50	400	150C		S1Δ		DO4
2164f	BY715	400	6.0	150C	1.0	150	150	.10	400	150C		S1Δ		DO4
2164g	BY725	400	6.0	150C	1.5	150	150	1.0	400	150C		S1Δ		DO4
2164h#	BYZ12	400	6.0	25A	1.5	20	100A	.75	400	125B	D	S1Δ		DO4
2164j	KS602HA	400	6.0	150C	1.2Δ	60	175C	3.0∅	400	150C		S1Δ	∅Δ	DO4
2164k	NA640	400	6.0	150	1.1	30	150	5.0	400	150		S1		S4c
2164m#	P4006	400∅	6.0∅	125B	1.2Δ	140	150S	3.0Δ	400	125B		S1Δ	∅Δ#	
2164n∅	2N1777A	400†	7.0	115B			150A					S1	1	
2165	BA40	400	8.0	150B	.50	80	175J	.010	400	25		S1Δ		
2166#	SX754	400	8.0	65A	1.0Δ	150	150S	.50	400	150		S1Δ	∅Δ†#	S16
2167#	ZR24	400	8.0	25A	1.2	70	140A	.50	400	100A		S1Δ		S39Δ
2168*	1N1414	400	10	25	1.25	100	175	.01	320	25	A	S1		
2169	1N1624	400	10	100	1.25		100	5.0	400	25		S1		S43
2169a	1N2025	400†	10∅	150C	1.5		175A	5.0∅		150		S1		
2170	1N2254	400	10	25	.60	200	50	1.0	400	150		S1Δ		
2171	1N2254A	400	10	25	.60	200	50	.50	400	150		S1Δ		
2172	1N2255	400	10	25	.60	200	50	1.0	400	150		S1Δ		
2173	1N2255A	400	10	25	.60	200	50	.50	400	150		S1Δ		
2173a∅	10CR400	400	10	25	1.0	100	200A	10	400	25		S1		C8a
2173b∅	10ER400	400	10	25	1.0	100	200A	1.0	400	25		S1		C8a
2173c#	10GC11	400	10∅	75	1.15	250	170S	3.5	400	150J		S1Δ	∅	Δ
2174	AG4012	400	10	150C	1.5	150	150C	1.0	400	150C		S1		
2175	AM4010	400	10	150C	1.25	150	150C	5.0	400	150C		S1		
2175a	B285	400	10	150	1.2	400	150	5.0∅	400	150		S1Δ		
2175b	C38D	400†	10	55B	1.25	125	55B	4.0				S1	1	S18
2176	CEC410	400	10	150	1.2	400	50	5.0	400	150		S1		
2177	NA4010	400	10	150	1.25			5.0	400	150		S1		S21c
2178	NCR400D	400	10	25				10	400	100		S1	1	S18
2178a#	P4010	400∅	10∅	125B	1.1Δ	230	150S	3.0Δ	400	125B		S1Δ		
2179	S40	400∅	10Δ	25A	1.0	100	150A	.020	400	25A		S1Δ	∅Δ	
2179a#	SCR58	400	10	25	1.25	120	100					S1	1	S40
2179b#	SCR968	400	10	25	1.25	120	100					S1	1	C5
2179c*#	SL401A	400	10∅	30A	1.45*	66	150J	3.0	400	150		S1	∅	S31
2180	TCR402	400†	10∅	100C		150	125A					S1	1	
2182	TCR4010	400†	10	25C								S1	1	

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2187	1N1204	400	12	150C	.65	200	190J	10*	400	190J	F	S1	∅	S27Δ
2188	1N1204A	400	12	145B		240		1.5	400	150B		S1	∅	D04Δ
2188a	1N2580	400	12	150C	1.2	250	150	1.0	400	150C		S1Δ		S35
2188b	1N2591	400	12	150C	1.0	250	150	.20	400	150C		S1Δ		S35
2188c	1N2602	400	12	150C	1.5	250	150	2.0	400	150C		S1Δ		S35
2188d#	2WM4	400†	12	135C	.70		150	10	400	150C		S1		
2188e	12F40	400†	12	25			100					S1		S19
2188f*	40J3P	400†	12	100A	1.2		100A	2.5	400	25A		S1		S23Δ
2188g	B447	400	12		1.2	60	175	2.0	400	150		Δ		D04
2188h	BY805	400	12	150C	1.2	250	150	1.0	400	150C		S1Δ		D04
2188j	BY815	400	12	150C	1.0	250	150	.20	400	150C		S1Δ		D04
2188k	BY825	400	12	150C	1.5	250	150	2.0	400	150C		S1Δ		D04
2189	CA40	400	12	135B	.50	120	175J	.010	400	25		S1Δ		
2189a	NA1240	400	12	150C	1.1		200A	5.0	400	150C		S1		S4c
2189b	TM49	400†	12	150C	1.2	60	190A	2.0		150		S1		
2189c	US123HA	400	12	150C	1.2Δ	130	175C	3.0	400	150C		S1Δ	∅Δ	D04
2189d∅	1N3212	400†	15	150	1.5	250	175A	1.0	400	25		S1		S21b
2189e∅#	3M40	400†	15	110B	1.05	300	140B	5.0	400	130B		S1		
2190	40Q3	400	15	100	1.5		150	20	400	25		S1		
2191	40Q4	400	15	100	1.5		150	20	400	25		S1		
2191a	MR316	400	15	150	1.2	250	175	1.0Δ	400	25		S1Δ		S21bΔ
2191b	MR326	400	15	150	1.2	25	175	1.0Δ	400	25		S1Δ		D05Δ
2192#	R4015	400∅	15	125B	1.2Δ	350	150S	3.0Δ	400	125B		S1Δ	∅Δ#	
2193∅	2N688	400†	16	80B	.86	150	125A	4.0	400	125J	N	S1	1	S18
2193a∅	2N1849	400	16	25B			100A					S1	1	S18
2193b	NCR400E	400	16	25				10	400	125		S1	1	S18
2194	1N1196	400	18	140C	.75	200	190J	10*	400	190J		S1	∅	S29
2194a	DA40	400	18	190J	.75	200	190J	10*	400	190J		S1	∅	
2194b	2040	400†	19	25A	.60	200	175J	1.0	400	150C	M	S1Δ	∅#Δ	D04Δ
2194c∅	B240	400	19	25A	.60			1.0	400	125C		S1	∅	
2194d∅	1N1196A	400†	20Δ	150C		350	175C	2.5	400	150C		S1Δ		D05Δ
2195	1N2276	400	20	25	.60	400	50	1.0	400	150		S1Δ		
2195a	1N2453	400	20	150B	1.1	300	175B	5.0	400	150B		S1Δ	∅Δ	D05Δ
2195b	1N2787	400	20	25A	1.2	200	175A	10	400	150B		S1		D05
2196∅	20CR400	400	20	25	1.0	140	200A	10	400	25		S1		C8a
2196a∅	20ER400	400	20	25	1.0	140	200A	1.0	400	25		S1		C8a
2196b∅	40R3P	400†	20	100A	1.25		100A	25	400	25		S1		S47Δ
2197	40RAP	400	20	100	1.25		100	25	400	25		S1		M25Δ
2199	AM4020	400	20	150C	1.25	300	150C	5.0	400	150C		S1		
2201	DS203HA	400	20	150B	1.1	300	175B	5.0	400	150B		S1Δ	∅Δ	D05
2202	DT203HA	400	20	150B	1.1	300	175B	5.0	400	150B		S1Δ	∅Δ	D05
2203	NA4020	400	20	150	1.25			5.0	400	150		S1		S21c
2204#	R4020	400∅	20	125B	1.1Δ	450	150S	3.0Δ	400	125B		S1Δ	∅Δ#	
2204a∅#	S5B40	400†	20	40A	1.1Δ	360	190J	2.5Δ	400	25A		S1*	#	S50Δ
2205	T40	400∅	20Δ	25A	1.0	250	150A	.200	400	25A		S1Δ	∅Δ	
2205a	TCR4020	400†	20	25C								S1	1	
2206	TR402	400†	20	150C	1.5		175A	5.0		150		S1		
2206a∅#	ZR54	400	20	65A	1.2	360	140A	2.0	400	100A		S1Δ		Δ
2207	1N2301	400	22	40A	1.1Δ	160	135B	10Δ	400	165A		S1Δ		S13Δ
2209	1N2309	400	22	40A	1.1Δ	160	135B	10Δ	400	165A		S1Δ		S14Δ
2210#	3WM4	400†	23	115C	.80	100		10	400	125C		S1		
2213	1N2158	400	25	145B	.60	300	200A	3.0		145B		S1*	∅	D05Δ
2214∅#	25GC11	400	25	75	1.15	500	170S	13	400	150J		S1Δ	∅	Δ
2215	CS120D	400†	25	150C	.55	350	200S	5.0	400	150C		S1		D05
2215b	1N2785	400†	26	25A	.60	200	175J	1.0	400	150C	M	S1Δ	∅Δ#	D04Δ
2215c∅	B340	400	26	25A	.60			1.0	400	125C		S1	∅	
2216	1N1437	400	30	25B	1.2	250	175S	5.0	400	150B		S1		
2217	1N2465	400	30	150B	1.1	450	175B	5.0	400	150B		S1Δ	∅Δ	D05Δ
2218	DS303HA	400	30	150B	1.1	450	175B	5.0	400	150B		S1Δ	∅Δ	D05
2219	DT303HA	400	30	150B	1.1	450	175B	5.0	400	150B		S1Δ	∅Δ	D05
2220#	ZR34	400	30	25A	1.2	360	140A	2.0	400	100A		S1Δ		S38
2220a	3140	400†	34	25A	.60	200	175J	2.0	400	150C	M	S1Δ	∅Δ#	D05Δ
2221	1N1188	400	35	140C	.60	500	190J	20*	400	190J		S1	∅	S29Δ

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			STATUS	DESCRIPTION		
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)		MAT.	USE	DWG. No.
2221a	1N1461	400*	35∅	190J	1.1*	900	190J	20*	400	190J		S1*	∅Δ#	Δ
2222	1N1684	400	35∅	125B	.50∅	500	190B	40∅	400	175B		S1		
2223	1N1685	400	35∅	125B	.50∅	500	190B	40∅	400	175B		S1		
2224	1N2283	400	35	25	.60	400	50	5.0	400	150		S1Δ		
2225	1N2317	400	35∅	40A	1.1Δ	300	135B	20Δ	400	165A		S1Δ		S13Δ
2227	1N2325	400	35∅	40A	1.1Δ	300	135B	20Δ	400	165A		S1Δ		S14Δ
2230	40S3P	400†	35	100A	1.25		100A	40	400	25A		S1		S44Δ
2232	40SAP	400	35	100	1.25		100	40	400	25		S1		M24Δ
2233a	EA40	400	35∅	190J	.60	500	190J	20*	400	190J		S1	∅	
2233c	NA4035	400	35∅	150C	1.5		175A	5.0	400	150		S1		S21c
2234	TR403	400	35∅	150C	1.5		175A	5.0∅		150		S1		
2235	4JA6211D	400	41	35A	1.0	500	100A	13∅	400	150J		S1	∅	
2236#	6WM4	400	42∅	125C	.60∅		100	20	400	125C		S1		
2236a	3240	400†	45∅	25A	.60∅	600	175J	2.0∅	400	150C	M	S1Δ	∅Δ#	DO5Δ
2236b∅	B540	400	45	25A	.60			2.0	400	125C		S1	∅	
2237	1N2433	400	50	150B	1.1Δ	950	175B	10∅	400	150B		S1Δ	∅Δ	DO8Δ
2237a∅#	6A40	400†	50	60B	1.05∅	900	140B	10	400	130B		S1		S29
2237b∅	10A18P	400†	50	150C	1.2			.005	400	150C		S1	∅	Δ
2237c*	40T3P	400†	50	100A	1.2		100A	30	400	25		S1		S45Δ
2237d∅#	50GC11	400	50∅	75	1.15	1000	170S	17.5	400	150J		S1Δ	∅	Δ
2237e	CH116D	400	50	150C		500	150C	20	400	150C	T	S1		DO5
2238	FS503HA	400	50	150B	1.1Δ	950	175B	10∅	400	150B		S1Δ	∅Δ	DO8
2239	FT503HA	400	50	150B	1.1Δ	950	175B	10∅	400	150B		S1Δ	∅Δ	DO8
2239a∅#	S8B40	400†	50∅	40A	1.1Δ	1100	190J	6.3Δ	400	25A		S1*	#	S51Δ
2239b#	S4006	400∅	50∅	125B	1.0Δ	1200	150S	5.0Δ	400	125B		S1Δ	∅Δ#	
2239c∅	TCR4050	400†	50	90C								S1	1	
2240	TH402B	400†	50∅	150C	1.5		175A	15∅		150		S1		S54
2240a∅	TH402B/A	400†	50	150C	1.5		175A	15∅	400	150		S1		S55Δ
2240b∅	TH402B/B	400†	50	150C	1.5		175A	15∅	400	150		S1		M28Δ
2240c∅	TH402B/C	400†	50	150C	1.5		175A	15∅	400	150		S1		M29Δ
2241	4JA6011D	400	53	35A	1.1	500	100A	13∅	400	150J		S1	∅	
2241a#	9WM4	400	55∅	25A	.70∅		100	30	400	150C		S1		
2241b*	1N2135	400	60	130B	.90		190B	10	400	140B		S1	Δ	DO5Δ
2241c*	1N2135A	400	60	180B	.90		140B	10	400	175B		S1	Δ	DO5Δ
2241d	1N2789	400†	60∅	25A	.60∅	600	175J	2.0∅	400	150C	M	S1Δ	∅Δ#	DO5Δ
2241e∅#	25H40	400†	60	180B	1.05∅	900	190B	10	400	175B		S1		S21a
2242#	ZR34C	400	60	120J	1.0	150	110B	.50	400	100A		S1Δ	Δ	
2243#	ZR34F	400	60	120J	1.2	150	110B	.50	400	100A		S1Δ		
2243a	1N1401	400	70∅	140C	1.2∅	1200	190J	30*	400	190J		S1	∅	S14b
2243b	1N2443	400	70	150B	1.1	1200	175B	10∅	400	150B		S1Δ	∅Δ	DO8Δ
2244	4JA60D	400	70	150B	1.1	900	200J	28∅	400	200J		S1		Δ
2246	4JA62D	400	70	100B	1.1	900	150J	28	400	150J		S1		Δ
2247∅	4JA70D	400†	70	150B	.45	1600	200	20	400	25		S1Δ		
2247a∅#	640S2	400	70	25			125A					S1		
2248∅	C50D	400†	70	65B	.80	1000	125A	4.0∅	400	125J		S1	1	
2249*	CH109D	400	70	150	1.3	1500	150	15∅	400	150		S1		S53
2250	FS703HA	400	70	150B	1.1	1200	175B	1.0∅	400	150B		S1Δ	∅Δ	DO8
2251	FT703HA	400	70	150B	1.1	1200	175B	10∅	400	150B		S1Δ	∅Δ	DO8
2251a∅	CH118D	400	80	150	1.3	1500	150	25	400	150		S1		S8e
2252	4040	400†	90∅	25A	.60∅	1200	175J	5.0∅	400	150C		S1Δ	∅Δ#	DO8Δ
2254	40V3P	400†	100	100A	1.25		100A	100	400	25		S1		S45Δ
2256	40VAP	400	100	100	1.25		100	100	400	25		S1		Δ
2258	40W3P	400	100	100	1.25		100	100	400	25		S1		S45Δ
2258a∅#	100GC11	400	100∅	75	1.15	2000	170S	55	400	150J		S1Δ		Δ
2259	U40	400∅	100	25A	1.0	1000	150A	2.0	400	25A		S1Δ	∅Δ	
2259a∅#	ZR44	400	100	25A	1.2	1200	140A	10	400	100A		S1Δ		M18Δ
2259b∅	2N1916	400†	110	59B	.80	1000	125A	4.0∅	400	125J		S1	1	
2260#	T2	400†	115∅	125B	1.0Δ	2100	150S	10Δ	400	125B		S1Δ	Δ#	
2260a	4140	400†	120∅	25A	.60∅	1200	175J	5.0∅	400	150C		S1Δ	∅Δ#	DO8Δ
2260b#	S4AN125	400	120∅	125B	.55∅		125B	30∅	320	125B		S1*	∅Δ#	F19Δ
2260c*	5040	400†	135∅	25A	.60∅	3000	175J	5.0∅	400	150C		S1Δ	∅Δ#	Δ
2261#	6CG14R	400	140	75	1.2	2000	170S	57	400	150J		S1Δ	#	
2262∅	1N3088	400	150∅	130B	.60∅	500	200S	40	400	175B		S1		S8Δ

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2263	40WAP	400	150	100	1.25		100	100	400	25		S1		Δ
2263a#	45L40	400†	150	150B	1.05∅	3000	190B	40	400	175B		S1		S8
2263b	45LB40	400†	150∅	95B	.90∅		130B	10∅	400	130B		S1		S8CΔ
2264	45M40	400	150∅	130B	.60∅	500	200S	40∅	400	175B		S1		Δ
2265	45P40	400	150∅	130B	.60∅	500	200S	40∅	400	175B		S1		S8aΔ
2265a	45TB40	400†	150∅	95B	.90∅		130B	10∅	400	130B		S1		M3Δ
2266	1N1276	400	160∅	190J	.60	2000	190J	40*	400	190J		S1	∅	S14c
2267	1N1286	400	160∅	190J	.60	2000	190J	40*	400	190J		S1	∅	S14g
2268	1N1296	400	160∅	190J	.60	2000	190J	40*	400	190J		S1	∅	S8e
2268a	1N1469	400*	160∅	120C	1.3Δ	3000	190J	40*	400	190J		S1*	∅Δ#	Δ
2269	1N1665	400	160∅	125C	.60∅	2000	190J	40*	400	190J		S1	∅	S14d
2269a∅	15A18P	400†	160	125C	1.2			.04	400	125C		S1	∅	Δ
2269b	160E40	400*	160∅	120C	1.3Δ	3000	190J	40*	400	190J		S1*	∅Δ#	Δ
2269c	5140	400†	160∅	25A	.60∅	3000	175J	5.0∅	50	150C		S1Δ	∅Δ#	Δ
2270#	S4BN200	400	175∅	125B	.55∅		125B	40∅	320	125B		S1*	∅Δ#	F20
2271	40X3P	400	200	100	1.25		100	100	400	25		S1		S46Δ
2273	40XAP	400	200	100	1.25		100	100	400	25		S1		Δ
2273a#	200GC11	400	200∅	75	1.15	5000	170S	85	400	150J		S1Δ		Δ
2273b#	S16B40	400†	200∅	40A	1.1Δ	4700	190J	25Δ	400	25A		S1*	#	M26Δ
2274	W40	400∅	200	25A	1.0	2000	150A	5.0	400	25A		S1Δ	∅Δ	
2274a	1N2061	400	225∅	135B	.55∅	2000	200S	40∅	400	175B		S1		DO7
2274b∅	1N1335	400	240∅	125C	.60∅	3000	190J	50*	400	190J		S1	∅	
2274c∅	1N1381	400	240∅	125C	.60∅	3000	190J	50*	400	190J		S1	∅	S14a
2274d∅	1N1675	400	240∅	125C	.60∅	3000	190J	50*	400	190J		S1	∅	S14f
2275∅	16A18P	400†	240	125C	1.2		150C	.05	400	125C		S1	∅	Δ
2275a	240E40	400*	240∅	190J	1.2Δ	4000	190J	50*	400	190J		S1	∅Δ#	Δ
2275b	240F40	400*	240∅	190J	1.2Δ	4000	190J	50*	400	190J		S1	∅Δ#	Δ
2275c	439H	400	240∅	125C	.60	3000	190	50*	400	190J		S1	∅	S14e
2275e	40Y3P	400	250	100	1.25		100	100	400	25		S1		S46Δ
2275f	70TB40	400	250	80B	.80		130B	10∅	400	130B		S1	4	M3Δ
2275g#	70U40	400†	250	130B	1.05∅	4500	190B	55	400	175B		S1		S8b
2275h	70UB40	400	250	80B	.80		130B	10∅	400	130B		S1	4	S8cΔ
2275j	1N1481	400*	400∅	190J	1.2Δ	8000	190J	75*	400	190J		S1*	∅Δ#	Δ
2275k	400E40	400*	400∅	190J	1.2Δ	8000	190J	75*	400	190J		S1*	∅Δ#	Δ
2276	D40	400∅	400	25A	1.0	4000	150A	10	400	25A		S1Δ	∅Δ	
2276a#	8CG15	400	430	75	1.2	2000	170S	57	400	150J		S1Δ		
2277	1N2116	400	500∅	100A	1.3Δ	15	100A	.70Δ	400	100A		S1		
2278	SD94A	400	500∅	100A	1.05Δ	15	175S	.40Δ	400	100A		S1		
2278a∅	WR400	400	500	25A	1.25	3.3	200	.10	400	100		S1		
2278b	45LB45	410†	150∅	95B	.90∅		130B	10∅	410	130B		S1		S8CΔ
2278c	45TB45	410†	150∅	95B	.90∅		130B	10∅	410	130B		S1		M3Δ
2278d∅	1N488TH	420	.025	150		15	25	.05	420	150		S1		A54
2278e#	GP1N	420∇	.40∅	40	.50∅	60	100J	.05*	600	25A		S1Δ		
2279	CDE1128	420∅	1.0	150	1.1	18	150	.30	600	150	T	S1*		
2279a	CDE2183	420∅	1.0	150	1.1	18	150	.30	600	150	T	S1*		
2279b	CDE1587	420∅	3.0	150	1.5	60	150	.50	600	150	T	S1*		
2279c	CDE2191	420∅	3.0	150	1.5	60	150	5.0	600	150	T	S1*		
2279d	CDE5091L	420∅	3.0	150	1.0	18	150	5.0	600	150	T	S1*		
2279e	CDE1348	420∅	6.0	150	1.25	60	150	5.0	600	150	T	S1*		
2279f	CDE2201	420∅	6.0	150	1.25	60	150	5.0	600	150	T	S1*		
2279g	CDE5051L	420∅	6.0	150	1.2	50	150	5.0	600	150	T	S1*		
2279h	CDE1206	420∅	12	150	1.25	120	150	5.0	600	150	T	S1*		
2279i	CDE2211	420∅	12	150	1.25	120	150	5.0	600	150	T	S1*		
2279j∅	S232	425	.75	25		15	25	.10	425	25		S1		A54
2279k#	MP17	430∇	2.5∅	40	.95Δ	62	160J	15*	650	160J		S1Δ		
2279m#	TH087	430∇	8.0∅	40	.95Δ	100	160J	10*	650	160J		S1Δ		
2279n#	TH207	430∇	17∅	40	.95Δ	230	160J	15*	650	160J		S1Δ		
2279p#	TH807	430∇	70∅	40	.95Δ	800	160J	20*	650	160J		S1Δ		
2280#	E450C50S1	450∇	.05∅	50A		.50	120J	.004Δ	1500	120J	T	S1		
2281	2W4A	450†	.175	25	2.0		150A	.20	450	150		S1		A45
2282	R45	450∅	5.0Δ	25A	1.0	50	150A	.020	450	25A		S1Δ	∅Δ	
2282a∅	CEC1345A	450	6.0	150B	1.2	150	150	2.5	450	150		S1		DO4
2283	S45	450∅	10Δ	25A	1.0	100	150A	.020	450	25A		S1Δ	∅Δ	

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SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2284	T45	450	20	25A	1.0	250	150A	.200	450	25A		S1Δ	Δ	
2284a*	1N2136	450	60	130B	.90		190B	10	450	140B		S1	Δ	DO5Δ
2284b*	1N2136A	450	60	180B	.90		140B	10	450	175B		S1	Δ	DO5Δ
2285	45L45	450	150	130B	.60	500	200S	40	450	175B		S1		S8Δ
2286	45M45	450	150	130B	.60	500	200S	40	450	175B		S1		Δ
2287	45P45	450	150	130B	.60	500	200S	40	450	175B		S1		S8aΔ
2287a	1N2062	450	225	135B	.55	2000	200S	40	450	175B		S1		DO7
2288	70TB45	450	250	80B	.80		130B	10	450	130B		S1	4	M3Δ
2289	70UB45	450	250	80B	.80		130B	10	450	130B		S1	4	S8cΔ
2292	HR10311	475	.20	25		2.0	150	200	500	25		S1		
2293	1N884	500	.05	25	.60			.02	350	25		S1		
2294	S230	500	.05	25		15	25	.10	500	25		S1		A54
2297	1N363	500	.10	100	2.0		200	.25		100		S1		DO2
2297a	1N873	500	.10	25	.60			.02	350	25		S1		
2297b	S205	500	.10	25		15	25	.10	500	25		S1		A54
2298	1N1712	500	.125	150A	.85	10	175S	.30	500	150A		S1		
2298a	AM450	500	.125	150	1.2		150	.30	500	150		S1		
2298b	1N363A	500	.15	100	.60			.25	500	150		S1		DO2
2298c	1N862	500	.15	25	.60			.02	350	25		S1		A21
2299	1N1706	500	.15	100A	.90	8.0	175S	.30	500	100A		S1		A53
2299a#	15J2	500	.15	100A	.50		100	.30	500	100		S1		
2299b	CER500A	500	.15	25	1.2		150A	.20	500	100		S1		
2300	1N685	500	.20	25	1.0	3.0	175A	.20		150		S1		A53
2301	1N851	500	.20	25	.60			.02	350	25		S1		A21
2302	1N3080	500	.20	150A	1.5		175A	.001	500	25		S1		
2303	AJ50	500	.20	150A	1.0		175A	.002	500	25		S1		A19
2304	AM53	500	.20	100C	1.25	8.0	100C	.30	500	100C		S1		
2305	AM56	500	.20	150C	1.25	8.0	150C	.50	500	150C		S1		
2305a	ED2845	500	.20	25				.02	500	100		S1		
2305b	HD6864	500	.20	25				.02	500	100		S1		A21
2305c	MC050	500	.20	25	1.0	1.0	200J	.020	500	100A	T	S1Δ		A2a
2306	NA53	500	.20	100	2.0			.30	500	100		S1		S4b
2307	NA56	500	.20	150	2.0			.50	500	150		S1		
2307a	NP50A	500	.20	150A	1.5		175A	.50	500	150A		S1		
2307b	S107	500	.20	25		15	25	.10	500	25		S1		A54
2307d	SC109	500	.20	150C			175A	.20	500	150C		S1Δ		A21c
2308	TJ50A	500	.20	150A	1.5		175A	.50		150		S1		
2309	TM53	500	.20	100C	2.0		125A	.30		100C		S1		
2310	TM56	500	.20	150C	2.0		175A	.50		150		S1		
2311	1N1486	500	.22	100A	.50	20	150J	3.5*	500	100A		S1		A34b
2312	1N320	500	.25	100	2.0		200	.30		100		S1		DO2
2312a	1N320A	500	.25	100	.60			.25	500	150		S1		DO2
2313	1N1104	500	.25	150A	1.5	15	165A	.20	500	150		S1		DO1
2313a	AM050	500	.25	25A		3.3	150A	.10	350	100A		S1*		
2313b	AS6	500	.25	150A	1.0		175A	.40		150		S1		A19
2313c	CER500B	500	.25	25	1.2		150A	.20	500	100		S1		
2314	PS050	500	.25	25A		3.3	200A	.10	350	100A		S1		A46
2315#	RS26AF	500	.25	100	1.3	2.0	100	.10	500	25		S1*		
2315a	S19A	500	.25	25		15	25	1.5	500	25		S1		A54
2316	1N444	500	.30	100	1.5	15	150A	1.8	500	25		S1		DO3
2317	1N534	500	.30	100			150A	.018	500	25		S1		
2318	1N605	500	.30	100A	1.4	10	170S	.025	500	25A		S1		DO1
2319	1N605A	500	.30	100A	1.1	10	170S	.002	500	25A		S1		DO1
2319a	1S94	500	.30	75	1.15	10	170S	.30	500	150J		S1Δ		Δ
2319b	3GS1	500	.30	70A	1.4	20	150A	.025	500	25A		S1		
2319c	3GS2	500	.30	70A	1.1	20	150A	.002	500	25A		S1		A6a
2319d	HR15	500	.30	75A		30	100	.20	500	25A		S1Δ		
2320	PA350	500	.30	100	1.5	15	100	.50	500	100		S1		
2320a	S95	500	.30	100		15	25	.65	500	100		S1		A54
2321	1N1256	500	.32	25A	1.0		165A	.40	500	125A		S1*		A53
2322	1N327	500	.40	100	2.0		200	.30		100		S1		DO2
2322a	1N327A	500	.40	100	.60			.25	500	150		S1		DO2
2322b	1N648TH	500	.40	25		15	25	.0002	500	25		S1		A54

SEE FOLD-OUT BACK COVER

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION				
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.	
2323	1N686	500†	.40	25	1.0	5.0	175A	.20		150		S1		A53	
2324#	1S110	500	.40	50	1.15	20						S1	Doubler		
2325#	1S114	500	.40	25A	1.0Δ	3.0	150A	2uΔ	500	25A		S1Δ			
2326	AM52	500	.40	100C	1.25	10	100C	.30	500	100C		S1			
2327	AM55	500	.40	150C	1.25	10	150C	.50	500	150C		S1			
2328	NA52	500	.40	100	2.0			.30	500	100		S1		S4b	
2329	NA55	500	.40	150	2.0			.50	500	150		S1		S4b	
2330	PS450	500	.40	25A		3.3	200A	.50	350	150A		S1		A46	
2330a#	SFR155	500	.40	55A	2.0	10	100A	5.0	500	150J		S1*		A39	
2331	TM52	500†	.40	100C	2.0		125A	.30		100C		S1			
2332	TM55	500†	.40	150C	2.0		175A	.50		150		S1			
2333	1N554	500	.50	100A	1.5Δ		150A	3.5u	500	25		S1		A53	
2334	1N1764	500†	.50	75		35	75	1.0	500	100		S1Δ		A53	
2335	1N2085	500	.50	25	.75	15	50	.35	500	25		S1Δ		A53	
2336	1N2095	500	.50	85	.50	15	100	.25	500	85		S1Δ	Δ	M21	
2336a	1N2851	500	.50	120C	.05	15	150A	.30	500	120C		S1*			
2336b#	1NJ12	500†	.50	75			100A	1.0	400	100		S1Δ		DO1	
2336c	50M	500	.50	100	1.5		150	2.0	500	25		S1			
2336d	AS16	500†	.50	150C	1.0			.50		150		S1		S10	
2336e	B293	500	.50	100	1.2	60	100	.50	500	100		S1Δ		A6a	
2336f	BB106	500†	.50	150C	.90	15	165S	.50	500	150		S1	3	A20	
2336g	BB116	500†	.50	150C	.80	15	165S	.10	500	150		S1	3	A20	
2336h	BB126	500†	.50	150C	1.0	15	165S	1.0	500	150		S1	3	A20	
2336i	BD106	500†	.50	150C	.90	15	165S	.50	500	150		S1	3	A20	
2336k	BD116	500†	.50	150C	.80	15	165S	.10	500	150		S1	3	A20	
2336m	BD126	500†	.50	150C	1.0	15	165S	1.0	500	150		S1	3	A20	
2336n	BE106	500†	.50	150C	.90	15	165S	.50	500	150		S1	3	A20	
2336p	BE116	500†	.50	150C	.80	15	165S	.10	500	150		S1	3	A20	
2336q	BE126	500†	.50	150C	1.0	15	165S	1.0	500	150		S1	3	A20	
2337	CEC5050	500	.50	100	1.2	60	50	.50	500	100		S1			
2337a	CR500C	500	.50	25	1.2		150A	.20	500	100		S1			
2337b	DR500	500	.50	25	1.0		200	.10	500	100		S1		A1	
2338	E500	500	.50	100	.50	15	100	.50	500	100		S1Δ	Δ		
2338a	EER500-2	500	.50	25	1.0		200A	.025	500	25		S1		A11	
2338b#	HR25	500	.50	75A		35	100	.10	500	25A		S1			
2339	NL50	500	.50	100	1.5			1.0		100		S1		A6	
2340	PS150	500	.50	25A	1.5Δ	3.3	200A	.50	350	150A		S1		A47	
2340a	PS2248	500†	.50	25			175A	.04	500	100		S1	4		
2341	PT550	500	.50	100A	1.5	15	100A	.50	500	100A		S1*			
2341a	S15	500	.50	25		15	25	.015	500	25		S1		A54	
2341b	S18	500	.50	80	1.2	15	150	.10	500	25		S1Δ			
2341c	S18A	500	.50	25		15	25	.05	500	25		S1		A54	
2341d	S255	500	.50	100		60	25	.50	500	100		S1		A54	
2341e	SER500	500	.50	25	1.0		200A	.025	500	25		S1		P5	
2342	SR50	500†	.50		1.5		170	.50				S1			
2342a	UT237	500	.50	150	.60			.30	500	150		S1		A60	
2342b	SD95	500†	.55	50				.65	500	100		S1			
2342c	1N1696	500	.60	50A	.60	20	115A	.50	500	100A		S1		DO3	
2342d#	1S125	500	.60	40A	1.3Δ	15	100	.05Δ	500	25A		S1*		A34a	
2342e#	1S1696	500	.60	50A	.60	20	115A	.50Δ	500	100		S1*			
2342f#	OY5065	500†	.60	25A		5.0	150J	.01	500	25A		S1*			
2342g	S18B	500	.60	25		15	25	.10	500	25		S1		A54	
2342h	X5A5	505†	.625	100A	.92	50	130A	.20	500	100	D	S1Δ		A36	
2342i	X5M5	500†	.625	100	.92	50	130A				D	S1Δ		S41	
2342k#	1S1095	500	.675	50A	.50	15	175A	.30Δ	500	150		S1*			
2342m#	SJ501F	500	.70	25A	1.7*	7.0	120J	.50*	500	120J		S1		A34c	
2343	1N444B	500	.75	50	1.5Δ	15	165A	1.8uΔ	500	25		S1		DO3	
2344	1N1095	500	.75	50A	.50	15	150A	.30		150		S1	∅	DO3	
2345	1N1491	500	.75	25A	.55	15	125A	.30		125		S1		DO3	
2345a	1N1560	500	.75	100C	1.4Δ		100C	1.0Δ	500	100C		S1*	Δ		
2345b	1N1652	500	.75	50A	1.0	15	150A	.30	350	150A		S1		A53	
2346	1N2079	500	.75	25A								S1*		A53	
2347	1N2108	500†	.75	25		10	165A	.30	500	25		S1Δ		A53	

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LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2347a	1N2488	500	.75	55	1.0		150	1.0	500	25		S1		A6b
2347b	1N2614	500	.75	50	1.1Δ	30	175A	.50	500	150A		S1Δ		A31a
2347c	1N2863	500	.75	75		40	125A	.30	500			S1		
2347d#	1S004	500	.75	50A	1.0∅	15	150A	.01Δ	500	25A		S1Δ		
2347e∅#	1S104	500	.75∅	75	1.15	20	170S	.50	500	150J		S1Δ		Δ
2347f∅#	1S115	500	.75	25A	1.2Δ	15	125	.005Δ	500	25A		S1*		A34a
2348#	1T2015	500†	.75	35A		15	150J	.33	500	150A		S1		A34a
2348a#	1WM5	500†	.75∅	50A	.50∅		115A	1.5	500	125C		S1		
2349#	5G8	500	.75Δ	50A	1.0	15	165	1.75Δ	500	25		S1*	∅Δ	
2349a	7MA50	500*	.75∅	75A	.65∅	35	75A	.25∅	500	75A		S1*	∅Δ	
2349b	BC206	500	.75	25	2.8	15		.50	500	150		S1	Δ	A21b
2349c∅	CER500	500	.75	25	1.2		150A	.20	500	100		S1		
2349d	S85	500	.75	80	1.2	15	150	.02	500	25		S1		
2349f	SD95A	500†	.75	50				.50	500	100		S1		
2350#	SX635	500	.75	35A	1.5Δ	20	135J	.05	500	100	T	S1*	∅Δ†#	
2350a∅	TK50	500†	.75	50	1.1	15		.01	500	25		S1		
2350b∅	UT245	500	.75	150	.75			.30	500	150		S1		A60
2350c∅	XS18	500	.75	25		15	25	.10	500	25		S1		A54
2350d#	ZR15	500	.75	25A	1.0	70	140A	.50	500	100A		S1Δ		A42Δ
2350e#	ZR15T	500	.75	25A	1.0	70	140A	.50	500	100A		S1Δ		Δ
2351	1N613	500	.80∅	100A	1.6Δ	10	170S	.025Δ	500	25A		S1		DO4
2352	1N613A	500	.80∅	100A	1.3Δ	10	170S	.002Δ	500	25A		S1		DO4
2352a∅#	3QT1	500†	.80	75A	1.4∅	20	150A	.025	500	25A		S1		S27
2352b∅#	3QT2	500†	.80	75A	1.1∅	20	150A	.002	500	25A		S1		S27
2352c	1N1555	500	1.0∅	100C	1.4Δ		100C	1.0Δ	500	100C		S1*	Δ#	
2352d	1N2030	500†	1.0∅	150C	2.0		175A	.50∅		150		S1		S4b
2353	1N2268	500	1.0	25	.60	20	50	.35	500	150		S1Δ		
2354	1N2269	500	1.0	25	.60	20	50	.35	500	150		S1Δ		
2354a∅	1R500	500	1.0	25	1.0		200A	.01	500	25		S1		A9
2354b∅	3R500	500	1.0	25	1.3		200A	.25	500	25		S1		A9
2355	AM51	500	1.0	100C	1.25	20	100C	.30	500∅	100C		S1		
2356	AM54	500	1.0	150C	1.25	20	150C	.50	500∅	150C		S1		
2356a	BC106	500	1.0	25	1.5	20		.50	500	150		S1	Δ	A21b
2356b	BY106	500	1.0	150C	.90	25	150	.50	500	150C		S1Δ		DO2
2356c	BY116	500	1.0	150C	.80	25	150	.10	500	150C		S1Δ		DO2
2356d	BY126	500	1.0	150C	1.0	25	150	1.0	500	150C		S1Δ		DO2
2357	CA102KA	500	1.0	25	1.2Δ	15	150A	.30∅	500	150A		S1Δ	∅Δ	
2358	CC102KA	500	1.0	25	1.2Δ	15	150A	.30∅	500	150A		S1Δ	∅Δ	
2359	CF102KA	500	1.0	25	1.2Δ	15	150A	.30∅	500	150A		S1Δ		
2360	CP102KA	500	1.0	25	1.2Δ	15	150A	.30∅	500	150A		S1Δ		
2360a∅	ECR500-1	500	1.0	25	1.3	140	200A	.25	500	25		S1		A10
2360b∅	EER500-1	500	1.0	25	1.0		200A	.01	500	25		S1		A10
2361	NA51	500	1.0	100	2.0			.30	500	100		S1		S4b
2363#	RS36BF	500	1.0∅	100	1.5	4.0	100	.10	500	25		S1*		
2364	TM51	500†	1.0∅	100C	2.0		125A	.30∅		100C		S1		
2364a∅	UT255	500	1.0	150	.75			.30	500	150		S1		A60
2365∅	X10B5	500†	1.3	40A	1.1		175A	.50	500	150		S1		
2366	1N1119	500	1.5	70	.65∅	15	155A	.30∅		150		S1		DO4
2366a∅	1N1454	500†	1.5	100C	1.0		150C	5.0	500	25		S1		S41a
2366b	1N1912	500†	1.5	25		30	200A	.01	500	25		S1Δ		
2367	1N2218	500	1.5	25	.60	20	50	.50	500	150		S1Δ		
2368	1N2219	500	1.5	25	.60	20	50	.50	500	150		S1Δ		
2370	1N2395	500	1.5	55A	1.2	35	150A	.30∅	500	150A		S1Δ	∅Δ	A32
2371	1N2404	500	1.5	55A	1.2	35	150A	.30∅	500	150A		S1Δ	∅Δ	C8
2372	1N2413	500	1.5	55A	1.2	35	150A	.30∅	500	150A		S1Δ	∅Δ	C9
2373	1N2422	500	1.5	55A	1.2	35	150A	.30∅	500	150A		S1Δ	∅Δ	F8
2373a∅#	1S1119	500	1.5	70	.65∅	15	155A	.30∅		150		S1		
2374	4JA411E	500	1.5	25	1.0		155A					S1	∅	
2374a∅	50J1	500†	1.5	100	.85		100A	2.5	500	25		S1		A52
2374c	CA152KA	500	1.5	55A	1.2	35	150A	.30∅	500	150A		S1Δ	∅Δ	A32
2374d	CC152KA	500	1.5	55A	1.2	35	150A	.30∅	500	150A		S1Δ	∅Δ	C8
2374e	CF152KA	500	1.5	55A	1.2	35	150A	.30∅	500	150A		S1Δ	∅Δ	F8
2374f	CP152KA	500	1.5	55A	1.2	35	150A	.30∅	500	150A		S1Δ	∅Δ	C9

SEE FOLD-OUT BACK COVER

for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2374g#	S2A50	500†	1.5∅	40A	1.1Δ	58	190J	.50Δ	500	25A		S1Δ		A56Δ
2374h#	SJ501A	500	1.5∅	25A	1.7*	7.0	120J	.50*	500	120J		S1	∅	S30
2375	1N1223	500	1.6∅	140C	1.0∅	20	175J	1.5*	500	150J		S1	∅	A34b
2376	1N1223A	500	1.6∅	140C	1.0∅	20	175J	.50*	500	150J		S1	∅	A34b
2377	1N1233	500	1.6∅	140C	1.0∅	20	175J	1.5*	500	150J		S1	∅	S25
2378	1N1233A	500	1.6∅	140C	1.0∅	20	175J	.50*	500	150J		S1	∅	S25
2379	1N1543	500	1.6∅	140C	1.0∅	20	175J	.50*	500	150J		S1	∅	S28
2380	1N2114	500†	2.0	25		10	165A	.30	500	25		S1Δ		
2381∅	50LA	500†	2.0	100	1.0		100A	2.5	500	25		S1		F17Δ
2382	HR10679	500	2.0∅	135	1.5		160	.05	500	25		S1Δ		S11a
2382a∅	UT265	500	2.0	150	.75			.30	500	150		S1		A60
2382b	1N2529	500	2.5	150C	1.2	50	150	.50	500	150C		S1Δ		S35
2382c	1N2540	500	2.5	150C	1.0	50	150	.10	500	150C		S1Δ		S35
2382d	1N2551	500	2.5	150C	1.5	50	150	1.0	500	150C		S1Δ		S35
2382e	BY206	500	2.5	150C	1.2	50	150	.50	500	150C		S1Δ		DO4
2382f	BY216	500	2.5	150C	1.0	50	150	.10	500	150C		S1Δ		DO4
2382g	BY226	500	2.5	150C	1.5	50	150	1.0	500	150C		S1Δ		DO4
2382h∅#	MP18	500∇	2.5∅	40	.95Δ	62	160J	10*	750	160J		S1Δ		
2383	1N1127	500†	3.0Δ	50		25	150	.01	500	25A		S1Δ		DO4Δ
2385	1N1586	500†	3.0∅	150C	1.5		175A	.50∅		150		S1		
2386a#	1S404	500	3.0∅	50A		25	150A	.01Δ	500	25A		S1Δ		Δ
2386b∅	2R500	500	3.0	25	1.0		200A	.01	500	25		S1		S36
2386c∅#	3HC11	500	3.0∅	75	1.15	90	170S	1.5	500	150J		S1Δ		Δ
2386d∅	4R500	500	3.0	25	1.3		200A	.25	500	25		S1		S36
2386e	AA50	500	3.0	150B	.50	20	175J	.010	500	25		S1Δ		
2387	AM57	500	3.0	150C	1.25	40	150C	.50	500∅	150C		S1		
2388	CE302KA	500	3.0	25	1.2Δ	15	150A	.30∅	500	150C		S1Δ	∅Δ	
2389	CH302KA	500	3.0	25	1.2Δ	15	150A	.30∅	500	150C		S1Δ	∅Δ	
2390	CK302KA	500	3.0	25	1.2Δ	15	150A	.30∅	500	150C		S1Δ	∅Δ	
2391	CS302KA	500	3.0	25	1.2Δ	15	150A	.30∅	500	150C		S1Δ	∅Δ	
2393	S55	500	3.0	80	1.3	20	150	.10	500	25		S1		
2394∅	1N1127A	500	3.3	50				.01	500	25		S1		
2399	CK850	500	3.5	30	1.0	20		.002	500	25		S1Δ		
2399a	1N1922	500†	4.0	25		30	200A	.01	500	25		S1Δ		
2399b	1N2516	500	4.0	35A		25	165A	.002	500	25		S1Δ	Δ	
2399c	1N2522	500	4.0	35A		25	165A	.002	500	25		S1Δ		
2400	1N2236	500	5.0	25	.60	100	50	.50	500	150		S1Δ		
2401	1N2236A	500	5.0	25	.60	100	50	.35	500	150		S1Δ	∅Δ#	
2402	1N2237	500	5.0	25	.60	100	50	.50	500	150		S1Δ		
2403	1N2237A	500	5.0	25	.60	100	50	.35	500	150		S1Δ		
2403a∅	9A19P	500	5.0	150C	1.5		150C	.001	500	150C		S1	∅	Δ
2403b#	15R2	500	5.0	25	.63		165	5.0	500	150		S1		
2403c	AM5005	500	5.0	150C	1.25		150C	5.0	500	150C		S1		
2404	R50	500∅	5.0Δ	25A	1.0	50	150A	.020	500	25A		S1Δ	∅Δ	
2407	1N1347	500	6.0∅	150C	1.1∅	150	190J	10*	500	190J		S1	∅	S26Δ
2408	1N1347A	500	6.0	145B		150		1.25∅	500	150B		S1	∅	DO4Δ
2409a	1N2152	500	6.0	150C	1.2	150	150	.50	500	150C		S1Δ		S35
2409b	1N2152A	500	6.0	150C	1.0	150	150	.10	500	150C		S1Δ		S35
2410	1N2496	500	6.0	150	1.1		190A	.50∅		150C		S1		
2410a	1N2570	500	6.0	150C	1.5	150	150	1.0	500	150C		S1Δ		S35
2410b	6F50	500†	6.0	25			100					S1		S19
2410c∅#	6HC11	500	6.0∅	75	1.15	200	170S	2.0	500	150J		S1Δ		Δ
2410d	BY706	500	6.0	150C	1.2	150	150	.50	500	150C		S1Δ		DO4
2410e	BY716	500	6.0	150C	1.0	150	150	.10	500	150C		S1Δ		DO4
2410f	BY726	500	6.0	150C	1.5	150	150	1.0	500	150C		S1Δ		DO4
2410g	KS602KA	500	6.0	150C	1.2Δ	60	175C	3.0∅	500	150C		S1Δ	∅Δ	DO4
2410h	NA650	500	6.0	150	1.1	30	150	5.0	500	150		S1		S4c
2410j#	P5006	500∅	6.0∅	125B	1.2Δ	140	150S	3.0Δ	500	125B		S1Δ		
2411	BA50	500	8.0	150B	.50	80	175J	.010	500	25		S1Δ		
2411a∅#	TH088	500∇	8.0∅	40	.95Δ	100	160J	5.0*	750	160J		S1Δ		
2412	1N2256	500	10	25	.60	200	50	1.0	500	150		S1Δ		
2413	1N2256A	500	10	25	.60	200	50	.50	500	150		S1Δ		
2414	1N2257	500	10	25	.60	200	50	1.0	500	150		S1Δ		

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SEE FOLD-OUT BACK COVER

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2415	1N2257A	500	10	25	.60	200	50	.50	500	150		S1Δ		
2415a∅	10CR500	500	10	25	1.0	100	200A	10	500	25		S1		C8a
2415b∅	10ER500	500	10	25	1.0	100	200A	1.0	500	25		S1		C8a
2415c∅#	10HC11	500	10∅	75	1.15	250	170S	3.0	500	150J		S1Δ	∅	Δ
2415d∅	50J2	500†	10	100	1.25		100A	2.5	500	25		S1		S43Δ
2416	AG5012	500	10	150C	1.5	150	150C	1.0	500	150C		S1		
2416a	AM5010	500	10	150C	1.25		150C	5.0	500	150C		S1		
2416b	B286	500	10	150	1.2	400	150	5.0∅	500	150		S1Δ		
2416c	CEC510	500	10	150	1.2	400	50	5.0	500	150		S1		
2417	NA5010	500	10	150	1.5	45	150	5.0	500	150		S1		
2418	S50	500∅	10Δ	25A	1.0	100	150A	.020	500	25A		S1Δ	∅Δ	
2419	TR501	500†	10∅	150C	1.5		175A	5.0∅		150		S1		
2424	1N1205	500	12∅	150C	.65∅	200	190J	10*	500	190J	F	S1	∅	S27Δ
2425	1N1205A	500	12	145B		240		1.25∅	500	150B		S1	∅	DO4Δ
2425a	1N2581	500	12	150C	1.2	250	150	1.0	500	150C		S1Δ		S35
2425b	1N2592	500	12	150C	1.0	250	150	.20	500	150C		S1Δ		S35
2425c	1N2603	500	12	150C	1.5	250	150	2.0	500	150C		S1Δ		S35
2425d#	2WM5	500†	12∅	135C	.70∅		150	10	500	150C		S1		
2425e∅	7B19P	500†	12	150C	1.5		150C	.01	500	150C		S1	∅	Δ
2425f	12F50	500†	12	25			100					S1		S19
2425g∅	50J3	500†	12	100	1.25		100A	2.5	500	25		S1		S23Δ
2425h	B448	500	12		1.2	60	175	2.0	500	150		Δ		DO4
2425j	BY806	500	12	150C	1.2	250	150	1.0	500	150C		S1Δ		DO4
2425k	BY816	500	12	150C	1.0	250	150	.20	500	150C		S1Δ		DO4
2425m	BY826	500	12	150C	1.5	250	150	2.0	500	150C		S1Δ		DO4
2426	CA50	500	12	135B	.50	120	175J	.010	500	25		S1Δ		
2426a	NA1250	500	12	150C	1.1		200A	5.0	500	150C		S1		S4c
2426b	TM59	500†	12	150C	1.2	60	190A	2.0∅		150		S1		
2426c	US123KA	500	12	150C	1.2Δ	130	175C	3.0∅	500	150C		S1Δ	∅Δ	DO4
2426d∅#	3M50	500†	15	110B	1.05∅	300	140B	5.0	500	130B		S1		
2426e#	R5015	500∅	15∅	125B	1.2Δ	350	150S	3.0Δ	500	125B		S1Δ		
2426f∅	2N689	500	16	80B	.86	150	125A	6.5∅	500	125J		S1	1	S18
2426g∅	2N1850	500	16	25B			100A					S1	1	S18
2426h∅#	TH208	500∅	17∅	40	.95Δ	230	160J	10*	750	160J		S1Δ		
2427	1N1197	500	18∅	140C	.75	200	190J	10*	500	190J		S1	∅	S29
2427a	DA50	500	18∅	190J	.75	200	190J	10*	500	190J		S1	∅	
2427b	2050	500†	19∅	25A	.60∅	200	175J	1.0∅	500	150C	M	S1Δ	∅Δ#	DO4Δ
2427c∅	1N1197A	500†	20Δ	150C		350	175C	2.2	500	150C		S1Δ		DO5Δ
2428	1N2277	500	20	25	.60	400	50	1.0	500	150		S1Δ		
2428a	1N2454	500	20	150B	1.1	300	175B	5.0∅	500	150B		S1Δ	∅Δ	DO5Δ
2429∅	6B19P	500†	20	150C	1.5		150C	.005	500	150C		S1	∅	Δ
2429a∅	20CR500	500	20	25	1.0	140	200A	10	500	25		S1		C8a
2429b∅	20ER500	500	20	25	1.0	140	200A	1.0	500	25		S1		C8a
2429c∅	50R3P	500†	20	100	1.3		100A	10	500	25		S1		S47Δ
2430	DS203KA	500	20	150B	1.1	300	175B	5.0∅	500	150B		S1Δ	∅Δ	DO5
2431	DT203KA	500	20	150B	1.1	300	175B	5.0∅	500	150B		S1Δ	∅Δ	DO5
2431a	NA5020	500	20	150	1.5	90	150	5.0	500	150		S1		
2431b∅#	S5B50	500†	20∅	40A	1.1Δ	360	190J	2.5Δ	500	25A		S1*	#	S50Δ
2432	T50	500∅	20Δ	25A	1.0	250	150A	.200	500	25A		S1Δ	∅Δ	
2433	TR502	500†	20	150C	1.5		175A	5.0∅		150C		S1		
2433a∅#	ZR55	500	20	65A	1.2	360	140A	2.0	500	100A		S1Δ		Δ
2434#	3WM5	500†	23∅	115C	.80∅		100	10	500	125C		S1		
2435	1N2159	500	25	145B	.60∅	300	200A	2.5∅		145B		S1*	∅	DO5Δ
2436∅#	25HC11	500	25∅	75	1.15	500	170S	10	500	150J		S1Δ	∅	Δ
2436a	CS120E	500†	25	150C	.55	350	200S	5.0∅	500	150C	M	S1		DO5
2437	2150	500†	28∅	25A	.60∅	200	175J	1.0∅	500	150C		S1Δ	∅Δ#	DO4Δ
2437a	1N2466	500	30	150B	1.1	450	175B	5.0∅	500	150B		S1Δ	∅Δ	DO5Δ
2438	DS303KA	500	30	150B	1.1	450	175B	5.0∅	500	150B		S1Δ	∅Δ	DO5
2439	DT303KA	500	30	150B	1.1	450	175B	5.0∅	500	150B		S1Δ	∅Δ	DO5
2439a#	ZR35	500	30	25A	1.2	360	140A	2.0	500	100A		S1Δ		S38Δ
2439b	3150	500†	34∅	25A	.60∅	200	175J	2.0∅	500	150C	M	S1Δ	∅Δ#	DO5Δ
2440	1N1189	500	35∅	140C	.60	500	190J	20*	500	190J		S1	∅	S29Δ
2441	1N1686	500	35∅	125B	.50∅	500	190B	40∅	500	175B		S1		

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LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2442	1N2284	500	35	25	.60	400	50	5.0	500	150		S1Δ		
2442a	35F50	500*	35	190J	1.1*	900	190J	20*	500	190J		S1*	Δ#	Δ
2443	50S3P	500†	35		1.3		100A	20	500	25		S1		S44
2443a	EA50	500	35	190J	.60	500	190J	20*	500	190J		S1	∅	
2443c	NA5035	500	35	150C	1.5		175A	5.0	500	150		S1		S21c
2443d	TR503	500†	35	150C	1.5	150	175A	5.0	500	150		S1		
2444#	6WM5	500	42	125C	.60		100	20	500	125C		S1		
2444a	3250	500†	45	25A	.60	600	175J	2.0	500	150C	M	S1Δ	Δ#	DO5Δ
2445	1N2434	500	50	150B	1.1Δ	950	175B	10	500	150B		S1Δ	Δ	DO8Δ
2445a	6A50	500†	50	60B	1.05	900	140B	10	500	130B		S1		S29
2445b	10A19P	500†	50	150C	1.2			.005	500	150C		S1	∅	Δ
2445c	50HC11	500	50	75	1.15	1000	170S	15	500	150J		S1Δ	∅	Δ
2445d	50T3P	500†	50		1.2		100A	25	500	25		S1		S45Δ
2446	FS503KA	500	50	150B	1.1Δ	950	175B	10	500	150B		S1Δ	Δ	DO8
2447	FT503KA	500	50	150B	1.1Δ	950	175B	10	500	150B		S1Δ	Δ	DO8
2447a	S8B50	500†	50	40A	1.1Δ	1100	190J	6.3	500	25A		S1*	#	S51Δ
2447b	S5006	500	50	125B	1.0Δ	1200	150S	5.0	500	125B		S1Δ		
2447c	9WM5	500	55	25A	.70		100	30	500	150C		S1		
2447d*	1N2137	500	60	130B	.90		190B	10	500	140B		S1	Δ	DO5Δ
2448*	1N2137A	500	60	180B	.90		140B	10	500	175B		S1	Δ	DO5Δ
2448a	25H50	500†	60	180B	1.05	900	190B	10	500	175B		S1		S21a
2448b	3350	500†	60	25A	.60	600	175J	2.0	500	150C	M	S1Δ	Δ#	DO5Δ
2448c	1N1402	500	70	140C	1.2	1200	190J	30*	500	190J		S1	∅	S14b
2448d	1N2444	500	70	150B	1.1	1200	175B	10	500	150B		S1Δ	Δ	DO8Δ
2448e	4JA70E	500†	70	150B	.45	1600	200	16	500	25		S1Δ		
2449*	CH109E	500	70	150	1.3	1500	150	15	500	150		S1		S53
2450	FS703KA	500	70	150B	1.1	1200	175B	10	500	150B		S1Δ	Δ	DO8
2451	FT703KA	500	70	150B	1.1	1200	175B	10	500	150B		S1Δ	Δ	DO8
2451a	TH808	500	70	40	.95	800	160J	15*	750	160J		S1Δ		
2451b	50V3P	500†	100		1.2		100A	60	500	25		S1		S45Δ
2451c	100HC11	500	100	75	1.15	2000	170S	40	500	150J		S1Δ		Δ
2451d#	S5AN125	500	120	125B	.55		125B	30	400	125B		S1*	Δ#	F19Δ
2452#	6CH14R	500	130	75	1.2	2000	170S	47	500	150J		S1Δ	#	
2454	1N3089	500	150	130B	.60	500	200S	40	500	175B		S1		S8Δ
2454a	45L50	500†	150	150B	1.05	3000	190B	40	500	175B		S1		S8
2454b	45LB50	500†	150	95B	.90		130B	10	500	130B		S1		S8CΔ
2455	45M50	500	150	130B	.60	500	200S	40	500	175B		S1		Δ
2456	45P50	500	150	130B	.60	500	200S	40	500	175B		S1		S8aΔ
2456a	45TB50	500†	150	95B	.90		130B	10	500	130B		S1		M3Δ
2456b	50W3P	500†	150	100	1.2		100A	60	500	25		S1		S45Δ
2457	1N1277	500	160	190J	.60	2000	190J	40*	500	190J		S1	∅	S14c
2458	1N1287	500	160	190J	.60	2000	190J	40*	500	190J		S1	∅	S14g
2459	1N1297	500	160	190J	.60	2000	190J	40*	500	190J		S1	∅	S8e
2460	1N1666	500	160	125C	.60	2000	190J	40*	500	190J		S1	∅	S14d
2460a	15A19P	500†	160	125C	1.2			.04	500	125C		S1	∅	Δ
2460b	160E50	500*	160	120C	1.3Δ	3000	190J	40*	500	190J		S1*	Δ#	Δ
2460c	160F50	500*	160	120C	1.3Δ	3000	190J	40*	500	190J		S1*	Δ#	Δ
2460d#	S5BN200	500	175	125B	.55		125B	40	400	125B		S1*	Δ#	F20
2460e	50X3P	500†	200	100	1.2		100A	60	500	25		S1		S46Δ
2460f	200HC11	500	200	75	1.15	5000	170S	75	500	150J		S1Δ		Δ
2460g#	S16B50	500†	200	40A	1.1Δ	4700	190J	25Δ	500	25A		S1*	#	M26Δ
2460h	1N2063	500	225	135B	.55	2000	200S	40	500	175B		S1		DO7
2460j	1N1336	500	240	125C	.60	3000	190J	50*	500	190J		S1	∅	
2460k	1N1382	500	240	125C	.60	3000	190J	50*	500	190J		S1	∅	S14a
2460l	1N1676	500	240	125C	.60	3000	190J	50*	500	190J		S1	∅	S14f
2461	16A19P	500†	240	125C	1.2		150C	.05	500	125C		S1	∅	Δ
2461a	240E50	500*	240	190J	1.2Δ	4000	190J	50*	500	190J		S1	Δ#	Δ
2461b	240F50	500*	240	190J	1.2Δ	4000	190J	50*	500	190J		S1	Δ#	Δ
2461c	439K	500	240	125C	.60	3000	190	50*	500	190J		S1	∅	S14e
2461d	50Y3P	500†	250	100	1.2		100A	60	500	25		S1		S46Δ
2461e	70TB50	500	250	80B	.80		130B	10	500	130B		S1	4	M3Δ
2461f	70U50	500†	250	130B	1.05	4500	190B	55	500	175B		S1		S8b
2461g	70UB50	500	250	80B	.80		130B	10	500	130B		S1	4	S8cΔ

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SEE FOLD-OUT BACK COVER

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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			STATUS	DESCRIPTION		
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)		MAT.	USE	DWG. No.
2461h#	8CH15	500	400	75	1.2	7000	170S	47	500	150J		S1Δ		
2461j	400E50	500*	400∅	190J	1.2Δ	8000	190J	75*	500	190J		S1*	∅Δ#	Δ
2461k	400F50	500*	400∅	190J	1.2Δ	8000	190J	75*	500	190J		S1		
2462	2W5A	540†	.175	25	3.0		150A	.20	525	150		S1		A45
2462a	1N3106	550	.75	25		30	200A	.05	800	25		S1Δ		
2462b	1N3108	550	1.5	25		30	200A	.05	800	25		S1Δ		
2463	R55	550∅	5.0Δ	25A	1.0	50	150A	.020	550	25A		S1Δ	∅Δ	
2464	S55	550∅	10Δ	25A	1.0	100	150A	.020	550	25A		S1Δ	∅Δ	
2465	T55	550∅	20Δ	25A	1.0	250	150A	.200	550	25A		S1Δ	∅Δ	
2465a	CDE5091P	560∅	3.0	150	1.0	18	150	5.0	800	150	T	S1*		
2465b	CDE5051P	560∅	6.0	150	1.2	50	150	5.0	800	150	T	S1*		
2466	1N256	570†	.20∅	135	2.0		175A	.25∅		150	M	S1		DO4
2467	HR10312	575	.20	25		2.0	150	200	600	25		S1		
2467a∅	PS2415	600	.04	25	2.0		150A	5.0	600	25		S1	4	C15
2467b	1N885	600	.05	25	.60			.02	420	25		S1		
2467c∅	S239	600	.05	25		15	25	.10	600	25		S1		A54
2467d	1N874	600	.10	25	.60			.02	420	25		S1		
2468	1N1406	600	.10∅	75A	5.0Δ	6.0	170S	.10∅	600	75A		S1		A53
2469	1N2373	600	.10∅	100A	3.0Δ	3.5	150A	.100Δ	600	100A		S1		A53
2469a∅#	66-0706	600†	.10	75A	4.2∅	20	150A	.025	600	25A		S1		
2469b∅	S206	600	.10	25		15	25	.10	600	25		S1		A54
2469c∅	S218	600	.10	25			25	.50	600	25		S1		A54
2470	1N596	600	.125∅	75A	3.0Δ	1.0	150A	.025Δ	600	25A		S1		
2470a	AM460	600	.125	150	1.2		150	.30∅	600	150		S1		
2470b	1N863	600	.15	25	.60			.02	420	25		S1		A21
2470c#	16J2	600	.15	100A	.50		100	.30	600	100		S1		
2470d∅	CER71A	600	.15	25	1.2		150A	.20	600	100		S1		
2470e∅	CER710A	600	.15	25	1.2		150A	.05	600	100		S1		
2471	1N687	600†	.20∅	25	1.0	3.0	175A	.20∅		150		S1		A53
2472	1N852	600	.20	25	.60			.02	420	25		S1		A21
2473∅	1N3081	600†	.20	150A	1.5		175A	.001	600	25		S1		
2474	AJ60	600†	.20∅	150A	1.0		175A	.002	600	25		S1		A19
2475	AM63	600	.20	100C	1.25	8.0	100C	.30	600∅	100C		S1		
2476	AM66	600	.20	150C	1.25	8.0	150C	.50	600	150C		S1		
2476a	ED2846	600	.20	25				.025	600	100		S1		
2476b	HD6865	600	.20Δ	25				.025Δ	600	100		S1		A21
2476c∅	MC060	600	.20	25	1.0	1.0	200J	.025	600	100A	T	S1Δ		A2a
2477	NA63	600	.20	100	2.0			.30	600	100		S1		S4b
2478	NA66	600	.20	150	2.0			.50	600	150		S1		S4b
2478a	NP60A	600	.20	150A	1.5		175A	.50	600	150A		S1		
2478b	SC110	600	.20	150C			175A	.20	600	150C		S1Δ		A21c
2479	TJ60A	600†	.20∅	150A	1.5		175A	.50∅		150		S1		
2480	TM63	600†	.20∅	100C	2.0		125A	.30∅		100C		S1		
2481	TM66	600†	.20∅	150A	2.0		175A	.50∅		150		S1		
2482	1N547	600	.25	150	.50∅	15	165A	.35	600	150	M	S1	∅	DO1
2483	1N1105	600	.25	150A	1.5Δ	15	165A	.20	600	150		S1		DO1
2483a	2SJ60A	600	.25	125	.60			.21	600	125		S1		DO2
2483b	AM060	600	.25∅	25A		3.3	150A	.10∅	420	100A		S1*		
2483c∅	CER71B	600	.25	25	1.2		150A	.20	600	100		S1		
2483d∅	CER710B	600	.25	25	1.2		150A	.05	600	100		S1		
2484	PS060	600∅	.25∅	25A		3.3	200A	.10∅	420∇	100A		S1		A46
2485#	RS27AF	600	.25	100	1.3	2.0	100	.10	600	25		S1*		
2485a∅.	S36	600	.25	25		15	25	.10	600	25		S1		A54
2486	1N445	600	.30	100	1.5Δ	15	150A	.002Δ	600	25		S1		
2487	1N535	600	.30	100			150A	.020	600	25		S1		
2488	1N606	600	.30∅	100A	1.4Δ	10	170S	.025Δ	600	25A		S1		DO1
2489	1N606A	600	.30∅	100A	1.1Δ	10	170S	.0025Δ	600	25A		S1		DO1
2490	1N1257	600	.30	25A	1.0		165A	.30	600	125A		S1*		A53
2490a∅#	1S95	600	.30∅	75	1.15	10	170S	.30	600	150J		S1Δ		Δ
2490b∅#	3HS1	600†	.30	70A	1.4∅	20	150A	.025	600	25A		S1		
2490c∅#	3HS2	600†	.30	70A	1.1∅	20	150A	.0025	600	25A		S1		
2491	PA360	600	.30	100	1.5	15	100	.50	600	100		S1		
2491a∅	1N649TH	600	.40	25		15	25	.0002	600	25		S1		A54

SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION									
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.						
2492	1N689	600†	.40	25	1.0	5.0	175A	.20		150										
2492a*	1N947	600	.40	25	1.0	3.0	200	.002	480	25	A	S1								A53
2492b#	1S115	600	.40	25A	1.0Δ	3.0	150A	2uΔ	600	25A		S1Δ								
2494	6M4	600	.40	25A	1.0	3.0	150A	.20uΔ	600	25A	T	S1*	Δ							
2495	AM62	600	.40	100C	1.25	10	100C	.30	600	100C		S1								
2496	AM65	600	.40	150C	1.25	10	150C	.50	600	150C		S1								
2497	NA62	600	.40	100	2.0			.30	600	100		S1								S4b
2498	NA65	600	.40	150	2.0			.50	600	150		S1								S4b
2499	PS460	600	.40	25A		3.3	200A	.50	420	150A		S1								A46
2500	TM62	600†	.40	100C	2.0		125A	.30		100C		S1								
2501	TM65	600†	.40	150C	2.0		175A	.50		150		S1								
2502	1N555	600	.50	100A	1.5Δ		150A	.005	600	25		S1								DO4
2503	1N2086	600	.50	25	.75	15	50	.35	600	25		S1Δ								A53
2504	1N2096	600	.50	85	.50	15	100	.25	600	85		S1Δ	Δ							M21
2504a	1N2852	600	.50	120C	.05	15	150A	.30	600	120C		S1*								
2504b	60M	600	.50	100	1.5		150	2.0	600	25		S1								
2504c	B294	600	.50	100	1.2	60	100	.50	600	100		S1Δ								A6a
2504d	BB107	600†	.50	150C	.90	15	165S	.50	600	150		S1	3							A20
2504e	BB117	600†	.50	150C	.80	15	165S	.10	600	150		S1	3							A20
2504f	BB127	600†	.50	150C	1.0	15	165S	1.0	600	150		S1	3							A20
2504g	BC307	600	.50	25	3.6	12.5		.50	600	150		S1	Δ							A21b
2504h	BD107	600†	.50	150C	.90	15	165S	.50	600	150		S1	3							A20
2504i	BD117	600†	.50	150C	.80	15	165S	.10	600	150		S1	3							A20
2504j	BD127	600†	.50	150C	1.0	15	165S	1.0	600	150		S1	3							A20
2504k	BE107	600†	.50	150C	.90	15	165S	.50	600	150		S1	3							A20
2504l	BE117	600†	.50	150C	.80	15	165S	.10	600	150		S1	3							A20
2504m	BE127	600†	.50	150C	1.0	15	165S	1.0	600	150		S1	3							A20
2505	CEC6050	600	.50	100	1.2	60	50	.50	600	100		S1								
2505a	CER71C	600	.50	25	1.2		150A	.20	600	100		S1								
2505b	CER710C	600	.50	25	1.0		150A	.05	600	100		S1								
2505c	D65C	600*	.50	25A	.60			.15	600	125A		S1								
2505d	DR600	600	.50	25	1.0		200	.10	600	100		S1								A1
2506	E600	600	.50	100	.50	15	100	.50	600	100		S1Δ	Δ							
2506a	EER600-2	600	.50	25	1.0		200A	.025	600	25		S1								A11
2506b	NL60	600	.50	100A	1.5			1.0	100			S1								A6
2507	PS160	600	.50	25A	1.5Δ	3.3	200A	.50	420	150A		S1								A47
2507a	PS2249	600†	.50	25			175A	.05	600	100		S1	4							
2507b	PT560	600	.50	100A	1.50	15	100A	.50	600	100A		S1*								
2508	S23	600	.50	80	1.2	15	150	.10	600	25		S1Δ								
2508a	S23A	600	.50	25		15	25	.05	600	25		S1								A54
2508b	S256	600	.50	100		60	25	.50	600	100		S1								A54
2508c	SER600	600.	.50	25	1.0		200A	.025	600	25		S1								P5
2509	SR60	600†	.50		1.5		170	.50				S1								
2509a	TK61	600†	.50	150A	1.0	15	200A	.005	600	25		S1								
2509b	UT238	600	.50	150	.60			.30	600	150		S1								A60
2509c	1N1697	600	.60	50A	.60	20	115A	.50	600	100A		S1								DO3
2509d	1S126	600	.60	40A	1.3Δ	15	100	.05Δ	600	25A		S1*								A34a
2509e#	1S1697	600	.60	50A	.60	20	115A	.50Δ	600	100		S1*								
2509f#	OY5066	600†	.60	25A		5.0	150J	.01	600	25A		S1*								
2509g	X5A6	600†	.625	100A	.92	50	130A	.20	600	100		S1Δ								A36
2509h	X5M6	600†	.625	100	.92	50	130A				D	S1Δ								S41
2509j*#	1S1096	600	.64	50A	.50	15	175A	.30Δ	600	150		S1*								
2509k#	SJ601F	600	.70	25A	1.7*	7.0	120J	.50*	600	120J		S1								A34c
2509m#	SR2301A	600	.70	25A			120J					S1								M4a
2510	1N445B	600	.75	50	1.5Δ	15	165A	.002Δ	600	25		S1								DO3
2511	1N1096	600	.75	50A	.50	15	150A	.30		150		S1								DO3
2512	1N1492	600	.75	25A	.55	15	120A	.30		125		S1								DO3
2512a	1N1653	600	.75	50A	1.0	15	150A	.30	420	150A		S1								A53
2513	1N2071	600†	.75Δ	25	.60	25	100	.20	600	100A		S1Δ								A3c
2514a	1N2484	600	.75	55	1.0		150	1.0	600	25		S1								A51
2514b	1N2489	600	.75	55	1.0	75	150	1.0	600	25		S1								A6b
2514c	1N2615	600	.75	50	1.1Δ	30	175A	.50	600	150A		S1Δ								A31a
2514d	1N2864	600	.75	75		40	125A	.30	600			S1								

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## 2. RECTIFIERS

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LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			STATUS	DESCRIPTION		
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)		MAT.	USE	DWG. No.
2514e∅	1N3195	600†	.75Δ	75A			100A	.01	600	25A		S1Δ		A50
2514f#	1S005	600	.75	50A	1.0∅	15	150A	.01Δ	600	25A		S1Δ		
2514g∅#	1S105	600	.75∅	75	1.15	20	170S	.50	600	150J		S1Δ		Δ
2514h∅#	1S116	600	.75	25A	1.2Δ	15	120	.005Δ	600	25A		S1*		A34a
2515#	1T2016	600†	.75	30A		15	150J	.33	600	150A		S1		A34a
2515a#	1WM6	600†	.75∅	50A	.50∅		115A	1.5	600	125C		S1		
2515b#	6G8	600	.75Δ	50A	1.0	15	165	2.0Δ	600	25		S1*	∅Δ	
2515c	7MA60	600*	.75∅	75A	.65∅	35	75A	.25∅	600	75A		S1*	∅Δ	
2515d	BC207	600	.75	25	2.8	15		.50	600	150		S1	Δ	A21b
2515e	CER71	600	.75	25	1.2	8.0	100	.20	1.2	100		S1Δ	Δ	
2515f	CER710	600	.75	25	1.0	8.0	150	.05	1.0	100		S1Δ	Δ	
2515g∅	DI56	600†	.75Δ	25	1.1	25	100	.010	600	25A		S1	∅	A38b
2516	S30	600	.75	80	1.1	30	155	.001	600	25		S1Δ		
2516a	S86	600	.75	80	1.2	15	150	.02	600	25		S1		
2517#	SX636	600	.75	35A	1.5Δ	20	130J	.05	600	100	T	S1*	∅Δ†#	A26
2517a∅	TK60	600†	.75	50	1.2	15		.01	600	25		S1		
2517b∅	UT247	600	.75	150	.75			.30	600	150		S1		A60
2517c∅	XS23	600	.75	25		15	25	.10	600	25		S1		A54
2517d∅	XS23A	600	.75	25		15	25	.05	600	25		S1		A54
2518	1N614	600	.80∅	100A	1.6Δ	10	170S	.025Δ	600	25A		S1		DO4
2519	1N614A	600	.80∅	100A	1.3Δ	10	170S	.003Δ	600	25A		S1		DO4
2519a∅#	3HT1	600†	.80	75A	1.4∅	20	150A	.025	600	25A		S1		S27
2519b∅#	3HT2	600†	.80	75A	1.1∅	20	150A	.0025	600	25A		S1		S27
2519c	1N2031	600†	1.0∅	150C	2.0		175A	.50∅		150		S1		S4b
2520	1N2270	600	1.0	25	.60	20	50	.35	600	150		S1Δ		
2521	1N2271	600	1.0	25	.60	20	50	.35	600	150		S1Δ		
2521a∅	1R600	600	1.0	25	1.0		200A	.01	600	25		S1		A9
2521b∅	3R600	600	1.0	25	1.3		200A	.25	600	25		S1		A9
2522	AM61	600	1.0	100C	1.25	20	100C	.30	600∅	100C		S1		
2523	AM64	600	1.0	150C	1.25	20	150C	.50	600	150C		S1		
2523a	BC107	600	1.0	25	1.5	20		.50	600	150		S1	Δ	A21b
2523b	BY107	600	1.0	150C	.90	25	150	.50	600	150C		S1Δ		DO2
2523c	BY117	600	1.0	150C	.80	25	150	.10	600	150C		S1Δ		DO2
2523d	BY127	600	1.0	150C	1.0	25	150	1.0	600	150C		S1Δ		DO2
2524	CA102MA	600	1.0	25	1.2Δ	15	150A	.30∅	600	150A		S1Δ	∅Δ	
2525	CC102MA	600	1.0	25	1.2Δ	15	150A	.30∅	600	150A		S1Δ	∅Δ	
2526	CF102MA	600	1.0	25	1.2Δ	15	150A	.30∅	600	150A		S1Δ		
2527	CP102MA	600	1.0	25	1.2Δ	15	150A	.30∅	600	150A		S1Δ		
2527a∅	CS122F	600†	1.0	25A	1.2∅	20		.33	600	150A	T	S1		A59
2527b∅	ECR600-1	600	1.0	25	1.3	140	200A	.25	600	25		S1		A10
2527c∅	EER600-1	600	1.0	25	1.0		200A	.01	600	25		S1		A10
2528	NA61	600	1.0	100	2.0			.30	600	100		S1		S4b
2530#	RS37BF	600	1.0∅	100	1.5	4.0	100	.10	600	25		S1*		
2530a#	S11-600	600	1.0∅	135	1.5	30	200S	.20	600	25		S1		
2531	TM61	600†	1.0∅	100C	2.0		125A	.30∅		100C		S1		
2532∅	UT257	600	1.0	150	.75			.30	600	150		S1		A60
2532a∅	HC71	600	1.1	25	1.2		150A	.20	600	100		S1		
2532b∅	HC710	600	1.1	25	1.2		150A	.05	600	100		S1		
2532c∅	X10B6	600†	1.3	40A	1.1		175A	.50	600	150		S1		
2533	1N1120	600	1.5	70	.65∅	15	155A	.30∅		150		S1		DO4
2533a	1N1913	600†	1.5	25		30	200A	.01	600	25		S1Δ		
2534	1N2220	600	1.5	25	.60	20	50	.50	600	150		S1Δ		
2535	1N2221	600	1.5	25	.60	20	50	.50	600	150		S1Δ		
2537	1N2396	600	1.5	55A	1.2	35	150A	.30∅	600	150A		S1Δ	∅Δ	A32
2538	1N2405	600	1.5	55A	1.2	35	150A	.30∅	600	150A		S1Δ	∅Δ	C8
2539	1N2414	600	1.5	55A	1.2	35	150A	.30∅	600	150A		S1Δ	∅Δ	C9
2540	1N2423	600	1.5	55A	1.2	35	150A	.30∅	600	150A		S1Δ	∅Δ	F8
2540a∅#	1S1120	600	1.5	70	.65∅	15	155A	.30∅		150		S1		
2540b	4JA411M	600	1.5	25	1.0		155A					S1	∅	
2541∅	60J1	600†	1.5	100	.85		100A	2.5	600	25		S1		A52
2541a	CA152MA	600	1.5	55A	1.2	35	150A	.30∅	600	150A		S1Δ	∅Δ	A32
2541b	CC152MA	600	1.5	55A	1.2	35	150A	.30∅	600	150A		S1Δ	∅Δ	C8
2541c	CF152MA	600	1.5	55A	1.2	35	150A	.30∅	600	150A		S1Δ	∅Δ	F8

SEE FOLD-OUT BACK COVER

for

EXPLANATION of SYMBOLS.



## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2541d	CP152MA	600	1.5	55A	1.2	35	150A	.30∅	600	150A		S1Δ	∅Δ	C9
2541e∅	PS2346	600	1.5	25	1.0		175A	.006	600	25		S1	4	M22
2541f∅#	S2A60	600†	1.5∅	40A	1.1Δ	58	190J	.50Δ	600	25A		S1Δ		A56A
2541g#	SJ601A	600	1.5∅	25A	1.7*	7.0	120J	.50*	600	120J		S1	∅	S30
2542	1N1224	600	1.6∅	140C	1.0∅	20	175J	1.5*	600	150J		S1	∅	A34b
2543	1N1224A	600	1.6∅	140C	1.0∅	20	175J	.50*	600	150J		S1	∅	A34b
2544	1N1234	600	1.6∅	140C	1.0∅	20	175J	1.5*	600	150J		S1	∅	S25
2545	1N1234A	600	1.6∅	140C	1.0∅	20	175J	.50*	600	150J		S1	∅	S25
2546	1N1544	600	1.6∅	140C	1.0∅	20	175J	.50*	600	150J		S1	∅	S28
2547∅	60LA	600†	2.0	100	1.0		100A	2.5	600	25		S1		F17Δ
2548	HR10681	600	2.0∅	135	1.5		160	.05	600	25		S1Δ		S11a
2548a∅	UT267	600	2.0	150	.75			.30	600	150		S1		A60
2548b	1N2530	600	2.5	150C	1.2	50	150	.50	600	150C		S1Δ		S35
2548c	1N2541	600	2.5	150C	1.0	50	150	.10	600	150C		S1Δ		S35
2548d	1N2552	600	2.5	150C	1.5	50	150	1.0	600	150C		S1Δ		S35
2548e	BY207	600	2.5	150C	1.2	50	150	.50	600	150C		S1Δ		DO4
2548f	BY217	600	2.5	150C	1.0	50	150	.10	600	150C		S1Δ		DO4
2548g	BY227	600	2.5	150C	1.5	50	150	1.0	600	150C		S1Δ		DO4
2549	1N1128	600†	3.0Δ	50		25	150	.01	600	25A		S1Δ		DO4Δ
2551	1N1587	600†	3.0∅	150C	1.5		175A	.50∅		150		S1		DO4
2552a#	1S405	600	3.0∅	50A		25	150A	.01Δ	600	25A		S1Δ		Δ
2552b∅	2R600	600	3.0	25	1.0		200A	.01	600	25		S1		S36
2552c∅#	3JC11	600	3.0∅	75	1.15	90	170S	1.5	600	150J		S1Δ		Δ
2552d∅	4R600	600	3.0	25	1.3		200A	.25	600	25		S1		S36
2552e	AA60	600	3.0	150B	.50	20	175J	.010	600	25		S1Δ		
2553	AM67	600	3.0	150C	1.25	40	150C	.50	600	150C		S1		
2554	CE302MA	600	3.0	25	1.2Δ	15	150A	.30∅	600	150C		S1Δ	∅Δ	
2555	CH302MA	600	3.0	25	1.2Δ	15	150A	.30∅	600	150C		S1Δ	∅Δ	
2556	CK302MA	600	3.0	25	1.2Δ	15	150A	.30∅	600	150C		S1Δ	∅Δ	
2557	CS302MA	600	3.0	25	1.2Δ	15	150A	.30∅	600	150C		S1Δ	∅Δ	
2559	S56	600	3.0	80	1.3	20	150	.10	600	25		S1		
2560∅	1N1128A	600	3.3	50				.01	600	25	N	S1		
2561	CK851	600	3.5	30	1.0	20		.002	600	25		S1Δ		
2561a	1N1923	600†	4.0	25		30	200A	.01	600	25		S1Δ		
2561b	1N2517	600	4.0	35A		25	165A	.002	600	25		S1Δ		Δ
2561c	1N2523	600	4.0	35A		25	165A	.002	600	25		S1Δ		
2562	1N1616	600	5.0	25B	1.5	25	175S	1.0	600	150B	M	S1		
2563	1N2238	600	5.0	25	.60	100	50	.50	600	150		S1Δ		
2564	1N2238A	600	5.0	25	.60	100	50	.35	600	150		S1Δ		
2565	1N2239	600	5.0	25	.60	100	50	.50	600	150		S1Δ		
2566	1N2239A	600	5.0	25	.60	100	50	.35	600	150		S1Δ		
2566a∅	9A20P	600	5.0	150C	1.5		150C	.001	600	150C		S1	∅	Δ
2566b	AM6005	600	5.0	150C	1.25		150C	5.0	600	150C		S1		
2567	R60	600∅	5.0Δ	25A	1.0	50	150A	.020	600	25A		S1Δ	∅Δ	
2570	1N1348	600	6.0∅	150C	1.1∅	150	190J	10*	600	190J		S1	∅	S26
2570a	1N1348A	600	6.0	145B		150		1.0∅	600	150B		S1	∅	DO4Δ
2571	1N2153	600	6.0	150C	1.2	150	150	.50	600	150C		S1Δ		S35
2572	1N2153A	600	6.0	150C	1.0	150	150	.10	600	150C		S1Δ		S35
2573	1N2497	600	6.0	150	1.1		190A	.50∅		150C		S1		
2573a	1N2571	600	6.0	150C	1.5	150	150	1.0	600	150C		S1Δ		S35
2573b∅#	6JC11	600	6.0∅	75	1.15	200	170S	2.0	600	150J		S1Δ		Δ
2573c	BY707	600	6.0	150C	1.2	150	150	.50	600	150C		S1Δ		DO4
2573d	BY717	600	6.0	150C	1.0	150	150	.10	600	150C		S1Δ		DO4
2573e	BY727	600	6.0	150C	1.5	150	150	1.0	600	150C		S1Δ		DO4
2573f#	BYZ11	600	6.0	25A	1.5	20	100A	.75	600	125B	D	S1Δ		DO4
2573g∅	CEC1346A	600	6.0	150B	1.2	150	150	2.5	600	150		S1		DO4
2573h	KS602MA	600	6.0	150C	1.2Δ	60	175C	3.0∅	600	150C		S1Δ	∅Δ	DO4
2573j	NA660	600	6.0	150	1.1	30	150	5.0	600	150		S1		S4c
2573k#	P6006	600∅	6.0∅	125B	1.2Δ	140	150S	3.0Δ	600	125B		S1Δ	∅Δ#	
2574	BA60	600	8.0	150B	.50	80	175J	.010	600	25		S1Δ		
2575	1N2258	600	10	25	.60	200	50	1.0	600	150		S1Δ		
2576	1N2258A	600	10	25	.60	200	50	.50	600	150		S1Δ		
2577	1N2259	600	10	25	.60	200	50	1.0	600	150		S1Δ		

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SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
			(amps)	@ T (°C)										
2578	1N2259A	600	10	25	.60	200	50	.50	600	150		S1Δ		
2578a <del>Ø</del> #	10JC11	600	10 <del>Ø</del>	75	1.15	250	170S	3.0	600	150J		S1Δ	Ø	Δ
2578b <del>Ø</del>	60J2	600†	10	100	1.25		100A	2.5	600	25		S1		S43Δ
2579	AG6012	600	10	150C	1.5	150	180C	1.0	600	150C		S1		DO4
2579a	AM6010	600	10	150C	1.25		150C	5.0	600	150C		S1		
2579b	B287	600	10	150	1.2	400	150	5.0 <del>Ø</del>	600	150		S1Δ		
2580	CEC610	600	10	150	1.2	400	50	5.0	600	150		S1		
2580a	NA6010	600	10	150	1.5	45	150	5.0	600	150		S1		
2581	S60	600 <del>Ø</del>	10Δ	25A	1.0	100	150A	.020	600	25A		S1Δ	ØΔ	
2582	TR601	600†	10 <del>Ø</del>	150C	1.5		175A	5.0 <del>Ø</del>		150		S1		
2583	1N1206	600	12 <del>Ø</del>	150C	.65 <del>Ø</del>	200	190J	10*	600	190J	F	S1	Ø	S27Δ
2583a	1N1206A	600	12	145B		240		1.0 <del>Ø</del>	600	150B		S1	Ø	DO4Δ
2585	1N2582	600	12	150C	1.2	250	150	1.0	600	150C		S1Δ		S35
2586	1N2593	600	12	150C	1.0	250	150	.20	600	150C		S1Δ		A35
2586a	1N2604	600	12	150C	1.5	250	150	2.0	600	150C		S1Δ		A35
2586b#	2WM6	600†	12 <del>Ø</del>	135C	.70 <del>Ø</del>		150	10	600	150C		S1		
2586c <del>Ø</del>	7B20P	600†	12	150C	1.5		150C	.01	600	150C		S1	Ø	Δ
2586d <del>Ø</del>	60J3	600†	12	100	1.25		100A	2.5	600	25		S1		S23Δ
2586e	B449	600	12		1.2	60	175	2.0	600	150		Δ		DO4
2586f	BY807	600	12	150C	1.2	250	150	1.0	600	150C		S1Δ		DO4
2586g	BY817	600	12	150C	1.0	250	150	.20	600	150C		S1Δ		DO4
2586h	BY827	600	12	150C	1.5	250	150	2.0	600	150C		S1Δ		DO4
2587	CA60	600	12	135B	.50	120	175J	.010	600	25		S1Δ		
2587a	NA1260	600	12	150C	1.1		200A	5.0	600	150C		S1		S4c
2587b	TM69	600†	12	150C	1.2	60	190A	2.0 <del>Ø</del>		150		S1		
2587c	US123MA	600	12	150C	1.2Δ	130	175C	3.0 <del>Ø</del>	600	150C		S1Δ	ØΔ	DO4
2587d <del>Ø</del> #	3M60	600†	15	110B	1.05 <del>Ø</del>	300	140B	5.0	600	130B		S1		
2587e#	R6015	600 <del>Ø</del>	15 <del>Ø</del>	125B	1.2Δ	350	150S	3.0Δ	600	125B		S1Δ	ØΔ#	
2588	1N1198	600	18 <del>Ø</del>	140C	.75	200	190J	10*	600	190J		S1	Ø	S29
2588a	DA60	600	18 <del>Ø</del>	190J	.75	200	190J	10*	600	190J		S1	Ø	
2588b	2060	600†	19 <del>Ø</del>	25A	.60 <del>Ø</del>	200	175J	1.0 <del>Ø</del>	600	150C	M	S1Δ	ØΔ#	DO4Δ
2588c <del>Ø</del>	1N1198A	600†	20Δ	150C		350	175C	1.5	600	150C		S1Δ		DO5Δ
2589	1N2278	600	20	25	.60	400	50	1.0	600	150		S1Δ		
2590	1N2455	600	20	150B	1.1	300	175B	5.0 <del>Ø</del>	600	150B		S1Δ	ØΔ	DO5Δ
2590a <del>Ø</del>	6B20P	600†	20	150C	1.5		150C	.005	600	150C		S1	Ø	Δ
2590b <del>Ø</del>	60R3P	600†	20	100	1.3		100A	10	600	25		S1		S47Δ
2591	DS203MA	600	20	150B	1.1	300	175B	5.0 <del>Ø</del>	600	150B		S1Δ	ØΔ	DO5
2592	DT203MA	600	20	150B	1.1	300	175B	5.0 <del>Ø</del>	600	150B		S1Δ	ØΔ	DO5
2592a	NA6020	600	20	150	1.5	90	150	5.0	600	150		S1		
2592b <del>Ø</del> #	S5B60	600†	20 <del>Ø</del>	40A	1.1Δ	360	190J	2.5Δ	600	25A		S1*	#	S50Δ
2593	T60	600 <del>Ø</del>	20Δ	25A	1.0	250	150A	.200	600	25A		S1Δ	ØΔ	
2594	TR602	600†	20	150C	1.5		175A	5.0 <del>Ø</del>		150C		S1		
2594a#	3WM6	600†	23 <del>Ø</del>	115C	.80 <del>Ø</del>		100	10	600	125C		S1		
2596	1N2160	600	25	145B	.60 <del>Ø</del>	300	200A	2.0 <del>Ø</del>		145B		S1*	Ø	DO5Δ
2597 <del>Ø</del> #	25JC11	600	25 <del>Ø</del>	75	1.15	500	170S	8.5	600	150J		S1Δ	Ø	Δ
2597a	CS120F	600†	25	150C	.55	350	200S	5.0 <del>Ø</del>	600	150C		S1		DO5
2597c	2160	600†	26 <del>Ø</del>	25A	.60 <del>Ø</del>	200	175J	1.0 <del>Ø</del>	600	150C	M	S1Δ	ØΔ#	DO4Δ
2598	1N1438	600	30	25B	1.2	250	175S	5.0	600	150B		S1		
2599	1N2467	600	30	150B	1.1	450	175B	5.0 <del>Ø</del>	600	150B		S1Δ	ØΔ	DO5Δ
2600	DS303MA	600	30	150B	1.1	450	175B	5.0 <del>Ø</del>	600	150B		S1Δ	ØΔ	DO5
2601	DT303MA	600	30	150B	1.1	450	175B	5.0 <del>Ø</del>	600	150B		S1Δ	ØΔ	DO5
2601a	3160	600†	34 <del>Ø</del>	25A	.60 <del>Ø</del>	200	175J	2.0 <del>Ø</del>	600	150C	M	S1Δ	ØΔ#	DO5Δ
2602	1N1190	600	35 <del>Ø</del>	140C	.60	500	190J	20*	600	190J		S1	Ø	S29Δ
2603	1N1687	600	35 <del>Ø</del>	125B	.50 <del>Ø</del>	500	190B	40 <del>Ø</del>	600	175B		S1		
2604	1N2285	600	35	25	.60	400	50	5.0	600	150		S1Δ		
2604a	35F60	600*	35 <del>Ø</del>	190J	1.1*	900	190J	20*	600	190J		S1*	ØΔ#	Δ
2605 <del>Ø</del>	60S3P	600†	35		1.3		100A	20	600	25		S1		S44
2605a	EA60	600	35 <del>Ø</del>	190J	.60	500	190J	20*	600	190J		S1	Ø	
2605c	NA6035	600	35 <del>Ø</del>	150C	1.5		175A	5.0	600	150		S1		S21c
2605d	TR603	600†	35	150C	1.5	150	175A	5.0 <del>Ø</del>		150		S1		
2606#	6WM6	600	42 <del>Ø</del>	125C	.60 <del>Ø</del>		100	20	600	125C		S1		
2607	3260	600†	45 <del>Ø</del>	25A	.60 <del>Ø</del>	600	175J	2.0 <del>Ø</del>	600	150C	M	S1Δ	ØΔ#	DO5Δ
2607a	1N2435	600	50	150B	1.1Δ	950	175B	10 <del>Ø</del>	600	150B		S1Δ	ØΔ	DO8Δ

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2607b	6A60	600†	50	60B	1.05	900	140B	10	600	130B		S1		S29
2607c	10A20P	600†	50	150C	1.2			.005	600	150C		S1	∅	Δ
2607d	50JC11	600	50	75	1.15	1000	170S	13	600	150J		S1Δ	∅	Δ
2607e	60T3P	600†	50		1.2		100A	25	600	25		S1		S45Δ
2607f	CH116F	600	50	150C		500	150C	20	600	150C	T	S1		DO5
2608	FS503MA	600	50	150B	1.1Δ	950	175B	10	600	150B		S1Δ	∅Δ	DO8
2609	FT503MA	600	50	150B	1.1Δ	950	175B	10	600	150B		S1Δ	∅Δ	DO8
2609a	S8B60	600†	50	40A	1.1Δ	1100	190J	6.3Δ	600	25A		S1*	#	S51Δ
2609b	9WM6	600	55	25A	.70		100	30	600	150C		S1		
2609c	1N2138	600	60	130B	.90		190B	10	600	140B		S1	Δ	DO5Δ
2609d	1N2138A	600	60	180B	.90		140B	10	600	175B		S1	Δ	DO5Δ
2609e	25H60	600†	60	180B	1.05	900	190B	10	600	175B		S1		S21a
2609f	3360	600†	60	25A	.60	600	175J	2.0	600	150C	M	S1Δ	∅Δ#	DO5Δ
2609g	1N1403	600	70	150C	1.5		150C	.015	600	150C		S1	∅	Δ
2609h	1N2445	600	70	150B	1.1	1200	175B	10	600	150B		S1Δ	∅Δ	DO8Δ
2609j	4JA70M	600†	70	150B	.45	1600	200	13	600	25		S1Δ		
2610	FS703MA	600	70	150B	1.1	1200	175B	10	600	150B		S1Δ	∅Δ	DO8
2611	FT703MA	600	70	150B	1.1	1200	175B	10	600	150B		S1Δ	∅Δ	DO8
2611a	60V3P	600†	100		1.2		100A	60	600	25		S1		S45Δ
2611b	100JC11	600	100	75	1.15	2000	170S	37	600	150J		S1Δ		Δ
2612	T3	600†	115	125B	1.0Δ	2100	150S	10Δ	600	125B		S1Δ	Δ#	
2612a	S6AN125	600	120	125B	.55		125B	30	480	125B		S1*	∅Δ#	F19Δ
2613	6CJ14R	600	130	75	1.2	2000	170S	40	600	150J		S1Δ	#	
2614	1N3090	600	150	130B	.60	500	200S	40	600	175B		S1		S8Δ
2614a	45L60	600†	150	150B	1.05	3000	190B	40	600	175B		S1		S8
2614b	45LB60	600†	150	95B	.90		130B	10	600	130B		S1		S8CΔ
2615	45M60	600	150	130B	.60	500	200S	40	600	175B		S1		Δ
2616	45P60	600	150	130B	.60	500	200S	40	600	175B		S1		S8aΔ
2616a	45TB60	600†	150	95B	.90		130B	10	600	130B		S1		M3Δ
2616b	60W3P	600†	150	100	1.2		100A	60	600	25		S1		S45Δ
2616c	15A20P	600†	160	125C	1.2			.04	600	125C		S1	∅	Δ
2616d	160E60	600*	160	120C	1.3Δ	3000	190J	40*	600	190J		S1*	∅Δ#	Δ
2616e	160F60	600*	160	120C	1.3Δ	3000	190J	40*	600	190J		S1*	∅Δ#	Δ
2616f	S6BN200	600	175	125B	.55		125B	40	480	125B		S1*	∅Δ#	F20
2616g	60X3P	600†	200	100	1.2		100A	60	600	25		S1		S46Δ
2616h	200JC11	600	200	75	1.15	5000	170S	67	600	150J		S1Δ		Δ
2616j	S16B60	600†	200	40A	1.1Δ	4700	190J	25Δ	600	25A		S1*	#	M26Δ
2616k	16A20P	600†	240	125C	1.2		150C	.05	600	125C		S1	∅	Δ
2616m	240E60	600*	240	190J	1.2Δ	4000	190J	50*	600	190J		S1	∅Δ#	Δ
2616n	240F60	600*	240	190J	1.2Δ	4000	190J	50*	600	190J		S1	∅Δ#	
2616p	439M	600	240	125C	.60	3000	190	50*	600	190J		S1	∅	S14e
2616q	60Y3P	600†	250	100	1.2		100A	60	600	25		S1		S46Δ
2616r	70TB60	600	250	80B	.80		130B	10	600	130B		S1	4	M3Δ
2616s	70UB60	600	250	80B	.80		130B	10	600	130B		S1	4	S8cΔ
2616t	8CJ15	600	400	75	1.2	7000	170S	40	600	150J		S1Δ		
2616u	400E60	600*	400	190J	1.2Δ	8000	190J	75*	600	190J		S1*	∅Δ#	Δ
2616v	400F60	600*	400	190J	1.2Δ	8000	190J	75*	600	190J		S1*	∅Δ#	Δ
2617	R65	650	5.0	25A	1.0	50	150A	.020	650	25A		S1Δ	∅Δ	
2618	S65	650	10Δ	25A	1.0	100	150A	.020	650	25A		S1Δ	∅Δ	
2619	T65	650	20Δ	25A	1.0	250	150A	.200	650	25A		S1Δ	∅Δ	
2620	2W6A	675†	.175	25	3.0		150A	.20	675	150		S1		A45
2621	HR10313	675	.20	25		2.0	100	200	700	25		S1		
2621a	1N2865	690	.50	25		30	200A	.05	1000	25		S1Δ		
2621b	1N2867	690	.70	25		30	200A	.05	1000	25		S1Δ		
2621c	1N886	700	.05	25	.60			.02	490	25		S1		
2621d	1N875	700	.10	25	.60			.02	490	25		S1		
2621e	AP710	700	.10	150C	1.1	15	150C	.20	700	150C		S1		
2621f	1N864	700	.15	25	.60			.02	490	25		S1		A21
2622	1N853	700	.20	25	.60			.02	490	25		S1		A21
2622a	AP720	700	.20	150C	1.1	15	150C	.20	700	150C		S1		
2622b	ED2847	700	.20	25				.025	700	100		S1		
2622c	HD6866	700	.20	25				.025	700	100		S1		A21
2622d	MC070	700	.20	25	1.0	1.0	200J	.030	700	100A	T	S1Δ		A2a

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SEE FOLD-OUT BACK COVER

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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2623	NA76	700	.20	125	2.0			.50	700	125		S1		S4b
2623a	1N2878	700†	.25∅	25	2.0∅	2.0	150A	.50uΔ	700	25		S1Δ		
2623b	1N2879	700†	.25∅	25	2.0∅	2.0	150A	.50uΔ	700	25		S1Δ		
2624	1N1258	700	.28	25A	1.0		165A	.20	700	125A		S1*		A53
2624a∅#	1S96	700	.30∅	75	1.15	10	170S	.30	700	150J		S1Δ		Δ
2624b	AP730	700	.30	150C	1.1	15	150C	.30∅	700	150C		S1		
2625	NA75	700	.40	125	2.0			.50	700	125		S1		S4b
2625a	1N2772	700	.50	150	1.8			.10	700	150		S1		A40a
2625b	BE108	700†	.50	150C	.90	15	165S	.50	700	150		S1	3	A20
2625c	BE118	700†	.50	150C	.80	15	165S	.10	700	150		S1	3	A20
2625d	BE128	700†	.50	150C	1.0	15	165S	1.0	700	150		S1	3	A20
2625e	BD108	700†	.50	150C	.90	15	165S	.50	700	150		S1	3	A20
2625f	BD118	700†	.50	150C	.80	15	165S	.10	700	150		S1	3	A20
2625g	BD128	700†	.50	150C	1.0	15	165S	1.0	700	150		S1	3	A20
2625h	BE108	700†	.50	150C	.90	15	165S	.50	700	150		S1	3	A20
2625i	BE118	700†	.50	150C	.80	15	165S	.10	700	150		S1	3	A20
2625j	BE128	700†	.50	150C	1.0	15	165S	1.0	700	150		S1	3	A20
2625k∅	DR700	700	.50	25	1.0		200	.10	700	100		S1		A1
2625m#	OA214	700	.50	70A	1.0		5.0 150	.07	700	125B		S1		A26a
2625n∅	S257	700	.50	100			60 25	.50	700	100		S1		A54
2625p#	OY5067	700†	.60	25A			5.0 150J	.01	700	25A		S1*		
2625q∅#	1S106	700	.75∅	75	1.15	20	170S	.50	700	150J		S1Δ		Δ
2625r#	1WM7	700†	.75∅	50A	.50∅		115A	1.5	700	125C		S1		
2625s	BC208	700	.75	25	2.8	15		.50	700	150		S1	Δ	A21b
2626#	SX637	700	.75	30A	1.5Δ	20	125J	.05	700	100	T	S1*	∅Δ†#	A26
2626a∅	1R700	700	1.0	25	1.0		200A	.01	700	25		S1		A9
2626b∅	3R700	700	1.0	25	1.3		200A	.25	700	25		S1		A9
2626c	BC108	700	1.0	25	1.5	20		.50	700	150		S1	Δ	A21b
2626d	BY108	700	1.0	150C	.90	25	150	.50	700	150C		S1Δ		DO2
2626e	BY118	700	1.0	150C	.80	25	150	.10	700	150C		S1Δ		DO2
2626f	BY128	700	1.0	150C	1.0	25	150	1.0	700	150C		S1Δ		DO2
2627	CA102PA	700	1.0	25	1.2Δ	15	150A	.30∅	700	150A		S1Δ	∅Δ	
2628	CC102PA	700	1.0	25	1.2Δ	15	150A	.30∅	700	150A		S1Δ	∅Δ	
2629	CF102PA	700	1.0	25	1.2Δ	15	150A	.30∅	700	150A		S1Δ		
2630	CP102PA	700	1.0	25	1.2Δ	15	150A	.30∅	700	150A		S1Δ		
2630a∅	ECR700-1	700	1.0	25	1.3	140	200A	.25	700	25		S1		A10
2630b∅	EER700-1	700	1.0	25	1.0		200A	.01	700	25		S1		A10
2631	NA74	700	1.0	125	2.0			.50	700	125		S1		S4b
2631a	1N1914	700†	1.5	25		30	200A	.01	700	25		S1Δ		
2632	1N2397	700	1.5	55A	1.2	35	150A	.30∅	700	150A		S1Δ	∅Δ	A32
2633	1N2406	700	1.5	55A	1.2	35	150A	.30∅	700	150A		S1Δ	∅Δ	C8
2634	1N2415	700	1.5	55A	1.2	35	150A	.30∅	700	150A		S1Δ	∅Δ	C9
2635	1N2424	700	1.5	55A	1.2	35	150A	.30∅	700	150A		S1Δ	∅Δ	F8
2635a	CA152PA	700	1.5	55A	1.2	35	150A	.30∅	700	150A		S1Δ	∅Δ	A32
2635b	CC152PA	700	1.5	55A	1.2	35	150A	.30∅	700	150A		S1Δ	∅Δ	C8
2635c	CF152PA	700	1.5	55A	1.2	35	150A	.30∅	700	150A		S1Δ	∅Δ	F8
2635d	CP152PA	700	1.5	55A	1.2	35	150A	.30∅	700	150A		S1Δ	∅Δ	C9
2636	1N1225	700	1.8∅	140C	1.0∅	20	175J	1.5*	700	150J		S1	∅	A34b
2637	1N1235	700	1.8∅	140C	1.0∅	20	175J	1.5*	700	150J		S1	∅	S25
2637b	1N2531	700	2.5	150C	1.2	50	150	.50	700	150C		S1Δ		S35
2637c	1N2542	700	2.5	150C	1.0	50	150	.10	700	150C		S1Δ		S35
2637d	1N2553	700	2.5	150C	1.5	50	150	1.0	700	150C		S1Δ		S35
2637e	BY208	700	2.5	150C	1.2	50	150	.50	700	150C		S1Δ		DO4
2637f	BY218	700	2.5	150C	1.0	50	150	.10	700	150C		S1Δ		DO4
2637g	BY228	700	2.5	150C	1.5	50	150	1.0	700	150C		S1Δ		DO4
2638∅#	3KC11	700	2.75∅	75	1.15	90	170S	1.5	700	150J		S1Δ		Δ
2638a∅	2R700	700	3.0	25	1.0		200A	.01	700	25		S1		S36
2638b∅	4R700	700	3.0	25	1.3		200A	.25	700	25		S1		S36
2638c	CDE5091T	700∅	3.0	150	1.0	18	150	5.0	1000	150	T	S1*		
2639	CE302PA	700	3.0	25	1.2Δ	15	150A	.30∅	700	150C		S1Δ	∅Δ	
2640	CH302PA	700	3.0	25	1.2Δ	15	150A	.30∅	700	150C		S1Δ	∅Δ	
2641	CK302PA	700	3.0	25	1.2Δ	15	150A	.30∅	700	150C		S1Δ	∅Δ	
2642	CS302PA	700	3.0	25	1.2Δ	15	150A	.30∅	700	150C		S1Δ	∅Δ	

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			STATUS	DESCRIPTION		
			(amps)	@ T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)		MAT.	USE	DWG. No.
2642a	S57	700	3.0	25		20	25	.10	700	25		S1		S48
2642b	1N1924	700†	4.0	25		30	200A	.01	700	25		S1Δ		
2643	R70	700∅	5.0Δ	25A	1.0	50	150A	.020	700	25A		S1Δ	∅Δ	
2643a	6KC11	700	5.5∅	75	1.15	200	170S	2.0	700	150J		S1Δ		Δ
2643b	1N2557	700	6.0	150C	1.2	50	150	.50	700	150		S1Δ		S35
2643c	1N2561	700	6.0	150C	1.0	50	150	.10	700	150		S1Δ		S35
2643d	1N2572	700	6.0	150C	1.5	50	150	1.0	700	150		S1Δ		S35
2643e	BY708	700	6.0	150C	1.2	150	150	.50	700	150C		S1Δ		DO4
2643f	BY718	700	6.0	150C	1.0	150	150	.10	700	150C		S1Δ		DO4
2643g	BY728	700	6.0	150C	1.5	150	150	1.0	700	150C		S1Δ		DO4
2643h	CDE5051T	700∅	6.0	150	1.2	50	150	5.0	1000	150	T	S1*		
2643j	CEC1347A	700	6.0	150B	1.2	150	150	2.5	700	150		S1		DO4
2643k	KS602PA	700	6.0	150C	1.2Δ	60	175C	3.0∅	700	150C		S1Δ	∅Δ	DO4
2643m	MS70	700	6.0	150	1.0			.020	700	25A		S1		
2643n	10KC11	700	9.0∅	75	1.15	250	170S	3.0	700	150J		S1Δ	∅	Δ
2644	S70	700∅	10Δ	25A	1.0	100	150A	.020	700	25A		S1Δ	∅Δ	
2645a	1N2583	700	12	150C	1.2	250	150	1.0	700	150C		S1Δ		S35
2645b	1N2594	700	12	150C	1.0	250	150	.20	700	150C		S1Δ		S35
2645c	1N2605	700	12	150C	1.5	250	150	2.0	700	150C		S1Δ		S35
2645d	2WM7	700†	12∅	135C	.70∅		150	10	700	150C		S1		
2645e	BY808	700	12	150C	1.2	250	150	1.0	700	150C		S1Δ		DO4
2645f	BY818	700	12	150C	1.0	250	150	.20	700	150C		S1Δ		DO4
2645g	BY828	700	12	150C	1.5	250	150	2.0	700	150C		S1Δ		DO4
2645h	MT70	700	12	150	1.0			.10	700	25A		S1		
2645i	US123PA	700	12	150C	1.2Δ	130	175C	3.0∅	700	150C		S1Δ	∅Δ	DO4
2645j	2070	700†	19∅	25A	.60∅	200	175J	1.0∅	700	150C	M	S1Δ	∅Δ#	DO4Δ
2645k	1N2456	700	20	150B	1.1	300	175B	5.0∅	700	150B		S1Δ	∅Δ	DO5Δ
2646	DS203PA	700	20	150B	1.1	300	175B	5.0∅	700	150B		S1Δ	∅Δ	DO5
2647	DT203PA	700	20	150B	1.1	300	175B	5.0∅	700	150B		S1Δ	∅Δ	DO5
2648	T70	700∅	20Δ	25A	1.0	250	150A	.200	700	25A		S1Δ	∅Δ	
2648a	25KC11	700	22.5∅	75	1.15	500	170S	7.0	700	150J		S1Δ	∅	Δ
2648b	3WM7	700†	23∅	115C	.80∅		100	10	700	125C		S1		
2648c	2170	700†	26∅	25A	.60∅	200	175J	1.0∅	700	150C	M	S1Δ	∅Δ#	DO4Δ
2648d	1N2468	700	30	150B	1.1	450	175B	5.0∅	700	150B		S1Δ	∅Δ	DO5Δ
2649	DS303PA	700	30	150B	1.1	450	175B	5.0∅	700	150B		S1Δ	∅Δ	DO 5
2650	DT303PA	700	30	150B	1.1	450	175B	5.0∅	700	150B		S1Δ	∅Δ	DO 5
2650a	3170	700†	34∅	25A	.60∅	200	175J	2.0∅	700	150C	M	S1Δ	∅Δ#	DO5Δ
2650b	6WM7	700	42∅	125C	.60∅		100	20	700	125C		S1		
2650c	50KC11	700	45∅	75	1.15	1000	170S	10	700	150J		S1Δ	∅	Δ
2650d	3270	700†	45∅	25A	.60∅	600	175J	2.0∅	700	150C	M	S1Δ	∅Δ#	DO5Δ
2650e	9WM7	700	55∅	25A	.70∅		100	30	700	150C		S1		
2650f	3370	700†	60∅	25A	.60∅	600	175J	2.0∅	700	150C	M	S1Δ	∅Δ#	DO5Δ
2650g	100KC11	700	90∅	75	1.15	2000	170S	35	700	150J		S1Δ		Δ
2650h	S7AN125	700	120∅	125B	.55∅		125B	30∅	560	125B		S1*	∅Δ#	F19Δ
2651	6CK14R	700	130	75	1.2	2000	170S	35	700	150J		S1Δ	#	
2654	45L70	700	150∅	130B	.60∅	500	200S	40	700	175B		S1		S8Δ
2655	45M70	700	150∅	130B	.60∅	500	200S	40∅	700	175B		S1		Δ
2656	45P70	700	150∅	130B	.60∅	500	200S	40∅	700	175B		S1		S8aΔ
2656a	S7BN200	700	175∅	125B	.55∅		125B	40∅	560	125B		S1*	∅Δ#	F20
2656b	200KC11	700	180∅	75	1.15	5000	170S	60	700	150J		S1Δ		Δ
2656c	8CK15	700	400	75	1.2	7000	170S	35	700	150J		S1Δ		
2657	2W7A	720†	.175	25	4.0		150A	.20	700	150		S1		A45
2657a	1N2117	720	.75	50				.001	720	25		S1		DO3
2658	E750C50S1	750∇	.05∅	50A		.50	120J	.004Δ	2250	120J	T	S1		
2662	R75	750∅	5.0Δ	25A	1.0	50	150A	.020	750	25A		S1Δ	∅Δ	
2663	S75	750∅	10Δ	25A	1.0	100	150A	.020	750	25A		S1Δ	∅Δ	
2664	T75	750∅	20Δ	25A	1.0	250	150A	.200	750	25A		S1Δ	∅Δ	
2665	HR10314	775	.20	25	2.0	100	200		800	25		S1		
2665a	PS2416	800	.04	25	2.0		150A	10	800	25		S1	4	C15
2665b	1N887	800	.05	25	.60			.02	560	25		S1		
2665c	AH805	800	.05	150A	1.1	15	150A	.20∅	800	150A		S1		
2665d	CER72A	800	.075	25	1.2		150A	.20	800	100		S1		
2665e	CER720A	800	.075	25	1.2		150A	.05	800	100		S1		

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2665f	1N876	800	.10	25	.60			.02	560	25		S1		
2665g	1N1407	800	.10	75A	5.0Δ	6.0	170S	.10	800	75A		S1		A53
2665h#	18J2	800	.10	100A	.50		100A	.30	800	100		S1		
2666#	66-0708	800†	.10	75A	4.2∅	20	150A	.025	800	25A		S1		
2666a	AH810	800	.10	150A	1.1	15	150A	.20∅	800	150A		S1		
2666b	AP810	800	.10	150C	1.1	15	150C	.20∅	800	150C		S1		
2666c∅	S208	800	.10	25		15	25	.10	800	25		S1		A54
2667	1N597	800	.125∅	75A	3.0Δ	1.0	150A	.025Δ	800	25A		S1		
2667a	1N865	800	.15	25	.60			.02	560	25		S1		A21
2667b	1N2501	800	.15	25A	1.5		150A	.20	800	150A		S1		A6
2667c	AH815	800	.15	150A	1.1	15	150A	.30∅	800	150A		S1		
2668∅	CER72B	800	.15	25	1.2		150A	.20	800	100		S1		
2668a∅	CER720B	800	.15	25	1.2		150A	.05	800	100		S1		
2669	1N854	800	.20	25	.60			.02	560	25		S1		A21
2671	AP820	800	.20	150C	1.1	15	150C	.20∅	800	150C		S1		
2671a	ED2848	800	.20	25				.03	800	100		S1		
2671b	HD6867	800	.20Δ	25				.03Δ	800	100		S1		A21
2671c∅	MC080	800	.20	25	1.0	1.0	200J	.030	800	100A	T	S1Δ		A2a
2672	NA86	800	.20	125	2.0			.50	800	125		S1		S4b
2673	TM86	800†	.20∅	150C	2.0		175A	.50∅		150		S1		
2674	1N560	800	.25	100A	.50∅	15	150A	.015	800	25		S1		DO3
2674a∅	CER72C	800	.25	25	1.2		150A	.20	800	100		S1		
2674b∅	CER720C	800	.25	25	1.2		150A	.05	800	100		S1		
2675#	RS28AF	800	.25	100	1.3	2.0	100	.10	800	25		S1*		
2675a∅	S234	800	.25	25		15	25	.20	800	25		S1		A54
2676	1N1259	800	.265	25A	1.0		165A	.10	800	125A		S1*		
2676a	1N2505	800	.30	25A	1.5		150A	.20	800	150A		S1		A6
2676b#	1S97	800	.30∅	75	1.15	10	170S	.30	800	150J		S1Δ		Δ
2676c	AP830	800	.30	150C	1.1	15	150C	.30∅	800	150C		S1		
2677∅	S28	800	.30	25		15	25	.50	800	25		S1		A54
2678	1N562	800	.40	100C	.65∅	15	150A	.015	800	25		S1		DO4
2680	NA85	800	.40	125	2.0			.50	800	125		S1		S4b
2681	TM85	800†	.40∅	150C	2.0		175A	.50∅		150		S1		
2682	1N1108	800	.45	100	3.0		150	2.0	800	25		S1		A53
2682a	1N2773	800	.50	150	1.8			.10	800	150		S1		A40a
2682b∅	1N3196	800†	.50Δ	75A			100A	.01	800	25A		S1Δ		A50
2682c*#	1S560	800	.50	50A	.50∅	15	175A	.30Δ	800	150		S1*		
2682d	B295	800	.50	100	1.2	60	100	.50∅	800	100		S1Δ		A6a
2682e	BB109	800†	.50	150C	.90	15	165S	.50	800	150		S1	3	A20
2682f	BB119	800†	.50	150C	.80	15	165S	.10	800	150		S1	3	A20
2682g	BB129	800†	.50	150C	1.0	15	165S	1.0	800	150		S1	3	A20
2682h	BC309	800	.50	25	3.6	12.5		.50	800	150		S1	Δ	A21b
2682j	BD109	800†	.50	150C	.90	15	165S	.50	800	150		S1	3	A20
2682k	BD119	800†	.50	150C	.80	15	165S	.10	800	150		S1	3	A20
2682m	BD129	800†	.50	150C	1.0	15	165S	1.0	800	150		S1	3	A20
2682n	BE109	800†	.50	150C	.90	15	165S	.50	800	150		S1	3	A20
2682p	BE119	800†	.50	150C	.80	15	165S	.10	800	150		S1	3	A20
2682q	BE129	800†	.50	150C	1.0	15	165S	1.0	800	150		S1	3	A20
2683	CEC8050	800	.50	100	1.2	60	50	.50	800	100		S1		
2683a∅	CER72D	800	.50	25	1.2		150A	.20	800	100		S1		
2683b∅	DR800	800	.50	25	1.0		200	.10	800	100		S1		A1
2684	OA211	800	.50	60	1.0	4.0	150	.015	800	125		S1		A26a
2685	S20	800	.50	80	1.2	15	150	.01	800	25		S1Δ		
2685a∅	S63	800	.50	25		15	25	.10	800	25		S1		A54
2685b∅	S258	800	.50	100		60	25	.50	800	100		S1		A54
2685c#	ZS78	800	.50	75A	1.2	35	150A	.15	800	100A		S1Δ		A43
2685d#	1S1699	800	.60	50A	.60∅	20	115A	.50Δ	800	100		S1*		
2685e#	SR4201A	800	.70∅	25A			120J					S1		M4a
2685f#	8G7	800#	.74Δ	25A	1.0	15	125	3.0Δ	800	25		S1*	∅Δ	
2685g∅	1N2616	800†	.75∅	50	1.1	30	175A	.01	800	25		S1		A31a
2685h#	1S107	800	.75∅	75	1.15	20	170S	.50	800	150J		S1Δ		Δ
2685j#	1WM8	800†	.75∅	50A	.50∅		115A	1.5	800	125C		S1		
2685k	BC209	800	.75	25	2.8	15		.50	800	150		S1	Δ	A21b

SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2685m	CER72	800	.75	25	1.2	8.0	100	.20	1.2	100		S1Δ	Δ	
2685n	CER720	800	.75	25	1.0	6.0	150	.05	1.0	100		S1Δ	Δ	
2685p	DI58	800†	.75Δ	25	1.1	25	100	.010	800	25A		S1	∅	A38b
2686#	SX638	800	.75	25A	1.5Δ	20	120J	.05	800	100	T	S1*	∅Δ†#	A26
2686a	S242	800	.80	25		60	25	.05	800	25		S1		
2687	1N2222	800	1.0	25	.60	20	50	.75	800	150		S1Δ		
2688	1N2222A	800	1.0	25	.60	20	50	.35	800	150		S1Δ		
2689	1N2223	800	1.0	25	.60	20	50	.75	800	150		S1Δ		
2689a	1N2223A	800	1.0	25	.60	20	50	.35	800	150		S1Δ		
2690	1R800	800	1.0	25	1.0		200A	.01	800	25		S1		A9
2690a	3R800	800	1.0	25	1.3		200A	.25	800	25		S1		A9
2690b	BC109	800	1.0	25	1.5	20		.50	800	150		S1	Δ	A21b
2690c	BY109	800	1.0	150C	.90	25	150	.50	800	150C		S1Δ		DO2
2690d	BY119	800	1.0	150C	.80	25	150	.10	800	150C		S1Δ		DO2
2690e	BY129	800	1.0	150C	1.0	25	150	1.0	800	150C		S1Δ		DO2
2691	CA102RA	800	1.0	25	1.2Δ	15	150A	.30∅	800	150A		S1Δ	∅Δ	
2692	CC102RA	800	1.0	25	1.2Δ	15	150A	.30∅	800	150A		S1Δ	∅Δ	
2693	CF102RA	800	1.0	25	1.2Δ	15	150A	.30∅	800	150A		S1Δ		
2694	CP102RA	800	1.0	25	1.2Δ	15	150A	.30∅	800	150A		S1Δ		
2694a	CS122H	800†	1.0	25A	1.2∅	20		.25	800	150A	T	S1		A59
2694b	ECR800-1	800	1.0	25	1.3	140	200A	.25	800	25		S1		A10
2694c	EER800-1	800	1.0	25	1.0		200A	.01	800	25		S1		A10
2695	NA84	800	1.0	125	2.0			.50	800	125		S1		S4b
2696#	RS38EF	800	1.0∅	100	1.5	4.0	100	.10	800	25		S1*		
2696a	S28I	800	1.0	25		15	25	.50	800	25		S1		S49
2697	TM84	800†	1.0∅	150C	2.0		175A	.50∅		150		S1		
2697a	HC72	800	1.1	25	1.2		150A	.20	800	100		S1		
2697b	HC720	800	1.1	25	1.2		150A	.05	800	100		S1		
2698	1N2398	800	1.5	55A	1.2	35	150A	.30∅	800	150A		S1Δ	∅Δ	A32
2699	1N2407	800	1.5	55A	1.2	35	150A	.30∅	800	150A		S1Δ	∅Δ	C8
2700	1N2416	800	1.5	55A	1.2	35	150A	.30∅	800	150A		S1Δ	∅Δ	C9
2701	1N2425	800	1.5	55A	1.2	35	150A	.30∅	800	150A		S1Δ	∅Δ	F8
2701a	CA152RA	800	1.5	55A	1.2	35	150A	.30∅	800	150A		S1Δ	∅Δ	A32
2701b	CC152RA	800	1.5	55A	1.2	35	150A	.30∅	800	150A		S1Δ	∅Δ	C8
2701c	CF152RA	800	1.5	55A	1.2	35	150A	.30∅	800	150A		S1Δ	∅Δ	F8
2701d	CP152RA	800	1.5	55A	1.2	35	150A	.30∅	800	150A		S1Δ	∅Δ	C9
2701e	S2A80	800†	1.5∅	40A	1.1Δ	58	190J	.50Δ	800	25A		S1Δ		A56Δ
2702	1N1226	800	1.6∅	140C	1.0∅	20	175J	1.5*	800	150J		S1	∅	A34b
2703	1N1236	800	1.6∅	140C	1.0∅	20	175J	1.5*	800	150J		S1	∅	S25
2704	1N2532	800	2.5	150C	1.2	150	150	.50	800	150C		S1Δ		S35
2704a	1N2543	800	2.5	150C	1.0	150	150	.10	800	150C		S1Δ		S35
2704b	1N2554	800	2.5	150C	1.5	150	150	1.0	800	150C		S1Δ		S35
2704d	BY209	800	2.5	150C	1.2	50	150	.50	800	150C		S1Δ		DO4
2704e	BY219	800	2.5	150C	1.0	50	150	.10	800	150C		S1Δ		DO4
2704f	BY229	800	2.5	150C	1.5	50	150	1.0	800	150C		S1Δ		DO4
2704g	3LC11	800	2.75∅	75	1.15	90	170S	1.5	800	150J		S1Δ		Δ
2704h	2R800	800	3.0	25	1.0		200A	.01	800	25		S1		S36
2704j	4R800	800	3.0	25	1.3		200A	.25	800	25		S1		S36
2705	CE302RA	800	3.0	25	1.2Δ	15	150A	.30∅	800	150C		S1Δ	∅Δ	
2706	CH302RA	800	3.0	25	1.2Δ	15	150A	.30∅	800	150C		S1Δ	∅Δ	
2707	CK302RA	800	3.0	25	1.2Δ	15	150A	.30∅	800	150C		S1Δ	∅Δ	
2708	CS302RA	800	3.0	25	1.2Δ	15	150A	.30∅	800	150C		S1Δ	∅Δ	
2709	S58	800	3.0	25		20	25	.10	800	25		S1		S48
2710#	P8H	800∅	4.0∅	100B	1.2Δ	90	150S	3.0Δ	800	125B		S1Δ	∅Δ#	
2711	1N2240	800	5.0	25	.60	100	50	.75	800	150		S1Δ		
2712	1N2240A	800	5.0	25	.60	100	50	.35	800	150		S1Δ		
2713	1N2241	800	5.0	25	.60	100	50	.75	800	150		S1Δ		
2714	1N2241A	800	5.0	25	.60	100	50	.35	800	150		S1Δ		
2715	R80	800∅	5.0Δ	25A	1.0	50	150A	.020	800	25A		S1Δ	∅Δ	
2715a	6LC11	800	5.5∅	75	1.15	200	170S	2.0	800	150J		S1Δ		Δ
2716	1N2558	800	6.0	150C	1.2	150	150	.50	800	150C		S1Δ		S35
2717	1N2562	800	6.0	150C	1.0	150	150	.10	800	150C		S1Δ		S35
2717a	1N2573	800	6.0	150C	1.5	150	150	1.0	800	150C		S1Δ		S35

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			STATUS	DESCRIPTION		
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)		MAT.	USE	DWG. No.
2717b	BY709	800	6.0	150C	1.2	150	150	.50	800	150C		S1Δ		DO4
2717c	BY719	800	6.0	150C	1.0	150	150	.10	800	150C		S1Δ		DO4
2717d	BY729	800	6.0	150C	1.5	150	150	1.0	800	150C		S1Δ		DO4
2717e#	BYZ10	800	6.0	25A	1.5	20	100A	.75	800	125B	D	S1Δ		DO4
2717f∅	CEC1348A	800	6.0	150B	1.2	150	150	2.5	800	150		S1		DO4
2717g	KS602RA	800	6.0	150C	1.2Δ	60	175C	3.0∅	800	150C		S1Δ	∅Δ	DO4
2717h	MS80	800	6.0	150	1.0			.020	800	25A		S1		
2717j∅#	10LC11	800	9.0∅	75	1.15	250	170S	3.0	800	150J		S1Δ	∅	Δ
2718	1N2260	800	10	25	.60	200	50	5.0	800	150		S1Δ		
2719	1N2260A	800	10	25	.60	200	50	1.0	800	150		S1Δ		
2720	1N2261	800	10	25	.60	200	50	5.0	800	150		S1Δ		
2721	1N2261A	800	10	25	.60	200	50	1.0	800	150		S1Δ		
2721a	B288	800	10	150	1.2	400	150	5.0∅	800	150		S1Δ		
2722	CEC810	800	10	150	1.2	400	50	5.0	800	150		S1		
2722a∅#	R8H	800*	10	125C	.60∅			3.0	800	125C		S1	∅	
2723	S80	800∅	10Δ	25A	1.0	100	150A	.020	800	25A		S1Δ	∅Δ	
2724	1N2584	800	12	150C	1.2	250	150	1.0	800	150C		S1Δ		S35
2724a	1N2595	800	12	150C	1.0	250	150	.20	800	150C		S1Δ		S35
2724b	1N2606	800	12	150C	1.5	250	150	2.0	800	150C		S1Δ		S35
2724c#	2WM8	800†	12∅	135C	.70∅		150	1.0	800	150C		S1		
2724d	BY809	800	12	150C	1.2	250	150	1.0	800	150C		S1Δ		DO4
2724e	BY819	800	12	150C	1.0	250	150	.20	800	150C		S1Δ		DO4
2724f	BY829	800	12	150C	1.5	250	150	2.0	800	150C		S1Δ		DO4
2724g	MT80	800	12	150	1.0			.10	800	25A		S1		
2724h	US123RA	800	12	150C	1.2Δ	130	175C	3.0∅	800	150C		S1Δ	∅Δ	DO4
2724i	2080	800†	19∅	25A	.60∅	200	175J	1.0∅	800	150C	M	S1Δ	∅Δ#	DO4Δ
2725	1N2279	800	20	25	.60	400	50	1.0	800	150		S1Δ		
2725a	1N2457	800	20	150B	1.1	300	175B	5.0∅	800	150B		S1Δ	∅Δ	DO5Δ
2726	DS203RA	800	20	150B	1.1	300	175B	5.0∅	800	150B		S1Δ	∅Δ	DO5
2727	DT203RA	800	20	150B	1.1	300	175B	5.0∅	800	150B		S1Δ	∅Δ	DO5
2727a∅#	S5B80	800†	20∅	40A	1.1Δ	360	190J	2.5Δ	800	25A		S1*	#	S50Δ
2728	T80	800∅	20Δ	25A	1.0	250	150A	.200	800	25A		S1Δ	∅Δ	
2728a∅#	25LC11	800	22.5∅	75	1.15	500	170S	6.5	800	150J		S1Δ	∅	Δ
2728b#	3WM8	800†	23∅	115C	.80∅		100	1.0	800	125C		S1		
2728c	2180	800†	26∅	25A	.60∅	200	175J	1.0∅	800	150C	M	S1Δ	∅Δ#	DO4Δ
2728d	1N2469	800	30	150B	1.1	450	175B	5.0∅	800	150B		S1Δ	∅Δ	DO5Δ
2729	DS303RA	800	30	150B	1.1	450	175B	5.0∅	800	150B		S1Δ	∅Δ	DO5
2730	DT303RA	800	30	150B	1.1	450	175B	5.0∅	800	150B		S1Δ	∅Δ	DO5
2730a	3180	800†	34∅	25A	.60∅	200	175J	2.0∅	800	150C	M	S1Δ	∅Δ#	DO5Δ
2731	1N2286	800	35	25	.60	400	50	5.0	800	150		S1Δ		
2731a#	6WM8	800	42∅	125C	.60∅		100	20	800	125C		S1		
2731b∅#	50LC11	800	45∅	75	1.15	1000	170S	9.0	800	150J		S1Δ	∅	Δ
2731c	3280	800†	45∅	25A	.60∅	600	175J	2.0∅	800	150C	M	S1Δ	∅Δ#	DO5Δ
2731d∅#	S8B80	800†	50∅	40A	1.1Δ	1100	190J	6.3Δ	800	25A		S1*	#	S51Δ
2731e#	9WM8	800	55∅	25A	.70∅		100	30	800	150C		S1		
2731f	3380	800†	60∅	25A	.60∅	600	175J	2.0∅	800	150C	M	S1Δ	∅Δ#	DO5Δ
2731g∅#	100LC11	800	85∅	75	1.15	2000	170S	32	800	150J		S1Δ		Δ
2732#	6CL14R	800	120	75	1.3	2000	170S	31	800	150J		S1Δ	#	
2732a#	S8AN125	800	120∅	125B	.55∅		125B	30∅	640	125B		S1*	∅Δ#	F19Δ
2735∅	1N3091	800	150∅	130B	.60∅	500	200S	40	800	175B		S1		S8Δ
2735a∅#	45L80	800†	150	150B	1.05∅	3000	190B	40	800	175B		S1		S8
2736	45M80	800	150∅	130B	.60∅	500	200S	40∅	800	175B		S1		Δ
2737	45P80	800	150∅	130B	.60∅	500	200S	40∅	800	175B		S1		S8aΔ
2737a∅#	200LC11	800	175∅	75	1.15	5000	170S	55	800	150J		S1Δ		Δ
2737b#	S8BN200	800	175∅	125B	.55∅		125B	40∅	640	125B		S1*	∅Δ#	F20
2737c∅#	S16B80	800†	200∅	40A	1.1Δ	4700	190J	25Δ	800	25A		S1*	#	M26Δ
2737d#	8CL15	800	350	75	1.3	7000	170S	31	800	150J		S1Δ		
2737e	1N3107	840	.50	25		30	200A	.05	1200	25		S1Δ		
2737f	1N3109	840	.70	25		30	200A	.05	1200	25		S1Δ		
2737g	1N364A	850	.10	100	.60			.21	850	125		S1		DO 2
2737h	1N321A	850	.25	100	.60			.21	850	125		S1		DO2
2737j	1N328A	850	.40	100	.60			.21	850	125		S1		DO2
2737k	HR10315	875	.20	25		2.0	100	200	900	25		S1		

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.



## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (mA)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2737m	1N888	900	.05	25	.60			.02	630	25		S1		
2737n	2W9	900†	.05	125			.20	900	150			S1		
2737p	1N877	900	.10	25	.60		.02	630	25			S1		
2737q	1N866	900	.15	25	.60		.02	630	25			S1		A21
2738	2W9A	900†	.175	25	4.0		150A	.20	900	150		S1		A45
2739	1N855	900	.20	25	.60			.02	630	25		S1		A21
2739a	ED2849	900	.20	25				.03	900	100		S1		
2739b	HD6868	900	.20Δ	25				.03Δ	900	100		S1		
2739c	MC090	900	.20	25	1.0	1.0	200J	.040	900	100A	T	S1Δ		A2a
2740	1N1260	900	.25	25A	1.0		165A	.10	900	125A		S1*		
2741	1N548	900†	.30	25	1.1		150	.50Δ	900	150		S1		
2741a	1S98	900	.30	75	1.15	10	170S	.30	900	150J		S1Δ		Δ
2742	1N2774	900	.50	150	1.8			.10	900	150		S1		A40a
2742a	BB1001	900†	.50	150C	.90	15	165S	.50	900	150		S1	3	A20
2742b	BB1101	900†	.50	150C	.80	15	165S	.10	900	150		S1	3	A20
2742c	BB1201	900†	.50	150C	1.0	15	165S	1.0	900	150		S1	3	A20
2742d	BD1001	900†	.50	150C	.90	15	165S	.50	900	150		S1	3	A20
2742e	BD1101	900†	.50	150C	.80	15	165S	.10	900	150		S1	3	A20
2742f	BD1201	900†	.50	150C	1.0	15	165S	1.0	900	150		S1	3	A20
2742g	BE1001	900†	.50	150C	.90	15	165S	.50	900	150		S1	3	A20
2742h	BE1101	900†	.50	150C	.80	15	165S	.10	900	150		S1	3	A20
2742i	BE1201	900†	.50	150C	1.0	15	165S	1.0	900	150		S1	3	A20
2742j	DR900	900	.50	25	1.0		200	.10	900	100		S1		A1
2742k	1S108	900	.75	75	1.15	20	170S	.50	900	150J		S1Δ		Δ
2742m	1WM9	900†	.75	50A	.50		115A	1.5	900	125C		S1		
2742n	BC2001	900	.75	25	2.8	15		.50	900	150		S1	Δ	A21b
2742p	1R900	900	1.0	25	1.0		200A	.01	900	25		S1		A9
2742q	3R900	900	1.0	25	1.3		200A	.25	900	25		S1		A9
2742r	BC1001	900	1.0	25	1.5	20		.50	900	150		S1	Δ	A21b
2742s	BY1001	900	1.0	150C	.90	25	150	.50	900	150C		S1Δ		DO2
2742t	BY1101	900	1.0	150C	.80	25	150	.10	900	150C		S1Δ		DO2
2742u	BY1201	900	1.0	150C	1.0	25	150	1.0	900	150C		S1Δ		DO2
2742v	ECR900-1	900	1.0	25	1.3	140	200A	.25	900	25		S1		A10
2742w	EER900-1	900	1.0	25	1.0		200A	.01	900	25		S1		A10
2742x	1N2533	900	2.5	150C	1.2	50	150	.50	900	150C		S1Δ		S35
2742y	1N2544	900	2.5	150C	1.0	50	150	.10	900	150C		S1Δ		S35
2742z	1N2555	900	2.5	150C	1.5	50	150	1.0	900	150C		S1Δ		S35
2743	3MC11	900	2.5	75	1.15	90	170S	1.5	900	150J		S1Δ		Δ
2743a	BY2001	900	2.5	150C	1.2	50	150	.50	900	150C		S1Δ		DO4
2743b	BY2101	900	2.5	150C	1.0	50	150	.10	900	150C		S1Δ		DO4
2743c	BY2201	900	2.5	150C	1.5	50	150	1.0	900	150C		S1Δ		DO4
2743d	2R900	900	3.0	25	1.0		200A	.01	900	25		S1		S36
2743e	4R900	900	3.0	25	1.3		200A	.25	900	25		S1		S36
2743f	S59	900	3.0	25		20	25	.10	900	25		S1		S48
2743g	6MC11	900	5.0	75	1.15	200	170S	2.0	900	150J		S1Δ		Δ
2743h	1N2559	900	6.0	150C	1.2	150	150	.50	900	150C		S1Δ		S35
2743j	1N2563	900	6.0	150C	1.0	150	150	.10	900	150C		S1Δ		S35
2743k	1N2574	900	6.0	150C	1.5	150	150	1.0	900	150C		S1Δ		S35
2743m	BY7001	900	6.0	150C	1.2	150	150	.50	900	150C		S1Δ		DO4
2743n	BY7101	900	6.0	150C	1.0	150	150	.10	900	150C		S1Δ		DO4
2743p	BY7201	900	6.0	150C	1.5	150	150	1.0	900	150C		S1Δ		DO4
2743q	10MC11	900	8.0	75	1.15	250	170S	3.0	900	150J		S1Δ	∅	Δ
2743r	1N2585	900	12	150C	1.2	250	150	1.0	900	150C		S1Δ		S35
2743s	1N2596	900	12	150C	1.0	250	150	.20	900	150C		S1Δ		S35
2743t	1N2607	900	12	150C	1.5	250	150	2.0	900	150C		S1Δ		S35
2743u	2WM9	900†	12	135C	.70		150	10	900	150C		S1		
2743v	BY8001	900	12	150C	1.2	250	150	1.0	900	150C		S1Δ		DO4
2744	BY8101	900	12	150C	1.0	250	150	.20	900	150C		S1Δ		DO4
2745	BY8201	900	12	150C	1.5	250	150	2.0	900	150C		S1Δ		DO4
2745a	25MC11	900	20	75	1.15	500	170S	6.0	900	150J		S1Δ	∅	Δ
2745b	3WM9	900†	23	115C	.80		100	10	900	125C		S1		
2745c	50MC11	900	40	75	1.15	1000	170S	8.0	900	150J		S1Δ	∅	Δ
2745d	6WM9	900	42	125C	.60		100	20	900	125C		S1		

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SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
			(amps)	@T (°C)										
2745e#	9WM9	900	55∅	25A	.70∅		100	30	900	150C		S1		
2745f∅#	100MC11	900	85∅	75	1.15	2000	170S	28	900	150J		S1Δ		Δ
2745g#	6CM14R	900	120	75	1.3	2000	170S	28	900	150J		S1Δ	#	
2745h#	S9AN125	900	120∅	125B	.55∅		125B	30∅	720	125B		S1*	∅Δ#	F19Δ
2745j∅#	200MC11	900	170∅	75	1.15	5000	170S	50	900	150J		S1Δ		Δ
2745k#	S9EN200	900	175∅	125B	.55∅		125B	40∅	720	125B		S1*	∅Δ#	F20
2745m#	8CM15	900	350	75	1.3	7000	170S	28	900	150J		S1Δ		
2746	HR10316	975	.20	25		2.0	100	200	1000	25		S1		
2746a∅	PS2417	1000	.04	25	4.0		150A	10	1000	25		S1	4	C15
2746b	1N889	1000	.05	25	.60			.02	700	25		S1		
2746c	AH1005	1000	.05	150A	1.1	15	150A	.20∅	1000	150A		S1		
2746d∅	CER73A	1000	.075	25	1.2		150A	.20	1000	100		S1		
2746e∅	CER730A	1000	.075	25	1.2		150A	.05	1000	100		S1		
2746f	1N365	1000†	.10	25	2.0		200	.25		100		S1		
2746g	1N365A	1000	.10	100	.60			.21	1000	125		S1		DO2
2746h	1N878	1000	.10	25	.60			.02	700	25		S1		
2747	1N1408	1000	.10∅	75A	5.0Δ	6.0	170S	.10∅	1000	75A		S1		A53
2748	1N2374	1000	.10∅	100A	3.0Δ	3.5	150A	.100Δ	1000	100A		S1		A53
2748a∅#	66-0710	1000†	.10	75A	4.2∅	20	150A	.025	1000	25A		S1		
2748b	AH1010	1000	.10	150A	1.1	15	150A	.20∅	1000	150A		S1		
2748c	AP1010	1000	.10	150C	1.1	15	150C	.20∅	1000	150C		S1		
2748d∅	S210	1000	.10	25		15	25	.10	1000	25		S1		A54
2748e	SE1730	1000†	.10	100	4.0		150A	.04Δ	1000	100		S1		
2749	1N598	1000	.125∅	75A	3.0Δ	1.0	150A	.025Δ	1000	25A		S1		
2749a	1N867	1000	.15	25	.60			.02	700	25		S1		A21
2749b	1N2502	1000	.15	25A	1.5		150A	.20	1000	150A		S1		A6
2749c	AH1015	1000†	.15	150A	1.1	15	150A	.30∅	1000	150A		S1		
2750∅	CER73B	1000	.15	25	1.2		150A	.20	1000	100		S1		
2750a∅	CER730B	1000	.15	25	1.2		150A	.05	1000	100		S1		
2751	1N856	1000	.20	25	.60			.02	700	25		S1		A21
2752	1N1730	1000	.20	25A		2.5	150A	.01Δ	1000	25A		S1		A48c
2753	AP1020	1000	.20	150C	1.1	15	150C	.20∅	1000	150C		S1		
2753a∅	MC100	1000	.20	25	1.0	1.0	200J	.050	1000	100A	T	S1Δ		A2a
2754	NA106	1000	.20	125	2.0			.50	1000	125		S1		S4b
2754a∅	PS1140	1000	.20	25	5.0		175A					S1		A48c
2755	TM106	1000†	.20∅	150C	2.0		175A	.50∅		150		S1		
2756	1N1261	1000	.24	25A	1.0		165A	.10	1000	125A		S1*		
2756a	1N322A	1000	.25	100	.60			.21	1000	125		S1		DO2
2757	1N561	1000	.25	100A	.50∅	15	150A	.020	1000	25		S1		DO3
2757a	1N2880	1000†	.25∅	25	2.0∅	2.0	150A	.50uΔ	1000	25		S1Δ		
2757b	1N2881	1000†	.25∅	25	2.0∅	2.0	150A	.50uΔ	1000	25		S1Δ		
2757c∅	CER73C	1000	.25	25	1.2		150A	.20	1000	100		S1		
2757d∅	CER730C	1000	.25	25	1.2		150A	.05	1000	100		S1		
2758	1N2506	1000†	.30∅	25A	1.5		175	.20∅		150A		S1		A53
2758a∅#	1S99	1000	.30∅	75	1.15	10	170S	.30	1000	150J		S1Δ		Δ
2758b	1N329A	1000	.40	100	.60			.21	1000	125		S1		DO2
2759	1N563	1000	.40	100C	.65∅	15	150A	.020	1000	25		S1		DO4
2760#	10G4	1000	.40Δ	25A	1.5	8.0	125	10Δ	1000	25		S1*	Δ	
2760a∅	CEC1000	1000Δ	.40	25A	2.0	15		35Δ	1000	125A		S1		A41
2761	NA105	1000	.40	125	2.0			.50	1000	125		S1		S4b
2761a∅	S233	1000	.40	25		15	25	.01	1000	25		S1		A54
2761b	TM105	1000†	.40∅	150C	2.0		175A	.50∅		150		S1		
2762	1N2775	1000	.50	150	1.8			.10	1000	150		S1		A40a
2763	1N2866	1000	.50	25		30	200A	.05	1500	25		S1Δ		
2763a*#	1S561	1000	.50	50A	.50∅	15	175A	.30Δ	1000	150		S1*		
2763b	BB1002	1000†	.50	150C	.90	15	165S	.50	1000	150		S1	3	A20
2763c	BB1102	1000†	.50	150C	.80	15	165S	.10	1000	150		S1	3	A20
2763d	BB1202	1000†	.50	150C	1.0	15	165S	1.0	1000	150		S1	3	A20
2763e	BC3002	1000	.50	25	3.6	12.5		.50	1000	150		S1	Δ	A21b
2763f	BD1002	1000†	.50	150C	.90	15	165S	.50	1000	150		S1	3	A20
2763g	BD1102	1000†	.50	150C	.80	15	165S	.10	1000	150		S1	3	A20
2763h	BD1202	1000†	.50	150C	1.0	15	165S	1.0	1000	150		S1	3	A20
2763i	BE1002	1000†	.50	150C	.90	15	165S	.50	1000	150		S1	3	A20

SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2763j	BE1102	1000†	.50	150C	.80	15	165S	.10	1000	150		S1	3	A20
2763k	BE1202	1000†	.50	150C	1.0	15	165S	1.0	1000	150		S1	3	A20
2763m∅	CER73D	1000	.50	25	1.2		150A	.20	1000	100		S1		
2763n∅	DR1000	1000	.50	25	1.0		200	.10	1000	100		S1		A1
2763p∅	S24	1000	.50	25		15	25	.01	1000	25		S1		A54
2763q∅	S62	1000	.50	25		15	25	.10	1000	25		S1		A54
2763r∅	S260	1000	.50	100		60	25	.50	1000	100		S1		A54
2763s#	1S1700	1000	.60	50A	.60∅	20	115A	.50Δ	1000	100		S1*		
2764	1N2868	1000	.70	25		30	200A	.05	1500	25		S1Δ		
2764a∅	1N2617	1000†	.75∅	50	1.1	30	175A	.01	1000	25		S1		A31a
2764b∅#	1S109	1000	.75∅	75	1.15	20	170S	.50	1000	150J		S1Δ		Δ
2764c#	1WM10	1000†	.75∅	50A	.50∅		115A	1.5	1000	125C		S1		
2764d	BC2002	1000	.75	25	2.8	15		.50	1000	150		S1	Δ	A21b
2764e	CER73	1000	.75	25	1.2	8.0	100	.20	1.2	100		S1Δ	Δ	
2764f	CER730	1000	.75	25	1.0	6.0	150	.05	1.0	100		S1Δ	Δ	
2764g∅	DI510	1000†	.75Δ	25	1.1	25	100	.010	1000	25A		S1	∅	A38b
2765	S61	1000	.75	80	1.2	15	150	.01	1000	25		S1		
2767	1N2224	1000	1.0	25	.60	20	50	.75	1000	150		S1Δ		
2768	1N2224A	1000	1.0	25	.60	20	50	.35	1000	150		S1Δ		
2768a	1N2225	1000	1.0	25	.60	20	50	.75	1000	150		S1Δ		
2769	1N2225A	1000	1.0	25	.60	20	50	.35	1000	150		S1Δ		
2769a∅	1R1000	1000	1.0	25	1.0		200A	.01	1000	25		S1		A9
2770∅	3R1000	1000	1.0	25	1.3		200A	.25	1000	25		S1		A9
2770a	BC1002	1000	1.0	25	1.5	20		.50	1000	150		S1	Δ	A21b
2770b	BY1002	1000	1.0	150C	.90	25	150	.50	1000	150C		S1Δ		DO2
2770c	BY1102	1000	1.0	150C	.80	25	150	.10	1000	150C		S1Δ		DO2
2770d	BY1202	1000	1.0	150C	1.0	25	150	1.0	1000	150C		S1Δ		DO2
2770e∅	CEC1001	1000Δ	1.0	25B	2.0	15		.35Δ	1000	125C		S1		S4b
2770f∅	ECR1000-1	1000	1.0	25	1.3	140	200A	.25	1000	25		S1		A10
2770g∅	EER1000-1	1000	1.0	25	1.0		200A	.01	1000	25		S1		A10
2771	NA104	1000	1.0	125	2.0			.50	1000	125		S1		S4b
2772	TM104	1000†	1.0∅	150C	2.0		175A	.50∅		150		S1		
2772a∅	HC73	1000	1.1	25	1.2		150A	.20	1000	100		S1		
2772b∅	HC730	1000	1.1	25	1.2		150A	.05	1000	100		S1		
2772c∅	PS2347	1000	1.5	25	2.0		175A	.006	1000	25		S1	4	M22
2772d∅#	S2A100	1000†	1.5∅	40A	1.1Δ	58	190J	.50Δ	1000	25A		S1Δ		A56Δ
2773	1N1443	1000	1.6∅	140C	1.0∅	20	175J	1.5*	1000	150J		S1	∅	A34b
2774	1N1444	1000	1.6∅	140C	1.0∅	20	175J	1.5*	1000	150J		S1	∅	S25
2774a	1N2534	1000	2.5	150C	1.2	50	150	.50	1000	150C		S1Δ		S35
2774b	1N2545	1000	2.5	150C	1.0	50	150	.10	1000	150C		S1Δ		S35
2774c	1N2556	1000	2.5	150C	1.5	50	150	1.0	1000	150C		S1Δ		S35
2774d∅#	3NC11	1000	2.5∅	75	1.15	90	170S	1.5	1000	150J		S1Δ		Δ
2775	BY2002	1000	2.5	150C	1.2	50	150	.50	1000	150C		S1Δ		DO4
2776	BY2102	1000	2.5	150C	1.0	50	150	.10	1000	150C		S1Δ		DO4
2776a	BY2202	1000	2.5	150C	1.5	50	150	1.0	1000	150C		S1Δ		DO4
2776b∅	2R1000	1000	3.0	25	1.0		200A	.01	1000	25		S1		S36
2776c∅	4R1000	1000	3.0	25	1.3		200A	.25	1000	25		S1		S36
2776d	S60	1000	3.0	80	1.3	20	150	.10	1000	25		S1		
2777	1N2242	1000	5.0	25	.60	100	50	.75	1000	150		S1Δ		
2778	1N2242A	1000	5.0	25	.60	100	50	.35	1000	150		S1Δ		
2779	1N2243	1000	5.0	25	.60	100	50	.75	1000	150		S1Δ		
2780	1N2243A	1000	5.0	25	.60	100	50	.35	1000	150		S1Δ		
2780a∅#	6NC11	1000	5.0∅	75	1.15	200	170S	2.0	1000	150J		S1Δ		Δ
2780b∅	CEC1001A	1000Δ	5.0	25B	2.0	20		.35Δ	1000	125C		S1		S4b
2781	1N2560	1000	6.0	150C	1.2	150	150	.50	1000	150C		S1Δ		S35
2782	1N2564	1000	6.0	150C	1.0	150	150	.10	1000	150C		S1Δ		S35
2782a	1N2575	1000	6.0	150C	1.5	150	150	1.0	1000	150C		S1Δ		S35
2782b	BY7002	1000	6.0	150C	1.2	150	150	.50	1000	150C		S1Δ		DO4
2782c	BY7102	1000	6.0	150C	1.0	150	150	.10	1000	150C		S1Δ		DO4
2782d	BY7202	1000	6.0	150C	1.5	150	150	1.0	1000	150C		S1Δ		DO4
2782e∅#	10NC11	1000	8.0∅	75	1.15	250	170S	3.0	1000	150J		S1Δ	∅	Δ
2783	1N2262	1000	10	25	.60	200	50	5.0	1000	150		S1Δ		
2784	1N2262A	1000	10	25	.60	200	50	1.0	1000	150		S1Δ		

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SEE FOLD-OUT BACK COVER

for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
					Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
			(amps)	@T (°C)										
2785	1N2263	1000	10	25	.60	200	50	5.0	1000	150		S1Δ		
2786	1N2263A	1000	10	25	.60	200	50	1.0	1000	150		S1Δ		
2786a	B289	1000	10	150	1.2	400	150	5.0∅	1000	150		S1Δ		
2786b∅	CEC1001B	1000Δ	10	25B	2.0	25		.35Δ	1000	125C		S1		S4b
2787	CEC1010	1000	10	150	1.2	400	50	5.0	1000	150		S1		
2787a	1N2586	1000	12	150C	1.2	250	150	1.0	1000	150C		S1Δ		S35
2787b	1N2597	1000	12	150C	1.0	250	150	.20	1000	150C		S1Δ		S35
2787c	1N2608	1000	12	150C	1.5	250	150	2.0	1000	150C		S1Δ		S35
2787d#	2WM10	1000↑	12∅	135C	.70∅		150	1.0	1000	150C		S1		
2787e	BY8002	1000	12	150C	1.2	250	150	1.0	1000	150C		S1Δ		DO4
2787f	BY8102	1000	12	150C	1.0	250	150	.20	1000	150C		S1Δ		DO4
2787g	BY8202	1000	12	150C	1.5	250	150	2.0	1000	150C		S1Δ		DO4
2788	1N2280	1000	20	25	.60	400	50	1.0	1000	150		S1Δ		
2788a∅#	25NC11	1000	20∅	75	1.15	500	170S	6.0	1000	150J		S1Δ	∅	Δ
2788b∅#	S5B100	1000↑	20∅	40A	1.1Δ	360	190J	2.5Δ	1000	25A		S1*	#	S50Δ
2788c#	3WM10	1000↑	23∅	115C	.80∅		100	1.0	1000	125C		S1		
2789	1N2287	1000	35	25	.60	400	50	5.0	1000	150		S1Δ		
2789a∅#	50NC11	1000	40∅	75	1.15	1000	170S	8.0	1000	150J		S1Δ	∅	Δ
2789b#	6WM10	1000	42∅	125C	.60∅		100	20	1000	125C		S1		
2789c∅#	S8B100	1000↑	50∅	40A	1.1Δ	1100	190J	6.3Δ	1000	25A		S1*	#	S51Δ
2789d#	9WM10	1000	55∅	25A	.70∅		100	30	1000	150C		S1		
2789e∅#	100NC11	1000	80∅	75	1.15	2000	170S	25	1000	150J		S1Δ		Δ
2790#	6CN14R	1000	120	75	1.3	2000	170S	25	1000	150J		S1Δ		
2790a#	S10AN125	1000	120∅	125B	.55∅		125B	30∅	800	125B		S1*	∅Δ#	F19Δ
2790b∅#	200NC11	1000	160∅	75	1.15	5000	170S	45	1000	150J		S1Δ		Δ
2790c#	S10BN200	1000	175∅	125B	.55∅		125B	40∅	800	125B		S1*	∅Δ#	F20
2790d∅#	S16B100	1000↑	200∅	40A	1.1Δ	4700	190J	25Δ	1000	25A		S1*	#	M26Δ
2791#	8CN15	1000	350	75	1.2	7000	170S	25	1000	150J		S1Δ		
2791a	1N2882	1050↑	.25∅	25	3.0∅	2.0	150A	.50uΔ	1050	25		S1Δ		
2791b	1N2883	1050↑	.25∅	25	3.0∅	2.0	150A	.50uΔ	1050	25		S1Δ		
2792	1N2327	1100	.40	25	3.3	4.0	200	.25	1100	25	R	S1		
2792a	1N2776	1100	.50	150	1.8			.10	1100	150		S1		A40a
2792b∅	DR1100	1100	.50	25	1.0		200	.10	1100	100		S1		A1
2792c	BC2003	1100	.75	25	2.8	15		.50	1100	150		S1	Δ	A21b
2792d	AH1205	1200	.05	150A	1.1	15	150A	.20∅	1200	150A		S1		
2793	1N1409	1200	.10∅	75A	5.0Δ	6.0	170S	.10∅	1200	75A		S1		
2793a∅#	66-0712	1200↑	.10	75A	4.2∅	20	150A	.025	1200	25A		S1		
2793b	AH1210	1200↑	.10	150A	1.1	15	150A	.20∅	1200	150A		S1		
2793c	1N2503	1200	.15	25A	1.5		150A	.20	1200	150A		S1		A6
2795	2W12A	1200↑	.175	25	4.0		150A	.20	1200	150		S1		A45
2796	NA126	1200	.20	125	2.0			.05	1200	25		S1		S4b
2796a∅	S12	1200	.20	25		15	25	.10	1200	25		S1		A54
2797	TM126	1200↑	.20∅	150C	2.0		175A	.50∅		150		S1		
2797a	S27	1200	.25	80	1.2	15	150	.01	1200	25		S1Δ		
2797b	1N549	1200↑	.30	25	1.1		150	.50Δ	1200	150		S1		
2798	1N2507	1200↑	.30∅	25	1.5		175A	.20∅		150		S1		
2798a∅	XS12	1200	.30	25		15	25	.05	1200	25		S1		A54
2798b∅	CEC1200	1200Δ	.40	25A	2.0	15		.35Δ	1200	125A		S1		A41
2799	NA125	1200	.40	125	2.0			.05	1200	25		S1		S4b
2800	TM125	1200↑	.40∅		2.0		175A	.50∅		150		S1		
2801	1N1109	1200	.425	100	4.5		150	2.0	1200	25		S1		
2801a	1N2777	1200	.50	150	1.8			.10	1200	150		S1		A40a
2801b	BC3004	1200	.50	25	3.6	12.5		.50	1200	150		S1	Δ	A21b
2801c∅	DR1200	1200	.50	25	1.0		200	.10	1200	100		S1		A1
2801d#	SR4301A	1200	.70∅	25A			120J					S1		M4a
2801e	BC2004	1200	.75	25	2.8	15		.50	1200	150		S1	Δ	A21b
2802	1N2226	1200	1.0	25	.60	20	50	.75	1200	150		S1Δ		
2803	1N2226A	1200	1.0	25	.60	20	50	.35	1200	150		S1Δ		
2804	1N2227	1200	1.0	25	.60	20	50	.75	1200	150		S1Δ		
2805	1N2227A	1200	1.0	25	.60	20	50	.35	1200	150		S1Δ		
2805a∅	1R1200	1200	1.0	25	1.0		200A	.01	1200	25		S1		A9
2805b∅	3R1200	1200	1.0	25	1.3		200A	.25	1200	25		S1		A9
2805c∅	CEC1201	1200Δ	1.0	25B	2.0	15		.35Δ	1200	125C		S1		S4b

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2805d	ECR1200-1	1200	1.0	25	1.3	140	200A	.25	1200	25		S1		A10
2805e	EER1200-1	1200	1.0	25	1.0		200A	.01	1200	25		S1		A10
2806	NA124	1200	1.0	125	2.0			.50	1200	125		S1		S4b
2807	TM124	1200†	1.0		2.0		175A	.50		150		S1		
2807a	HC1200	1200	1.1	25	1.2		150A	.20	1200	100		S1		
2807b	2R1200	1200	3.0	25	1.0		200A	.01	1200	25		S1		S36
2807c	4R1200	1200	3.0	25	1.3		200A	.25	1200	25		S1		S36
2808	1N2244	1200	5.0	25	.60	100	50	.75	1200	150		S1Δ		
2809	1N2244A	1200	5.0	25	.60	100	50	.35	1200	150		S1Δ		
2810	1N2245	1200	5.0	25	.60	100	50	.75	1200	150		S1Δ		
2811	1N2245A	1200	5.0	25	.60	100	50	.35	1200	150		S1Δ		
2811a	CEC1201A	1200Δ	5.0	25B	2.0	20		.35Δ	1200	125C		S1		S4b
2812	1N2264	1200	10	25	.60	200	50	5.0	1200	150		S1Δ		
2813	1N2264A	1200	10	25	.60	200	50	1.0	1200	150		S1Δ		
2814	1N2265	1200	10	25	.60	200	50	5.0	1200	150		S1Δ		
2815	1N2265A	1200	10	25	.60	200	50	1.0	1200	150		S1Δ		
2815a	B290	1200	10	150	1.2	400	150	5.0	1200	150		S1Δ		
2815b	CEC1201B	1200Δ	10	25B	2.0	25		.35Δ	1200	125C		S1		S4b
2816	CEC1210	1200	10	150	1.2	400	50	5.0	1200	150		S1		
2817	1N2281	1200	20	25	.60	400	50	1.0	1200	150		S1Δ		
2818	1N2288	1200	35	25	.60	400	50	5.0	1200	150		S1Δ		
2818a	ST8	1250	.08	75	3.9		75A					S1	2	
2818b	SE6X4	1250	.100	100			125A	.0025	1250	25		S1	2,3	
2818c	1N2778	1300	.50	150	1.8			.10	1300	150		S1		A40a
2818d	1N2884	1400†	.25	25	4.0	2.0	150A	.50uΔ	1400	25		S1Δ		
2818e	1N2885	1400†	.25	25	4.0	2.0	150A	.50uΔ	1400	25		S1Δ		
2819	1N2357	1400	.40	25	2.0	15	50	.001	1400	25		S1		DO1
2819a	1N2779	1400	.50	150	1.8			.10	1400	150		S1		A40a
2820	1N2362	1400	1.0	25	2.0	15	50	.001	1400	25		S1		DO4
2821	1N2363	1400	1.0	25	2.0	15	50	.001	1400	25		S1		DO4
2822	1N2362A	1400	5.0	25	2.0	20	50	.001	1400	25		S1		DO4
2823	1N2363A	1400	5.0	25	2.0	20	50	.001	1400	25		S1		DO4
2824	1N2362B	1400	10	25	2.0	25	50	.001	1400	25		S1		DO4
2825	1N2363B	1400	10	25	2.0	25	50	.001	1400	25		S1		
2826	1N588	1500†	.025	25	10	5.0	150	.05	1500	25A		S1		A8a
2827	SL588	1500†	.025	25	1.5		175A	.20		150		S1		
2827a	PS2418	1500	.04	25	4.0		150A	10	1500	25		S1	4	C15
2828	1N589	1500†	.05	25		5.5	150	.05	1500	25A		S1		A8a
2828a	2W15	1500†	.05	125				.20	1500	150		S1		
2828b	AH1505	1500	.05	150A	1.1	15	150A	.20	1500	150A		S1		
2829#	E1500C50S1	1500	.05	50A		.50	120J	.004Δ	4500	120J	T	S1		
2830	SL589	1500†	.05	25	1.5		175A	.20		150		S1		
2831	1N1133	1500	.075	75A	15Δ	6.0	170S	.025Δ	1500	25A		S1		F14c
2831a	CB15	1500†	.075	75A	15	20	150A	.025	1500	25A		S1		
2831b	1N2630	1500†	.085	75				.35				S1		
2831c	1N2635	1500	.085	75				.35				S1		
2831d	1N2636	1500	.085	75				.35				S1		
2832	1N1134	1500	.10	75A	7.5Δ	6.0	170S	.025Δ	1500	25A		S1		F14b
2833	1N1410	1500	.10	75A	6.3Δ	6.0	170S	.10	1500	75A		S1		
2834	1N2375	1500	.10	100A	4.5Δ	3.5	150A	.100Δ	1500	100A		S1		
2834a	AH1510	1500	.10	150A	1.1	15	150A	.20	1500	150A		S1		
2834b	SE1731	1500†	.10	100	5.0		150A	.04Δ	1500	100		S1		
2834c	1N2504	1500	.15	25A	1.5		150A	.20	1500	150A		S1		A6
2836	2W15A	1500†	.175	25	4.0		150A	.20	1500	150		S1		A45
2837	1N1731	1500	.20	25A	2.5		150A	.01Δ	1500	25A	A	S1		
2837a	NA156	1500†	.20	150C	2.0		175A	.50	1500	150C		S1		S4b
2837b	PS1141	1500	.20	25	7.0		175A					S1		A48d
2838	TM156	1500†	.20		2.0		175A	.50		150		S1		
2838a	1N2886	1500†	.25	25	3.0	2.0	150A	.50uΔ	1500	25		S1Δ		
2838b	1N2887	1500†	.25	25	3.0	2.0	150A	.50uΔ	1500	25		S1Δ		
2839	1N1130	1500†	.30	25	15	7.0	150	.05	1500	25A	A	S1		S24a
2840	1N1131	1500†	.30	25	15	7.0	150	.05	1500	25A	A	S1		S24a
2840a	1N2508	1500†	.30	25	1.5		175A	.20		150		S1		

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SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2841	NA150	1500	.30	150	7.5			.05	1500	25		S1		S4b
2842	NA150R	1500	.30	150	7.5			.05	1500	25		S1		S4b
2844	1N1745	1500	.38	75A	15Δ	6.0	170S	.025Δ	1500	25A		S1		
2844a∅#	CB15M	1500†	.38	75A	15∅	20	150A	.025	1500	25A		S1		
2845	1N2358	1500	.40	25	2.0	15	50	.001	1500	25		S1		DO 1
2845a∅	NA155	1500†	.40	150C	2.0		175A	.50	1500	150C		S1		S4b
2846	TM155	1500†	.40∅		2.0		175A	.50∅		150		S1		
2847	1N1746	1500	.44∅	75A	7.5Δ	6.0	170S	.025Δ	1500	25A		S1		
2848	1N2780	1500	.50	150	1.8			.10	1500	150		S1		A40a
2849	BC3007	1500	.50	25	3.6	12.5		.50	1500	150		S1	Δ	A21b
2849a∅	PS1441	1500†	.50	25	4.0		175A	.05	1500	100		S1		F13a
2850	BC2007	1500	.75	25	2.8	15		.50	1500	150		S1	Δ	A21b
2852	1N2364	1500	1.0	25	2.0	15	50	.001	1500	25		S1		DO 4
2853	1N2365	1500	1.0	25	2.0	15	50	.001	1500	25		S1		
2853a∅	1R1500	1500	1.0	25	1.0		200A	.01	1500	25		S1		A9
2853b∅	3R1500	1500	1.0	25	1.3		200A	.25	1500	25		S1		A9
2853c∅	ECR1500-1	1500	1.0	25	1.3	140	200A	.25	1500	25		S1		A10
2853d∅	EER1500-1	1500	1.0	25	1.0		200A	.01	1500	25		S1		A10
2853e∅	PS2348	1500	1.3	25	3.0		175A	.006	1500	25		S1	4	M22
2853f∅	2R1500	1500	3.0	25	1.0		200A	.01	1500	25		S1		S36
2853g∅	4R1500	1500	3.0	25	1.3		200A	.25	1500	25		S1		S36
2854	1N2364A	1500	5.0	25	2.0	20	50	.001	1500	25		S1		DO 4
2855	1N2365A	1500	5.0	25	2.0	20	50	.001	1500	25		S1		
2856	1N2364B	1500	10	25	2.0	25	50	.001	1500	25		S1		DO4
2857	1N2365B	1500	10	25	2.0	25	50	.001	1500	25		S1		
2857a	1N570	1500†	25∅	150				50∅	10	25		S1	2	M9a
2857b	SE5U4GE	1550	.225	100			125A	.0025	1550	25		S1	2,3	
2857c	CER74	1600	.35	25	2.0	5.0	100	.10	2.0	100		S1Δ	Δ	
2857d	1N1110	1600	.40	100	6.0		150	2.0	1600	25		S1		
2858	1N2359	1600	.40	25	2.0	15	50	.001	1600	25		S1		DO1
2858a	1N2490	1600	.50	100	5.0		100	1.0	1600	25		S1	2	
2859	1N2781	1600	.50	150	1.8			.10	1600	150		S1		A40a
2859a∅	HC74	1600	.50	25	2.0		150A	.10	1600	100		S1		
2859b	S5347	1600†	.50	100								S1	2	
2860	1N2389	1600†	.60	100A	5.0		100A	1.0	1600	25		S1	2	
2860a	1N2631	1600†	.60	75				.35∅				S1		
2860b	1N2633	1600	.60	75				.35∅				S1		
2860c	1N2634	1600	.60	75				.35∅				S1		
2860g#	SR4401A	1600	.70∅	25A			120J					S1		M4a
2860h	1N1150	1600	.75	100	6.0		100	2.0	1600	25		S1		
2860i	1N1150A	1600†	.75	100A	6.0		100A	2.0	1600	25		S1	2	
2860j	1N1237	1600†	.75	100A	6.0		100A	2.0	1600	25		S1	2	
2860k	1N1238	1600†	.75	100A	6.0		100A	2.0	1600	25		S1	2	
2863	1N2366	1600	1.0	25	2.0	15	50	.001	1600	25		S1		DO4
2864	1N2367	1600	1.0	25	2.0	15	50	.001	1600	25		S1		
2865	1N2366A	1600	5.0	25	2.0	20	50	.001	1600	25		S1		DO4
2866	1N2367A	1600	5.0	25	2.0	20	50	.001	1600	25		S1		
2867	1N2366B	1600	10	25	2.0	25	50	.001	1600	25		S1		DO4
2868	1N2367B	1600	10	25	2.0	25	50	.001	1600	25		S1		
2868a	1N2888	1750†	.25∅	25	5.0∅	2.0	150A	.50uΔ	1750	25		S1Δ		
2868b	1N2889	1750†	.25∅	25	5.0∅	2.0	150A	.50uΔ	1750	25		S1Δ		
2869	1N1135	1800	.085∅	75A	18Δ	6.0	170S	.025Δ	1800	25A		S1		F14c
2869a∅#	CB18	1800†	.065	75A	18∅	20	150A	.025	1800	25A		S1		
2870	1N1136	1800	.085∅	75A	9.0Δ	6.0	170S	.025Δ	1800	25A		S1		F14b
2871	1N1411	1800	.10∅	75A	7.5Δ	6.0	170S	.10∅	1800	75A		S1		
2872	NA151	1800	.30	150	12			.05	1800	25		S1		S4b
2873	1N1747	1800	.36∅	75A	18Δ	6.0	170S	.025Δ	1800	25A		S1		
2873a∅#	CB18M	1800†	.36	75A	18∅	20	150A	.025	1800	25A		S1		
2874	1N2360	1800	.40	25	2.0	15	50	.001	1800	25		S1		DO1
2875	1N1748	1800	.42∅	75A	9.0Δ	6.0	170S	.025Δ	1800	25A		S1		
2875a	BC3010	1800	.50	25	3.6	12.5		.50	1800	150		S1	Δ	A21b
2875b	BC2010	1800	.75	25	2.8	15		.50	1800	150		S1	Δ	A21b
2876	1N2368	1800	1.0	25	2.0	15	50	.001	1800	25		S1		DO4

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2877	1N2369	1800	1.0	25	2.0	15	50	.001	1800	25		S1		
2878	1N2368A	1800	5.0	25	2.0	20	50	.001	1800	25		S1		DO4
2879	1N2369A	1800	5.0	25	2.0	20	50	.001	1800	25		S1		
2880	1N2368B	1800	10	25	2.0	25	50	.001	1800	25		S1		DO4
2881	1N2369B	1800	10	25	2.0	25	50	.001	1800	25		S1		
2881a∅	PS2419	2000	.04	25	4.0		150A	.10	2000	25		S1	4	C15
2881b∅	PS2422	2000	.05	25	6.0		150A	.10	2000	100		S1		A49a
2882	1N1412	2000	.10∅	75A	6.3Δ	6.0	170S	.10∅	2000	75A		S1		
2883	1N2376	2000	.10∅	100A	7.5Δ	3.5	150A	.100Δ	2000	100A		S1		
2883a	SE1732	2000†	.10	100	7.0		150A	.04Δ	2000	100		S1		
2884	2W20A	2000†	.175	25	4.0		150A	.20	2000	150		S1		A45
2885	1N1732	2000	.20	25A		2.5	150A	.01Δ	2000	25A		S1		A48d
2885a∅	PS1142	2000	.20	25	9.0		175A					S1		A48e
2885b	1N2890	2000†	.25∅	25	4.0∅	2.0	150A	.50uΔ	2000	25		S1Δ		
2885c	1N2891	2000†	.25∅	25	4.0∅	2.0	150A	.50uΔ	2000	25		S1Δ		
2885d	CER75	2000	.25	25	2.8		100	.10	2.8	100		S1Δ	Δ	
2886	NA152	2000	.30	150	12			.05	2000	25		S1		S4b
2886a∅	HC75	2000	.35	25	2.8		150A	.10	2000	100		S1		
2887	1N1111	2000	.375	100	7.5		150	2.0	2000	25		S1		
2888	1N2361	2000	.40	25	2.0	15	50	.001	2000	25		S1		DO1
2888a	BC3012	2000	.50	25	3.6	12.5		.50	2000	150		S1	Δ	A21b
2888b∅	PS1442	2000†	.50	25	4.0		175A	.05	2000	100		S1		F13a
2888c#	SR4501A	2000	.70∅	25A			120J					S1		M4a
2888d	BC2012	2000	.75	25	2.8	15		.50	2000	150		S1	Δ	A21b
2889	1N2370	2000	1.0	25	2.0	15	50	.001	2000	25		S1		DO4
2890	1N2371	2000	1.0	25	2.0	15	50	.001	2000	25		S1		
2890a∅	PS2349	2000	1.1	25	4.0		175A	.006	2000	25		S1	4	M22
2891	1N2370A	2000	5.0	25	2.0	20	50	.001	2000	25		S1		DO4
2892	1N2371A	2000	5.0	25	2.0	20	50	.001	2000	25		S1		
2893	1N2370B	2000	10	25	2.0	25	50	.001	2000	25		S1		
2894	1N2371B	2000	10	25	2.0	25	50	.001	2000	25		S1		
2894a	1N2892	2100†	.25∅	25	6.0∅	2.0	150A	.50uΔ	2100	25		S1Δ		
2894b	1N2893	2100†	.25∅	25	6.0∅	2.0	150A	.50uΔ	2100	25		S1Δ		
2894c*	1N2328	2200	.40	25	3.3	4.0	200	.25	2200	25	R	S1		
2894d	B2200	2200	.40	25	2.0	15	25	.001	2200	25		S1Δ		
2894e	B2201	2200	1.0	25	2.0	15	25	.001	2200	25		S1Δ		
2894f	B2202	2200	5.0	25	2.0	20	25	.001	2200	25		S1Δ		
2894g	BC3015	2250	.50	25	3.6	12.5		.50	2250	150		S1	Δ	A21b
2895	1N1137	2400	.050∅	75A	24Δ	6.0	170S	.025Δ	2400	25A		S1		F14c
2896	1N1138	2400	.060∅	75A	12Δ	6.0	170S	.025Δ	2400	25A		S1		F14a
2896a∅#	EA24	2400†	.060	75A	12∅	20	150A	.025	2400	25A		S1		
2897	1N2377	2400	.075∅	100A	9.0Δ	3.5	150A	.100Δ	2400	100A		S1		
2898	1N1413	2400	.10∅	75A	7.5Δ	6.0	170S	.10∅	2400	75A		S1		A53
2899	1N1749	2400	.32∅	75A	24Δ	6.0	170S	.025Δ	2400	25A		S1		
2900	1N1112	2400	.35	100	9.0		150	2.0	2400	25		S1		
2900a	1N1750	2400	.38∅	75A	12Δ	6.0	170S	.025Δ	2400	25A		S1		
2901∅#	EA24M	2400†	.38	75A	12∅	20	150A	.025	2400	25A		S1		
2901a	1N2894	2450†	.25∅	25	7.0∅	2.0	150A	.50uΔ	2450	25		S1Δ		
2901b	1N2895	2450†	.25∅	25	7.0∅	2.0	150A	.50uΔ	2450	25		S1Δ		
2901c	1N2896	2500†	.25∅	25	5.0∅	2.0	150A	.50uΔ	2500	25		S1Δ		
2901d	1N2897	2500†	.25∅	25	5.0∅	2.0	150A	.50uΔ	2500	25		S1Δ		
2901e	BC3017	2500	.50	25	3.6	12.5		.50	2500	150		S1	Δ	A21b
2901f∅	PS2350	2500	1.1	25	4.0		175A	.003	2500	25		S1	4	M22
2901g	BC3020	2750	.50	25	3.6	12.5		.50	2750	150		S1	Δ	A21b
2901h	1N2632	2800	.20	75				.35∅				S1		
2901j	1N2898	2800†	.25∅	25	8.0∅	2.0	150A	.50uΔ	2800	25		S1Δ		
2901k	1N2899	2800†	.25∅	25	8.0∅	2.0	150A	.50uΔ	2800	25		S1Δ		
2902	1N1113	2800	.325	100	10.5		150	2.0	2800	25		S1		
2903	1N1239	2800†	.50	100A	12		100A	2.0	2800	25		S1	2	
2903a	S5162	2800†	.50	100A	12		100A	2.0	2800	25		S1	2	
2903b∅	PS2423	3000	.05	25	8.0		150A	.10	3000	100		S1		A49a
2904	1N2378	3000	.075∅	100A	9.0Δ	3.5	150A	.100Δ	3000	100A		S1		
2904a	SE1733	3000†	.075	100	10		150A	.075Δ	3000	100		S1		

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SEE FOLD-OUT BACK COVER  
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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T(°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.
2905	1N1733	3000	.15	25A			150A	.01Δ	3000	25A	A	S1		A48d
2905a∅	PS1143	3000	.15	25	13.5		175A					S1		A48e
2905b	1N2900	3000†	.25∅	25	6.0∅	2.0	150A	.50uΔ	3000	25		S1Δ		
2905c	1N2901	3000†	.25∅	25	6.0∅	2.0	150A	.50uΔ	3000	25		S1Δ		
2905d∅	SE21	3000†	.25	25	8.0		150A	.05	3000	100		S1		
2905e∅	PS1443	3000†	.40	25	8.0		175A	.05	3000	100		S1		F13b
2905f	BC3022	3000	.50	25	3.6	12.5		.50	3000	150		S1	Δ	A21b
2905g∅	PS2351	3000	.90	25	5.0		175A	.003	3000	25		S1	4	M22
2905h#	SBA10L	3000	.80	25	15			.025		25		S1		
2905j	1N2902	3150†	.25∅	25	9.0∅	2.0	150A	.50uΔ	3150	25		S1Δ		
2905k	1N2903	3150†	.25∅	25	9.0∅	2.0	150A	.50uΔ	3150	25		S1Δ		
2905m	1N2904	3500†	.25∅	25	7.0∅	2.0	150A	.50uΔ	3500	25		S1Δ		
2905n	1N2905	3500†	.25∅	25	7.0∅	2.0	150A	.50uΔ	3500	25		S1Δ		
2905p	1N2906	3500†	.25∅	25	10∅	2.0	150A	.50uΔ	3500	25		S1Δ		
2905q	1N2907	3500†	.25∅	25	10∅	2.0	150A	.50uΔ	3500	25		S1Δ		
2905r∅	PS2352	3500	.60	25	7.0		175A	.003	3500	25		S1	4	M22
2906	1N1139	3600	.065∅	75A	27Δ	6.0	170S	.025Δ	3600	25A		S1		F14d
2907	1N1140	3600	.065∅	75A	18Δ	6.0	170S	.025Δ	3600	25A		S1		S14c
2907a∅#	EB36	3600†	.065	75A	18∅	20	150A	.025	3600	25A		S1		
2908	1N1752	3600	.36∅	75A	18Δ	6.0	170S	.025Δ	3600	25A		S1		
2908a∅#	EB36M	3600†	.36	75A	18∅	20	150A	.025	3600	25A		S1		
2909	1N1751	3600	.37∅	75A	27Δ	6.0	170S	.025Δ	3600	25A		S1		
2909a	1N2908	3850†	.25∅	25	11∅	2.0	150A	.50uΔ	3850	25		S1Δ		
2909b	1N2909	3850†	.25∅	25	11∅	2.0	150A	.50uΔ	3850	25		S1Δ		
2910	1H2-2361	4000	.05	100	6.0	5.0	125	.10	4000	100		S1		
2910a	1N2379	4000	.05∅	100A	15Δ	3.5	150A	.100Δ	4000	100A		S1		
2910b∅	PS2424	4000	.05	25	10		150A	.10	4000	100		S1		A49a
2910c	SE2382	4000†	.075	100	14		150A	.075Δ	4000	100		S1		
2910d	1N2382	4000	.15∅	25			150A	.10	4000	100		S1		A48c
2911	CER76	4000	.15	25	4.5		100	.10	4000	100		S1Δ	Δ	
2911a∅	PS1144	4000	.15	25	18		175A					S1		A48g
2911b	1N2910	4000†	.25∅	25	8.0∅	2.0	150A	.50uΔ	4000	25		S1Δ		
2911c	1N2911	4000†	.25∅	25	8.0∅	2.0	150A	.50uΔ	4000	25		S1Δ		
2911d∅	HC76	4000	.25	25	4.5		150A	.10	4000	100		S1		
2911e∅	PS1444	4000†	.40	25	8.0		175A	.05	4000	100		S1		F13b
2911f∅	PS2353	4000	.60	25	7.0		175A	.003	4000	25		S1	4	M22
2911g	1N2912	4200†	.25∅	25	12∅	2.0	150A	.50uΔ	4200	25		S1Δ		
2911h	1N2913	4200†	.25∅	25	12∅	2.0	150A	.50uΔ	4200	25		S1Δ		
2912	1N1262	4500†	.25	100A	12		100A	2.0	4500	25		S1	2	
2912a	1N2914	4500†	.25∅	25	9.0∅	2.0	150A	.50uΔ	4500	25		S1Δ		
2912b	1N2915	4500†	.25∅	25	9.0∅	2.0	150A	.50uΔ	4500	25		S1Δ		
2912c∅	SE19	4500†	.25	25	12		150A	.05	4500	100		S1		
2912d∅	PS2354	4500	.525	25	9.0		175A	.003	4500	25		S1	4	M22
2912e	1N2916	4550†	.25∅	25	13∅	2.0	150A	.50uΔ	4550	25		S1Δ		
2912f	1N2917	4550†	.25∅	25	13∅	2.0	150A	.50uΔ	4550	25		S1Δ		
2913	1N1142	4800	.050∅	75A	24Δ	6.0	170S	.025Δ	4800	25A		S1		F14c
2913a∅#	EB48	4800†	.050	75A	24∅	20	150A	.025	4800	25A		S1		
2914	1N1141	4800	.060∅	75A	36Δ	6.0	170S	.025Δ	4800	25A		S1		F14d
2915	1N1754	4800	.32∅	75A	24Δ	6.0	170S	.025Δ	4800	25A		S1		
2915a∅#	EB48M	4800†	.32	75A	24∅	20	150A	.025	4800	25A		S1		
2916	1N1753	4800	.33∅	75A	36Δ	6.0	170S	.025Δ	4800	25A		S1		
2916a	1H3-2361	5000	.05	100	6.0	5.0	125	.10	5000	100		S1		
2916b∅	PS2425	5000	.05	25	14		150A	.10	5000	100		S1		A49b
2916c	SE1734	5000†	.05	100	15		150A	.075Δ	5000	100		S1		
2917	1N1734	5000	.10	25A	18	2.5	150A	.01Δ	5000	25A	A	S1		A48e
2917a∅	CEC1734	5000	.10	25A	6.0			.01	5000	25A		S1		A48g
2917b	CER77	5000	.10	25	6.3		100	.10	6.3	100		S1Δ	Δ	
2917c∅	PS1145	5000	.10	25	22		175A					S1		A48g
2917d∅	HC77	5000	.20	25	6.3		150A	.10	5000	100		S1		
2917e	1N2918	5000†	.25∅	25	10∅	2.0	150A	.50uΔ	5000	25		S1Δ		
2917f	1N2919	5000†	.25∅	25	10∅	2.0	150A	.50uΔ	5000	25		S1Δ		
2917g∅	PS1445	5000†	.30	25	12		175A	.05	5000	100		S1		F13b
2917h*#	HS30	5000	.35	25A	23	25	150A	.15	5000	100A		S1Δ		F12

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## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION			
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	S T A T U S	MAT.	USE	DWG. No.
2917*#	HTS5A	5000	.50	25A	30*		100	.005Δ	5000	25		S1		M16a
2917k∅	PS2355	5000	.525	25	9.0		175A	.003	5000	25		S1	4	M22
2917m	1N2920	5500†	.25	25	11∅	2.0	150A	.50uΔ	5500	25		S1Δ		
2917n	1N2921	5500†	.25	25	11∅	2.0	150A	.50uΔ	5500	25		S1Δ		
2917p	1H4-2361	6000	.05	100	6.0	5.0	125	.10	6000	100		S1		
2918	1N1143	6000	.05	75A	45Δ	6.0	170S	.025Δ	6000	25A		S1		F14d
2919	1N2380	6000	.05	100A	23Δ	3.5	150A	.100Δ	6000	100A		S1		
2919a∅	PS2426	6000	.05	25	16		150A	.10	6000	100		S1		A49b
2919b	SE2383	6000†	.05	100	20		150A	.075Δ	6000	100		S1		
2920	1N1143A	6000	.065	75A	30Δ	6.0	170S	.025Δ	6000	25A		S1		F14d
2920a∅#	EC60	6000†	.065	75A	30∅	20	150A	.025	6000	25A		S1		
2921	1N2383	6000	.10	25			150A	.10	6000	100		S1		A48g
2921a∅	CEC2383	6000	.10	25A	8.0			.01	6000	25A		S1		A48k
2921b∅	PS1146	6000	.10	25	31.5		175A					S1		A48j
2921c	1N2922	6000†	.25	25	12∅	2.0	150A	.50uΔ	6000	25		S1Δ		
2921d	1N2923	6000†	.25	25	12∅	2.0	150A	.50uΔ	6000	25		S1Δ		
2922	1N1755	6000	.29	75A	45Δ	6.0	170S	.025Δ	6000	25A		S1		
2922a∅	PS1446	6000†	.30	25	12		175A	.05	6000	100		S1		F13b
2922b	1N1756	6000	.36	75A	30Δ	6.0	170S	.025Δ	6000	25A		S1		
2922c∅#	EC60M	6000†	.36	75A	30∅	20	150A	.025	6000	25A		S1		
2923∅	PS2356	6000	.475	25	10		175A	.003	6000	25		S1	4	M22
2923a	1N2637	6400	.25	75				.35				S1		
2923b	ST7	6400†	.25	75	12	.40	165A					S1	2,3	M11
2923c	1N2924	6500†	.25	25	13∅	2.0	150A	.50uΔ	6500	25		S1Δ		
2923d	1N2925	6500†	.25	25	13∅	2.0	150A	.50uΔ	6500	25		S1Δ		
2924	1N1698	6600	.62	75A	33∅	3.5	160A	.025Δ	6600	25A		S1		
2924a∅	PS2427	7000	.05	25	18		150A	.10	7000	100		S1		A49b
2924b∅	PS1447	7000†	.25	25	17		175A	.05	7000	100		S1		F13c
2924c	S5343	7000†	.30	100A	16		100A	2.0	7000	25		S1	2	
2924d∅	PS2357	7000	.425	25	12		175A	.003	7000	25		S1	4	M22
2925	1N1144	7200	.050	75A	54Δ	6.0	170S	.025Δ	7200	25A		S1		F14e
2926	1N1145	7200	.060	75A	36Δ	6.0	170S	.025Δ	7200	25A		S1		F14d
2926a∅#	EC72	7200†	.060	75A	36∅	20	150A	.025	7200	25A		S1		
2927	1N1757	7200	.29	75A	54Δ	6.0	170S	.025Δ	7200	25A		S1		
2928	1N1758	7200	.33	75A	36Δ	6.0	170S	.025Δ	7200	25A		S1		
2928a∅#	EC72M	7200†	.33	75A	36∅	20	150A	.025	7200	25A		S1		
2928b	SE866A	7200	.50	25			125A	.20	7200	25		S1	2	
2928c*#	HS31	7500	.35	25A	19.5	25	150A	.15	7500	100A		S1Δ		F12
2928d	SE2384	8000†	.04	100	25		150A	.075Δ	8000	100		S1		
2928e∅	PS2428	8000	.05	25	20		150A	.10	8000	100		S1		A49c
2929	1N1146	8000	.045	75A	60Δ	6.0	170S	.025Δ	8000	25A		S1		F14e
2930	1N2384	8000	.07	25			150A	.10	8000	100		S1		A48g
2930a∅	PS1147	8000	.07	25	31.5		175A					S1		A48j
2930b∅	CEC2384	8000	.10	25A	10			.01	8000	25A		S1		A48k
2931	1N1759	8000	.25	75A	60Δ	6.0	170S	.025Δ	8000	25A		S1		
2931a∅	PS1448	8000†	.25	25	17		175A	.05	8000	100		S1		F13c
2931b∅	PS2358	8000	.40	25	13		175A	.003	8000	25		S1	4	M22
2931c∅	PS2429	9000	.05	25	24		150A	.10	9000	100		S1		A49c
2931d∅	PS1449	9000†	.25	25	22		175A	.05	9000	100		S1		F13c
2931e∅	PS2359	9000	.35	25	15		175A	.003	9000	25		S1	4	M22
2932	1N2381	10000	.025	100A	38Δ	3.5	150A	.100Δ	10K	100A		S1		
2932a	SE2385	10000†	.04	100	30		150A	.075Δ	10K	100		S1		
2932b	CER78	10000	.05	25	12		100	.10	12	100		S1Δ	Δ	
2932c∅	PS2430	10000	.05	25	26		150A	.10	10K	100		S1		A49c
2933	1N2385	10000	.07	25			150A	.10	10K	100		S1		A48j
2933a∅	PS1148	10000	.07	25	31.5		175A					S1		A48j
2933b∅	CEC2385	10000	.10	25A	12			.01	10K	25A		S1		A48k
2933c∅	HC78	10000	.125	25	12		150A	.10	10K	100		S1		
2933d∅	PS1450	10000†	.225	25	22		175A	.05	10K	100		S1		F13c
2933e∅	PS2360	10000	.325	25	16		175A	.003	10K	25		S1	4	M22
2933f*#	HS32	10000	.35	25A	13.5	25	150A	.15	10K	100A		S1Δ		F12
2933g*#	HTS10A	10000	.50	25A	38*		100	.005Δ	10K	25		S1		M16a
2934	1N1699	10000	.58	75A	37∅	3.5	160A	.025Δ	10K	25A		S1		

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SEE FOLD-OUT BACK COVER

for  
EXPLANATION of SYMBOLS.

## 2. RECTIFIERS

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MAXIMUM D. C. OUTPUT CURRENT, and TYPE No.



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Max. D. C. Output Current		ABSOLUTE MAX. RATINGS @ 25°C			MAX. REVERSE CURRENT			DESCRIPTION								
			(amps)	@T (°C)	Full Load Voltage Drop (volts)	Surge Current (one cycle) (amps)	MAX. TEMP. (°C)	I <sub>b</sub> (ma)	@ E <sub>b</sub> (volts)	@ T (°C)	STATUS	MAT.	USE	DWG. No.					
2934a	ST9	10000	1.25				75												
2934b	ST10	10000	1.25				75												
2934c	KR866	10400	.25	75															
2934d	S5130	10400†	.30	100A	22		100A	2.0	10400	25									
2934e	PS1451	11000†	.225	25	32		175A	.05	11K	100									F13d
2935	1N1147	12000	.045	75A	60Δ	6.0	170S	.025Δ	12000	25A									A14e
2935a	ED120	12000†	.045	75A	60		20 150A	.025	12K	25A									
2935b	1N3052	12000	.10	25A	70	2.5	175A	.01	12K	25A									A14n
2935c	PS1452	12000†	.20	25	34		175A	.05	12K	100									F13d
2936	1N1760	12000	.25	75A	60Δ	6.0	170S	.025Δ	12K	25A									
2936a	ED120M	12000†	.25	75A	60		20 150A	.025	12K	25A									
2937	1N1700	12000	.50	75A	45	3.5	160A	.025Δ	10K	25A									
2937a	PS1453	13000†	.20	25	34		175A	.05	13K	100									F13d
2938	1N1148	14000	.050	75A	52Δ	6.0	170S	.025Δ	14K	25A									F14e
2938a	1N3053	14000	.10	25A	75	2.5	175A	.01	14K	25A									A48n
2938b	PS1454	14000†	.20	25	38		175A	.05	14K	100									F13d
2939	1N1761	14000	.30	75A	52Δ	6.0	170S	.025Δ	14K	25A									
2939a	CR1401	14000	2.0	75	100	.02	170S	.005	1400	150J									
2939b	PS1455	15000†	.20	25	38		175A	.05	15K	100									F13d
2940	1N1149	16000	.045	75A	60Δ	6.0	170S	.025Δ	14K	25A									F14e
2940a	FD160	16000†	.045	75A	60		20 150A	.025	16K	25A									
2940b	1N3054	16000	.10	25A	80	2.5	175A	.01	16K	25A									A48p
2940c	PS1456	16000†	.20	25	38		175A	.05	16K	100									F13d
2941	1N1762	16000	.25	75A	60Δ	6.0	170S	.025Δ	16K	25A									
2941a	FD160M	16000†	.25	75A	60		20 150A	.025	16K	25A									
2941b	PS1457	17000†	.20	25	38		175A	.05	17K	100									F13d
2941c	1N3055	18000	.10	25A	85	2.5	175A	.01	18K	25A									A48p
2941d	PS1458	18000†	.20	25	38		175A	.05	18K	100									F13d
2941e	PS1459	19000†	.20	25	38		175A	.05	19K	100									F13d
2942	1N2139	20000	.045	75A	60Δ	6.0	170S	.025Δ	20K	25A									
2943	1N3056	20000	.10	25A	90	2.5	175A	.01	20K	25A									A48q
2943a	PS1460	20000†	.20	25	38		175A	.05	20K	100									F13d
2944	1N3057	22000	.10	25A	95	2.5	175A	.01	22K	25A									A48q
2945	1N3058	24000	.10	25A	100	2.5	175A	.01	24K	25A									A48r
2946	1N3059	26000	.10	25A	105	2.5	175A	.01	26K	25A									A48r
2947	1N3060	28000	.10	25A	120	2.5	175A	.01	28K	25A									A48s
2948	1N3061	30000	.10	25A	125	2.5	175A	.01	30K	25A									A48s

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
2949Ø#	KV1	.12	.15	10	1.2				2.3mv			Ge	C13
2950Ø#	KV2	.14	.17	10	1.2				2.3mv			Ge	C13
2951	S320G	.222	.298	10	1.0	50	1.0		.077			Ge	
2952	S1010	.222	.298	10	1.0	50	1.0		.077			Ge	
2952a	DR385	.34	.37	in forward direction at 10ma		direction at 10ma			current			Si	
2952b	DR435	.34	.37	in forward direction at 10ma		direction at 10ma			current			Si	
2952cØ	HS4	.49	.63	10	1.0	1.5	100	1000	2mv	150A		Si	A31a
2952dØ	HS5	.49	.63	10	1.0	1.5	100	10W	2mv	150A		Si	DO4
2952e	TMD40	.495	.605	10Ø	1.0	40	1.0		0	150A		SiΔ	
2952fØ	HS2	.50	.61	10	1.0	60	1.0	250	2mv	150A		Si	DO7
2952g	G129	.504	.616	10	1.0	45	1.0					Si	A1
2953	SM72	.513	.627	10	1.0	40	1.0		.035			Si	
2953a	1N912	.558	.682	10Δ	1.0	60	1.0	500				Si	
2953b	1N913	.558	.682	10Δ	5.0	60	1.0	500				Si	
2953c	G130	.576	.704	10	1.0	45	1.0						A1
2954	SG22	.576	.704	10	1.0	45	1.0		.031			Si	
2954a	TMD20	.576	.704	10Ø	1.0	40	1.0		.32	150A		SiΔ	
2955	CD1117	.58	.70	in forward direction at 1ma		current						Si	
2955aØ	HS1	.58	.70	10	1.0	60	1.0	250	2mv	150A		Si	DO7
2955bØ	1N912A	.589	.651	5.0	1.0	60	1.0	500				Si	DO7
2955cØ	1N913A	.589	.651	5.0	5.0	60	1.0	500				Si	DO7
2955dØ	HS3	.61	.75	10	1.0	60	1.0	200	2mv	200A		Si	DO7
2956	SV3140	1.102	1.208	5.0	10	20	10			100A		Si	
2957	SV3140A	1.127	1.173	2.0	10	20	10			100A		Si	
2957aØ	EEZ8.2T10-2	1.35	1.65	10Z	50	10	50	400		200A		Si	A11
2957bØ	ETZ1.5T10-2	1.35	1.65	10Z	50	10	50	400		200A		Si	A11
2957cØ	STZ1.5T10	1.35	1.65	10Z	50	10	50	500		200A		Si	P5
2957d	PS1171	1.425	1.575	5.0Δ	20	9.0	20	500	3.5	125		Si	A48c
2958	SV3141	1.425	1.575	5.0	10	20	10			100A		Si	
2959	SV3141A	1.47	1.53	2.0	10	20	10			100A		Si	
2959a	PS1172	1.52	1.68	5.0Δ	20	12	20	500	3.5	125		Si	A48c
2959bØ	EEZ10T10-2	1.62	1.98	10Z	50	10	50	400		200A		Si	A11
2959cØ	ETZ1.8T10-2	1.62	1.98	10Z	50	10	50	400		200A		Si	A11
2959dØ	STZ1.8T10	1.62	1.98	10Z	50	10	50	500		200A		Si	P5
2959e	PS1173	1.71	1.89	5.0Δ	20	18	20	500	3.5	125		Si	A48c
2960	SV3142	1.805	1.995	5.0	10	30	10			100A		Si	
2961	SV3142A	1.882	1.938	2.0	10	30	10			100A		Si	
2961a	1/4M2.4AZ	1.92	2.88	20Ø	10	60	10	250	.075	175J		Si*	A22a
2961bØ	EEZ12T10-2	1.98	2.42	10Z	50	10	50	400		200A		Si	A11
2961cØ	ETZ2.2T10-2	1.98	2.42	10Z	50	10	50	400		200A		Si	A11
2961dØ	STZ2.2T10	1.98	2.42	10Z	50	10	50	500		200A		Si	P5
2962	1N465	2.0	3.2	20Ø	5.0	60	10	200		200A		Si*	C1
2963	1N702	2.0	3.2	20Ø	5.0	60	10	200		200A		Si*	DO7
2964	PS6465	2.0	3.2	20	5.0	60	10	500		200A		Si	A48c
2964aØ#	TR2	2.0	3.2	20	5.0	60	10	250		150		Si	
2964b	PS1174	2.09	2.31	5.0Δ	20	12	20	500	4.8	125		Si	
2965	SV3143	2.143	2.363	5.0	10	30	10			100A		Si	
2965a	1/4M2.7AZ	2.16	3.24	20Ø	10	60	10	250	.07	175J		Si*	A22a
2965bØ	HR2.3	2.18	2.41	5.0	5.0	60	10	500		175A		Si	DO7
2966	SV3143A	2.205	2.295	2.0	10	30	10			100A		Si	
2967	PS1175	2.28	2.52	5.0Δ	20	18	20	500	4.8	125		Si	A48c
2967a	1/4M3.0AZ	2.4	3.6	20Ø	10	55	10	250	.07	175J		Si*	A22a
2967bØ	EEZ15T10-2	2.43	2.97	10Z	50	20	50	400		200A		Si	A11
2967cØ	ETZ2.7T10-2	2.43	2.97	10Z	50	20	50	400		200A		Si	A11
2967dØ	STZ2.7T10	2.43	2.97	10Z	50	20	50	500		200A		Si	P5
2968	SV3144	2.517	2.783	5.0	10	40	10			100A		Si	
2968a	PS1176	2.565	2.835	5.0Δ	20	27	20	500	4.8	125		Si	A48c
2969	SV3144A	2.597	2.703	2.0	10	40	10			100A		Si	
2969a	1/4M3.3AZ	2.64	3.96	20Ø	10	55	10	250	.065	175J		Si*	A22a
2969bØ	HR2.8	2.66	2.94	5.0	5.0	60	10	500		175A		Si	DO7
2969c#	303Z4	2.8	3.8		500	.80	500	.05				Si	
2969d	PS1177	2.85	3.15	5.0Δ	20	18	20	500	6.4	125		Si	A48c
2970	SV3145	2.85	3.15	5.0	10	40	10			100A		Si	

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
2970a	1/4M3.6AZ	2.88	4.32	20	10	50	10	250	.06	175J		S1*	A22a
2970b#	VR35A	2.9	4.1	20	20	17.2	20	5W		200J		S1	S30
2971#	VR35B	2.9	4.1	20	20	17.2	20	2000		250J		S1	A34c
2972	SV3145A	2.94	3.06	2.0	10	40	10			100A		S1	
2973	1N746	2.97	3.63	10	20	28	20	400	.062	175A	N	S1	A1
2973a∅	EEZ18T10-2	2.97	3.63	10	30	20	30	400		200A		S1	A11
2973b∅	ETZ3.3T10-2	2.97	3.63	10	30	20	30	400		200A		S1	A11
2973c#	KS30B	2.97	3.63	10	5.0	110	5.0	150	.06	150A		S1*	C1a
2973d∅	STZ3.3T10	2.97	3.63	10	30	20	30	500		200A		S1	P5
2973e∅	QZ3.3T10	2.97	3.63	10	20	28*	20	250		150	D	S1	A21c
2974	1N466	3.0	3.9	10	5.0	55	10	200		200A		S1*	C1
2975	1N471 ∅	3.0	3.9	10	5.0	65	10	200		200A		S1*	C1
2976	1N703	3.0	3.9	10	5.0	55	10	200		200A		S1*	DO7
2977	PS6466	3.0	3.9	10	5.0	55	10	500		200A		S1	
2977a∅#	TR3	3.0	3.9	20	5.0	55	10	250		150		S1	
2977b∅#	MR33H	3.1	3.5	5.0	5.0	90	5.0	210		150		S1	A38a
2978#	Z2A33F	3.1	3.5	5.0	20	37	20	1000	.062	100		S1	
2978a	1/4M3.9AZ	3.12	4.68	20	10	50	10	250	.05	175J		S1*	A22a
2978b∅	SV7000	3.12	4.68	20	3200	.80	3200	50W				S1	
2978c	CD3131	3.13	3.47	5.0		24	20	250	.062	200S		S1	
2978d	KS30A	3.13	3.47	5.0	5.0	110	5.0	150	.06	150A		S1*	C1a
2978e∅	PS1421	3.135	3.465	5.0	20	30	20	2000	.21	150A		S1	A48d
2979	1N746A	3.14	3.47	5.0	20	28	20	400	.062	175A		S1	A46
2980	1N747	3.24	3.96	10	20	24	20	400	.055	175A	N	S1	A1
2980b#	1S207	3.3	3.9	10	20	26	20	400	.055	150A		S1*	
2980c#	OAZ208	3.3	5.0	20	1.0	65	5.0	250		150J		S1	C10b
2981∅#	MR36H	3.4	3.8	5.0	5.0	86	5.0	210		150		S1	A38a
2982#	Z2A36F	3.4	3.8	5.0	20	35	20	1000	.056	100		S1	
2983	1N747A	3.42	3.78	5.0	20	24	20	400	.055	175A		S1	A46
2984	CD3132	3.42	3.78	5.0		22	20	250	.055	200S		S1	
2984a#	KS31A	3.42	3.78	5.0	5.0	85	5.0	150	.05	150A		S1*	C1a
2984b∅	PS1422	3.42	3.78	5.0	20	30	20	2000	.21	150A		S1	A48d
2984c∅	QZ3.6T5	3.42	3.78	5.0	20	24*	20	250		150	D	S1	A21c
2984d	1/4M4.3AZ	3.44	5.16	20	10	45	10	250	.045	175J		S1*	A22a
2984e#	11Z4	3.5	5.5	20	10	70	10		.05			S1	
2985	1N748	3.51	4.29	10	20	23	20	400	.049	175A	N	S1	A1
2985a∅	EEZ22T10-2	3.51	4.29	10	30	20	30	400		200A		S1	A11
2985b∅	ETZ3.9T10-2	3.51	4.29	10	30	20	30	400		200A		S1	A11
2985c#	KS32B	3.51	4.29	10	5.0	70	5.0	150	.04	150A		S1*	C1a
2985d∅	QZ3.9T10	3.51	4.29	10	20	23*	20	250		150	D	S1	A21c
2985e∅	STZ3.9T10	3.51	4.29	10	30	20	30	500		200A		S1	P5
2986	650C0	3.52	3.89	5.0	5.0			150		150A		S1	
2987	1N1507	3.6	4.3	10	180	1.25	35	750	.04	165A		S1	
2988	1N1518	3.6	4.3	10	250	1.0	50	1000	.04	165A		S1	
2989	1N1588	3.6	4.3	10	850	.50	150	3500	.04	165B		S1	
2990	1N1599	3.6	4.3	10	2500	.25	500	10W	.04	165B		S1	
2991	1N1927	3.6	4.3	10	5.0	11	10	250	.06	150A		S1∅	
2993	1N1981	3.6	4.3	10	5.0	11	10	150	.06	150		S1∅	
2993a#	1S208	3.6	4.3	10	20	24	20	400	.049	150A		S1*	
2994	3R3.9	3.6	4.3	10	120	20	120	3500	.04	150C		S1	
2995	R3.9	3.6	4.3	10	40	20	40	1000	.04	150		S1	
2996	ZB3.9	3.6	4.3	10	35	11	35	750	.04	175A		S1	A33
2997	ZG3.9	3.6	4.3	10	50	8.0	150	3500	.04	175C		S1	S4a
2998	ZK3.9	3.6	4.3	10	500	1.0	500	10W	.04	175C		S1	S19
2999	ZT3.9	3.6	4.3	10	50	8.0	50	1000	.04	175A		S1	S34
2999a	650C1	3.61	3.99	5.0	5.0			150		150A		S1	
3000∅	HR3.8	3.61	3.99	5.0	5.0	55	10	500		175A		S1	DO7
3000a	1N1507A	3.7	4.1	5.0	35			750	.04	165A		S1	
3000b	1N1518A	3.7	4.1	5.0	50			1000	.04	165A		S1	
3000c	1N1588A	3.7	4.1	5.0	150			3500	.04	165A		S1	
3000d	1N1599A	3.7	4.1	5.0	500			10W	.04	165A		S1	
3000e	CD3133	3.7	4.1	5.0		20	20	250	.049	200S		S1	
3000f#	KS32A	3.7	4.1	5.0	5.0	70	5.0	150	.04	150A		S1*	C1a

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3000g#	MR39H	3.7	4.1	5.0	5.0	80	5.0	210		150		S1	A38a
3001	ZB3.9A	3.7	4.1	5.0	35	11	35	750	.04	175A		S1	A33
3002	ZG3.9A	3.7	4.1	5.0	50	8.0	150	3500	.04	175C		S1	S4a
3003	ZK3.9A	3.7	4.1	5.0	500	1.0	500	10W	.04	175C		S1	S19
3004	ZT3.9A	3.7	4.1	5.0	50	8.0	50	1000	.04	175A		S1	S34
3005#	ZEA39F	3.7	4.15	5.0	20	33	20	1000	.050	100		S1	
3006	1N467	3.7	4.5	10	5.0	45	10	200		200A		S1*	C1
3007	1N472 Ø	3.7	4.5	10	5.0	60	10	200		200A		S1*	C1
3008	1N704	3.7	4.5	10	5.0	45	10	200		200A		S1*	DO7
3009	650C	3.7	4.5	10	5.0			150		150A		S1	C3
3010	PS6467	3.7	4.5	10	5.0	45	10	500		200A		S1	
3010a#	TR4	3.7	4.5	20	5.0	45	10	250		150		S1	
3011	1N748A	3.71	4.10	5.0	20	23	20	400	.049	175A		S1	A46
3012	650C2	3.71	4.1	5.0	5.0			150		150A		S1	
3012a	1/4M4.7AZ	3.76	5.64	20	10	35	10	250	.04	175J		S1*	A22a
3012b	650C3	3.80	4.2	5.0	5.0			150		150A		S1	
3012cØ	PS1423	3.8	4.2	5.0	20	30	20	2000	.21	150A		S1	A48d
3012d#	104Z4	3.8	4.8	10	10	140	10		.05			S1	
3013#	304Z4	3.8	4.8	10	500	.90	500		.05			S1	
3013a#	1S51	3.8	5.4	15	10	33	10	300	.02	150J			
3013b	1Z4.7T20	3.8	5.6	20	40			1000	.00	165A		S1	
3013c	3Z4.7T20	3.8	5.6	20	125			3500	.00	165A		S1	
3013d	10Z4.7T20	3.8	5.6	20	400			10W	.00	165A		S1	
3013e	MZ4.7T20	3.8	5.6	20	30			750	.00	165A		S1	
3014	1N749	3.88	4.73	10	20	22	20	400	.036	175A	N	S1	A1
3015	650C4	3.9	4.3	5.0	5.0			150		150A		S1	
3015a#	VR425A	3.9	4.6	8.0	20	16	20	5W		200J		S1	S30
3015b#	VR425B	3.9	4.6	8.0	20	16	20	2000		250J		S1	A34c
3015c#	1S209	3.9	4.7	10	20	22	20	400	.036	150A		S1*	
3016	650C5	3.99	4.41	5.0	5.0			150		150A		S1	
3016a#	MR43H	4.0	4.5	5.0	5.0	72	5.0	210		150		S1	A38a
3017#	Z2A43F	4.05	4.5	5.0	20	31	20	1000	.045	100		S1	
3017a	CD3134	4.08	4.52	5.0		18	20	250	.036	200S		S1	
3017b#	KS33A	4.08	4.52	5.0	5.0	65	5.0	150	.03	150A		S1*	C1a
3017cØ	QZ4.3T5	4.08	4.52	5.0	20	22*	20	250		150	D	S1	A21c
3017d	1/4M5.1AZ	4.08	6.12	20	10	25	10	250	.01	175J		S1*	A22a
3018	1N749A	4.09	4.52	5.0	20	22	20	400	.036	175A		S1	A46
3019	650C6	4.09	4.52	5.0	5.0			150		150A		S1	
3019a	1Z4.3T5	4.1	4.5	5.0	50			1000	.04	165A		S1	
3019b	3Z4.3T5	4.1	4.5	5.0	150			3500	.04	165A		S1	
3019c	10Z4.3T5	4.1	4.5	5.0	500			10W	.04	165A		S1	
3019d	MZ4.3T5	4.1	4.5	5.0	35			750	.04	165A		S1	
3020	650C7	4.18	4.62	5.0	5.0			150		150A		S1	
3021Ø	HR4.4	4.18	4.62	5.0	5.0	45	10	500		175A		S1	DO7
3021bØ	PS1424	4.18	4.62	5.0	20	30	20	2000	.21	150A		S1	A48d
3021c#	RD5C	4.2	5.4	15	120	40	120	3W	.03	150A		S1	S42
3022	1N750	4.23	5.17	10	20	19	20	400	.018	175A	N	S1	A1
3022aØ	EEZ27T10-2	4.23	5.17	10	30	20	30	400		200A		S1	A11
3022bØ	ETZ4.7T10-2	4.23	5.17	10	30	20	30	400		200A		S1	A11
3022c#	KS34B	4.23	5.17	10	5.0	60	5.0	150	.02	150A		S1*	C1a
3022dØ	QZ4.7T10	4.23	5.17	10	20	19*	20	250		150	D	S1	A21c
3022eØ	STZ4.7T10	4.23	5.17	10	30	20	30	500		200A		S1	P5
3022fØ	TMD00	4.23	5.17	10	5.0	45	10	100		150A		S1	
3022gØ	E89	4.27	4.72	5.0	10	55	10	400		175		S1	
3022h	1N2041A	4.28	4.73	5.0	1000	.50	1000	10W	.02	150		S1	
3023	651C0	4.28	4.73	5.0	5.0			150		150A		S1	
3024	PR504	4.28	4.73	5.0	2000	.50	1000	10W	.02			S1	S4b
3025	PR604	4.28	4.73	5.0	200	1.0	40	1000	.02			S1	A6
3026	SV121	4.28	4.73	5.0	10	55	10	250	.02	150		S1	
3027	SV1004	4.28	4.73	5.0	10	55	10	750	.02	150		S1	
3028	HZ8122	4.3	4.7	5.0	10	55	10	250				S1	
3029	1N1508	4.3	5.1	10	150	1.25	30	750	0	165A		S1	
3030	1N1519	4.3	5.1	10	200	1.0	40	1000	0	165A		S1	

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SEE FOLD-OUT BACK COVER  
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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3031	1N1589	4.3	5.1	10	700	.50	125	3500	0	165B		S1	
3032	1N1600	4.3	5.1	10	2000	.25	400	10W	0	165B		S1	
3033	1N1928	4.3	5.1	10	5.0	10	10	250	.05	150A		S1	
3035	1N1982	4.3	5.1	10	5.0	10	10	150	.05	150		S1	
3035a#	1S210	4.3	5.1	10	20	20	20	400	.018	150A		S1*	
3036	3R4.7	4.3	5.1	10	120	10	120	3500	0	150C		S1	
3037	R4.7	4.3	5.1	10	40	10	40	1000	0	150		S1	
3038	ZB4.7	4.3	5.1	10	30	9.0	30	750	.00	175A		S1	A33
3039	ZG4.7	4.3	5.1	10	40	7.0	40	3500	.00	175C		S1	S4a
3040	ZK4.7	4.3	5.1	10	400	.75	400	10W	.00	175C		S1	S19
3041	ZT4.7	4.3	5.1	10	40	7.0	40	1000	.00	175A		S1	A34
3042	ZZ4.7 $\emptyset$	4.3	5.1	10	125	5.0	25	600	.01	125A		S1	
3043	1N468	4.3	5.4	10	5.0	35	10	200		200A		S1*	C1
3044	1N473 $\emptyset$	4.3	5.4	10	5.0	50	10	200		200A		S1*	C1
3045	1N705	4.3	5.4	10	5.0	35	10	200		200A		S1*	DO7
3046	1N761	4.3	5.4	10	10	55	10	250	.00	150		S1	A46
3047	1N2032	4.3	5.4	10	10	55	10	750	.00	150		S1	
3048	1N2041	4.3	5.4	10	1000	.50	1000	10W	.00	150		S1	
3049	651C	4.3	5.4	10	5.0			150		150A		S1	C3
3049a	HZ8147	4.3	5.4	10	10	55	10	250				S1	
3050	PR704	4.3	5.4	10	2000	.50	1000	10W	.00			S1	S4b
3051	PR804	4.3	5.4	10	200	.10	40	1000	.00			S1	A6
3052	PS6468	4.3	5.4	10	5.0	35	10	500		200A		S1	
3052a#	RD5A	4.3	5.4	10	10	45	10	200	.03	150A		S1*	A23
3052b#	RD5B	4.3	5.4	15	40	50	40	1W	.03	150A		S1	A34a
3052c#	TR5	4.3	5.4	20	5.0	35	10	250		150		S1	
3053	651C1	4.37	4.83	5.0	5.0			150		150A		S1	
3053a	SX47	4.4	4.9	5.0	5.0	80	5.0	300	.04	150J		S1*	C6
3054#	MR47H	4.4	5.0	5.0	5.0	62	5.0	210		150		S1	A38a
3054a#	OAZ200	4.4	5.0	5.0	1.0	60	5.0	250		150J		S1	C10b
3054b#	VR475A	4.4	5.1	5.0	20	14.4	20	5W		200J		S1	S30
3055#	VR475B	4.4	5.1	5.0	20	14.4	20	2000		250J		S1	A34c
3057#	OA126/5	4.4	5.6	5.0	3.0	25	10	250		175		S1	
3057a#	OAZ209	4.4	6.0	5.0	1.0	50	5.0	250		150J		S1	C10b
3058#	Z2A47F	4.45	4.95	5.0	20	28	20	1000	.037	100		S1	
3058a	CD3135	4.46	4.94	5.0		16	20	250	.018	200S		S1	
3058b#	KS34A	4.46	4.94	5.0	5.0	60	5.0	150	.02	150A		S1*	C1a
3058c*	1N674	4.47	4.93	5.0	20	16	20	400	.03	200	A	S1	
3058d	1N1482	4.47	4.93	5.0	200	3.0	200	10W	.04	175	A	S1*	
3058e	1N1484	4.47	4.93	5.0	50	5.0	50	1000	.03	175	A	S1*	
3058f	1N750A	4.47	4.94	5.0	20	19	20	400	.018	175A		S1	A46
3059	1/4M5.6AZ	4.48	6.72	20	10	20	10	250	.02	175J		S1*	A22a
3059a	1N1508A	4.5	4.9	5.0	30			750	.00	165A		S1	
3059b	1N1519A	4.5	4.9	5.0	40			1000	.00	165A		S1	
3059c	1N1589A	4.5	4.9	5.0	125			3500	.00	165A		S1	
3059d	1N1600A	4.5	4.9	5.0	400			10W	.00	165A		S1	
3060	ZB4.7A	4.5	4.9	5.0	30	9.0	30	750	.00	175A		S1 $\Delta$	A33
3061	ZG4.7A	4.5	4.9	5.0	40	7.0	40	3500	.00	175C		S1 $\Delta$	S4a
3062	ZK4.7A	4.5	4.9	5.0	400	.75	400	10W	.00	175C		S1 $\Delta$	S19
3063	ZT4.7A	4.5	4.9	5.0	40	7.0	40	1000	.00	175A		S1 $\Delta$	A34
3063a#	1Z24	4.5	6.5	20	10	50	10		.03			S1	
3063b#	5Z24	4.5	6.5	20	100	20	100		.05			S1	
3063d#	7Z24	4.5	6.5	20	500	1.0	500		.05			S1	
3064	651C3	4.56	5.04	5.0	5.0			150		150A		S1	
3064a	PS1425	4.56	5.04	5.0 $\Delta$	20	30	20	2000	.21	150A		S1	A48d
3065	1N751	4.59	5.61	10	20	17	20	400	.008	175A	N	S1	A1
3065a	TMD01	4.59	5.61	10	5.0	15	5.0	100		150A		S1 $\Delta$	
3065b	Z4X5.1B	4.6	5.6	10	100	7.0	100	1000	.013	175J		S1	DO3
3065c	CD3122	4.61	5.09	5.0	10	55	10	250	.015	150A		S1	A23
3066	651C4	4.66	5.15	5.0	5.0			150		150A		S1	
3067	651C2	4.67	4.94	5.0	5.0			150		150A		S1	
3067a	HZ8123	4.7	5.3	5.0	10	55	10	250				S1	
3067b#	1S211	4.7	5.6	10	20	18	20	400	.008	150A		S1*	

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3087c	1N2041B	4.75	5.25	5.0	1000	.50	1000	10W	.00	150		S1	
3068	651C5	4.75	5.25	5.0	5.0			150		150A		S1	
3068a <del>Ø</del>	E88	4.75	5.25	5.0	10	55	10	400		175		S1	
3089	PR505	4.75	5.25	5.0	2000	.50	1000	10W	.00			S1	S4b
3070	PR605	4.75	5.25	5.0	200	1.0	40	1000	.00			S1	A6
3071	SV122	4.75	5.25	5.0	10	55	10	250	.00	150		S1	
3072	SV1005	4.75	5.25	5.0	10	55	10	750	.00	150		S1	
3072a	1Z5.1T5	4.8	5.4	5.0	40			1000	.00	165A		S1	
3072b	3Z5.1T5	4.8	5.4	5.0	125			3500	.00	165A		S1	
3072c	10Z5.1T5	4.8	5.4	5.0	400			10W	.00	165A		S1	
3072d <del>Ø</del> #	MR51H	4.8	5.4	5.0	5.0	50	5.0	210		150		S1	A38a
3072e	MZ5.1T5	4.8	5.4	5.0	30			750	.00	165A		S1	
3072f#	OAZ201	4.8	5.4	5.0	1.0	50	5.0	250		150J		S1	C10b
3072g#	105Z4	4.8	5.8	10	10	110	10		.03			S1	
3072h#	205Z4	4.8	5.8	10	100	7.0	100		.06			S1	
3072i#	305Z4	4.8	5.8	10	500	1.0	500		.06			S1	
3072j <del>Ø</del>	VR6	4.8	7.2	20 <del>Ø</del>	25	4.0*	25	1000	.02	125C		S1	A51
3072k	CD3136	4.84	5.36	5.0		14	20	250	.008	200S		S1*	C1a
3073#	KS35A	4.84	5.36	5.0	5.0	55	5.0	150	.01	150A		S1	
3073a <del>Ø</del>	QZ5.1T5	4.84	5.36	5.0	20	17*	20	250		150	D	S1	A21c
3074	1N751A	4.85	5.36	5.0	20	17	20	400	.008	175A		S1	A46
3075	651C6	4.85	5.36	5.0	5.0			150		150A		S1	
3076#	Z2A51F	4.85	5.40	5.0	20	26	20	1000	.017	100		S1	
3077#	SX51	4.9	5.3	5.0	5.0	70	5.0	300	.02	150J		S1*	C6
3077a#	VR525AA	4.9	5.6	7.0	20	12.8	20	5W <del>Z</del>		200J		S1	S30
3078#	VR525AB	4.9	5.6	7.0	20	12.8	20	2000		250J		S1	A34c
3078a#	VR525BA	4.9	5.6	7.0	20	10	20	5W <del>Z</del>		200J		S1	S30
3079#	VR525BB	4.9	5.6	7.0	20	10	20	2000		250J		S1	A34c
3079a <del>Ø</del> #	SZ56A	4.9	6.2	10	20	15	20	1500	.02	160A		S1	A26
3079b#	SX561	4.9	6.5	15	5.0	7.0	20	300	.00	150J		S1*	C6
3079c#	SZT1	4.9	6.5	15	5.0	7.0	20	30	.01*	150J		S1*	C6
3080	651C7	4.94	5.46	5.0	5.0			150		150A		S1	
3080a <del>Ø</del>	PS1426	4.94	5.46	5.0 <del>Δ</del>	20	30	20	2000	.21	150A		S1	A48d
3080b	1/4M6.2AZ	4.96	7.44	20 <del>Ø</del>	10	15	10	250	.03	175J		S1*	A22a
3081#	OV5	5.0	6.0	10		30	5.0	120	.02	150		S1	
3081a#	Z5	5.0	6.0	10	5.0	60	5.0	300	.02	150		S1	
3081b#	ZL5	5.0	6.0	10	100	2.0	100	1500	.01	150		S1	
3082	1N708	5.0	6.2	10 <del>Ø</del>	25	3.6	25	250		175A		S1Δ	A21
3083	1N1765	5.0	6.2	10 <del>Ø</del>	100	1.2	100	1000		175A		S1Δ	A31
3083a	1N1803	5.0	6.2	10 <del>Ø</del>	1000	1.0	1000	10W		175A		S1Δ	S11Δ
3084 <del>Ø</del>	Z4X5.6B	5.0	6.2	10 <del>Ø</del>	100	1.2	100	1000	.021	175J		S1	DO3
3084a	RS6	5.0	7.0	20	10	15	10					S1	C1
3084b	RT6	5.0	7.0	20	10	20	10					S1	C1
3085	651C8	5.04	5.57	5.0	5.0			150		150A		S1	
3085a	1EZ5.6T10	5.04	6.12	10 <del>Ø</del>	35	5.5	35	1000	.03	130A		S1	A35a
3085b	10EZ5.6T10	5.04	6.12	10 <del>Ø</del>	350	.30	350	10W	.03	130A		S1	S22
3085c	MEZ5.6T10	5.04	6.12	10 <del>Ø</del>	18	12	18	500	.03	130A		S1	A35
3085d	1N752	5.04	6.16	10	20	11	20	400	.006	175A	N	S1	A1
3086	1T5.6	5.04	6.16	10	100	1.2		1000				S1	A6a
3086a <del>Ø</del>	EEZ33T10-2	5.04	6.16	10 <del>Z</del>	20	20	20	400		200A		S1	A11
3086b <del>Ø</del>	ETZ5.6T10-2	5.04	6.16	10 <del>Z</del>	20	20	20	400		200A		S1	A11
3086c#	KS36B	5.04	6.16	10	5.0	50	5.0	150	.00	150A		S1*	C1a
3086d <del>Ø</del>	QZ5.6T10	5.04	6.16	10 <del>Ø</del>	20	11*	20	250		150	D	S1	A21c
3086e <del>Ø</del>	STZ5.6T10	5.04	6.16	10 <del>Z</del>	20	20	20	500		200A		S1	P5
3087	1N1509	5.1	6.2	10	130	2.0	26	750	.03	165A		S1	
3088	1N1520	5.1	6.2	10	175	1.5	35	1000	.03	165A		S1	
3089	1N1590	5.1	6.2	10	625	.75	110	3500	.03	165B		S1	
3090	1N1601	5.1	6.2	10	1750	.40	350	10W	.03	165B		S1	
3091	1N1929	5.1	6.2	10	5.0	8.0	10	250	.01	150A		S1	
3093	1N1983	5.1	6.2	10	5.0	8.0	10	150	.01	150		S1 <del>Ø</del>	
3093a#	1S212	5.1	6.2	10 <del>Ø</del>	20	14	20	400	.006	150A		S1*	
3094	3R5.6	5.1	6.2	10	120	4.5	120	3500	.03	150C		S1	
3095	R5.6	5.1	6.2	10	40	4.5	40	1000	.03	150		S1	

3

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3096	ZB5.6	5.1	6.2	10	26	7.0	26	750	.03	175A	S1	A33	
3097	ZG5.6	5.1	6.2	10	35	6.0	35	3500	.03	175C	S1	S4a	
3098	ZK5.6	5.1	6.2	10	350	.50	350	10W	.03	175C	S1	S19	
3099	ZT5.6	5.1	6.2	10	35	6.0	35	1000	.03	175A	S1	A34	
3100	ZZ5.6Ø	5.1	6.2	10	100	7.0	20	600	0	125A	S1		
3100a	651C9	5.13	5.67	5.0	5.0			150		150A	S1		
3101Ø	HR5.4	5.15	5.65	5.0	5.0	20	10	500		175A	S1	DO7	
3101a	HZ8124	5.2	5.8	5.0	10	20	10	250			S1		
3101b#	1S52	5.2	6.2	10	10	15	10	300	.00	150J			
3101c	AA1 Ø	5.2	6.2	10Ø	.20			150		150A	S1	C1	
3101d	AZ1	5.2	6.2	10Ø	.20			150		150A	S1	C1	
3102	1N469	5.2	6.4	10Ø	5.0	20	10	200		200A	S1*	C1	
3103	1N474 Ø	5.2	6.4	10	5.0	40	10	200		200A	S1*	C1	
3104	1N706	5.2	6.4	10Ø	5.0	20	10	200		200A	S1*	DO7	
3105	1N762	5.2	6.4	10	10	20	10	250	.015	150	S1	A46	
3106	1N2033	5.2	6.4	10	10	20	10	750	.015	150	S1		
3107	1N2042	5.2	6.4	10	1000	.70	1000	10W	.015	150	S1		
3108	652C	5.2	6.4	10	5.0			150		150A	S1	C3	
3108a	HZ8148	5.2	6.4	10	10	20	10	250			S1		
3109	PR705	5.2	6.4	10	1600	.70	1000	10W	.015		S1	S4b	
3110	PR805	5.2	6.4	10	160	1.5	35	1000	.015		S1	A6	
3111	PS6469	5.2	6.4	10	5.0	20	10	500		200A	S1		
3111a#	RD6A	5.2	6.4	10	10	30	10	200	0	150A	S1*	A23	
3111bØ#	RD6B	5.2	6.4	15	40	30	40	1W	0.0	150A	S1	A34a	
3111cØ#	RD6C	5.2	6.4	15	120	20	120	3W	0.0	150A	S1	S42	
3111dØ#	TR6	5.2	6.4	20	5.0	20	10	250	.035	150	S1		
3111fØ	E145	5.22	5.77	5.0	10	20	10	400		175	S1		
3111g	1N2042A	5.23	5.78	5.0	1000	.70	1000	10W	.015	150	S1		
3112	652C0	5.23	5.78	5.0	5.0			150		150A	S1		
3113	PR506	5.23	5.78	5.0	1600	.70	1000	10W	.015		S1		
3113a	PR606	5.23	5.78	5.0	160	1.5	35	1000	.015		S1	A6	
3114	SV123	5.23	5.78	5.0	10	20	10	250	.015	150	S1		
3115	SV1006	5.23	5.78	5.0	10	20	10	750	.015	150	S1		
3117a	1N1509A	5.3	5.9	5.0	26			750	.03	165A	S1		
3117b	1N1520A	5.3	5.9	5.0	35			1000	.03	165A	S1		
3117c	1N1590A	5.3	5.9	5.0	10			3500	.03	165A	S1		
3117d	1N1601A	5.3	5.9	5.0	350			10W	.03	165A	S1		
3118#	SX56	5.3	5.9	5.0	5.0	40	5.0	300	.00	150J	S1*	C6	
3118a#	SZT2	5.3	5.9	15	5.0	7.0	20	300	.001*	150J	S1*	C6	
3119	ZB5.6A	5.3	5.9	5.0	26	7.0	26	750	.03	175A	S1	A33	
3120	ZG5.6A	5.3	5.9	5.0	35	6.0	35	3500	.03	175C	S1	S4a	
3121	ZK5.6A	5.3	5.9	5.0	350	.50	350	10W	.03	175C	S1	S19	
3122	ZT5.6A	5.3	5.9	5.0	35	6.0	35	1000	.03	175A	S1	A34	
3123#	Z2A56F	5.3	5.95	5.0	20	23	20	1000	.004	100	S1		
3123aØ#	MR56H	5.3	6.0	5.0	5.0	28	5.0	210		150	S1	A38a	
3123b#	OAZ202	5.3	6.0	7.0	1.0	25	5.0	250		150J	S1	C10b	
3123c#	OAZ210	5.3	7.2	15	1.0	6.0	5.0	250		150J	S1	C10b	
3124	1N752A	5.32	5.88	5.0	20	11	20	400	.006	175A	S1	A46	
3125	652C1	5.32	5.88	5.0	5.0			150		150A	S1		
3125a	CD3137	5.32	5.88	5.0		8.0	20	250	.006	200S	S1		
3125b#	KS36A	5.32	5.88	5.0	5.0	35	5.0	150	.00	150A	S1*	C1a	
3125c#	VR575AA	5.4	6.1	5.0	20	5.8	20	5WZ		200J	S1	S30	
3126#	VR575AB	5.4	6.1	5.0	20	5.8	20	2000		250J	S1	A34c	
3126a#	VR575BA	5.4	6.1	5.0	20	3.0	20	5WZ		200J	S1	S30	
3127#	VR575BB	5.4	6.1	5.0	20	3.0	20	2000		250J	S1	A34c	
3128#	OA126/6	5.4	6.6	10	3.0	4.0	10	250		175	S1		
3128a	1/4M6.8AZ	5.4	8.2	20Ø	10	10	10	250	.03	175J	S1*	A22a	
3128b	1/4M6.8Z	5.4	8.2	20Ø	9.2	7.0	9.2	250	.040	175J	S1	A22a	
3128c	3/4M6.8Z	5.4	8.2	20Ø	37	3.5	37	750	.040	175J	S1Δ	A31a	
3129	3/4Z6.8D	5.4	8.2	20Ø	37	3.5	37	750	.04	175J	S1Δ	A31a	
3129a	1N957	5.4	8.2	20Ø	18.5	4.5	18.5	400	.040	175J	S1Δ	DO7	
3129b	1N2804	5.4	8.2	20Ø	1850	.20	1850	50W	.04	175J	S1Δ	C5aΔ	
3129c	1N2970	5.4	8.2	20Ø	370	1.2	370	10W	.040	175J	S1	DO4Δ	

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.



### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3129d	1N3016	5.4	8.2	20	37	3.5	37	1000	.04	175J		S1	A31a
3129e	1Z6.8D	5.4	8.2	20	37	3.5	37	1000	.040	175J		S1Δ	A6b
3129f	1Z6.8T20	5.4	8.2	20	30			1000	.05	165A		S1	
3129g	1.5M6.8Z	5.4	8.2	20	55	2.7	55	1.5W	.04	175C		S1	C14
3129h	1.5Z6.8D	5.4	8.2	20	55	2.7	55	1500	.040	175J		S1Δ	C12
3129j	3Z6.8T20	5.4	8.2	20	100			3500	.05	165A		S1	
3129k	10Z6.8D	5.4	8.2	20	370	1.2	370	10W	.040	175J		S1Δ	S4aΔ
3129l	10Z6.8T20	5.4	8.2	20	300			10W	.05	165A		S1	
3129m	MZ6.8T20	5.4	8.2	20	22			750	.05	165A		S1	
3130	652C2	5.42	5.99	5.0	5.0			150		150A		S1	
3131#	SZ6	5.5	6.5	±.5V	10	20	10	150		150		S1	
3131a#	SZL6	5.5	6.5	10	100	2.0	100	800		150J		S1	
3131b#	13Z4	5.5	7.5	15	10	25	10		.01			S1	
3131c#	53Z4	5.5	7.5	15	100	10	100		.05			S1	
3131d#	73Z4	5.5	7.5	15	500	1.3	500		.06			S1	
3132	652C3	5.51	6.09	5.0	5.0			150		150A		S1	
3132a	CD3123	5.51	6.09	5.0	10	20	10	250	.018	150A		S1	A23
3133	1N753	5.58	6.82	10	20	20	20	400	.022	175A	N	S1	A1
3133a	1T6.2	5.58	6.82	10	100	1.5		1000				S1	A6a
3133b	TMD03	5.58	6.82	10	5.0	15	5.0	100		150A		S1Δ	
3134	652C4	5.60	6.20	5.0	5.0			150		150A		S1	
3135	1N709	5.6	6.8	10	25	4.1	25	250		175A		S1Δ	DO7
3136	1N1766	5.6	6.8	10	100	1.5	100	1000		175A		S1Δ	A31
3136a	1N1804	5.6	6.8	10	1000	1.0	1000	10W		175A	A	S1Δ	S11Δ
3137#	1S213	5.6	6.8	10	20	9.	20	400	.022	150A		S1*	
3137a	Z4X6.2B	5.6	6.8	10	100	1.5	100	1000	.030	175J		S1	DO3
3137b	ZB6.2	5.6	6.8	10	24	5.0	24	750	.04	175A		S1	A33
3137c	ZG6.2	5.6	6.8	10	30	3.0	30	3500	.04	175C		S1	S4a
3137d	ZK6.2	5.6	6.8	10	325	3.0	325	10W	.04	175C		S1	S19
3137e	ZT6.2	5.6	6.8	10	30	3.0	30	1000	.04	175A		S1	A34
3137f	1N2042B	5.7	6.3	5.0	1000	.70	1000	10W	.03	150		S1	
3138	652C5	5.7	6.30	5.0	5.0			150		150A		S1	
3138a	E87	5.7	6.3	5.0	10	20	10	400		175		S1	
3138b	HZ8125	5.7	6.3	5.0	10	20	10	250				S1	
3139	PR507	5.70	6.30	5.0	1600	.70	1000	10W	.03			S1	S4b
3140	PR607	5.70	6.30	5.0	160	1.5	35	1000	.03			S1	A6
3141	SV124	5.70	6.30	5.0	10	20	10	250	.03	150		S1	
3142	SV1007	5.70	6.30	5.0	10	20	10	750	.03	150		S1	
3144	652C6	5.80	6.41	5.0	5.0			150		150A		S1	
3146#	MR62H	5.8	6.6	5.0	5.0	10	5.0	210		150		S1	A38a
3146a#	OAZ203	5.8	6.6	7.0	1.0	6.0	5.0	250		150J		S1	C10b
3146b#	106Z4	5.8	6.8	10	10	95	10		.01			S1	
3146c#	206Z4	5.8	6.8	10	100	5.0	100		.08			S1	
3146d#	306Z4	5.8	6.8	10	500	1.3	500		.06			S1	
3147#	Z2A62F	5.85	6.55	5.0	20	19	20	1000	.031	100		S1	
3148	1N753A	5.89	6.51	5.0	20	7.0	20	400	.022	175A		S1	A46
3148a	CD3138	5.89	6.51	5.0		3.0	20	250	.022	200S		S1	
3148b#	KS37A	5.89	6.51	5.0	5.0	8.0	5.0	150	.03	150A		S1*	C1a
3148c	QZ6.2T5	5.89	6.51	5.0	20	7.0*	20	250		150	D	S1	A21c
3149	1N429	5.9	6.5	5.0	7.5	20	7.5	250	.01	150A	F	S1*	C1
3149a*	1N675	5.9	6.5	5.0	20	3.0	20	400	.03	200	A	S1	
3150	1N821	5.9	6.5	5.0	7.5	15	7.5	250	.01	125		S1	DO7
3150a	1N821A	5.9	6.5	5.0	7.5	10	7.5	400	.01	100		S1	DO7
3151	1N822	5.9	6.5	5.0	7.5	15	7.5	250	.01	125		S1	DO7
3152	1N823	5.9	6.5	5.0	7.5	15	7.5	250	.005	125		S1	DO7
3152a	1N823A	5.9	6.5	5.0	7.5	10	7.5	400	.005	100		S1	DO7
3153	1N824	5.9	6.5	5.0	7.5	15	7.5	250	.005	125		S1	DO7
3154	1N825	5.9	6.5	5.0	7.5	15	7.5	250	.002	125		S1	DO7
3154a	1N825A	5.9	6.5	5.0	7.5	10	7.5	400	.002	100		S1	DO7
3155	1N826	5.9	6.5	5.0	7.5	15	7.5	250	.001	125		S1	DO7
3155a	1N827	5.9	6.5	5.0	7.5	15	7.5		.001	125		S1	
3155b	1N827A	5.9	6.5	5.0	7.5	10	7.5	400	.001	100		S1	DO7
3155c*	1N1483	5.9	6.5	5.0	200	2.0	200	10W	.03	175	A	S1	

3

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3155d*	1N1485	5.9	6.5	5.0	20	5.0	20	1000	.04	200	A	S1	
3156	1N1735	5.9	6.5	5.0	7.5	20	7.5	200	.01	150A		S1*	A27
3156a	1Z6.2T5	5.9	6.5	5.0	35			1000	.03	165A		S1	
3156b	3Z6.2T5	5.9	6.5	5.0	110			3500	.03	165A		S1	
3156c	10Z6.2T5	5.9	6.5	5.0	350			10W	.03	165A		S1	
3156d	MZ6.2T5	5.9	6.5	5.0	26			750	.03	165A		S1	
3156e#	SX62	5.9	6.5	5.0	5.0	30	5.0	300	.01	150J		S1*	C6
3157#	TRR6 Ø	5.9	6.5	5.0	7.5	20	25	250	.010	150		S1	
3157a	ZB6.2A	5.9	6.5	5.0	24	5.0	24	750	.04	175A		S1	A33
3157b	ZG6.2A	5.9	6.5	5.0	30	3.0	30	3500	.04	175C		S1	S4a
3157c	ZK6.2A	5.9	6.5	5.0	325	3.0	325	10W	.04	175C		S1	S19
3157d	ZT6.2A	5.9	6.5	5.0	30	3.0	30	1000	.04	175A		S1	A34
3158	652C7	5.90	6.51	5.0	5.0			150		150A		S1	
3158a#	VR625A	5.9	6.6	5.0	20	1.8	20	5W		200J		S1	S30
3159#	VR625B	5.9	6.6	5.0	20	1.8	20	2000		250J		S1	A34c
3160	652C8	5.99	6.62	5.0	5.0			150		150A		S1	
3160a#	OV6	6.0	7.0	7.0		12	5.0	120	.01	150		S1	
3160b#	Z6	6.0	7.0	7.0	5.0	25	5.0	300	.04	150		S1	
3160c#	ZL6	6.0	7.0	7.0	100	2.0	100	1500	.025	150		S1	
3161#	1S53	6.0	7.1	10	10	3.0	10	300	.04	150J			
3161a	1/4M7.5Z	6.0	9.0	20Ø	8.3	8.0	8.3	250	.045	175J		S1	A22a
3161b	3/4M7.5Z	6.0	9.0	20Ø	34	4.0	34	750	.045	175C		S1	A31a
3161c	3/4Z7.5D	6.0	9.0	20Ø	34	4.0	34	750	.045	175J		S1Δ	A31a
3161d	1N958	6.0	9.0	20Ø	16.5	5.5	16.5	400	.045	175J		S1Δ	DO7
3161e	1N2805	6.0	9.0	20Ø	1700	.50	1700	50W	.045	175J		S1Δ	C5aΔ
3161f	1N2971	6.0	9.0	20Ø	335	1.3	335	10W	.045	175J		S1	DO4Δ
3161g	1N3017	6.0	9.0	20Ø	34	4.0	34	1000	.045	175J		S1	A31a
3161h	1Z7.5D	6.0	9.0	20Ø	34	4.0	34	1000	.045	175J		S1Δ	A6b
3161j	1.5M7.5Z	6.0	9.0	20Ø	50	3.0	50	1.5W	.045	175C		S1	C14
3161k	1.5Z7.5D	6.0	9.0	20Ø	50	3.0	50	1500	.045	175J		S1Δ	C12
3161m	10Z7.5D	6.0	9.0	20Ø	335	1.3	335	10W	.045	175J		S1Δ	S4aΔ
3161n	TMD02	6.04	6.16	10Ø	5.0	15	5.0	100		150A		S1Δ	
3162	652C9	6.08	6.72	5.0	5.0			150		150A		S1	
3163	1N710	6.1	7.5	10Ø	25	4.7	25	250		175A		S1Δ	DO7
3164	1N1767	6.1	7.5	10Ø	100	1.7	100	1000		175A		S1Δ	A31
3165	1N1805	6.1	7.5	10Ø	1000	1.0	1000	10W		175A		S1Δ	S11Δ
3165a#	SZ68A	6.1	7.5	10	20	10	20	1500	.04	160A		S1	A26
3165bØ	Z4X6.8B	6.1	7.5	10Ø	100	1.7	100	1000	.037	175J		S1	DO3
3165c	TMD04	6.12	7.46	10Ø	5.0	15	5.0	100		150A		S1Δ	
3165d	1EZ6.8T10	6.12	7.48	10Ø	30	1.6	30	1000	.05	130A		S1	A35a
3166	1N754	6.12	7.48	10	20	5.0	20	400	.035	175A	N	S1	A1
3166aØ	1N957A	6.12	7.48	10Ø	18.5	700	1.0	500	.040	175A		S1Δ	DO7
3166bØ	1N2970A	6.12	7.48	10Ø	370	1.2	370	10W	.040	175J		S1	DO4Δ
3166cØ	1N3016A	6.12	7.48	10Ø	37	3.5	37	1000	.040	175J		S1	A31a
3166d	1T6.8	6.12	7.48	10	100	1.7		1000				S1	A6a
3166e	10EZ6.8T10	6.12	7.48	10Ø	300	.20	300	10W	.05	130A		S1	S22
3166fØ	EEZ39T10-2	6.12	7.48	10Ø	20	20	20	400		200A		S1	A11
3166gØ	ETZ6.8T10-2	6.12	7.48	10Ø	20	20	20	400		200A		S1	A11
3166h*#	KS38B	6.12	7.48	10	5.0	8.0	5.0	150	.04	150A		S1*	C1a
3166j	MEZ6.8T10	6.12	7.48	10Ø	15	2.0	15	500	.05	130A		S1	A35
3166kØ	QZ6.8T10	6.12	7.48	10Ø	20	5.0*	20	250		150	D	S1	A21c
3166mØ	STZ6.8T10	6.12	7.48	10Ø	20	20	20	500		200A		S1	P5
3166nØ	E144	6.17	6.82	5.0	10	8.0	10	400		175		S1	
3166pØ	HR6.5	6.17	6.83	5.0	5.0	10	10	500		175A		S1	DO7
3166q	1N2043A	6.18	6.83	5.0	1000	.80	1000	10W	.038	150		S1	
3167	653C0	6.18	6.83	5.0	5.0			150		150A		S1	
3168	PR508	6.18	6.83	5.0	1200	.80	1000	10W	.038			S1	S4b
3169	PR608	6.18	6.83	5.0	120	2.0	30	1000	.038			S1	A6
3170	SV125	6.18	6.83	5.0	10	8.0	10	250	.038	150		S1	
3171	SV1008	6.18	6.83	5.0	10	8.0	10	750	.038	150		S1	
3172	HZ8126	6.2	6.8	5.0	10	8.0	10	250				S1	
3173	1N1510	6.2	7.5	10	110	2.5	22	750	.05	165A		S1	
3174	1N1521	6.2	7.5	10	150	2.0	30	1000	.05	165A		S1	

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3175	1N1591	6.2	7.5	10	525	1.0	100	3500	.05	165B		S1	
3176	1N1602	6.2	7.5	10	1500	.50	300	10W	.05	165B		S1	
3177	1N1930	6.2	7.5	10	5.0	7.0	10	250	.0	150A		S1	
3179	1N1984	6.2	7.5	10	5.0	7.0	10	150	.03	150		S1	
3179a#	1S214	6.2	7.5	10	20	6.0	20	400	.035	150A		S1*	
3180	3R6.8	6.2	7.5	10	60	6.5	60	3500	.05	150C		S1	
3180a	AA2 ∅	6.2	7.5	10	.20			150		150A		S1	C1
3180b	AZ2	6.2	7.5	10	.20			150		150A		S1	C1
3181	R6.8	6.2	7.5	10	20	6.5	20	1000	.05	150		S1	
3182	ZB6.8	6.2	7.5	10	22	4.0	22	750	.05	175A		S1	A33
3183	ZG6.8	6.2	7.5	10	30	2.0	30	3500	.05	175C		S1	S4a
3184	ZK6.8	6.2	7.5	10	300	.25	300	10W	.05	175C		S1	S19
3185	ZT6.8	6.2	7.5	10	30	2.0	30	1000	.05	175A		S1	A34
3186	ZZ6.8 ∅	6.2	7.5	10	80	10	16	600	.025	125A		S1	
3187	1N470	6.2	8.0	10	5.0	10	10	200		200A		S1*	C1
3188	1N475 ∅	6.2	8.0	10	5.0	25	10	200		200A		S1*	C1
3189	1N707	6.2	8.0	10	5.0	10	10	200		200A		S1*	DO7
3190	1N763	6.2	8.0	10	10	8.0	10	250	.014	150		S1	A46
3191	1N2034	6.2	8.0	10	10	8.0	10	750	.041	150		S1	
3192	1N2043	6.2	8.0	10	1000	.80	1000	10W	.041	150		S1	DO4
3193	653C	6.2	8.0	10	5.0				150	150A		S1	C3
3193a	HZ8149	6.2	8.0	10	10	8.0	10	250				S1	
3194	PR706	6.2	8.0	10	1200	.80	1000	10W	.043			S1	S4b
3195	PR806	6.2	8.0	10	120	2.0	30	1000	.043			S1	A6
3196	PS6470	6.2	8.0	10	5.0	10	10	500		200A		S1	
3196a#	RD7A	6.2	8.0	10	10	15	10	200	.04	150A		S1*	A23
3196b#	RD7B	6.2	8.0	15	40	15	40	1W	.04	150A		S1	A34a
3196c#	RD7C	6.2	8.0	15	120	10	120	3W	.04	150A		S1	S42
3196d#	TR7	6.2	8.0	20	5.0	10	10	250	.040	150		S1	
3196e#	TRR7 ∅	6.2	8.0	10	7.5	20	7.5	250	.013	150		S1	
3197	653C1	6.27	6.93	5.0	5.0			150		150A		S1	
3198	653C2	6.37	7.04	5.0	5.0			150		150A		S1	
3198a#	MR68H	6.4	7.2	5.0	5.0	3.7	5.0	210		150		S1	A38a
3199#	OAZ204	6.4	7.2	5.0	1.0	4.0	5.0	250		150J		S1	C10b
3201#	OA126 /7	6.4	7.6	10	3.0	2.5	10	250		175		S1	
3201a#	VR7A	6.4	7.6	10	20	1.5	20	5W		200J		S1	S30
3202#	VR7B	6.4	7.6	10	20	1.5	20	2000		250J		S1	A34c
3202a#	OAZ211	6.4	8.7	20	1.0	4.0	5.0	250		150J		S1	C10b
3203#	Z2A68F	6.45	7.20	5.0	20	15	20	1000	.042	100		S1	
3204	1N754A	6.46	7.14	5.0	20	5.0	20	400	.035	175A		S1	A46
3204a	1N2765	6.46	7.14	5.0	7.5	20	7.5		.005	175		S1	
3204b	1N2765A	6.46	7.14	5.0	7.5	20	7.5		.0025	175		S1	A48c
3204c∅	1N2970B	6.46	7.14	5.0	370	1.2*	370	10W		175J	A	S1	DO4Δ
3205	653C3	6.46	7.14	5.0	5.0			150		150A		S1	
3205a	CD3139	6.46	7.14	5.0		3.0	20	250	.035	200S		S1	
3205b#	KS38A	6.46	7.14	5.0	5.0	8.0	5.0	150	.04	150A		S1*	C1a
3205c	1N1510A	6.5	7.1	5.0	22			750	.05	165A		S1	
3205d	1N1521A	6.5	7.1	5.0	30			1000	.05	165A		S1	
3205e	1N1591A	6.5	7.1	5.0	100			3500	.05	165A		S1	DO4
3205f	1N1602A	6.5	7.1	5.0	300			10W	.05	165A		S1	
3206	ZB6.8A	6.5	7.1	5.0	22	4.0	22	750	.05	175A		S1	A33
3207	ZG6.8A	6.5	7.1	5.0	30	2.0	30	3500	.05	175C		S1	S4a
3208	ZK6.8A	6.5	7.1	5.0	300	.25	300	10W	.05	175C		S1	S19
3209	ZT6.8A	6.5	7.1	5.0	30	2.0	300	1000	.05	175A		S1	A34
3210#	SX68	6.5	7.2	5.0	5.0	20	5.0	300	.02	150J		S1*	C6
3211#	SZ7	6.5	7.5	±.5V	10	15	10	150		150		S1	
3211a#	SZL7	6.5	7.5	5.0	100	2.0	100	800		150J		S1	
3211b#	14Z4	6.5	9.5	20	10	15	10		.07			S1	
3211c#	54Z4	6.5	9.5	20	100	10	100		.07			S1	
3211d#	74Z4	6.5	9.5	20	500	2.0	500		.06			S1	
3211e	HZ8127	6.6	7.4	5.0	10	8.0	10	250				S1	
3211f	1/4M8.2Z	6.6	9.8	20	7.6	9.0	7.6	250	.048	175J		S1	A22a
3211g	3/4M8.2Z	6.6	9.8	20	31	4.5	31	750	.048	175C		S1	A31a

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3211h	3/4Z8.2D	6.6	9.8	20∅	31	4.5	31	750	.048	175J		S1Δ	A31a
3211j	1N959	6.6	9.8	20∅	15	6.5	15	400	.048	175J		S1Δ	DO7
3211k	1N2806	6.6	9.8	20∅	1500	.40	1500	50W	.048	175J		S1Δ	ΔC5a
3211m	1N2972	6.6	9.8	20∅	305	1.5	305	10W	.048	175J		S1	DO4Δ
3211n	1N3018	6.6	9.8	20∅	31	4.5	31	1000	.048	175J		S1	A31a
3211o	1Z8.2D	6.6	9.8	20∅	31	4.5	31	1000	.048	175J		S1Δ	A6b
3211p	1.5M8.2Z	6.6	9.8	20∅	46	3.5	46	1.5W	.048	175C		S1	C14
3211q	1.5Z8.2D	6.6	9.8	20∅	46	3.5	46	1500	.048	175J		S1Δ	C12
3211r	10Z8.2D	6.6	9.8	20∅	305	1.5	305	10W	.048	175J		S1Δ	S4aΔ
3211s	1N2043B	6.65	7.35	5.0	1000	.80	1000	10W	.043	150		S1	
3212	653C4	6.65	7.35	5.0	5.0			150		150A		S1	
3212a∅	E143	6.65	7.35	5.0	10	8.0	10	400		175		S1	
3213	PR509	6.65	7.35	5.0	1200	.80	1000	10W	.043			S1	S4b
3214	PR609	6.65	7.35	5.0	120	2.0	30	1000	.043			S1	A6
3215	SV126	6.65	7.35	5.0	10	8.0	10	250	.043	150		S1	
3216	SV1009	6.65	7.35	5.0	10	8.0	10	750	.043	150		S1	
3218	SV3170	6.7	7.4	10	10	10	10		.02	125A		S1	
3219	SV3171	6.7	7.4	10	10	10	10		.01	125A		S1	
3219a∅	TC710	6.7	7.4	5.0	10	10	10		.02	125A		S1	A45
3219b∅	TC710A	6.7	7.4	5.0	10	10	10		.01	125A		S1	A45
3219c	1N763A	6.7	7.5	5.0	10	8.0	10	250	.014	150		S1Δ	
3220	1N711	6.7	8.3	10∅	25	5.3	25	250		175A		S1Δ	DO7
3221	1N1768	6.7	8.3	10∅	100	2.1	100	1000		175A		S1Δ	A31
3222	1N1806	6.7	8.3	10∅	1000	1.0	1000	10W		175A		S1Δ	S11Δ
3222a	ZB7.5	6.7	8.3	10	20	3.5	20	750	.055	175A		S1	A33
3222b	ZG7.5	6.7	8.3	10	25	2.5	25	3500	.055	175C		S1	S4a
3222c	ZK7.5	6.7	8.3	10	275	3.0	275	10W	.055	175C		S1	S19
3222d	ZT7.5	6.7	8.3	10	25	2.5	25	1000	.055	175A		S1	A34
3222f	CD8124	6.75	7.45	5.0	10	8.0	10	250	.041	150A		S1	A23
3222g	1N755	6.75	8.25	10	20	6.0	20	400	.045	175A	N	S1	A1
3222h∅	1N958A	6.75	8.25	10∅	16.5	700	.50	500	.045	175A		S1Δ	DO7
3222j∅	1N2971A	6.75	8.25	10∅	335	1.3	335	10W	.045	175J		S1	DO4Δ
3222k∅	1N3017A	6.75	8.25	10∅	34	4.0	34	1000	.045	175J		S1	A31a
3223	1T7.5	6.75	8.25	10	100	2.1	1000			150A		S1	A6a
3223a	TMD05	6.75	8.27	10∅	5.0	15	5.0	100		150A		S1Δ	
3223c#	10Z74	6.8	7.8	8.0	10	80	10		.07			S1	
3223d#	20Z74	6.8	7.8	8.0	100	3.0	100		.09			S1	
3223e#	30Z74	6.8	7.8	8.0	500	1.8	500		.07			S1	
3223f#	1S215	6.8	8.2	10∅	20	8.0	20	400	.045	150A		S1*	
3223g∅	Z4X7.5B	6.8	8.3	10∅	100	2.1	100	1000	.044	175J		S1	DO3
3223h∅	VR8.5	6.8	10.2	20∅	25	5.0*	25	1000	.04	125C		S1	A51
3224	653C5	6.84	7.56	5.0	5.0			150		150A		S1	
3224a#	1S54	6.9	8.1	10	10	6.0	10	300	.04	150J			
3225#	OV7	7.0	8.0	7.0		10	5.0	120	.045	150		S1	
3225a#	Z7	7.0	8.0	7.0	5.0	20	5.0	300	.045	150		S1	
3225b#	ZL7	7.0	8.0	7.0	100	2.0	100	1500	.045	150		S1	
3226	653C6	7.03	7.77	5.0	5.0			150		150A		S1	
3226a	1Z7.5T5	7.1	7.9	5.0	30			1000	.05	165A		S1	
3226b	3Z7.5T5	7.1	7.9	5.0	100			3500	.05	165A		S1	
3226c	10Z7.5T5	7.1	7.9	5.0	300			10W	.05	165A		S1	
3226d	GLZ7.5BCA	7.1	7.9	5.0	8.3	8.0	8.3	250	.045			S1Δ	DO7
3226e∅#	MR75H	7.1	7.9	5.0	5.0	4.0	5.0	210		150		S1	A38a
3226f	MZ7.5BCA	7.1	7.9	5.0	335	1.3	335	10W	.045	175J		S1Δ	DO4Δ
3226g	MZ7.5T5	7.1	7.9	5.0	22			750	.05	165A		S1	
3226h#	OAZ205	7.1	7.9	5.0	1.0	4.0	5.0	250		150J		S1	C10b
3227#	Z2A75F	7.1	7.9	5.0	20	15	20	1000	.05	100		S1	
3227a	ZB7.5A	7.1	7.9	5.0	20	3.5	20	750	.055	175A		S1	A33
3227b	ZG7.5A	7.1	7.9	5.0	25	2.5	25	3500	.055	175C		S1	S4a
3227c	ZK7.5A	7.1	7.9	5.0	275	3.0	275	10W	.055	175C		S1	S19
3227d	ZT7.5A	7.1	7.9	5.0	25	2.5	25	1000	.055	175A		S1	A34
3227f∅	E142	7.12	7.87	5.0	10	8.0	10	400		175		S1	
3227g*#	KS39A	7.12	7.87	5.0	5.0	6.0	5.0	150	.05	150A		S1*	C1a
3227h∅	1N2971B	7.12	7.88	5.0	335	1.3*	335	10W		175J	A	S1	DO4Δ

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (±%)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3227i	CD3141	7.12	7.88	5.0		4.0	10	250	.045	200S		S1	
3227j	QZ7.5T5	7.12	7.88	5.0	20	8.0*	20	250		150	D	S1	A21c
3228	1N755A	7.13	7.88	5.0	20	6.0	20	400	.045	175A		S1	A46
3228a	1N2043C	7.13	7.88	5.0	1000	.80	1000	10W	.047	150		S1	
3229	PR510	7.13	7.88	5.0	1200	.80	1000	10W	.047			S1	S4b
3230	PR610	7.13	7.88	5.0	120	2.0	30	1000	.047			S1	A6
3231	SV127	7.13	7.88	5.0	10	8.0	10	250	.047	150		S1	
3232	SV1010	7.13	7.88	5.0	10	8.0	10	750	.047	150		S1	
3234#	SX75	7.2	7.9	5.0	5.0	20	5.0	300	.04	150J		S1*	C6
3234a	3Z9T20	7.2	10.8	20	2.0	70	2.0	1000		200A		S1	A9
3234b	4Z9T20	7.2	10.8	20	2.0	70	2.0	2000		200A		S1	S36
3234c	ECZ9T20-1	7.2	10.8	20	2.0	70	2.0	750		200A		S1	A10
3234d	ECZ9T20-2	7.2	10.8	20	1.0	70	1.0	400		200A		S1	A11
3234e	SCZ9T20	7.2	10.8	20	1.0	70	1.0	500		200A		S1	P5
3235	653C7	7.22	7.99	5.0	5.0			150		150A		S1	
3237	1/4M9.1Z	7.3	10.9	20	6.9	10	6.9	250	.051	175		S1	A22a
3237b	3/4M9.1Z	7.3	10.9	20	28	5.0	28	750	.051	175C		S1	A31a
3237c	3/4Z9.1D	7.3	10.9	20	28	5.0	28	750	.051	175J		S1Δ	A31a
3237d	1N960	7.3	10.9	20	14	7.5	14	400	.051	175J		S1Δ	DO7
3237e	1N2807	7.3	10.9	20	1370	.50	1370	50W	.051	175J		S1Δ	C5aΔ
3237f	1N2973	7.3	10.9	20	275	2.0	275	10W	.051	175J		S1	DO4Δ
3237g	1N3019	7.3	10.9	20	28	5.0	28	1000	.051	175J		S1	A31a
3237h	1Z9.1D	7.3	10.9	20	28	5.0	28	1000	.051	175J		S1Δ	A6b
3237j	1.5M9.1Z	7.3	10.9	20	41	4.0	41	1.5W	.051	175C		S1	C14
3237k	1.5Z9.1D	7.3	10.9	20	41	4.0	41	1500	.051	175J		S1Δ	C12
3237l	10Z9.1D	7.3	10.9	20	275	2.0	275	10W	.051	175J		S1Δ	S4aΔ
3237m	1EZ8.2T10	7.38	9.02	10	25	1.1	25	1000	.06	130A		S1	A35a
3238	1N756	7.38	9.02	10	20	8.0	20	400	.052	175A	N	S1	A1
3238a	1N959A	7.38	9.02	10	15	700	.50	500	.048	175A		S1Δ	DO7
3238b	1N2972A	7.38	9.02	10	305	1.5	305	10W	.048	175J		S1	DO4Δ
3238c	1N3018A	7.38	9.02	10	31	4.5	31	1000	.048	175J		S1	A31a
3239	1T8.2	7.38	9.02	10	100	2.4	1000					S1	A6a
3239a	1TZ8.2T10	7.38	9.02	10	25			1000	.04	200A		S1	A9
3239b	2TZ8.2T10	7.38	9.02	10	25			2000	.04	200A		S1	S36
3239c	2Z8.2T10	7.38	9.02	10	2.0	30	2.0	2000		200A		S1	S36
3239d	10EZ8.2T10	7.38	9.02	10	250	.25	250	10W	.06	130A		S1	S22
3239e	EEZ8.2T10-1	7.38	9.02	10	2.0	30	2.0	750		200A		S1	A10
3239f	EEZ4T10-2	7.38	9.02	10	10	15	10	400		200A		S1	A11
3239g	ETZ8.2T10-1	7.38	9.02	10	25			750	.04	200A		S1	A10
3239h	ETZ8.2T10-2	7.38	9.02	10	10	15	10	400		200A		S1	A11
3239j#	KS40B	7.38	9.02	10	5.0	6.0	5.0	150	.05	150A		S1*	
3239k	MEZ8.2T10	7.38	9.02	10	12	2.0	12	500	.06	130A		S1	A35
3239l	QZ8.2T10	7.38	9.02	10	20	9.0*	20	250		150	D	S1	A21c
3239m	SEZ8.2T10	7.38	9.02	10	1.0	60	1.0	500		200A		S1	P5
3239n	STZ8.2T10	7.38	9.02	10	10	15	10	500		200A		S1	P5
3239p	TMD06	7.38	9.02	10	5.0	15	5.0	100		150A		S1Δ	
3240	HZ8128	7.4	7.9	5.0	10	8.0	10	250				S1	
3242#	OA126/8	7.4	8.6	7.5	3.0	2.8	10	250		175		S1	
3242a#	VR8A	7.4	8.6	7.5	20	1.5	20	5W		200J		S1	S30
3243#	VR8B	7.4	8.6	7.5	20	1.5	20	2000		250J		S1	A34c
3244	1N712	7.4	9.0	10	25	6.0	25	250		175A		S1Δ	DO7
3245	1N1769	7.4	9.0	10	100	2.4	100	1000		175A		S1Δ	A31
3246	1N1807	7.4	9.0	10	1000	1.0	1000	10W		175A	A	S1Δ	S11Δ
3246a	Z4X8.2B	7.4	9.0	10	100	2.4	100	1000	.050	175J		S1	DO3
3246b	SZ82A	7.4	9.1	10	20	15	20	1500	.05	160A		S1	A26
3247	653C8	7.41	8.19	5.0	5.0			150		150A		S1	
3247a	MRA1 Δ	7.5	8.5	5.0	5.0			300	.005	100A		S1§	TO39
3247b	MRA1A Δ	7.5	8.5	5.0	5.0			300	.002	100A		S1§	TO39
3247c#	SZ8	7.5	8.5	±.5V	10	15	10	150		150		S1	
3248#	SZL8	7.5	8.5	7.0	100	2.5	100	800		150J		S1	
3248a	AA3 ∅	7.5	9.0	10	.20			150		150A		S1	C1
3248b	AZ3	7.5	9.0	10	.20			150		150A		S1	C1
3249	1N1511	7.5	9.1	10	90	4.0	18	750	.06	165A		S1	

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SEE FOLD-OUT BACK COVER  
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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)



LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.

LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3250	1N1522	7.5	9.1	10	120	3.0	25	1000	.06	165A		S1	
3251	1N1592	7.5	9.1	10	425	1.5	80	3500	.06	165B		S1	
3252	1N1603	7.5	9.1	10	1200	.75	250	10W	.06	165B		S1	DO4
3253	1N1875	7.5	9.1	10	25	1.0	50	1000	.04	200S		S1Δ	
3254	1N1891	7.5	9.1	10	25	1.0	50	10W	.04	200S		S1Δ	
3255	1N1931	7.5	9.1	10	5.0	15	10	250	.06	150A		S1∅	
3257	1N1985	7.5	9.1	10	5.0	15	10	150	.06	150		S1∅	
3257a	1S216	7.5	9.1	10∅	20	10	20	400	.052	150A		S1*	
3258	3R8.2	7.5	9.1	10	60	9.0	60	3500	.06	150C		S1	
3259	LPZT8.2 ∅	7.5	9.1	10	25	2.0	25	1000	.04	185		S1Δ	
3260	PZT8.2 ∅	7.5	9.1	10	25	2.0	25	10WZ	.04	185		S1Δ	
3261	R8.2	7.5	9.1	10	20	9.0	20	1000	.06	150		S1	
3262	ZB8.2	7.5	9.1	10	18	4.0	8.0	750	.06	175A		S1	A33
3263	ZG8.2	7.5	9.1	10	25	3.0	25	3500	.06	175C		S1	S4a
3264	ZK8.2	7.5	9.1	10	250	.75	250	10W	.06	175C		S1	S19
3265	ZT8.2	7.5	9.1	10	25	3.0	25	1000	.06	175A		S1	A34
3266	ZZ8.2 ∅	7.5	9.1	10	70	14	14	600	.035	125A		S1	
3267	1N225 ∅	7.5	10	10	.20			150		150A		S1*	C1
3268	1N764	7.5	10	10	10	15	10	250	.055	150		S1	A46
3269	1N1313	7.5	10	10∅	.20			150		150A		S1*	C1
3270	1N2035	7.5	10	10	10			750	.055	150		S1	
3271	1N2044	7.5	10	10	1000	.80	1000	10W	.055	150		S1	DO4
3271a	HZ8151	7.5	10	10	10	15	10	250				S1	
3272	PR708	7.5	10	10	1000	.80	1000	10W	.057			S1	S4b
3273	PR808	7.5	10	10	100	3.0	25	1000	.057			S1	A6
3274	PS6313	7.5	10	10	.20			500		200A		S1	A46
3274a#	RD9A	7.5	10	10	10	10	10	200	.06	150A		S1*	A23
3274b∅#	RD9B	7.5	10	15	20	8.0	20	1W	.06	150A		S1	A34a
3274c∅#	RD9C	7.5	10	15	80	8.0	80	3W	.06	150A		S1	S42
3274d∅#	TR9	7.5	10	20	5.0	15	10	250	.057	150		S1	
3274e	1N2044A	7.6	8.4	5.0	1000	.80	1000	10W	.05	150		S1	
3275	653C9	7.60	8.40	5.0	5.0			150		150A		S1	
3275a∅	E86	7.6	8.4	5.0	10	15	10	400		175		S1	
3275b	HZ8129	7.6	8.4	5.0	10	15	10	250				S1	
3276	PR511	7.60	8.40	5.0	1000	.80	1000	10W	.05			S1	S4b
3277	PR611	7.60	8.40	5.0	100	3.0	25	1000	.05			S1	A6
3278	SV128	7.60	8.40	5.0	10	15	10	250	.05	150		S1	
3279	SV1011	7.60	8.40	5.0	10	15	10	750	.05	150		S1	
3280∅#	MR82H	7.7	8.7	5.0	5.0	5.5	5.0	210		150		S1	A38a
3280a#	OAZ206	7.7	8.7	5.0	1.0	4.0	5.0	250		150J		S1	C10b
3280b#	OAZ212	7.7	10.6	15	1.0	4.0	5.0	250		150J		S1	C10b
3280c	1N756A	7.79	8.61	5.0	20	8.0	20	400	.052	175A		S1	A46
3280d∅	1N2972B	7.79	8.61	5.0	305	1.5*	305	10W		175J	A	S1	DO4Δ
3281	CD3142	7.79	8.61	5.0		5.0	10	250	.052	200S		S1	
3281a*#	KS40A	7.79	8.61	5.0	5.0	6.0	5.0	150	.05	150A		S1*	C1a
3281b*	1N664	7.8	8.6	5.0	10	7.0	10	400	.05	200	A	S1	
3281c*	1N1416	7.8	8.6	5.0	200	3.0	200	10W	.05	175	A	S1	
3281d*	1N1425	7.8	8.6	5.0	20	5.0	20	1000	.05	200	A	S1	
3281e	1N1511A	7.8	8.6	5.0	18			750	.06	165A		S1	
3281f	1N1522A	7.8	8.6	5.0	25			1000	.06	165A		S1	
3281g	1N1592A	7.8	8.6	5.0	80			3500	.06	165A		S1	DO4
3281h	1N1603A	7.8	8.6	5.0	250			10W	.06	165A		S1	DO4
3281j	GLZ8.2BCA	7.8	8.6	5.0	7.6	9.0	7.6	250	.048			S1Δ	DO7
3281k	MZ8.2BCA	7.8	8.6	5.0	305	1.5	305	10W	.048	175J		S1Δ	DO4Δ
3282	ZB8.2A	7.8	8.6	5.0	18	4.0	8.0	750	.06	175A		S1	A33
3283	ZG8.2A	7.8	8.6	5.0	25	3.0	25	3500	.06	175C		S1	S4a
3284	ZK8.2A	7.8	8.6	5.0	250	.75	250	10W	.06	175C		S1	S19
3285	ZT8.2A	7.8	8.6	5.0	25	3.0	25	1000	.06	175A		S1	A34
3286#	Z2A82F	7.8	8.7	5.0	20	19	20	1000	.055	100		S1	
3286a#	108Z4	7.8	8.8	5.0	10	70	10		.08			S1	
3286b#	208Z4	7.8	8.8	5.0	100	7.0	100		.09			S1	
3286c#	308Z4	7.8	8.8	5.0	500	2.3	500		.08			S1	
3287#	SX82	7.9	8.6	5.0	5.0	30	5.0	300	.06	150J		S1*	C6

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3287a#	1S55	7.9	9.1	5.0	10	9.0	10	300	.04	150J			
3287bØ	4RV8	7.98	8.82	5.0				840	.002	125		S1	
3287cØ	4RV8A	7.98	8.82	5.0				840	.001	125		S1	
3287dØ	6RV8	7.98	8.82	5.0				840	.002	125		S1	
3287eØ	6RV8A	7.98	8.82	5.0				840	.001	125		S1	
3287fØ	RV8	7.98	8.82	5.0				840	.002	125		S1	
3287gØ	RV8A	7.98	8.82	5.0				840	.001	125		S1	
3287hØ	RV8PC	7.98	8.82	5.0				840	.002	125		S1	
3287jØ	RV8PCA	7.98	8.82	5.0				840	.001	125		S1	
3288	1N430	8.0	8.8	5.0	10	15	10	250	.014	150A	N	S1*	S20
3289	1N430A	8.0	8.8	5.0	10	15	10	250	.007	150A		S1*	S20
3290	1N430B	8.0	8.8	5.0	10	15	10	250	.011	150A		S1*	S20
3291	1N1530	8.0	8.8	5.0	10	15	10	250	.014	150A		S1*	C7
3292	1N1530A	8.0	8.8	5.0	10	15	10	250	.007	150A		S1*	C7
3292aØ	1N3154	8.0	8.8	5.0	10	15	10	400	.01	100		S1	DO7
3292bØ	1N3154A	8.0	8.8	5.0	10	15	10	400	.01	150		S1	DO7
3292cØ	1N3155	8.0	8.8	5.0	10	15	10	400	.005	100		S1	DO7
3292dØ	1N3155A	8.0	8.8	5.0	10	15	10	400	.005	150		S1	DO7
3292eØ	1N3156	8.0	8.8	5.0	10	15	10	400	.002	100		S1	DO7
3292fØ	1N3156A	8.0	8.8	5.0	10	15	10	400	.002	150		S1	DO7
3293Ø	1N3157	8.0	8.8	5.0	10	15	10	400	.001	100		S1	DO7
3293a	CD4111	8.0	8.8	5.0	10	15	10	250	.0005	200S		S1	
3293b	CD4112	8.0	8.8	5.0	10	15	10	250	.001	200S		S1	
3293c	CD4113	8.0	8.8	5.0	10	15	10	250	.002	200S		S1	
3293d	CD4114	8.0	8.8	5.0	10	15	10	250	.005	200S		S1	
3293e	CD4115	8.0	8.8	5.0	10	15	10	250	.010	200S		S1	
3293fØ	PS1501	8.0	8.8	5.0	10	15	10	250	.002	150A		S1	A48a
3293gØ	PS1501A	8.0	8.8	5.0	10	15	10	250	.001	150A		S1	A48a
3293h	SV3173	8.0	8.8	10	10	15	10		.005	125A		S1	
3294	SV3174	8.0	8.8	10	10	15	10		.003	125A		S1	
3295	SV3175	8.0	8.8	10	10	15	10		.002	125A		S1	
3295a	SV3176	8.0	8.8	10	10	15	10		.001	125A		S1	
3295bØ	TC810	8.0	8.8	5.0	10	15	10		.005	125A		S1	A45
3295cØ	TC810A	8.0	8.8	5.0	10	15	10		.003	125A		S1	A45
3295dØ	TC810B	8.0	8.8	5.0	10	15	10		.002	125A		S1	A45
3295eØ	TC810C	8.0	8.8	5.0	10	15	10		.001	125A		S1	A45
3296Ø#	TRR9 Ø	8.0	8.8	5.0	15	15	7.5	250	.0021	150		S1	
3296a#	OV8	8.0	9.0	7.0		10	5.0	120	.06	150		S1	
3296b#	Z8	8.0	9.0	7.0	5.0	20	5.0	300	.06	150		S1	
3296c#	ZL8	8.0	9.0	7.0	100	2.0	100	1500	.055	150		S1	
3296d	AA4 Ø	8.0	11	10Ø	.20			150		150A		S1	C1
3296e	AZ4	8.0	11	10Ø	.20			150		150A		S1	C1
3297	1/4M10Z	8.0	12	20Ø	6.3	11	6.3	250	.055	175J		S1	A22a
3297a	3/4M10Z	8.0	12	20Ø	25	7.0	25	750	.055	175C		S1	A31a
3297b	3/4Z10D	8.0	12	20Ø	25	7.0	25	750	.055	175J		S1Δ	A31a
3297c	1N961	8.0	12	20Ø	12.5	8.5	12.5	400	.055	175J		S1Δ	DO7
3297d	1N2808	8.0	12	20Ø	1200	.60	1200	50W	.055	175J		S1Δ	C5a
3297e	1N2974	8.0	12	20Ø	250	3.0	250	10W	.055	175J		S1	DO4Δ
3297f	1N3020	8.0	12	20Ø	25	7.0	25	1000	.055	175J		S1	A31a
3297g	1Z10D	8.0	12	20Ø	25	7.0	25	1000	.055	175J		S1Δ	A6b
3297h	1Z10T20	8.0	12	20	20			1000	.07	165A		S1	
3297j	1.5M10Z	8.0	12	20Ø	37	5.0	37	1.5W	.055	175C		S1	C14
3297k	1.5Z10D	8.0	12	20Ø	37	5.0	37	1500	.055	175J		S1Δ	C12
3297l	3Z10T20	8.0	12	20	70			3500	.07	165A		S1	
3297m	10Z10D	8.0	12	20Ø	250	3.0	250	10W	.055	175J		S1Δ	S4aΔ
3299	10Z10T20	8.0	12	20	200			10W	.07	165A		S1	
3299a	MZ10T20	8.0	12	20	15			750	.07	165A		S1	
3299bØ	VR10	8.0	12	20Ø	25	6.0*	25	1000	.06	125C		S1	A51
3299cØ	E141	8.07	8.92	5.0	10	15	10	400		175		S1	
3299d	1N2044B	8.08	8.93	5.0	1000	.80	1000	10W	.054	150		S1	
3300	PR512	8.08	8.93	5.0	1000	.80	1000	10W	.054			S1	S4b
3301	PR612	8.08	8.93	5.0	100	3.0	25	1000	.054			S1	A6
3302	SV129	8.08	8.93	5.0	10	15	10	250	.054	150		S1	

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	STATUS	DESCRIPTION	
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>z</sub> (ma)	Z (ohms)	@ I <sub>z</sub> (ma)					MAT.	DWG. No.
3303	SV1012	8.08	8.93	5.0	10	15	10	750	.054	150		S1	
3303a*	1N2790	8.1	8.9	5.0	10	15	10	1000	.002	200	R	S1	
3303bØ	1N3148	8.1	8.9	5.0	10	15	10	400	.005	200		S1	
3304	HZ8131	8.1	8.9	5.0	10	15	10	250				S1	
3305	1N757	8.19	10.01	10	20	10	20	400	.056	175A	N	S1	A1
3305a	1T9.1	8.19	10.01	10	50	30	1000					S1	A6a
3305b	TMD07	8.19	10.01	10Ø	5.0	15	5.0	100		150A		S1Δ	
3305cØ	1C9.1Z	8.2	10	10Ø	50	3.0	50	1000		175A		S1Δ	
3306	1N713	8.2	10	10Ø	12	7.0	12	250		175A		S1Δ	DO7
3307	1N1770	8.2	10	10Ø	50	3.0	50	1000		175A		S1Δ	A31
3307a	1N1808	8.2	10	10Ø	500	1.0	500	10W		175A		S1Δ	S11Δ
3308#	1S217	8.2	10	10Ø	20	12	20	400	.056	150A		S1*	
3308a	SS9.1Z	8.2	10	10Ø	35	5.0	35	750		175A		S1Δ	A21c
3308bØ	Z4X9.1B	8.2	10	10Ø	50	3.0	50	1000	.056	175J		S1	DO3
3308c	ZB9.1	8.2	10	10	17	4.5	17	750	.065	175A		S1	A33
3308d	ZG9.1	8.2	10	10	20	3.5	20	3500	.065	175C		S1	S4a
3308e	ZK9.1	8.2	10	10	220	9.0	220	10W	.065	175C		S1	S19
3308f	ZT9.1	8.2	10	10	20	3.5	20	1000	.065	175A		S1	A34
3308h	1N764A	8.3	9.3	5.0	10	15	10	250	.055	150		S1Δ	
3309	3N39	8.3	9.8	10					.005	71A		S1	Ø
3310	3N40	8.3	9.8	10					.003	71A		S1	Ø
3311	3N41	8.3	9.8	10					.002	71A		S1	Ø
3312	3N42	8.3	9.8	10					.005	100A		S1	Ø
3313	3N43	8.3	9.8	10					.003	100A		S1	Ø
3314	3N44	8.3	9.8	10					.002	100A		S1	Ø
3314aØ	BBMRA10 Δ	8.3	9.8	5.0	5.0				.005	71A		S1§	M20
3314bØ	BBMRA11 Δ	8.3	9.8	5.0	5.0				.003	71A		S1§	M20
3314cØ	BBMRA12 Δ	8.3	9.8	5.0	5.0				.002	71A		S1§	M20
3314dØ	BBMRA13 Δ	8.3	9.8	5.0	5.0				.005	100A		S1§	M20
3314eØ	BBMRA14 Δ	8.3	9.8	5.0	5.0				.003	100A		S1§	M20
3314fØ	BBMRA15 Δ	8.3	9.8	5.0	5.0				.002	100A		S1§	M20
3315	CD3125	8.32	9.18	5.0	10	15	10	250	.062	150A		S1	A23
3316#	OA126/9	8.4	9.6	7.5	3.0	3.0	10	250		175		S1	
3316a#	VR9A	8.4	9.6	7.5	20	1.6	20	5WΔ		200J		S1	S30
3317#	VR9B	8.4	9.6	7.5	20	1.6	20	2000		250J		S1	A34c
3317a#	15Z4	8.4	11.4	15	10	20	10		.08			S1	
3317b#	55Z4	8.4	11.4	15	100	15	100		.09			S1	
3317c#	75Z4	8.4	11.6	15	500	2.9	500		.07			S1	
3318	654C9	8.5	9.5	10	5.0			150		150A		S1	C3
3318a	HZ8132	8.5	9.5	5.0	10	15	10	250				S1	
3318bØ	MRA2 Δ	8.5	9.5	5.0	5.0			300	.005	100A		S1§	TO39
3318cØ	MRA2A Δ	8.5	9.5	5.0	5.0			300	.002	100A		S1§	TO39
3318d#	SZ9	8.5	9.5	±.5V	10	20	10	150		150		S1	
3318e#	SZL9	8.5	9.5	5.0	100	2.5	100	800		150J		S1	
3319Ø	2N1697 Δ	8.5	9.8	5.0	5.0			300	.02	100A		S1§	TO39
3319aØ	XMRA2 Δ	8.5	9.8	5.0	5.0			300	.05	100A		S1§	TO39
3319b	1N935	8.55	9.45	5.0	7.5	20	7.5	500	.01	75		S1Δ	DO7
3319c	1N935A	8.55	9.45	5.0	7.5	20	7.5	500	.01	100		S1Δ	DO7
3319d	1N935B	8.55	9.45	5.0	7.5	20	7.5	500	.01	150		S1Δ	DO7
3319e	1N936	8.55	9.45	5.0	7.5	20	7.5	500	.005	75		S1Δ	DO7
3319f	1N936A	8.55	9.45	5.0	7.5	20	7.5	500	.005	100		S1Δ	DO7
3319g	1N936B	8.55	9.45	5.0	7.5	20	7.5	500	.005	150		S1Δ	DO7
3319h	1N937	8.55	9.45	5.0	7.5	20	7.5	500	.002	75		S1Δ	DO7
3319j	1N937A	8.55	9.45	5.0	7.5	20	7.5	500	.002	100		S1Δ	DO7
3319k	1N937B	8.55	9.45	5.0	7.5	20	7.5	500	.002	150		S1Δ	DO7
3319l	1N938	8.55	9.45	5.0	7.5	20	7.5	500	.001	75		S1Δ	DO7
3319m	1N938A	8.55	9.45	5.0	7.5	20	7.5	500	.001	100		S1Δ	DO7
3319n	1N938B	8.55	9.45	5.0	7.5	20	7.5	500	.001	150		S1Δ	DO7
3319o	1N939	8.55	9.45	5.0	7.5	20	7.5	500	.0005	75		S1Δ	DO7
3319p	1N939A	8.55	9.45	5.0	7.5	20	7.5	500	.0005	100		S1Δ	DO7
3319q	1N939B	8.55	9.45	5.0	7.5	20	7.5	500	.0005	150		S1Δ	DO7
3319r	1N2044C	8.55	9.45	5.0	1000	.80	1000	10W	.057	150		S1	
3319sØ	E85	8.55	9.45	5.0	10	15	10	400		175		S1	

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (±%)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3319t <del>0</del>	HR9.0	8.55	9.45	5.0	5.0	20	10	500		175A		S1	D07
3320	PR513	8.55	9.45	5.0	1000	.80	1000	10W	.057			S1	S4b
3321	PR613	8.55	9.45	5.0	100	3.0	25	1000	.057			S1	A6
3322	SV131	8.55	9.45	5.0	10	15	10	250	.057	150		S1	
3323	SV1013	8.55	9.45	5.0	10	15	10	750	.057	150		S1	
3323b	1Z9.1T5	8.6	9.6	5.0	25			1000	.06	165A		S1	
3323c	3Z9.1T5	8.6	9.6	5.0	80			3500	.06	165A		S1	
3323d	10Z9.1T5	8.6	9.6	5.0	250			10W	.0	165A		S1	
3323e	GLZ9.1BCA	8.6	9.6	5.0	6.9	10	6.9	250	.051			S1Δ	D07
3323f <del>0</del> #	MR91H	8.6	9.6	5.0	5.0	8.0	5.0	210		150		S1	A38a
3323g	MZ9.1BCA	8.6	9.6	5.0	275	2.0	275	10W	.051	175J		S1Δ	D04Δ
3324a	MZ9.1T5	8.6	9.6	5.0	18			750	.06	165A		S1	
3324b#	OAZ207	8.6	9.6		1.0	4.0	5.0	250		150J		S1	C10b
3325#	Z2A91F	8.6	9.6	5.0	20	23	20	1000	.06	100		S1	
3325a*#	KS41A	8.64	9.55	5.0	5.0	8.0	5.0	150	.06	150A		S1*	
3325b	CD3143	8.64	9.56	5.0		6.0	10	250	.056	200S		S1	
3326 <del>0</del>	QZ9.1T5	8.64	9.56	5.0	20	10*	20	250		150	D	S1	A21c
3326a	1N757A	8.65	9.56	5.0	20	10	20	400	.056	175A		S1	A46
3326b	ZB9.1A	8.65	9.56	5.0	17	4.5	17	750	.065	175A		S1	A33
3326c	ZG9.1A	8.65	9.56	5.0	20	3.5	20	3500	.065	175C		S1	S4a
3326d	ZK9.1A	8.65	9.56	5.0	220	9.0	220	10W	.065	175C		S1	S19
3326e	ZT9.1A	8.65	9.56	5.0	20	3.5	20	1000	.065	175A		S1	A34
3326f <del>0</del>	1N2973B	8.75	9.55	5.0	275	2.0*	275	10W		175J	A	S1	D04Δ
3326g#	109Z4	8.8	9.8	5.0	10	65	10		.08			S1	
3326h#	209Z4	8.8	9.8	5.0	100	7.0	100		.10			S1	
3326i	309Z4	8.8	9.8	5.0	500	2.6	500		.08			S1	
3326j#	ZL10	8.8	11	10	100	4.0	50	1500	.06	150		S1	
3326k	1/4M11Z	8.8	13.2	20 <del>0</del>	5.7	13	5.7	250	.060	175		S1	A22a
3326m	3/4M11Z	8.8	13.2	20 <del>0</del>	23	8.0	23	750	.06	175C		S1	A31a
3326n	3/4Z11D	8.8	13.2	20 <del>0</del>	23	8.0	23	750	.060	175J		S1Δ	A31a
3326o	1N962	8.8	13.2	20 <del>0</del>	11.5	9.5	11.5	400	.060	175J		S1Δ	D07
3326p	1N2809	8.8	13.2	20 <del>0</del>	1100	.80	1100	50W	.06	175J		S1Δ	C5a
3326q	1N2975	8.8	13.2	20 <del>0</del>	230	3.0	230	10W	.060	175J		S1	D04Δ
3326r	1N3021	8.8	13.2	20 <del>0</del>	23	8.0	23	1000	.06	175J		S1	A31a
3326s	1Z11D	8.8	13.2	20 <del>0</del>	23	8.0	23	1000	.060	175J		S1Δ	A6b
3326t	1.5M11Z	8.8	13.2	20 <del>0</del>	34	6.0	34	1.5W	.06	175C		S1	C14
3326u	1.5Z11D	8.8	13.2	20 <del>0</del>	34	6.0	34	1500	.060	175J		S1Δ	C12
3326v	10Z11D	8.8	13.2	20 <del>0</del>	230	3.0	230	10W	.060	175J		S1Δ	S4aΔ
3328a	1N2620	8.9	9.7	4.3	10	15	10	750	.01	75		S1	A31a
3328b	1N2620A	8.9	9.7	4.3	10	15	10	750	.01	100		S1	A31a
3328c	1N2620B	8.9	9.7	4.3	10	15	10	750	.01	150		S1	A31a
3328d	1N2621	8.9	9.7	4.3	10	15	10	750	.005	75		S1	A31a
3328e	1N2621A	8.9	9.7	4.3	10	15	10	750	.005	100		S1	A31a
3328f	1N2621B	8.9	9.7	4.3	10	15	10	750	.005	150		S1	A31a
3328g	1N2622	8.9	9.7	4.3	10	15	10	750	.002	75		S1	A31a
3328h	1N2622A	8.9	9.7	4.3	10	15	10	750	.002	100		S1	A31a
3328i	1N2622B	8.9	9.7	4.3	10	15	10	750	.002	150		S1	A31a
3328j	1N2623	8.9	9.7	4.3	10	15	10	750	.001	75		S1	A31a
3328k	1N2623A	8.9	9.7	4.3	10	15	10	750	.001	100		S1	A31a
3328l	1N2623B	8.9	9.7	4.3	10	15	10	750	.001	150		S1	A31a
3328m	1N2624	8.9	9.7	4.3	10	15	10	750	.0005	75		S1	A31a
3328n	1N2624A	8.9	9.7	4.3	10	15	10	750	.0005	100		S1	A31a
3328o	1N2624B	8.9	9.7	4.3	10	15	10	750	.0005	150		S1	A31a
3328p#	1S56	8.9	10.1	5.0	10	11	10	300	.05	150J			
3328q <del>0</del>	1N960A	8.99	10.01	10 <del>0</del>	14	700	.50	500	.051	175A		S1Δ	D07
3328r <del>0</del>	1N2973A	8.99	10.01	10 <del>0</del>	275	2.0	275	10W	.051	175J		S1	D04Δ
3328s <del>0</del>	1N3019A	8.99	10.01	10 <del>0</del>	28	5.0	28	1000	.051	175J		S1	A31a
3329	1N2163	9.0	9.8	4.5	10	15	10	1000	.005*	70		S1Δ	
3330	1N2164	9.0	9.8	4.5	10	15	10	1000	.005*	125		S1Δ	
3331	1N2165	9.0	9.8	4.5	10	15	10	1000	.005*	185		S1Δ	
3332	1N2166	9.0	9.8	4.5	10	15	10	1000	.001*	70		S1Δ	
3333	1N2167	9.0	9.8	4.5	10	15	10	1000	.001*	125		S1Δ	
3334	1N2168	9.0	9.8	4.5	10	15	10	1000	.001*	185		S1Δ	

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)



LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.

LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3335	1N2169	9.0	9.8	4.5	10	15	10	1000	.0005*	70		S1Δ	
3336	1N2170	9.0	9.8	4.5	10	15	10	1000	.0005*	125		S1Δ	
3337	1N2171	9.0	9.8	4.5	10	15	10	1000	.0005*	185		S1Δ	
3337a	HZ8133	9.0	10	5.0	10	15	10	250				S1	
3337bØ	1C10Z	9.0	11	10Ø	50	3.5	50	1000		175A		S1Δ	
3337c	1EZ10T10	9.0	11	10Ø	20	1.5	20	1000	.07	130A		S1	A35a
3338	1N714	9.0	11	10Ø	12	8.0	12	250		175A		S1Δ	DO7
3339	1N758	9.0	11	10	20	17	20	400	.060	175A	N	S1	A1
3339aØ	1N961A	9.0	11	10Ø	12.5	700	.25	500	.055	175A		S1Δ	DO7
3340	1N1351	9.0	11	10Ø	500	2.0	500	10W		175A		S1Δ	S11
3341	1N1771	9.0	11	10Ø	50	3.5	50	1000		175A		S1Δ	A31
3341a	1N2498	9.0	11	10	500	2.0	500	10W	.06	150		S1Δ	S19aΔ
3341b	1N2498C	9.0	11	10	500	2.0	500	10W	.06	150		S1Δ	
3341cØ	1N2808A	9.0	11	10Ø	1200	.60	1200	50W	.055	175J		S1Δ	C5a
3341dØ	1N2974A	9.0	11	10Ø	250	3.0	250	10W	.055	175J		S1	DO4Δ
3341eØ	1N3020A	9.0	11	10Ø	25	7.0	25	1000	.055	175J		S1	A31a
3341f	1T10	9.0	11	10	50	3.5	1000					S1	A6a
3341gØ	1TZ10T10	9.0	11	10Ø	25			1000	.056	200A		S1	A9
3341hØ	2TZ10T10	9.0	11	10Ø	25			2000	.056	200A		S1	S36
3341jØ	2Z10T10	9.0	11	10Ø	2.0	40	2.0	2000		200A		S1	S36
3341k	10EZ10T10	9.0	11	10Ø	200	.55	200	10W	.07	130A		S1	S22
3341l	AV4	9.0	11	10Ø	50	5.0	50	1000		150A		S1	A19
3341m	AV104	9.0	11	10Ø	500	2.0	500	10W		150A		S1	S11
3341n	AV304	9.0	11	10Ø	150	4.0	150	3000		150A		S1	S10Δ
3341pØ	EEZ10T10-1	9.0	11	10Ø	2.0	40	2.0	750		200A		S1	A10
3341qØ	EEZ56T10-2	9.0	11	10Ø	10	15	10	400		200A		S1	A11
3341rØ	ETZ10T10-1	9.0	11	10Ø	25			750	.056	200A		S1	A10
3341sØ	ETZ10T10-2	9.0	11	10Ø	10	15	10	400		200A		S1	A11
3341t#	KS42B	9.0	11	10	5.0	15	5.0	150	.06	150A		S1*	C1a
3341u	MEZ10T10	9.0	11	10Ø	10	2.5	10	500	.07	130A		S1	A35
3342#	OV10	9.0	11	10		12	5.0	120	.065	150		S1	
3342a	PR410	9.0	11	10	1200	.80	1200	10W	.06			S1	S21c
3342bØ	QZ10T10	9.0	11	10Ø	20	11*	20	250		150	D	S1	A21c
3342cØ	SEZ10T10	9.0	11	10Ø	1.0	80	1.0	500		200A		S1	P5
3342d*	SS10Z	9.0	11	10Ø	35	5.5	35	750		175A		S1Δ	A21c
3342eØ	STZ10T10	9.0	11	10Ø	10	15	10	500		200A		S1	P5
3342fØ#	SZ10C	9.0	11	10	20	20	20	1500	.06	160A		S1	A26
3342g	TMD08	9.0	11	10Ø	5.0	15	5.0	100		150A		S1Δ	
3342hØ	Z4X10B	9.0	11	10Ø	50	3.5	50	1000	.062	175J		S1	DO3
3342j#	Z10	9.0	11	10	5.0	20	5.0	300	.065	150		S1	
3343	1N226 Ø	9.0	12	10	.20			150		150A		S1*	C1
3344	1N765	9.0	12	10	5.0	50	5.0	250	.065	150		S1	A46
3345	1N1314	9.0	12	10Ø	.20			150		150A		S1*	C1
3346	1N2036	9.0	12	10	5.0	50	5.0	750	.065	150		S1	
3347	1N2045	9.0	12	10	500	1.5	500	10W	.065	150		S1	
3347a	HZ8152	9.0	12	10	5.0	50	10	250				S1	DO4
3348	PR710	9.0	12	10	800	1.5	500	10W	.06			S1	S4b
3349	PR810	9.0	12	10	80	4.5	20	1000	.06			S1	A6
3350	PS6314	9.0	12	10	.20			500		200A		S1	A46
3350a#	RD11A	9.0	12	10	5.0	25	5.0	200	.07	150A		S1*	A3
3350bØ#	RD11B	9.0	12	15	20	15	20	1W	.07	150A		S1	A34a
3350cØ#	RD11C	9.0	12	15	80	10	80	3W	.07	150A		S1	S42
3350dØ#	TR11	9.0	12	20	5.0	20	5.0	250	.076	150		S1	
3350eØ	E140	9.02	9.97	5.0	10	15	10	400		175		S1	
3350f	1N2044D	9.04	9.98	5.0	1000	.80	1000	10W	.058	150		S1	
3351	PR514	9.04	9.98	5.0	1000	.80	1000	10W	.058			S1	S4b
3352	PR614	9.04	9.98	5.0	100	3.0	25	1000	.058			S1	A6
3353	SV132	9.04	9.98	5.0	10	15	10	250	.057	150		S1	
3354	SV1014	9.04	9.98	5.0	10	15	10	750	.058	150		S1	
3356	1N1512	9.1	11	10	75	6.0	15	750	.07	165A		S1	
3357	1N1523	9.1	11	10	100	4.5	20	1000	.07	165A		S1	
3358	1N1593	9.1	11	10	350	2.5	70	3500	.07	165B		S1	
3359	1N1604	9.1	11	10	1000	1.25	200	10W	.07	165B		S1	DO4

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3360	1N1876	9.1	11	10	25	1.3	50	1000	.058	200S		S1Δ	
3361	1N1892	9.1	11	10	25	1.3	50	10W	.058	200S		S1Δ	
3362	1N1932	9.1	11	10	5.0	22	10	250	.065	150A		S1Ø	
3364	1N1986	9.1	11	10	5.0	22	10	150	.065	150		S1Ø	
3364a#	1S218	9.1	11	10Ø	20	15	20	400	.060	150A		S1*	
3365	3R10	9.1	11	10	60	12	60	3500	.07	150C		S1	
3365aØ#	DZ10A	9.1	11	10	20	13	20	500	.055			S1	
3366	LPZT10 Ø	9.1	11	10	25	3.0	25	1000	.056	185		S1Δ	
3366a#	PZ10A	9.1	11	10Ø	200	1.2	200	10W	.07	125B		S1	
3367	PZT10 Ø	9.1	11	10	25	3.0	25	10WZ	.056	185		S1Δ	
3368	R10	9.1	11	10	20	12	20	1000	.07	150		S1	
3368aØ#	RZ10A	9.1	11	10	390	1.3	390	20W	.055			S1	
3369	ZB10	9.1	11	10	15	5.0	15	750	.07	175A		S1	A33
3370	ZG10	9.1	11	10	20	4.5	20	3500	.07	175C		S1	S4a
3371	ZK10	9.1	11	10	200	1.25	200	10W	.07	175C		S1	S19
3372	ZT10	9.1	11	10	20	4.5	20	1000	.07	175A		S1	A34
3373	ZZ10 Ø	9.1	11	10	60	20	12	600	.05	125A		S1	
3374	1N2163A	9.2	9.6	2.0	10	15	10	1000	.005*	70		S1Δ	
3375	1N2164A	9.2	9.6	2.0	10	15	10	1000	.005*	125		S1Δ	
3376	1N2165A	9.2	9.6	2.0	10	15	10	1000	.005*	185		S1Δ	
3377	1N2166A	9.2	9.6	2.0	10	15	10	1000	.001*	70		S1Δ	
3378	1N2167A	9.2	9.6	2.0	10	15	10	1000	.001*	125		S1Δ	
3379	1N2168A	9.2	9.6	2.0	10	15	10	1000	.001*	185		S1Δ	
3380	1N2169A	9.2	9.6	2.0	10	15	10	1000	.0005*	70		S1Δ	
3381	1N2170A	9.2	9.6	2.0	10	15	10	1000	.0005*	125		S1Δ	
3382	1N2171A	9.2	9.6	2.0	10	15	10	1000	.0005*	185		S1Δ	
3383Ø#	MR100H	9.4	10.6	5.0	5.0	11	5.0	210		150		S1	A38a
3384#	OA126/10	9.4	10.6	6.0	3.0	4.0	10	250		175		S1	
3384a#	VR10A	9.4	10.6	6.0	20	2.5	20	5WZ		200J		S1	S30
3385#	VR10B	9.4	10.6	6.0	20	2.5	20	2000		250J		S1	A34c
3385a#	OAZ213	9.4	15	20	1.0	12	5.0	250		150J		S1	C10b
3386*	1N701	9.5	10.5	5.0	10	9.0	10	400	.055	200	A	S1	
3386b	1N758A	9.5	10.5	5.0	20	17	20	400	.060	175A		S1	A46
3387	1N1351A	9.5	10.5	5.0	500	2.0	500	10W	.06	175A		S1Δ	DO4
3387a	1N1512A	9.5	10.5	5.0	15			750	.07	165A		S1	
3387b	1N1523A	9.5	10.5	5.0	20			1000	.07	165A		S1	
3387c	1N1593A	9.5	10.5	5.0	70			3500	.07	165A		S1	DO4
3387d	1N1604A	9.5	10.5	5.0	200			10W	.07	165A		S1	DO4
3387e*	1N1743	9.5	10.5	5.0	200	3.0	200	10W	.055	175	A	S1	
3387f*	1N1744	9.5	10.5	5.0	20	6.0	20	1000	.055	200	A	S1	
3387g	1N2045A	9.5	10.5	5.0	500	1.5	500	10W	.06	150		S1	
3387h	1N2498A	9.5	10.5	5.0	500	2.0	500	10W	.06	150		S1Δ	DO4Δ
3387jØ	1N2974B	9.5	10.5	5.0	250	3.0*	250	10W		175J	A	S1	DO4Δ
3387kØ	2N1695 Δ	9.5	10.5	5.0	5.0			300	.005	100A		S1§	TO39
3387lØ	2N1696 Δ	9.5	10.5	5.0	5.0			300	.002	100A		S1§	TO39
3388	655C9	9.5	10.5	10	5.0			150		150A		S1	C3
3388a	CD3144	9.5	10.5	5.0		7.0	10	250	.060	200S		S1	
3388bØ	E84	9.5	10.5	5.0	5.0	50	5.0	400		175		S1	
3388c	GLZ10BCA	9.5	10.5	5.0	6.3	11	6.3	250	.055			S1Δ	DO7
3388d	HZ8135	9.5	10.5	5.0	5.0	50	10	250				S1	
3388e#	KS42A	9.5	10.5	5.0	5.0	15	5.0	150	.06	150A		S1*	C1a
3388f	MZ10BFA	9.5	10.5	5.0	250	3.0	250	10W	.055	175J		S1Δ	DO4Δ
3389	PR515	9.5	10.5	5.0	800	1.5	500	10W	.06			S1	S4b
3390	PR615	9.5	10.5	5.0	80	4.5	20	1000	.06			S1	A6
3391	SV133	9.5	10.5	5.0	5.0	50	5.0	250	.06	150		S1	
3392	SV1015	9.5	10.5	5.0	5.0	50	5.0	750	.06	150		S1	
3394#	SZ10	9.5	10.5	±.5V	10	20	10	150		150		S1	
3394a#	SZL10	9.5	10.5	5.0	100	3.0	100	800		150J		S1	
3395#	Z2A100F	9.5	10.5	5.0	20	27	20	1000	.065	100		S1	
3396	ZB10A	9.5	10.5	5.0	15	5.0	15	750	.07	175A		S1	A33
3397	ZG10A	9.5	10.5	5.0	20	4.5	20	3500	.07	175C		S1	S4a
3398	ZK10A	9.5	10.5	5.0	200	1.25	200	10W	.07	175C		S1	S19
3398a	ZT10A	9.5	10.5	5.0	20	4.5	20	1000	.07	175A		S1	A34

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SEE FOLD-OUT BACK COVER for EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3398bØ	2N1698 Δ	9.5	11	5.0	5.0			300	.02	100A		S1§	TO39
3399Ø	XMRA3 Δ	9.5	11	5.0	5.0			300	.05	100A		S1§	TO39
3399a	1/4M12Z	9.6	14.4	20Ø	5.2	15	5.2	250	.065	175J		S1	A22a
3399b	3/4M12Z	9.6	14.4	20Ø	21	9.0	21	750	.065	175C		S1	A31a
3399c	3/4Z12D	9.6	14.4	20Ø	21	9.0	21	750	.065	175J		S1Δ	A31a
3399d	1N963	9.6	14.4	20Ø	10.5	11.5	10.5	400	.065	175J		S1Δ	DO7
3399e	1N2810	9.6	14.4	20Ø	1000	1.0	1000	50W	.065	175J		S1Δ	C5a
3399f	1N2976	9.6	14.4	20Ø	210	3.0	210	10W	.065	175J		S1	DO4Δ
3399g	1N3022	9.6	14.4	20Ø	21	9.0	21	1000	.065	175J		S1	A31a
3399h	1Z12D	9.6	14.4	20Ø	21	9.0	21	1000	.065	175J		S1Δ	A6b
3399j	1.5M12Z	9.6	14.4	20Ø	31	7.0	31	1.5W	.065	175C		S1	C14
3399k	1.5Z12D	9.6	14.4	20Ø	31	7.0	31	1500	.065	175J		S1Δ	C12
3399lØ	3Z12T20	9.6	14.4	20Ø	2.0	110	2.0	1000		200A		S1	A9
3400Ø	4Z12T20	9.6	14.4	20Ø	2.0	110	2.0	2000		200A		S1	S36
3401	10Z12D	9.6	14.4	20Ø	210	3.0	210	10W	.065	175J		S1Δ	S4aΔ
3401aØ	ECZ12T20-1	9.6	14.4	20Ø	2.0	110	2.0	750		200A		S1	A10
3401bØ	ECZ12T20-2	9.6	14.4	20Ø	1.0	110	1.0	400		200A		S1	A11
3401cØ	SCZ12T20	9.6	14.4	20Ø	1.0	110	1.0	500		200A		S1	P5
3401dØ	VR12	9.6	14.4	20Ø	12	8.0*	12	1000	.065	125C		S1	A51
3401eØ	AV2010	9.8	10.2	2.0	50	5.0	50	1000		150A		S1	A19
3401fØ	AV4010	9.8	10.2	2.0	50	5.0	50	3000		150A		S1	S10
3401gØ	AV8010	9.8	10.2	2.0	50	5.0	50	10W		150A		S1	S11
3402	SV4010	9.8	10.2	2.0	1.0	90	10	500	.02	150A		S1	
3402a#	110Z4	9.8	10.8	5.0	10	60	10		.08			S1	
3402b#	210Z4	9.8	10.8	5.0	100	7.0	100		.10			S1	
3402c#	310Z4	9.8	10.8	5.0	500	2.9	500		.08			S1	
3403	SV4010A	9.9	10.1	1.0	1.0	90	10	500	.02	150A		S1	
3403aØ	Z4X11B	9.9	12	10Ø	50	4.2	50	1000	.067	175J		S1	DO3
3403bØ	1C11Z	9.9	12.1	10Ø	50	4.2	50	1000		175A		S1Δ	
3404	1N715	9.9	12.1	10Ø	12	9.0	12	250		175A		S1Δ	DO7
3404aØ	1N962A	9.9	12.1	10Ø	11.5	700	.25	500	.060	175A		S1Δ	DO7
3405	1N1352	9.9	12.1	10Ø	500	2.0	500	10W		175A		S1Δ	S11
3406	1N1772	9.9	12.1	10Ø	50	4.2	50	1000		175A		S1Δ	A31
3406a	1N2499	9.9	12.1	10	500	2.0	500	10W	.06	150		S1Δ	S19aΔ
3406b	1N2499C	9.9	12.1	10	500	2.0	500	10W	.06	150		S1Δ	
3406cØ	1N2809A	9.9	12.1	10Ø	1100	.80	1100	50W	.060	175J		S1Δ	C5a
3406dØ	1N2975A	9.9	12.1	10Ø	230	3.0	230	10W	.060	175J		S1	DO4Δ
3406eØ	1N3021A	9.9	12.1	10Ø	23	8.0	23	1000	.060	175J		S1	A31a
3406f	PR411	9.9	12.1	10	1100	.90	1100	10W	.06			S1	S21c
3406g*	SS11Z	9.9	12.1	10Ø	35	6.0	35	750		175A		S1Δ	A21c
3406hØ	TMD09	9.9	12.1	10Ø	5.0	20	5.0	100		150A		S1	
3406i	ZB11	9.9	12.1	10	14	6.0	14	750	.07	175A		S1	A33
3406j	ZG11	9.9	12.1	10	20	5.0	20	3500	.07	175C		S1	S4a
3406k	ZK11	9.9	12.1	10	180	1.7	180	10W	.07	175C		S1	S19
3406l	ZT11	9.9	12.1	10	20	5.0	20	1000	.07	175A		S1	A34
3406m	1N765A	10	11	5.0	5.0	50	5.0	250	.065	150		S1Δ	
3406n	CD3126	10	11	5.0	5.0	50	5.0	250	.075	150A		S1	A23
3406p	1T11	10	12	10	50	4.2	1000					S1	A6a
3406q#	16Z4	10.3	13.7	15	10	30	10		.08			S1	
3406r#	56Z4	10.3	13.7	15	100	20	100		.11			S1	
3406s#	76Z4	10.3	13.7	15	500	3.8	500		.08			S1	
3407#	Z2A110F	10.4	11.5	5.0	20	32	20	1000	.07	100		S1	
3407a	1N1352A	10.4	11.6	5.0	500	2.0	500	10W	.06	175A		S1Δ	DO4
3407c	1Z11T5	10.4	11.6	5.0	20			1000	.07	165A		S1	
3407d	3Z11T5	10.4	11.6	5.0	70			3500	.07	165A		S1	
3407e	10Z11T5	10.4	11.6	5.0	200			10W	.07	165A		S1	
3407f	GLZ11BDA	10.4	11.6	5.0	5.7	13	5.7	250	.060			S1Δ	DO7
3407g	HZ8136	10.4	11.6	5.0	5.0	50	10	250				S1	
3407h	MZ11BFA	10.4	11.6	5.0	230	3.0	230	10W	.06	175J		S1Δ	DO4Δ
3407j	MZ11T5	10.4	11.6	5.0	15			750	.07	165A		S1	
3408#	OAI26/11	10.4	11.6	5.0	3.0	5.0	10	250		175		S1	
3408a#	VR11A	10.4	11.6	5.0	20	4.0	20	5WZ		200J		S1	S30
3408b#	VR11B	10.4	11.6	5.0	20	4.0	20	2000		250J		S1	A34c

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	STATUS	DESCRIPTION	
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)					MAT.	DWG. No.
3408c	1/4M13Z	10.4	15.6	20%	4.8	18	4.8	250	.065			S1	A22a
3408d	3/4M13Z	10.4	15.6	20%	19	10	19	750	.065	175C		S1	A31a
3408e	3/4Z13D	10.4	15.6	20%	19	10	19	750	.065	175J		S1Δ	A31a
3408f	1N964	10.4	15.6	20%	9.5	13	9.5	400	.065	175J		S1Δ	DO7
3408g	1N2811	10.4	15.6	20%	960	1.1	960	50W	.065	175J		S1Δ	C5a
3408h	1N2977	10.4	15.6	20%	190	3.0	190	10W	.065	175J		S1	DO4Δ
3408j	1N3023	10.4	15.6	20%	19	10	19	1000	.065	175J		S1	A31a
3408k	1Z13D	10.4	15.6	20%	19	10	19	1000	.065	175J		S1Δ	A6b
3408l	1.5M13Z	10.4	15.6	20%	29	8.0	29	1.5W	.065	175C		S1	C14
3409	1.5Z13D	10.4	15.6	20%	29	8.0	29	1500	.065	175J		S1Δ	C12
3409a	10Z13D	10.4	15.6	20%	190	3.0	190	10W	.065	175J		S1Δ	S4aΔ
3410a	1N2045B	10.45	11.55	5.0	500	1.5	500	10W	.063	150		S1	
3410b	1N2499A	10.45	11.55	5.0	500	2.0	500	10W	.06	150		S1Δ	DO4Δ
3410c	1N2975B	10.45	11.55	5.0	230	3.0*	230	10W		175J	A	S1	DO4Δ
3410d	CD3145	10.45	11.55	5.0		8.0	10	250	.065	200S		S1	
3410e	E261	10.45	11.55	5.0	5.0	50	5.0	400		175		S1	
3410f	HR11	10.45	11.55	5.0	5.0	30	10	500		175A		S1	DO7
3410g	KS43A	10.45	11.55	5.0	5.0	20	5.0	150	.07	150A		S1*	C1a
3411	PR516	10.45	11.55	5.0	800	1.5	500	10W	.063			S1	S4b
3412	PR616	10.45	11.55	5.0	80	4.5	20	1000	.063			S1	A6
3412a	QZ11T5	10.45	11.55	5.0	5.0	13*	5.0	250		150	D	S1	A21c
3413	SV134	10.45	11.55	5.0	5.0	50	5.0	250	.063	150		S1	
3414	SV1016	10.45	11.55	5.0	5.0	50	5.0	750	.063	150		S1	
3415	ZB11A	10.45	11.55	5.0	14	6.0	14	750	.07	175A		S1	A33
3415a	ZG11A	10.45	11.55	5.0	20	5.0	20	3500	.07	175C		S1	S4a
3415b	ZK11A	10.45	11.55	5.0	180	1.7	180	10W	.07	175C		S1	S19
3415c	ZT11A	10.45	11.55	5.0	20	5.0	20	1000	.07	175A		S1	A34
3415d	MRA4 Δ	10.5	11.5	5.0	5.0			300	.005	100A		S1§	TO39
3415e	MRA4A Δ	10.5	11.5	5.0	5.0			300	.002	100A		S1§	TO39
3416#	SZ11	10.5	11.5	±.5V	5.0	30	5.0	150		150		S1	
3416a	XMRA4 Δ	10.5	12	5.0	5.0			300	.05	100A		S1§	TO39
3416b	XMRA4A Δ	10.5	12	5.0	5.0			300	.02	100A		S1§	TO39
3416c	AV2011	10.78	11.22	2.0	50	5.0	50	1000		150A		S1	A19
3416d	AV4011	10.78	11.22	2.0	50	5.0	50	3000		150A		S1	S10
3416e	AV8011	10.78	11.22	2.0	50	5.0	50	10W		150A		S1	S11
3416f	111Z4	10.8	12	5.0	10	52	10		.08			S1	
3416g	211Z4	10.8	12	5.0	100	10	100		.10			S1	
3416h	311Z4	10.8	12	5.0	500	3.3	500		.09			S1	
3416j	1C12Z	10.8	13.2	10%	50	5.0	50	1000		175A		S1Δ	
3416k	1EZ12T10	10.8	13.2	10%	15	2.4	15	1000	.075	130A		S1	A35a
3418	1N716	10.8	13.2	10%	12	10	12	250		175A		S1Δ	DO7
3419	1N759	10.8	13.2	10%	20	30	20	400	.060	175A	N	S1	A1
3419a	1N963A	10.8	13.2	10%	10.5	700	.25	500	.065	175A		S1Δ	DO7
3420	1N1353	10.8	13.2	10%	500	2.0	500	10W		175A	A	S1Δ	S11
3423	1N1773	10.8	13.2	10%	50	5.0	50	1000		175A		S1Δ	A31
3423a	1N2500	10.8	13.2	10%	500	2.0	500	10W	.06	150		S1Δ	S19aΔ
3423b	1N2500C	10.8	13.2	10%	500	2.0	500	10W	.06	150		S1Δ	
3423c	1N2810A	10.8	13.2	10%	1000	1.0	1000	50W	.065	175J		S1Δ	C5a
3423d	1N2976A	10.8	13.2	10%	210	3.0	210	10W	.065	175J		S1	DO4Δ
3423e	1N3022A	10.8	13.2	10%	21	9.0	21	1000	.065	175J		S1	A31a
3423f	1T12	10.8	13.2	10%	50	5.0	1000					S1	A6a
3423g	2Z12T10	10.8	13.2	10%	2.0	55	2.0	2000		200A		S1	S36
3423h	10EZ12T10	10.8	13.2	10%	170	.95	170	10W	.075	130A		S1	S22
3423j	EEZ12T10-1	10.8	13.2	10%	2.0	55	2.0	750		200A		S1	A10
3423k	KS44B	10.8	13.2	10%	5.0	25	5.0	150	.07	150A		S1*	C1a
3423l	MEZ12T10	10.8	13.2	10%	8.0	3.2	8.0	500	.075	130A		S1	A35
3423m	PR412	10.8	13.2	10%	1000	1.0	1000	10W	.06			S1	S21c
3423n	QZ12T10	10.8	13.2	10%	5.0	15*	5.0	250		150	D	S1	A21c
3423p	SEZ12T10	10.8	13.2	10%	1.0	110	1.0	500		200A		S1	P5
3423q	SS12Z	10.8	13.2	10%	35	7.0	35	750		175A		S1Δ	A21c
3423r	TMD10	10.8	13.2	10%	5.0	20	5.0	100		150A		S1	
3423s	Z4X12B	10.8	13.2	10%	50	5.0	50	1000	.071	175J		S1	DO3
3423t	SZ12C	10.8	13.4	10%	20	30	20	1500	.07	160A		S1	A26

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3423u#	Z12	10.8	13.6	10	5.0	30	5.0	300		150		S1	
3424	1N1513	11	13	10	60	10	12	750	.07	165A		S1	
3425	1N1524	11	13	10	80	7.5	15	1000	.075	165A		S1	
3426	1N1594	11	13	10	275	4.0	50	3500	.075	165B		S1	
3427	1N1605	11	13	10	850	2.0	170	10W	.075	165B		S1	DO4
3428	1N1877	11	13	10	25	1.8	50	1000	.059	200S		S1Δ	
3429	1N1893	11	13	10	25	1.8	50	10W	.059	200S		S1Δ	
3430	1N1933	11	13	10	1.0	30	5.0	250	.08	150A		S1Ø	
3432	1N1987	11	13	10	1.0	30	5.0	150	.08	150		S1Ø	
3433	3R12	11	13	10	30	25	30	3500	.075	150C		S1	
3433a	AA5 Ø	11	13	10Ø	.20			150		150A		S1	C1
3433b	AV5	11	13	10Ø	50	6.0	50	1000		150A		S1	A19
3433c	AV105	11	13	10Ø	500	2.0	500	10W		150A		S1	S11
3433d	AV305	11	13	10Ø	150	4.0	150	3000		150A		S1	S10Δ
3433e	AZ5	11	13	10Ø	.20			150		150A		S1	C1
3433fØ#	DZ12A	11	13	10	16	18	16	500	.065			S1	
3434	LPZT12 Ø	11	13	10	25	4.0	25	1000	.058	185		S1Δ	
3435#	PZ12A	11	13	10Ø	160	2.0	160	10W	.075	125B		S1	
3435a	PZT12 Ø	11	13	10	25	4.0	25	10W	.056	185		S1Δ	
3436	R12	11	13	10	10	25	10	1000	.075	150		S1	
3436aØ#	RZ12A	11	13	10	330	1.8	330	20W	.065			S1	
3437	ZB12	11	13	10	12	7.0	12	750	.075	175A		S1	A33
3438	ZG12	11	13	10	15	5.5	15	3500	.075	175C		S1	S4a
3439	ZK12	11	13	10	170	1.8	170	10W	.075	175C		S1	S19
3440	ZT12	11	13	10	15	5.5	15	1000	.075	175A		S1	A34
3441	ZZ12 Ø	11	13	10	50			600	.06	125A		S1	
3441aØ	1TZ12T10	11	13.2	10	25			1000	.058	200A		S1	A9
3441bØ	2TZ12T10	11	13.2	10	25			2000	.058	200A		S1	S36
3441cØ	EEZ68T10-2	11	13.2	10	10	15	10	400		200A		S1	A11
3441dØ	ETZ12T10-1	11	13.2	10	25			750	.058	200A		S1	A10
3441eØ	ETZ12T10-2	11	13.2	10	10	15	10	400		200A		S1	A11
3441fØ	STZ12T10	11	13.2	10	10	15	10	500		200A		S1	P5
3441g#	ZL12	11	13.5	10	50	7.0	50	1500	.06	150		S1	
3441h#	RD13A	11	14	10	5.0	35	5.0	200	.075	150A		S1*	A23
3442	1N227 Ø	11	14.5	10	.20			150		150A		S1*	C1
3443	1N766	11	14.5	10	5.0	70	5.0	250	.07	150		S1	A46
3444	1N1315	11	14.5	10Ø	.20			150		150A		S1*	C1
3445	1N2037	11	14.5	10	5.0	70	5.0	750	.07	150		S1	
3446	1N2046	11	14.5	10	500	2.0	500	10W	.07	150		S1	DO4
3446a	HZ8153	11	14.5	10	5.0	70	10	250				S1	
3447	PR712	11	14.5	10	700	2.0	500	10W	.069			S1	S4b
3447a	PR812	11	14.5	10	70	7.5	15	1000	.069			S1	A6
3447b	PS6315	11	14.5	10	.20			500		200A		S1	A46
3447cØ#	RD13B	11	14.5	15	20	25	20	1W	.075	150A		S1	A34a
3448Ø#	RD13C	11	14.5	15	80	20	80	3W	.075	150A		S1	S42
3448aØ#	TR13	11	14.5	20	5.0	30	5.0	250	.079	150		S1	
3448b	1N941	11.12	12.28	5.0	7.5	30	7.5	500	.01	75		S1Δ	DO7
3448c	1N941A	11.12	12.28	5.0	7.5	30	7.5	500	.01	100		S1Δ	DO7
3448d	1N941B	11.12	12.28	5.0	7.5	30	7.5	500	.01	150		S1Δ	DO7
3448e	1N942	11.12	12.28	5.0	7.5	30	7.5	500	.005	75		S1Δ	DO7
3448f	1N942A	11.12	12.28	5.0	7.5	30	7.5	500	.005	100		S1Δ	DO7
3448g	1N942B	11.12	12.28	5.0	7.5	30	7.5	500	.005	150		S1Δ	DO7
3448h	1N943	11.12	12.28	5.0	7.5	30	7.5	500	.002	75		S1Δ	DO7
3448j	1N943A	11.12	12.28	5.0	7.5	30	7.5	500	.002	100		S1Δ	DO7
3448k	1N943B	11.12	12.28	5.0	7.5	30	7.5	500	.002	150		S1Δ	DO7
3448l	1N944	11.12	12.28	5.0	7.5	30	7.5	500	.001	75		S1Δ	DO7
3448m	1N944A	11.12	12.28	5.0	7.5	30	7.5	500	.001	100		S1Δ	DO7
3448n	1N944B	11.12	12.28	5.0	7.5	30	7.5	500	.001	150		S1Δ	DO7
3448p	1N945	11.12	12.28	5.0	7.5	30	7.5	500	.0005	75		S1Δ	DO7
3448q	1N945A	11.12	12.28	5.0	7.5	30	7.5	500	.0005	100		S1Δ	DO7
3448r	1N945B	11.12	12.28	5.0	7.5	30	7.5	500	.0005	150		S1Δ	DO7
3448sØ	3/4T5A11.7	11.2	12.2	4.3	7.5	25	7.5	750	.0005*	75		S1Δ	A31a
3448tØ	3/4T5B11.7	11.2	12.2	4.3	7.5	25	7.5	750	.0005*	100		S1Δ	A31a

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	STATUS	DESCRIPTION	
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)					MAT.	DWG. No.
3448u	3/4T5C11.7	11.2	12.2	4.3	7.5	25	7.5	750	.0005*	150		S1Δ	A31a
3448v	3/4T10A11.7	11.2	12.2	4.3	7.5	25	7.5	750	.001*	75		S1Δ	A31a
3448w	3/4T10B11.7	11.2	12.2	4.3	7.5	25	7.5	750	.001*	100		S1Δ	A31a
3448x	3/4T10C11.7	11.2	12.2	4.3	7.5	25	7.5	750	.001*	150		S1Δ	A31a
3448y	3/4T20A11.7	11.2	12.2	4.3	7.5	25	7.5	750	.002*	75		S1Δ	A31a
3448z	3/4T20B11.7	11.2	12.2	4.3	7.5	25	7.5	750	.002*	100		S1Δ	A31a
3449	3/4T20C11.7	11.2	12.2	4.3	7.5	25	7.5	750	.002*	150		S1Δ	A31a
3449a	3/4T50A11.7	11.2	12.2	4.3	7.5	25	7.5	750	.005*	75		S1Δ	A31a
3449b	3/4T50B11.7	11.2	12.2	4.3	7.5	25	7.5	750	.005*	100		S1Δ	A31a
3449c	3/4T50C11.7	11.2	12.2	4.3	7.5	25	7.5	750	.005*	150		S1Δ	A31a
3449d	3/4T100A11.7	11.2	12.2	4.3	7.5	25	7.5	750	.01*	75		S1Δ	A31a
3449e	3/4T100B11.7	11.2	12.2	4.3	7.5	25	7.5	750	.01*	100		S1Δ	A31a
3449f	3/4T100C11.7	11.2	12.2	4.3	7.5	25	7.5	750	.01*	150		S1Δ	A31a
3449g	1/4M14Z	11.2	16.8	20%	4.5	20	4.5	250	.070	175J		S1	A22a
3449h	3/4M14Z	11.2	16.8	20%	18	12	18	750	.07	175C		S1	A31a
3449j	3/4Z14D	11.2	16.8	20%	18	12	18	750	.070	175J		S1Δ	A31a
3449k	1M14Z	11.2	16.8	20%	18	12	18	1000	.07	175C		S1	DO1
3449l	1N2812	11.2	16.8	20%	890	1.2	890	50W	.07	175J		S1Δ	C5a
3449m	1Z14D	11.2	16.8	20%	18	12	18	1000	.070	175J		S1Δ	A6b
3449n	1.5M14Z	11.2	16.8	20%	26	9.0	26	1.5W	.07	175C		S1	C14
3449p	1.5Z14D	11.2	16.8	20%	26	9.0	26	1500	.070	175J		S1Δ	C12
3450	10M14Z	11.2	16.8	20%	180	3.0	180	10W	.07	175J		S1	DO4
3451	10Z14D	11.2	16.8	20%	180	3.0	180	10W	.070	175J		S1Δ	S4aΔ
3451a	VR14	11.2	16.8	20%	12	10*	12	1000	.07	125C		S1	A51
3452#	Z2A120F	11.4	12.5	5.0	20	36	20	1000	.073	100		S1	
3452a*	1N665	11.4	12.6	5.0	10	10	10	400	.06	200	A	S1	
3452b	1N759A	11.4	12.6	5.0	20	30	20	400	.060	175A		S1	A46
3452c	1N1353A	11.4	12.6	5.0	500	2.0	500	10W	.06	175A		S1Δ	DO4
3452d*	1N1417	11.4	12.6	5.0	200	3.5	200	10W	.06	175	A	S1	
3453*	1N1426	11.4	12.6	5.0	20	7.0	20	1000	.06	200	A	S1	
3453a	1N1513A	11.4	12.6	5.0	12			750	.075	165A		S1	
3453b	1N1524A	11.4	12.6	5.0	15			1000	.075	165A		S1	
3453c	1N1594A	11.4	12.6	5.0	50			3500	.075	165A		S1	DO4
3453d	1N1605A	11.4	12.6	5.0	170			10W	.075	165A		S1	DO4
3453e	1N2046A	11.4	12.6	5.0	500	2.0	500	10W	.066	150		S1	
3453f	1N2500A	11.4	12.6	5.0	500	2.0	500	10W	.06	150		S1Δ	DO4Δ
3453g	CD3146	11.4	12.6	5.0		10	10	250	.070	200S		S1	
3453h	CD4116	11.4	12.6	5.0	10	15	10	250	.002	200S		S1	
3453j	CD4117	11.4	12.6	5.0	10	15	10	250	.005	200S		S1	
3453k	CD4118	11.4	12.6	5.0	10	15	10	250	.010	200S		S1	
3453l	E262	11.4	12.6	5.0	5.0	70	5.0	400		175		S1	
3453m	GLZ12BCA	11.4	12.6	5.0	5.2	15	5.2	250	.065			S1Δ	DO7
3453n	HZ8137	11.4	12.6	5.0	5.0	70	10	250				S1	
3453o#	KS44A	11.4	12.6	5.0	5.0	25	5.0	150	.07	150A		S1*	C1a
3453p	MZ12BFA	11.4	12.6	5.0	210	3.0	210	10W	.065	175J		S1Δ	DO4Δ
3454#	OA126/12	11.4	12.6	5.0	3.0	7.0	10	250		175		S1	
3455	PR517	11.4	12.6	5.0	700	2.0	500	10W	.066			S1	S4b
3456	PR617	11.4	12.6	5.0	70	7.5	15	1000	.066			S1	A6
3457	SV135	11.4	12.6	5.0	5.0	50	5.0	250	.066	150		S1	
3458	SV1017	11.4	12.6	5.0	5.0	70	.	5	.066	150		S1	
3459#	VR12A	11.4	12.6	5.0	20	7.0	20	5W		200J		S1	S30
3459a#	VR12B	11.4	12.6	5.0	20	7.0	20	2000		250J		S1	A34c
3460	ZB12A	11.4	12.6	5.0	12	7.0	12	750	.075	175A		S1	A33
3461	ZG12A	11.4	12.6	5.0	15	5.5	15	3500	.075	175C		S1	S4a
3462	ZK12A	11.4	12.6	5.0	170	1.8	170	10W	.075	175C		S1	S19
3463	ZT12A	11.4	12.6	5.0	15	5.5	15	1000	.075	175A		S1	A34
3463a	MRA5 Δ	11.5	12.5	5.0	5.0			300	.005	100A		S1§	TO39
3463b	MRA5A Δ	11.5	12.5	5.0	5.0			300	.002	100A		S1§	TO39
3464#	SZ12	11.5	12.5	±.5V	5.0	30	5.0	150		150		S1	
3464a	1N2976B	11.6	12.6	5.0	210	3.0*	210	10W		175J	A	S1	DO4Δ
3464b	1C13Z	11.7	14.3	10%	50	5.8	50	1000		175A		S1Δ	
3465	1N717	11.7	14.3	10%	12	11	12	250		175A		S1Δ	DO7
3465a	1N964A	11.7	14.3	10%	9.5	700	.25	500	.065	175A		S1Δ	DO7

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>z</sub> (ma)	Z (ohms)	@ I <sub>z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3466	1N1354	11.7	14.3	10	500	2.0	500	10W		175A		S1Δ	S11
3467	1N1774	11.7	14.3	10	50	5.8	50	1000		175A		S1Δ	A31
3468	1N1816 ∅	11.7	14.3	10	500	2.0	500	10W	.07	150A	N	S1Δ	S19aΔ
3469	1N1816C ∅	11.7	14.3	10	500	2.0	500	10W	.07	150A		S1Δ	
3469a∅	1N2811A	11.7	14.3	10	960	1.1	960	50W	.065	175J		S1Δ	C5a
3469b∅	1N2977A	11.7	14.3	10	190	3.0	190	10W	.065	175J		S1	DO4Δ
3469c∅	1N3023A	11.7	14.3	10	19	10	19	1000	.065	175J		S1	A31a
3469d	1T13	11.7	14.3	10	50	5.8		1000				S1	A6a
3470	PR413	11.7	14.3	10	960	1.1	960	10W	.07			S1	S21c
3470a*	SS13Z	11.7	14.3	10	35	8.0	35	750		175A		S1Δ	A21c
3470b∅	TMD12	11.7	14.3	10	5.0	25	5.0	100		150A		S1	
3470c∅	Z4X13B	11.7	14.3	10	50	5.8	50	1000	.074	175J		S1	DO3
3470d	ZB13	11.7	14.3	10	11	8.0	11	750	.075	175A		S1	A33
3470e	ZG13	11.7	14.3	10	15	6.0	15	3.5W	.075	175C		S1	S4a
3470f	ZK13	11.7	14.3	10	155	2.0	155	10W	.075	175C		S1	S19
3470g	ZT13	11.7	14.3	10	15	6.0	15	1000	.075	175A		S1	A34
3470h∅	AV2012	11.76	12.24	2.0	50	6.0	50	1000		150A		S1	A19
3470j∅	AV4012	11.76	12.24	2.0	50	6.0	50	300		150A		S1	S10
3470k∅	AV8012	11.76	12.24	2.0	50	6.0	50	10W		150A		S1	S11
3471	SV4012	11.76	12.24	2.0	1.0	30	10	500	.03	150A		S1	
3472	1N1736	11.8	13	5.0	7.5	40	7.5	400	.01	150A		S1*	A28
3473	1N1736A	11.8	13	5.0	7.5	40	7.5	400	.005	150A		S1*	A28
3474	SV4012A	11.88	12.12	1.0	1.0	30	10	500	.03	150A		S1	
3474a#	112Z4	12	13.2	5.0	10	48	10		.08			S1	
3474b#	212Z4	12	13.2	5.0	100	15	100		.10			S1	
3474c#	312Z4	12	13.2	5.0	500	3.8	500		.09			S1	
3475	R15	12	16	10	10	50	10	1000	.08	150		S1	
3475a	1/4M15Z	12	18	20	4.2	22	4.2	250	.070	175J		S1	A22a
3475b	3/4M15Z	12	18	20	17	14	17	750	.07	175C		S1	A31a
3475c	3/4Z15D	12	18	20	17	14	17	750	.070	175J		S1Δ	A31a
3475d	1N965	12	18	20	8.5	16	8.5	400	.070	175J		S1Δ	DO7
3475e	1N2813	12	18	20	830	1.4	830	50W	.07	175J		S1Δ	C5a
3475f	1N2979	12	18	20	170	3.0	170	10W	.070	175J		S1	DO4Δ
3475g	1N3024	12	18	20	17	14	17	1000	.07	175J		S1	A31a
3476	1Z15D	12	18	20	17	14	17	1000	.070	175J		S1Δ	A6b
3476a	1Z15T20	12	18	20	13			1000	.08	165A		S1	
3476b	1.5M15Z	12	18	20	25	10	25	1.5W	.07	175C		S1	C14
3476c	1.5Z15D	12	18	20	25	10	25	1500	.070	175J		S1Δ	C12
3476d	3Z15T20	12	18	20	40			3500	.08	165A		S1Δ	S4aΔ
3476e	10Z15D	12	18	20	170	3.0	170	10W	.070	175J		S1	
3477	10Z15T20	12	18	20	140			10W	.08	165A		S1	
3477a	MZ15T20	12	18	20	10			750	.08	165A		S1	
3477b	CD3127	12.1	13.4	5.0	5.0	70	5.0	250	.081	150A		S1	A23
3477c	1N766A	12.2	13.4	5.0	5.0	70	5.0	250	.07	150		S1Δ	
3477d#	77Z4	12.2	15.8	10	500	6.0	500		.09			S1	
3477e#	17Z4	12.2	16	10	10	70	10		.08			S1	
3477f#	57Z4	12.2	16	10	100	40	100		.15			S1	
3477g	1N1354A	12.3	13.7	5.0	500	2.0	500	10W	.07	175A		S1Δ	DO4
3477h	1Z13T5	12.3	13.7	5.0	15			1000	.075	165A		S1	
3477i	3Z13T5	12.3	13.7	5.0	50			3500	.075	165A		S1	
3477j	10Z13T5	12.3	13.7	5.0	170			10W	.075	165A		S1	
3477k	GLZ13BDA	12.3	13.7	5.0	4.8	18	4.8	250	.065			S1Δ	DO7
3477l	MZ13BDA	12.3	13.7	5.0	190	3.0	190	10W	.065	175J		S1Δ	DO4Δ
3477m	MZ13T5	12.3	13.7	5.0	12			750	.075	165A		S1	
3477n	HZ8138	12.3	18.7	5.0	5.0	70	10	250				S1	
3477p	1N2046B	12.35	13.65	5.0	500	2.0	500	10W	.069	150		S1	
3477q∅	1N2977B	12.35	13.65	5.0	190	3.0*	190	10W		175J	A	S1	DO4Δ
3477r	CD3147	12.35	13.65	5.0		12	5.0	250	.075	200S		S1	
3478	PR518	12.35	13.65	5.0	700	2.0	500	10W	.069			S1	S4b
3479	PR618	12.35	13.65	5.0	70	7.5	15	1000	.069			S1	A6
3479a∅	QZ13T5	12.35	13.65	5.0	5.0	18*	5.0	250		150	D	S1	A21c
3480	SV136	12.35	13.65	5.0	5.0	50	5.0	250	.069	150		S1	
3481	SV1018	12.35	13.65	5.0	5.0	70	5.0	750	.069	150		S1	



### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3481a	ZB13A	12.35	13.65	5.0	11	8.0	11	750	.075	175A		S1	A33
3481b	ZG13A	12.35	13.65	5.0	15	6.0	15	3500	.075	175C		S1	S4a
3481c	ZK13A	12.35	13.65	5.0	155	2.0	155	10W	.075	175C		S1	S19
3481d	ZT13A	12.35	13.65	5.0	15	6.0	15	1000	.075	175A		S1	A34
3483#	Z2A130F	12.4	14	5.0	20	43	20	1000	.078	100		S1	
3484#	OA126/14	12.4	16.1	10	3.0	11	10	250		175		S1	
3484a#	SZ13	12.5	13.5	±.5V	5.0	60	5.0	150		150		S1	
3485	1T15	12.5	16.5	10	50	7.6		1000				S1	A6a
3486	1N1816A ∅	12.6	13.7	5.0	500	2.0	500	10W	.07	150A		S1	Δ
3486a∅	1N2812A	12.6	15.4	10∅	890	1.2	890	50W	.065	175J		S1Δ	C5a
3486b	PR414	12.6	15.4	10	890	1.2	890	10W	.07			S1	Δ
3486c∅	QZ14T10	12.6	15.4	10∅	5.0	20*	5.0	250		150	D	S1	A21c
3486d∅	TMD13	12.6	15.4	10∅	5.0	35	5.0	100		150A		S1	
3486e∅	Z4X14B	12.6	15.4	10∅	50	6.6	50	1000	.077	175J		S1	DO3
3487∅	AV2013	12.74	13.26	2.0	50	6.0	50	1000		150A		S1	A19
3487a∅	AV4013	12.74	13.26	2.0	50	6.0	50	3000		150A		S1	S10
3487b∅	AV8013	12.74	13.26	2.0	50	6.0	50	10W		150A		S1	S11
3487c	1/4M16Z	12.8	19.2	20∅	3.9	24	3.9	250	.070	175J		S1	A22a
3487d	3/4M16Z	12.8	19.2	20∅	15.5	16	15.5	750	.07	175C		S1	A31a
3487e	3/4Z16D	12.8	19.2	20∅	15.5	16	15.5	750	.070	175J		S1Δ	A31a
3487f	1N966	12.8	19.2	20∅	7.8	17	7.8	400	.070	175J		S1Δ	DO7
3487g	1N2814	12.8	19.2	20∅	780	1.6	780	50W	.07	175J		S1Δ	C5a
3487h	1N2980	12.8	19.2	20∅	155	4.0	155	10W	.070	175J		S1	DO4Δ
3487i	1N3025	12.8	19.2	20∅	15.5	16	15.5	1000	.06	175J		S1	A31a
3487j	1Z16D	12.8	19.2	20∅	15.5	16	15.5	1000	.070	175J		S1Δ	A6b
3487k	1.5M16Z	12.8	19.2	20∅	24	11	24	1.5W	.07	175C		S1	C14
3488	1.5Z16D	12.8	19.2	20∅	23	11	23	1500	.070	175J		S1Δ	C12
3489	10Z16D	12.8	19.2	20∅	155	4.0	155	10W	.070	175J		S1Δ	S4aΔ
3489a	1N2766	12.92	14.28	5.0	7.5	40	7.5		.005	175		S1	A48C
3489b	1N2766A	12.92	14.28	5.0	7.5	40	7.5		.0025	175		S1	A48c
3490	1N1514	13	16	10	50	20	1.0	750	.08	165A		S1	
3491	1N1525	13	16	10	65	15	13	1000	.08	165A		S1	
3492	1N1595	13	16	10	225	7.5	40	3500	.08	165B		S1	
3493	1N1606	13	16	10	650	4.0	140	10W	.08	165B		S1	DO4
3494	1N1878	13	16	10	25	2.0	50	1000	.060	200S		S1Δ	
3495	1N1894	13	16	10	25	2.0	50	10W	.060	200S		S1Δ	
3496	1N1934	13	16	10	1.0	50	5.0	250	.088	150A		S1∅	
3498	1N1988	13	16	10	1.0	50	5.0	150	.088	150		S1∅	
3498a#	1S5015	13	16	10	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3498b#	1S5015C	13	16	10	50	5.0	50	8.0	.08	150C		S1Δ	
3499	3R15	13	16	10	30	50	30	3500	.08	150C		S1	
3499a	AA6 ∅	13	16	10∅	.20			150		150A		S1	C1
3499b	AV6	13	16	10∅	50	9.0	50	1000		150A		S1	A19
3499c	AV106	13	16	10∅	500	3.0	500	10W		150A		S1	S11
3499d	AV306	13	16	10∅	150	5.0	150	3000		150A		S1	S10Δ
3499e	AZ6	13	16	10∅	.20			150		150A		S1	C1
3499f∅#	DZ15A	13	16	10	13	24	13	500	.070			S1	
3500	LPZT15 ∅	13	16	10	25	5.0	25	1000	.058	185		S1Δ	
3500a#	PZ15A	13	16	10∅	130	4.0	130	10W	.08	125B		S1	
3501	PZT15 ∅	13	16	10	25	5.0	25	10W	.058	185		S1	
3501a∅#	RZ15A	13	16	10	270	2.4	270	20W	.070			S1	
3502	ZB15	13	16	10	10	10	10	750	.08	175A		S1	A33
3503	ZG15	13	16	10	13	7.5	13	3500	.08	175C		S1	S4a
3504	ZK15	13	16	10	140	2.8	140	10W	.08	175C		S1	S19
3505	ZT15	13	16	10	13	7.5	13	1000	.08	175A		S1	A34
3506	ZZ15 ∅	13	16	10	40	42	8.0	600	.07	125A		S1	
3506a#	113Z4	13.2	14.4	5.0	10	43	10		.08			S1	
3506b#	213Z4	13.2	14.4	5.0	100	20	100		.11			S1	
3506c#	313Z4	13.2	14.4	5.0	500	6.0	500		.09			S1	
3506d#	SZ15B	13.2	16.5	10	100	3.0	100	25W	.07	150A	T	S1Δ	S16Δ
3506e∅#	SZ15C	13.2	16.5	10	20	40	20	1500	.07	160A		S1	A26
3506f	1N2046C	13.3	14.7	5.0	500	2.0	500	10W	.072	150		S1	
3506g	GLZ14BBA	13.3	14.7	5.0	4.5	20	4.5	250	.070			S1Δ	DO7

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SEE FOLD-OUT BACK COVER for EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION			
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.	
3506h	HZ8139	13.3	14.7	5.0	5.0	70	10	250				S1		
3506j	MZ14BBA	13.3	14.7	5.0	180	3.0	180	10W	.07	175J		S1Δ		DO4Δ
3507	PR519	13.3	14.7	5.0	700	2.0	500	10W	.072			S1		S4b
3508	PR619	13.3	14.7	5.0	70	7.5	15	1000	.072			S1		A6
3509	SV137	13.3	14.7	5.0	5.0	50	5.0	250	.072	150		S1		
3510	SV101	13.3	14.7	5.0	5.0	70	5.0	750	.072	150		S1		
3511#	Z15	13.4	16.5	10	5.0	55	5.0	300		150		S1		
3512#	SZ14	13.5	14.5	±.5V	5.0	60	5.0	150		150		S1		
3512a∅	1C15Z	13.5	16.5	10∅	50	7.6	50	1000		175A		S1Δ		
3512b	1EZ15T10	13.5	16.5	10∅	13	5.4	13	1000	.08	130A		S1		A35a
3513	1N718	13.5	16.5	10∅	12	13	12	250		175A		S1Δ		DO7
3513a∅	1N965A	13.5	16.5	10∅	8.5	700	.25	500	.070	175A		S1Δ		DO7
3514	1N1355	13.5	16.5	10∅	500	2.0	500	10W		175A		S1Δ		S11
3517	1N1775	13.5	16.5	10∅	50	7.6	50	1000		175A		S1Δ		A31
3518	1N1817 ∅	13.5	16.5	10	500	2.0	500	10W	.07	150A	N	S1Δ		S19aΔ
3519	1N1817C ∅	13.5	16.5	10	500	2.0	500	10W	.07	150A		S1Δ		
3519a∅	1N2813A	13.5	16.5	10∅	830	1.4	830	50W	.070	175J		S1Δ		C5a
3519b∅	1N2979A	13.5	16.5	10∅	170	3.0	170	10W	.070	175J		S1		DO4Δ
3519c∅	1N3024A	13.5	16.5	10∅	17	14	17	1000	.070	175J		S1		A31a
3519d∅	1TZ15T10	13.5	16.5	10∅	25			1000	.059	200A		S1		A9
3519e∅	2TZ15T10	13.5	16.5	10∅	25			2000	.059	200A		S1		S36
3519f∅	2Z15T10	13.5	16.5	10∅	2.0	70	2.0	2000		200A		S1		S36
3519g	10EZ15T10	13.5	16.5	10∅	140	1.5	140	10W	.08	130A		S1		S22
3519h∅	EEZ15T10-1	13.5	16.5	10∅	2.0	70	2.0	750		200A		S1		A10
3519j∅	EEZ82T10-2	13.5	16.5	10∅	10	25	10	400		200A		S1		A11
3519k∅	ETZ15T10-1	13.5	16.5	10∅	25			750	.059	200A		S1		A10
3519l∅	ETZ15T10-2	13.5	16.5	10∅	10	25	10	400		200A		S1		A11
3519m∅#	KR50	13.5	16.5	10	50	5.0	50	8000	.09	135A		S1*		S39
3519n	MEZ15T10	13.5	16.5	10∅	7.0	6.0	7.0	500	.08	130A		S1		A35
3520	PR415	13.5	16.5	10	830	1.4	830	10W	.07			S1		S21c
3520a∅	SEZ15T10	13.5	16.5	10∅	1.0	140	1.0	500		200A		S1		P5
3520b	SS15Z	13.5	16.5	10∅	35	9.0	35	750		175A		S1Δ		A21c
3520b∅	STZ15T10	13.5	16.5	10∅	10	25	10	500		200A		S1		P5
3520c∅	TMD14	13.5	16.5	10∅	5.0	45	5.0	100		150A		S1		
3520d∅	Z4X15B	13.5	16.5	10∅	50	7.6	50	1000	.080	175J		S1		DO3
3520e#	ZL15	13.5	16.5	10	50	11	50	1500	.065	150		S1		
3521	1N228 ∅	13.5	18	10	.20			150		150A		S1*		C1
3522	1N767	13.5	18	10	5.0	120	5.0	250	.075	150		S1		A46
3523	1N1316	13.5	18	10∅	.20			150		150A		S1*		C1
3524	1N2038	13.5	18	10	5.0	120	5.0	750	.071	150		S1		
3525	1N2047	13.5	18	10	500	3.0	500	10W	.075	150		S1		DO4
3525a	HZ8154	13.5	18	10	5.0	120	10	250				S1		
3526	PR715	13.5	18	10	600	3.0	500	10W	.075			S1		S4b
3527	PR815	13.5	18	10	60	15	13	1000	.075			S1		A6
3527a	PS6316	13.5	18	10	.20			500		200A		S1		A46
3527b#	RD16A	13.5	18	10	5.0	55	5.0	200	.08	150A		S1*		A23
3527c∅#	RD16B	13.5	18	15	20	45	20	1W	.08	150A		S1		A34a
3528∅#	RD16C	13.5	18	15	80	40	80	3W	.08	150A		S1		S42
3528a∅#	TR16	13.5	18	20	5.0	50	5.0	250	.089	150		S1		
3528b	1/4M17Z	13.6	20.4	20∅	3.7	26	3.7	250	.075	175J		S1		A22a
3528c	3/4M17Z	13.6	20.4	20∅	14.5	18	14.5	750	.075	175C		S1		A31a
3528d	3/4Z17D	13.6	20.4	20∅	14.5	18	14.5	750	.075	175J		S1Δ		A31a
3528e	1M17Z	13.6	20.4	20∅	14.5	18	14.5	1000	.075	175C		S1		DO1
3528f	1Z17D	13.6	20.4	20∅	14.5	18	14.5	1000	.075	175J		S1Δ		A6b
3528g	1.5M17Z	13.6	20.4	20∅	23	12	23	1.5W	.075	175C		S1		C14
3528h	1.5Z17D	13.6	20.4	20∅	22	12	22	1500	.075	175J		S1Δ		C12
3528i	1OZ17D	13.6	20.4	20∅	145	4.0	145	10W	.075	175J		S1Δ		S4aΔ
3528j	1N2815	13.6	20.6	20∅	740	1.8	740	50W		175J		S1Δ		C5a
3529	10M17Z	13.6	20.6	20∅	145	4.0	145	10W	.07	175J		S1		DO4
3530∅	AV2014	13.72	14.28	2.0	50	9.0	50	1000		150A		S1		A19
3531∅	AV4014	13.72	14.28	2.0	50	9.0	50	3000		150A		S1		S10
3531a∅	AV8014	13.72	14.28	2.0	50	9.0	50	10W		150A		S1		S11
3531b#	Z2A150F	13.9	15.55	5.0	20	50	20	1000	.08	100		S1		

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)



LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.

LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3531c#	1S5015A	14	15.5	5.0	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3532#	78Z4	14	18	10	500	7.3	500		.09			S1	
3533*	1N666	14.2	15.8	5.0	5.0	24	5.0	400	.07	200	A	S1	
3534	1N1355A	14.2	15.8	5.0	500	2.0	500	10W	.07	175A		S1Δ	DO4
3536*	1N1418	14.2	15.8	5.0	100	4.0	100	10W	.07	175	A	S1	
3536a*	1N1427	14.2	15.8	5.0	10	17	10	1000	.07	200	A	S1	
3536b	1N1514A	14.2	15.8	5.0	10			750	.08	165A		S1	
3536c	1N1525A	14.2	15.8	5.0	13			1000	.08	165A		S1	
3536d	1N1595A	14.2	15.8	5.0	40			3500	.08	165A		S1	DO4
3536e	1N1606A	14.2	15.8	5.0	140			10W	.08	165A		S1	DO4
3536f	GLZ15BDA	14.2	15.8	5.0	4.2	22	4.2	250	.070			S1Δ	DO7
3536g	HZ8141	14.2	15.8	5.0	5.0	120	10	250				S1	
3536h	MZ15BFA	14.2	15.8	5.0	170	3.0	170	10W	.070	175J		S1Δ	DO4Δ
3537	PR520	14.24	15.75	5.0	600	3.0	500	10W	.075			S1	S4b
3538	PR620	14.24	15.75	5.0	60	15	13	1000	.075			S1	A6
3538a	1N2047A	14.25	15.75	5.0	500	3.0	500	10W	.075	150		S1	
3538b∅	1N2979B	14.25	15.75	5.0	170	3.0*	170	10W		175J	A	S1	DO4Δ
3538c	CD3148	14.25	15.75	5.0		14	5.0	250	.080	200S		S1	
3538d∅	QZ15T5	14.25	15.75	5.0	5.0	22*	5.0	250		150	D	S1	A21c
3539	SV138	14.25	15.75	5.0	5.0	120	5.0	250	.075	150		S1	
3540	SV1020	14.25	15.75	5.0	5.0	120	5.0	750	.075	150		S1	
3541	ZB15A	14.25	15.75	5.0	10	10	10	750	.08	175A		S1	A33
3541a	ZG15A	14.25	15.75	5.0	13	7.5	13	3500	.08	175C		S1	S4a
3541b	ZK15A	14.25	15.75	5.0	140	2.8	140	10W	.08	175C		S1	S19
3541c	ZT15A	14.25	15.75	5.0	13	7.5	13	1000	.08	175A		S1	A34
3542	1N1817A ∅	14.3	15.8	5.0	500	2.0	500	10W	.07	150A		S1Δ	DO4Δ
3543#	115Z4	14.4	15.6	5.0	10	40	10		.08			S1	
3543a#	215Z4	14.4	15.6	5.0	100	25	100		.11			S1	
3543b#	315Z4	14.4	15.6	5.0	500	6.6	500		.09			S1	
3543c∅	1C16Z	14.4	17.6	10∅	50	8.6	50	1000		175A		S1Δ	
3544	1N719	14.4	17.6	10∅	12	15	12	250		175A		S1Δ	DO7
3544a∅	1N966A	14.4	17.6	10∅	7.8	700	.25	500	.070	175A		S1Δ	DO7
3545	1N1356	14.4	17.6	10∅	500	3.0	500	10W		175A		S1Δ	S11
3546	1N1776	14.4	17.6	10∅	50	8.6	50	1000		175A		S1Δ	A31
3547	1N1818 ∅	14.4	17.6	10	500	3.0	500	10W	.07	150A	N	S1Δ	S19aΔ
3548	1N1818C ∅	14.4	17.6	10	500	3.0	500	10W	.07	150A		S1Δ	
3548a∅	1N2814A	14.4	17.6	10∅	780	1.6	780	50W	.070	175J		S1Δ	C5a
3548b∅	1N2980A	14.4	17.6	10∅	155	4.0	155	10W	.070	175J		S1	DO4Δ
3548c∅	1N3025A	14.4	17.6	10∅	15.5	16	15.5	1000	.070	175J		S1	A31a
3548d	1T16	14.4	17.6	10	50	8.6		1000				S1	A6a
3548e	PR416	14.4	17.6	10	780	1.6	780	10W	.07			S1	S21c
3548f∅	QZ16T10	14.4	17.6	10∅	5.0	24*	5.0	250		150	D	S1	A21c
3548g	SS16Z	14.4	17.6	10∅	35	11	35	750		175A		S1Δ	A21c
3548h∅	TMD15	14.4	17.6	10∅	5.0	55	5.0	100		150A		S1	
3548j∅	Z4X16B	14.4	17.6	10∅	50	8.6	50	1000	.082	175J		S1	DO3
3548k	ZB16	14.4	17.6	10	9.0	11	9.0	750	.08	175A		S1	A33
3548l	ZG16	14.4	17.6	10	13	8.5	13	3500	.08	175C		S1	S4a
3548m	ZK16	14.4	17.6	10	125	3.2	125	10W	.08	175C		S1	S19
3548n	ZT16	14.4	17.6	10	13	8.5	13	1000	.08	175A		S1	A34
3549	1/4M18Z	14.4	21.6	20∅	3.5	28	3.5	250	.075	175J		S1	A22a
3549a	3/4M18Z	14.4	21.6	20∅	14	20	14	750	.075	175C		S1	A31a
3549b	3/4Z18D	14.4	21.6	20∅	14	20	14	750	.075	175J		S1Δ	A31a
3549c	1N967	14.4	21.6	20∅	7.0	21	7.0	400	.075	175J		S1Δ	DO7
3549d	1N2816	14.4	21.6	20∅	700	2.0	700	50W	.075	175J		S1Δ	C5a
3549e	1N2982	14.4	21.6	20∅	140	4.0	140	10W	.075	175J		S1	DO4Δ
3549f	1N3026	14.4	21.6	20∅	14	20	14	1000	.075	175J		S1	A31a
3549g	1Z18D	14.4	21.6	20∅	14	20	14	1000	.075	175J		S1Δ	A6b
3549h	1.5M18Z	14.4	21.6	20∅	22	13	22	1.5W	.075	175C		S1	C14
3550	1.5Z18D	14.4	21.6	20∅	21	13	21	1500	.075	175J		S1Δ	C12
3550a∅	3Z18T20	14.4	21.6	20∅	2.0	190	2.0	1000		200A		S1	A9
3550b∅	4Z18T20	14.4	21.6	20∅	2.0	190	2.0	2000		200A		S1	S36
3551	10Z18D	14.4	21.6	20∅	140	4.0	140	10W	.075	175J		S1Δ	S4aΔ
3551a∅	ECZ18T20-1	14.4	21.6	20∅	2.0	190	2.0	750		200A		S1	A10

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3551b	ECZ18T20-2	14.4	21.6	20%	1.0	190	1.0	400		200A		S1	A11
3551c	SCZ18T20	14.4	21.6	20%	1.0	190	1.0	500		200A		S1	P5
3551d	VR18	14.4	21.6	20%	12	11*	12	1000	.08	125C		S1	A51
3552#	SZ15	14.5	15.5	±.5V	5.0	120	5.0	150		150		S1	
3552a	AV2015	14.7	15.3	2.0	50	9.0	50	1000		150A		S1	A19
3552b	AV4015	14.7	15.3	2.0	50	9.0	50	3000		150A		S1	S10
3552c	AV8015	14.7	15.3	2.0	50	9.0	50	10W		150A		S1	S11
3553	SV4015	14.7	15.30	2.0	1.0	20	10	500	.05	150A		S1	
3554	SV4015A	14.85	15.15	1.0	1.0	20	10	500	.05	150A		S1	
3554a	CD3128	15	16.5	5.0	5.0	120	5.0	250	.089	150A		S1	A23
3554b	1N767A	15	16.6	5.0	5.0	120	5.0	250	.075	150		S1Δ	
3554c#	1S5016	15	18	10	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3554d#	1S5016C	15	18	10	50	5.0	50	8.0	.08	150C		S1Δ	
3554e	1N1356A	15.1	16.9	5.0	500	3.0	500	10W	.07	175A		S1Δ	DO4
3554f	GLZ16BCA	15.1	16.9	5.0	3.9	24	3.9	250	.070			S1Δ	DO7
3554g	MZ16BDA	15.1	16.9	5.0	155	4.0	155	10W	.070	175J		S1Δ	DO4Δ
3555	1N1818A	15.2	16.8	5.0	500	3.0	500	10W	.07	150A		S1Δ	DO4Δ
3555a	1N2047B	15.2	16.8	5.0	500	3.0	500	10W	.076	150		S1	
3556	1N2980B	15.2	16.8	5.0	155	4.0*	155	10W		175J	A	S1	DO4Δ
3556a	1Z16T5	15.2	16.8	5.0	13			1000	.08	165A		S1	
3556b	3Z16T5	15.2	16.8	5.0	40			3500	.08	165A		S1	
3556c	10Z16T5	15.2	16.8	5.0	140			10W	.08	165A		S1	
3556d	CD3149	15.2	16.8	5.0		16	5.0	250	.085	200S		S1	
3556e	HZ8142	15.2	16.8	5.0	5.0	120	10	250				S1	
3556f	MZ16T5	15.2	16.8	5.0	10			750	.08	165A		S1	
3557	PR521	15.2	16.8	5.0	600	3.0	500	10W	.076			S1	S4b
3558	PR621	15.2	16.8	5.0	60	15	13	1000	.076			S1	A6
3559	SV139	15.2	16.8	5.0	5.0	120	5.0	250	.076	150		S1	
3560	SV1021	15.2	16.8	5.0	5.0	120	5.0	740	.076	150		S1	
3560a	ZB16A	15.2	16.8	5.0	9.0	11	9.0	750	.08	175A		S1	A33
3560b	ZG16A	15.2	16.8	5.0	13	8.5	13	3500	.08	175C		S1	S4a
3560c	ZK16A	15.2	16.8	5.0	125	3.2	125	10W	.08	175C		S1	S19
3560d	ZT16A	15.2	16.8	5.0	13	8.5	13	1000	.08	175A		S1	A34
3560e	1/4M19Z	15.2	22.8	20%	3.3	30	3.3	250	.075	175J		S1	A22a
3561	3/4M19Z	15.2	22.8	20%	13	21	13	750	.075	175C		S1	A31a
3561a	3/4Z19D	15.2	22.8	20%	13	21	13	750	.075	175J		S1Δ	A31a
3561b	1M19Z	15.2	22.8	20%	13	21	13	1000	.075	175C		S1	DO1
3561c	1N2817	15.2	22.8	20%	660	2.2	660	50W	.07	175J		S1Δ	C5a
3561d	1Z19D	15.2	22.8	20%	13	21	13	1000	.075	175J		S1Δ	A6b
3561e	1.5M19Z	15.2	22.8	20%	21	14	21	1.5W	.075	175C		S1	C14
3561f	1.5Z19D	15.2	22.8	20%	20	14	20	1500	.075	175J		S1Δ	C12
3561g	10M19Z	15.2	22.8	20%	130	4.0	130	10W	.07	175J		S1	DO4
3562a	10Z19D	15.2	22.8	20%	130	4.0	130	10W	.075	175J		S1Δ	S4a,
3562b	1N2815A	15.3	18.7	10%	740	1.8	740	50W	.070	175J		S1Δ	C5a
3563	PR417	15.3	18.7	10%	740	1.8	740	10W	.07			S1	S21c
3564#	SZ16	15.5	16.5	±.5V	5.0	120	5.0	150		150		S1	
3564a#	1S5016A	15.5	17	5.0	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3564b#	316Z4	15.6	16.8	5.0	500	7.3	500		.09			S1	
3564c	AV2016	15.68	16.32	2.0	50	9.0	50	1000		150A		S1	A19
3564d	AV4016	15.68	16.32	2.0	50	9.0	50	3000		150A		S1	S10
3564e	AV8016	15.68	16.32	2.0	50	9.0	50	10W		150A		S1	S11
3565#	OA126/18	15.9	20	10	3.0	25	10	250		175		S1	
3565a	4RV16	15.96	17.64	5.0				840	.002	125		S1	
3565b	4RV16A	15.96	17.64	5.0				840	.001	125		S1	
3565c	6RV16	15.96	17.64	5.0				840	.002	125		S1	
3565d	6RV16A	15.96	17.64	5.0				840	.001	125		S1	
3565e	PS1502	16	17.6	5.0	10	30	10	250	.002	150A		S1	A48b
3565f	PS1502A	16	17.6	5.0	10	30	10	250	.001	150A		S1	A48b
3566	SV3206	16	17.6	5.0	10	30	10		.002	125A		S1	
3567	SV3207	16	17.6	5.0	10	30	10		.001	125A		S1	
3567a	TC1510	16	17.6	5.0	10	30	10		.002	125A		S1	A45
3567b	TC1510A	16	17.6	5.0	10	30	10		.001	125A		S1	A45
3568	1N1515	16	20	10	40	40	8.0	750	.085	165A		S1	

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3569	1N1526	16	20	10	55	30	10	1000	.085	165A		S1	
3570	1N1596	16	20	10	200	15	35	3500	.085	165B		S1	
3571	1N1607	16	20	10	550	7.5	110	10W	.085	165E		S1	DO4
3572	1N1879	16	20	10	25	2.6	50	1000	.062	200S		S1Δ	
3573	1N1895	16	20	10	8.0	2.6	50	10W	.062	200S		S1Δ	
3574	1N1935	16	20	10	1.0	70	5.0	250	.092	150A		S1∅	
3576	1N1989	16	20	10	1.0	70	5.0	150	.092	150		S1∅	
3576a#	1S5018	16	20	10	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3576b#	1S5018C	16	20	10	50	5.0	50	8.0	.08	150C		S1Δ	
3577	3R18	16	20	10	30	70	30	3500	.085	150C		S1	
3577a#	79Z4	16	20	10	500	8.6	500		.09			S1	
3577b	AA7 ∅	16	20	10∅	.20			150		150A		S1	C1
3577c	AV7	16	20	10∅	50	14	50	1000		150A		S1	A19
3577d	AV107	16	20	10∅	500	3.0	500	10W		150A		S1	S11
3577e	AV307	16	20	10∅	150	8.0	150	3000		150A		S1	S10Δ
3577f	AZ7	16	20	10∅	.20			150		150A		S1	C1
3577g∅#	DZ18A	16	20	10	11	33	11	500	.075			S1	
3578	LPZT18 ∅	16	20	10	25	8.0	25	1000	.060	185		S1Δ	
3578a#	PZ18A	16	20	10∅	110	7.5	110	10W	.085	125E		S1	
3579	PZT18 ∅	16	20	10	25	8.0	25	10W	.058	185		S1Δ	
3580	R18	16	20	10	10	70	10	1000	.085	150		S1	
3580a∅#	RZ18A	16	20	10	220	3.3	220	20W	.075			S1	
3581	ZB18	16	20	10	8.0	13	8.0	750	.085	175A		S1Δ	
3582	ZG18	16	20	10	10	10	10	3500	.085	175A		S1Δ	
3583	ZK18	16	20	10	110	38	110	10W	.085	175C		S1Δ	
3584	ZT18	16	20	10	10	10	10	1000	.085	175A		S1Δ	
3585	ZZ18 ∅	16	20	10	30	75	6.0	600	.08	125A		S1	
3585a	1/4M20Z	16	24	20∅	3.1	33	3.1	250	.075	175J		S1	A22a
3585b	3/4M20Z	16	24	20∅	12.5	22	12.5	750	.075	175C		S1	A31a
3585c	3/4Z20D	16	24	20∅	12.5	22	12.5	750	.075	175J		S1Δ	A31a
3585d	1N968	16	24	20∅	6.2	25	6.2	400	.075	175J		S1Δ	DO7
3585e	1N2818	16	24	20∅	630	2.4	630	50W	.075	175J		S1Δ	C5a
3585f	1N2984	16	24	20∅	125	4.0	125	10W	.075	175J		S1	DO4Δ
3586	1N3027	16	24	20∅	12.5	22	12.5	100	.075	175J		S1	A31a
3586a	1Z20D	16	24	20∅	12.5	22	12.5	1000	.075	175J		S1Δ	A6b
3586b	1.5M20Z	16	24	20∅	19	15	19	1.5W	.075	175C		S1	C14
3586c	1.5Z20D	16	24	20∅	19	15	19	1500	.075	175J		S1Δ	C12
3586d	10Z20D	16	24	20∅	125	4.0	125	10W	.075	175J		S1Δ	A4aΔ
3586e∅	VR20	16	24	20∅	12	17*	12	1000	.085	125C		S1	A51
3586f	GLZ17BBA	16.1	17.9	5.0	3.7	26	3.7	250	.075			S1Δ	DO7
3587	HZ8143	16.1	17.9	5.0	5.0	120	10	250				S1	
3587a	MZ17BBA	16.1	17.9	5.0	145	4.0	145	10W	.075	175J		S1Δ	DO4Δ
3587b∅	QZ17T5	16.15	15.85	5.0	5.0	26*	5.0	250		150	D	S1	A21c
3587c	1N2047C	16.15	17.85	5.0	500	3.0	500	10W	.077	150		S1	
3588	SV141	16.15	17.85	5.0	5.0	120	5.0	250	.077	150		S1	
3589	SV1022	16.15	17.85	5.0	5.0	120	5.0	750	.077	150		S1	
3589a∅	1C18Z	16.2	19.8	10∅	50	11	50	1000		175A		S1Δ	
3590	1EZ18T10	16.2	19.8	10∅	10	11	10	1000	.085	130A		S1	A35a
3592	1N720	16.2	19.8	10∅	12	17	12	250		175A		S1Δ	DO7
3592a∅	1N967A	16.2	19.8	10∅	7.0	750	.25	500	.075	175A		S1Δ	DO7
3593	1N1357	16.2	19.8	10∅	150	3.0	150	10W		175A		S1Δ	S11
3596	1N1777	16.2	19.8	10∅	50	11	50	1000		175A	A	S1Δ	A31
3597	1N1819 ∅	16.2	19.8	10	500	3.0	500	10W	.07	150A	N	S1Δ	S19aΔ
3598	1N1819C ∅	16.2	19.8	10	500	3.0	500	10W	.07	150A		S1Δ	
3598a∅	1N2816A	16.2	19.8	10∅	700	2.0	700	50W	.075	175J		S1Δ	C5a
3598b∅	1N2982A	16.2	19.8	10∅	140	4.0	140	10W	.075	175J		S1	DO4Δ
3598c∅	1N3026A	16.2	19.8	10∅	14	20	14	1000	.075	175J		S1	A31a
3599	1T18	16.2	19.8	10	50	11		1000				S1	A6a
3599a∅	1TZ18T10	16.2	19.8	10∅	25			1000	.061	200A		S1	A9
3599b∅	2TZ18T10	16.2	19.8	10∅	25			2000	.061	200A		S1	S36
3599c∅	2Z18T10	16.2	19.8	10∅	2.0	95	2.0	2000		200A		S1	S36
3599d	10EZ18T10	16.2	19.8	10∅	110	2.0	110	10W	.085	130A		S1	S22
3599e∅	EEZ18T10-1	16.2	19.8	10∅	2.0	95	2.0	750		200A		S1	A10

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>z</sub> (ma)	Z (ohms)	@ I <sub>z</sub> (ma)				STATUS	MAT.	DWG. No.
3599f	EEZ100T10-2	16.2	19.8	10%	10	35	10	400	.061	200A		S1	A11
3599g	ETZ18T10-1	16.2	19.8	10%	25			750		200A		S1	A10
3599h	ETZ18T10-2	16.2	19.8	10%	10	35	10	400		200A		S1	A11
3599j	KR51	16.2	19.8	10	50	5.0	50	8000	.09	135A		S1*	S39
3599k	MEZ18T10	16.2	19.8	10%	6.0	18	6.0	500	.085	130A		S1	A35
3599m	PR418	16.2	19.8	10	700	2.0	700	10W	.07			S1	
3599n	QZ18T10	16.2	19.8	10%	5.0	28*	5.0	250		150	D	S1	A21c
3599p	SEZ18T10	16.2	19.8	10%	1.0	190	1.0	500		200A		S1	P5
3599q	SS18Z	16.2	19.8	10%	35	14	35	750		175A		S1Δ	A21c
3599r	STZ18T10	16.2	19.8	10%	10	35	10	500		200A		S1	P5
3599s	TMD16	16.2	19.8	10%	5.0	65	5.0	100		150A		S1	
3599t	SZ18B	16.2	19.9	10	100	3.0	100	25W	.08	150A	T	S1Δ	S16Δ
3599u	SZ18C	16.2	19.9	10	20	65	20	1500	.08	160A		S1	A26
3599v	Z18	16.2	20	10	5.0	90	5.0	300		150		S1	
3599w	ZL18	16.2	20	10	25	18	25	1500		150		S1	
3600	SZ17	16.5	17.5	±.5V	5.0	140	5.0	150		150		S1	
3601	PR522	16.5	17.85	5.0	500	3.0	500	10W	.077			S1	S4b
3602	PR622	16.58	17.85	5.0	50	15	13	1000	.077			S1	A6
3602a	AV2017	16.66	17.34	2.0	50	14	50	1000		150A		S1	A19
3602b	AV4017	16.66	17.34	2.0	50	14	50	3000		150A		S1	S10
3602c	AV8017	16.66	17.34	2.0	50	14	50	10W		150A		S1	S11
3602d	317Z4	16.8	18	5.0	500	8.0	500		.09			S1	
3602e	1S5018A	17	19	5.0	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3607	1N229	17	21	10	.20			150		150A		S1*	C1
3608	1N768	17	21	10	5.0	200	5.0	250	.08	150		S1	A46
3609	1N1317	17	21	10%	.20			150		150A		S1*	C1
3610	1N2039	17	21	10	5.0	200	5.0	750	.08	150		S1	
3611	1N2048	17	21	10	500	3.0	500	10W	.08	150		S1	DO4
3611a	HZ8155	17	21	10	5.0	200	10	250				S1	
3612	PR718	17	21	10	500	3.0	500	10W	.079			S1	S4b
3613	PR818	17	21	10	50	30	10	1000	.079			S1	A6
3614	PS6317	17	21	10	.20			500		200A		S1	A46
3614a	RD19A	17	21	10	5.0	80	5.0	200	.085	150A		S1*	A23
3614b	RD19B	17	21	15	20	75	20	1W	.085	150A		S1	A34a
3614c	RD19C	17	21	15	80	60	80	3W	.085	150A		S1	S42
3614d	TR19	17	21	20	5.0	80	5.0	250	.089	150		S1	
3614e	1N667	17.1	18.9	5.0	5.0	26	5.0	400	.08	200	A	S1	
3614f	1N1357A	17.1	18.9	5.0	150	3.0	150	10W	.07	175A		S1Δ	DO4
3614g	1N1419	17.1	18.9	5.0	100	5.0	100	10W	.08	175	A	S1	
3614h	1N1428	17.1	18.9	5.0	10	20	10	1000	.08	200	A	S1	
3614j	1N1515A	17.1	18.9	5.0	8.0			750	.085	165A		S1	
3614k	1N1526A	17.1	18.9	5.0	10			1000	.085	165A		S1	
3614m	1N1596A	17.1	18.9	5.0	35			3500	.085	165A		S1	DO4
3614n	1N1607A	17.1	18.9	5.0	110			10W	.085	165A		S1	DO4
3615	1N1819A	17.1	18.9	5.0	500	3.0	500	10W	.07	150A		S1Δ	DO4Δ
3616	1N2048A	17.1	18.9	5.0	500	3.0	500	10W	.078	150		S1	
3616a	1N2982B	17.1	18.9	5.0	140	4.0*	140	10W		175J	A	S1	DO4Δ
3616b	CD3151	17.1	18.9	5.0	5.0	18	5.0	250	.090	200S		S1	
3616c	GLZ18BCA	17.1	18.9	5.0	3.5	28	3.5	250	.075			S1Δ	DO7
3616d	HZ8144	17.1	18.9	5.0	5.0	200	10	250				S1	
3616e	MZ18BFA	17.1	18.9	5.0	140	4.0	140	10W	.075	175J		S1Δ	DO4Δ
3617	PR523	17.1	18.9	5.0	500	3.0	500	10W	.078			S1	S4b
3618	PR623	17.1	18.9	5.0	50	30	10	1000	.078			S1	A6
3619	SV142	17.1	18.9	5.0	5.0	200	5.0	250	.078	150		S1	
3620	SV1023	17.1	18.9	5.0	5.0	200	5.0	750	.078	150		S1	
3620a	ZB18A	17.1	18.9	5.0	8.0	13	8.0	750	.08	175A		S1	A33
3620b	ZG18A	17.1	18.9	5.0	10	10	10	3500	.08	175C		S1	S4a
3620c	ZK18A	17.1	18.9	5.0	110	3.8	110	10W	.08	175C		S1	S19
3620d	ZT18A	17.1	18.9	5.0	10	10	10	1000	.08	175A		S1	A34
3620e	1N2817A	17.1	20.9	10%	660	2.2	660	50W	.075	175J		S1Δ	C5a
3621	PR419	17.1	20.9	10	660	2.2	660	10W	.07			S1	S21c
3621a	TMD17	17.1	20.9	10%	5.0	75	5.0	100		150A		S1	
3622	SZ18	17.5	18.5	±.5V	5.0	140	5.0	150		150		S1	

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>z</sub> (ma)	Z (ohms)	@ I <sub>z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3622a	1Z22T20	17.6	24.4	20	9.0			1000	.09	165A		S1	
3622b	3Z22T20	17.6	24.4	20	30			3500	.09	165A		S1	
3622c	10Z22T20	17.6	24.4	20	90			10W	.09	165A		S1	
3622d	MZ22T20	17.6	24.4	20	6.0			750	.09	165A		S1	
3622e	1/4M22Z	17.6	26.4	20∅	2.8	40	2.8	250	.080	175J		S1	A22a
3622f	3/4M22Z	17.6	26.4	20∅	11.5	23	11.5	750	.08	175C		S1	A31a
3622g	3/4Z22D	17.6	26.4	20∅	11.5	23	11.5	750	.080	175J		S1Δ	A31a
3622h	1N969	17.6	26.4	20∅	5.6	29	5.6	400	.080	175J		S1Δ	DO7
3622i	1N2819	17.6	26.4	20∅	570	2.5	570	50W	.08	175J		S1Δ	C5a
3622j	1N2985	17.6	26.4	20∅	115	5.0	115	10W	.080	175J		S1	DO4Δ
3622k	1N3028	17.6	26.4	20∅	11.5	23	11.5	1000	.08	175J		S1	A31a
3622m	1Z22D	17.6	26.4	20∅	11.5	23	11.5	1000	.080	175J		S1Δ	A6b
3622n	1.5M22Z	17.6	26.4	20∅	17	16	17	1.5W	.08	175C		S1	C14
3623	1.5Z22D	17.6	26.4	20∅	17	16	17	1500	.080	175J		S1Δ	C12
3624	10Z22D	17.6	26.4	20∅	115	5.0	115	10W	.080	175J		S1Δ	S4aΔ
3624a∅	AV2018	17.64	18.36	2.0	50	14	50	1000		150A		S1	A19
3624b∅	AV4018	17.64	18.36	2.0	50	14	50	3000		150A		S1	S10
3624c∅	AV8018	17.64	18.36	2.0	50	14	50	10W		150A		S1	S11
3625	SV4018	17.64	18.36	2.0	1.0	40	10	500	.06	150A		S1	
3626	1N1737	17.7	19.5	5.0	7.5	60	7.5	600	.01	150A		S1*	A29
3627	1N1737A	17.7	19.5	5.0	7.5	60	7.5	600	.005	150A		S1*	A29
3628	SV4018A	17.82	18.18	1.0	1.0	40	10	500	.06	150A		S1	
3628a#	319Z4	18	19.2	3.0	500	8.6	500		.09			S1	
3628b	1N768A	18	20	5.0	5.0	200	5.0	250	.08	150		S1Δ	
3628c	CD3129	18	20	5.0	5.0	200	5.0	250	.092	150A		S1	A23
3628d	GLZ19BDA	18	20	5.0	3.3	30	3.3	250	.075			S1Δ	DO7
3628e	HZ8145	18	20	5.0	5.0	200	5.0	250				S1	
3628f	MZ19BBA	18	20	5.0	130	4.0	130	10W	.075	175J		S1Δ	DO4Δ
3628g∅	1C20Z	18	22	10∅	15	13	15	1000		175A		S1Δ	
3629	1N721	18	22	10∅	4.0	20	4.0	250		175A		S1Δ	DO7
3629a∅	1N968A	18	22	10∅	6.2	750	.25	500	.075	175A		S1Δ	DO7
3630	1N1358	18	22	10∅	150	3.0	150	10W		175A	A	S1Δ	S11
3631	1N1778	18	22	10∅	15	13	15	1000		175A		S1Δ	A31
3632	1N1820 ∅	18	22	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
3633	1N1820C ∅	18	22	10	250	3.0	250	10W	.08	150A		S1Δ	
3633a∅	1N2818A	18	22	10∅	630	2.4	630	50W	.075	175J		S1Δ	C5a
3633b∅	1N2984A	18	22	10∅	125	4.0	125	10W	.075	175J		S1	DO4Δ
3633c∅	1N3027A	18	22	10∅	12.5	22	12.5	1000	.075	175J		S1	A31a
3633d#	1S5020	18	22	10	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3633e#	1S5020C	18	22	10	50	5.0	50	8.0	.08	150C		S1Δ	
3633f	1T20	18	22	10	15	13		1000				S1	A6a
3633g#	80Z4	18	22	10	500	10	500		.09			S1	
3634	PR420	18	22	10	630	2.4	630	10W	.08			S1	S21c
3634a∅	QZ20T10	18	22	10∅	5.0	33*	5.0	250		150	D	S1	A21c
3634b*	SS20Z	18	22	10∅	12	16	12	750		175A		S1Δ	A21c
3634c∅	TMD18	18	22	10∅	5.0	80	5.0	100		150A		S1	
3634d	ZB20	18	22	10	7.0	15	7.0	750	.085	175A		S1	A33
3634e	ZG20	18	22	10	10	11	10	3500	.085	175C		S1	S4a
3634f	ZK20	18	22	10	100	4.7	100	10W	.085	175C		S1	S19
3634g	ZT20	18	22	10	10	11	10	1000	.085	175A		S1	A34
3634h	1N2048B	18.05	19.95	5.0	500	3.0	500	10W	.079	150		S1	
3635	PR524	18.05	19.95	5.0	500	3.0	500	10W	.079			S1	S4b
3636	PR624	18.05	19.95	5.0	50	30	10	1000	.079			S1	A6
3636a∅	QZ19T5	18.05	19.95	5.0	5.0	30*	5.0	250		150	D	S1	A21c
3637	SV143	18.05	19.95	5.0	5.0	200	5.0	250	.079	150		S1	
3638	SV1024	18.05	19.95	5.0	5.0	200	5.0	750	.079	150		S1	
3639#	SZ19	18.5	19.5	±.5V	5.0	150	5.0	150		150		S1	
3640∅	AV2019	18.62	19.38	2.0	50	14	50	1000		150A		S1	A19
3640a∅	AV4019	18.62	19.38	2.0	50	14	50	3000		150A		S1	S10
3640c∅	AV8019	18.62	19.38	2.0	50	14	50	10W		150A		S1	S11
3640d	PR422	18.8	24.2	10	570	2.5	570	10W	.08			S1	S21c
3640e	1N1358A	19	21	5.0	150	3.0	150	10W	.08	175A		S1Δ	DO4
3641	1N1820A ∅	19	21	5.0	250	3.0	250	10W	.08	150A		S1Δ	DO4Δ

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3641a	1N2048C	19	21	5.0	500	3.0	500	10W	.081	150		S1	
3641b	1N2984B	19	21	5.0	125	4.0*	125	10W		175J	A	S1	DO4Δ
3642#	1S5020A	19	21	5.0	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3642a	1Z20T5	19	21	5.0	10			1000	.085	165A		S1	
3642b	3Z20T5	19	21	5.0	35			3500	.085	165A		S1	
3642c	1OZ20T5	19	21	5.0	110			10W	.085	165A		S1	
3642d	CD3152	19	21	5.0		20	5.0	250	.095	200S		S1	
3642e	GLZ20BCA	19	21	5.0	3.1	33	3.1	250	.075			S1Δ	DO7
3642f	HZ8146	19	21	5.0	5.0	200	5.0	250				S1	
3642g	MZ20BDA	19	21	5.0	125	4.0	125	10W	.075	175J		S1Δ	DO4Δ
3642h	MZ20T5	19	21	5.0	8.0			750	.085	165A		S1	
3643	PR525	19	21	5.0	500	3.0	500	10W	.081			S1	S4b
3644	PR625	19	21	5.0	50	30	10	1000	.081			S1	A6
3645	SV144	19	21	5.0	5.0	200	5.0	250	.081	150		S1	
3646	SV1025	19	21	5.0	5.0	200	5.0	750		150		S1	
3646a	ZB20A	19	21	5.0	7.0	15	7.0	750	.085	175A		S1	A33
3646b	ZG20A	19	21	5.0	10	11	10	3500	.085	175C		S1	S4a
3646c	ZK20A	19	21	5.0	100	4.7	100	10W	.085	175C		S1	S19
3646d	ZT20A	19	21	5.0	10	11	10	1000	.085	175A		S1	A34
3646e#	320Z4	19.2	20.4	3.0	500	10	500		.09			S1	
3646f	1/4M24Z	19.2	28.8	20	2.6	46	2.6	250	.080	175J		S1	A22a
3647	3/4M24Z	19.2	28.8	20	10.5	25	10.5	750	.08	175C		S1	A31a
3647a	3/4Z24D	19.2	28.8	20	10.5	25	10.5	750	.080	175J		S1Δ	A31a
3647b	1N970	19.2	28.8	20	5.2	33	5.2	400	.080	175J		S1Δ	DO7
3647c	1N2820	19.2	28.8	20	520	2.6	520	50W	.08	175J		S1Δ	C5a
3647d	1N2986	19.2	28.8	20	105	5.0	105	10W	.080	175J		S1	DO4Δ
3647e	1N3029	19.2	28.8	20	10.5	25	10.5	1000	.08	175J		S1	A31a
3647f	1Z24D	19.2	28.8	20	10.5	25	10.5	1000	.080	175J		S1Δ	A6b
3647g	1.5M24Z	19.2	28.8	20	16	17	16	1500	.08	175C		S1	C14
3648	1.5Z24D	19.2	28.8	20	16	17	16	1500	.080	175J		S1Δ	C12
3648a	3Z24T20	19.2	28.8	20	2.0	260	2.0	1000		200A		S1	A9
3648b	4Z24T20	19.2	28.8	20	2.0	260	2.0	2000		200A		S1	S36
3648c	1OZ24D	19.2	28.8	20	105	5.0	105	10W	.080	175J		S1Δ	S4aΔ
3648d	ECZ24T20-1	19.2	28.8	20	2.0	260	2.0	750		200A		S1	A10
3648e	ECZ24T20-2	19.2	28.8	20	1.0	260	1.0	400		200A		S1	A11
3648f	SCZ24T20	19.2	28.8	20	1.0	260	1.0	500		200A		S1	P5
3648g	VR24	19.2	28.8	20	4.0	20*	4.0	1000	.09	125C		S1	A51
3649a	1N2767	19.38	21.42	5.0	7.5	60	7.5		.005	175		S1	A48d
3649b	1N2767A	19.38	21.42	5.0	7.5	60	7.5		.0025	175		S1	A48d
3650#	SZ20	19.5	20.5	±.5V	5.0	150	5.0	150		150		S1	
3650a	AV2020	19.6	20.4	2.0	50	14	50	1000		150A		S1	A19
3650b	AV4020	19.6	20.4	2.0	50	14	50	3000		150A		S1	S10
3650c	AV8020	19.6	20.4	2.0	50	14	50	10W		150A		S1	S11
3650d#	Z22	19.6	24.5	10	5.0	120	5.0	300		150		S1	
3650e#	SZ22B	19.7	24.4	10	100	3.0	100	25W	.08	150A	T	S1Δ	S16Δ
3650f	SZ22C	19.7	24.4	10	20	90	20	1500	.08	160A		S1	A26
3650g	1C22Z	19.8	24.2	10	15	16	15	1000		175A		S1Δ	
3650h	1EZ22T10	19.8	24.2	10	9.0	18	9.0	1000	.09	130A		S1	A35a
3652	1N722	19.8	24.2	10	4.0	24	4.0	250		175A		S1Δ	DO7
3652a	1N969A	19.8	24.2	10	5.6	750	.25	500	.080	175A		S1Δ	DO7
3653	1N1359	19.8	24.2	10	150	3.0	150	10W		175A		S1Δ	S11
3656	1N1779	19.8	24.2	10	15	16	15	1000		175A		S1Δ	A31
3657	1N1821	19.8	24.2	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
3658	1N1821C	19.8	24.2	10	250	3.0	250	10W	.08	150A		S1Δ	
3658a	1N2819A	19.8	24.2	10	570	2.5	570	50W	.080	175J		S1Δ	C5a
3658b	1N2985A	19.8	24.2	10	115	5.0	115	10W	.080	175J		S1	DO4Δ
3658c	1N3028A	19.8	24.2	10	11.5	23	11.5	1000	.080	175J		S1	A31a
3658d	1T22	19.8	24.2	10	15	16		1000				S1	A6a
3658e	1TZ22T10	19.8	24.2	10	7.5			1000	.062	200A		S1	A9
3658f	2TZ22T10	19.8	24.2	10	7.5			2000	.062	200A		S1	S36
3658g	2Z22T10	19.8	24.2	10	2.0	110	2.0	2000		200A		S1	S36
3658h	10EZ22T10	19.8	24.2	10	90	3.0	90	10W	.09	130A		S1	S22
3658j	EEZ22T10-1	19.8	24.2	10	2.0	110	2.0	750		200A		S1	A10

SEE FOLD-OUT BACK COVER  
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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>z</sub> (ma)	Z (ohms)	@ I <sub>z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3658k	EEZ120T10-2	19.8	24.2	10	3.0	50	3.0	400		200A		S1	A11
3658m	ETZ22T10-1	19.8	24.2	10	7.5			750	.062	200A		S1	A10
3658n	ETZ22T10-2	19.8	24.2	10	3.0	50	3.0	400		200A		S1	A11
3659*	KR52	19.8	24.2	10	50	5.0	50	8000	.09	135A		S1Δ	S39Δ
3659a	MEZ22T10	19.8	24.2	10	5.0	26	5.0	500	.09	130A		S1	A35
3659b	SEZ22T10	19.8	24.2	10	1.0	220	1.0	500		200A		S1	P5
3659c	SS22Z	19.8	24.2	10	12	20	12	750		175A		S1Δ	A21c
3659d	STZ22T10	19.8	24.2	10	3.0	50	3.0	500		200A		S1	P5
3659e	TMD19	19.8	24.2	10	5.0	80	5.0	100		150A		S1	
3659f	ZB22	19.8	24.2	10	6.0	17	6.0	750	.085	175A		S1	A33
3659g	ZG22	19.8	24.2	10	9.0	13	9.0	3500	.085	175C		S1	S4a
3659h	ZK22	19.8	24.2	10	9.0	5.6	90	10W	.085	175C		S1	S19
3659j	ZT22	19.8	24.2	10	9.0	13	9.0	1000	.085	175A		S1	A34
3660	1N1516	20	24	10	33	60	6.0	750	.09	165A		S1	
3661	1N1527	20	24	10	45	45	9.0	1000	.09	165A		S1	
3662	1N1597	20	24	10	160	22.5	30	3500	.09	165B		S1	
3663	1N1608	20	24	10	450	12	90	10W	.09	165B		S1	DO4
3664	1N1880	20	24	10	8.0	10	15	1000	.064	200S		S1Δ	
3665	1N1896	20	24	10	8.0	10	15	10W	.064	200S		S1Δ	
3666	1N1936	20	24	10	1.0	100	5.0	250	.094	150A		S1∅	
3668	1N1990	20	24	10	1.0	100	5.0	150	.094	150		S1∅	
3668a	1S5022	20	24	10	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3668b	1S5022C	20	24	10	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3669	3R22	20	24	10	30	120	20	3500	.09	150C		S1	
3669a	81Z4	20	24	10	500	12	500		.09			S1	
3669b	DZ22A	20	24	10	9.1	43	9.1	500	.080			S1	
3670	LPZT22 ∅	20	24	10	7.5	20	7.5	1000	.062	185		S1Δ	
3670a	PZ22A	20	24	10	91	12	91	10W	.09	125B		S1	
3671	PZT22 ∅	20	24	10	7.5	20	7.5	10W	.060	185		S1Δ	
3672	R22	20	24	10	10	120	10	1000	.09	150		S1	
3672a	RZ22A	20	24	10	180	4.3	180	20W	.080			S1	
3673	ZL22	20	24	10	25	25	25	1500		150		S1	
3677	ZZ22 ∅	20	24	10	25	105	5.0	600	.09	125A		S1	
3677a	AA8 ∅	20	25	10	.20			150		150A		S1	C1
3677b	AV8	20	25	10	15	20	15	1000		150A		S1	A19
3677c	AV108	20	25	10	150	4.0	150	10W		150A		S1	S11
3677d	AV308	20	25	10	45	9.0	45	3000		150A		S1	S10Δ
3677e	AZ8	20	25	10	.20			150		150A		S1	C1
3678	1N230 ∅	20	27	10	.20			150		150A		S1*	C1
3679	1N769	20	27	10	5.0	300	5.0	250	.085	150		S1	A46
3680	1N1318	20	27	10	.20			150		150A		S1*	C1
3681	1N2040	20	27	10	5.0	300	5.0	750	.085	150		S1	
3682	1N2049	20	27	10	150	8.0	150	10W	.085	150		S1	DO4
3682a	HZ8156	20	27	10	5.0	300	10	250				S1	
3683	PR724	20	27	10	400	8.0	150	10W	.086			S1	S4b
3684	PR824	20	27	10	40	45	9.0	1000	.086			S1	A6
3684a	PS6318	20	27	10	.20			500		200A		S1	A46
3685	RD24A	20	27	10	5.0	150	5.0	200	.09	150A		S1*	A23
3685a	RD24B	20	27	15	20	140	20	1W	.09	150A		S1	A34a
3685b	RD24C	20	27	15	80	100	80	3W	.09	150A		S1	S42
3685c	TR24	20	27	20	5.0	150	5.0	250	.094	150		S1	
3685d	1/4M25Z	20	30	20	2.5	50	2.5	250	.080	175J		S1	A22a
3685e	3/4M25Z	20	30	20	10	30	10	750	.08	175C		S1	A31a
3685f	3/4Z25D	20	30	20	10	30	10	750	.080	175J		S1Δ	A31a
3685g	1M25Z	20	30	20	10	30	10	1000	.08	175C		S1	DO1
3685h	1N2821	20	30	20	500	2.7	500	50W	.08	175J		S1Δ	C5a
3685j	1Z25D	20	30	20	10	30	10	1000	.080	175J		S1Δ	A6b
3685k	1.5M25Z	20	30	20	15	18	15	1.5W	.08	175C		S1	C14
3685m	1.5Z25D	20	30	20	15	18	15	1500	.080	175J		S1Δ	C12
3686	10M25Z	20	30	20	100	6.0	100	10W	.08	175J		S1	DO4
3686a	10Z25D	20	30	20	100	6.0	100	10W	.080	175J		S1Δ	S4aΔ
3688	OA127	20	40	30	.10			250		175		S1	
3688a	321Z4	20.4	21.6	3.0	500	11	500		.10			S1	

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3688b $\emptyset$	AV2021	20.58	21.42	2.0	15	20	15	1000		150A		S1	A19
3688c $\emptyset$	AV4021	20.58	21.42	2.0	15	20	15	3000		150A		S1	S10
3688d $\emptyset$	AV8021	20.58	21.42	2.0	15	20	15	10W		150A		S1	S11
3688e*	1N668	20.9	23.1	5.0	5.0	30	5.0	400	.08	200	A	S1	
3688f	1N1359A	20.9	23.1	5.0	150	3.0	150	10W	.08	175A		S1 $\Delta$	DO4
3688g*	1N1420	20.9	23.1	5.0	100	5.0	100	10W	.08	175	A	S1	
3688h*	1N1429	20.9	23.1	5.0	10	23	10	1000	.08	200	A	S1	
3688j	1N1516A	20.9	23.1	5.0	6.0			750	.09	165A		S1	
3688k	1N1527A	20.9	23.1	5.0	9.0			1000	.09	165A		S1	
3688m	1N1597A	20.9	23.1	5.0	30			3500	.09	165A		S1	DO4
3688n	1N1608A	20.9	23.1	5.0	90			10W	.09	165A		S1	DO4
3689	1N1821A $\emptyset$	20.9	23.1	5.0	250	3.0	250	10W	.08	150A		S1 $\Delta$	DO4
3690	1N2049A	20.9	23.1	5.0	150	8.0	150	10W	.084	150		S1	
3690a $\emptyset$	1N2985B	20.9	23.1	5.0	115	5.0*	115	10W		175J	A	S1	DO4 $\Delta$
3690b $\emptyset$	CD3154	20.9	23.1	5.0	5.0	35	5.0	250	.100	200S		S1	A23
3690c	GLZ22BCA	20.9	23.1	5.0	2.8	40	2.8	250	.080			S1 $\Delta$	DO7
3690d	MZ22BFA	20.9	23.1	5.0	115	5.0	115	10W	.080	175J		S1 $\Delta$	DO4 $\Delta$
3691	PR544	20.9	23.1	5.0	400	8.0	150	10W	.084			S1	S4b
3692	PR644	20.9	23.1	5.0	40	45	19	1000	.084			S1	A6
3692a $\emptyset$	QZ22T5	20.9	23.1	5.0	5.0	40*	5.0	250		150	D	S1	A21c
3693	SV168	20.9	23.1	5.0	5.0	300	5.0	250	.084	150		S1	
3694	SV1033	20.9	23.1	5.0	5.0	300	5.0	750	.084	150		S1	
3694a	ZB22A	20.9	23.1	5.0	6.0	17	6.0	750	.085	175A		S1	A33
3694b	ZG22A	20.9	23.1	5.0	9.0	13	9.0	3500	.085	175C		S1	S4a
3694c	ZK22A	20.9	23.1	5.0	90	5.6	90	10W	.085	175C		S1	S19
3694d	ZT22A	20.9	23.1	5.0	9.0	13	9.0	1000	.085	175A		S1	A34
3695#	1S5022A	21	23	5.0	50	5.0	50	8.0	.08	150C		S1 $\Delta$	$\Delta$
3696 $\emptyset$	AV2022	21.56	22.44	2.0	15	20	15	1000		150A		S1	A19
3697 $\emptyset$	AV4022	21.56	22.44	2.0	15	20	15	3000		150A		S1	S10
3698 $\emptyset$	AV8022	21.56	22.44	2.0	15	20	15	10W		150A		S1	S11
3700	SV4022	21.56	22.44	2.0	1.0	120	5.0	500	.07	150A		S1	
3700a#	322Z4	21.6	22.8	3.0	500	12	500		.10			S1	
3700b $\emptyset$	1C24Z	21.6	26.4	10 $\emptyset$	15	18	15	1000		175A		S1 $\Delta$	
3701	1N723	21.6	26.4	10 $\emptyset$	4.0	28	4.0	250		175A		S1 $\Delta$	DO7
3701a $\emptyset$	1N970A	21.6	26.4	10 $\emptyset$	5.2	750	.25	500	.080	175A		S1 $\Delta$	DO7
3702	1N1360	21.6	26.4	10 $\emptyset$	150	3.0	150	10W		175A		S1 $\Delta$	S11
3703	1N1780	21.6	26.4	10 $\emptyset$	15	18	15	1000		175A		S1 $\Delta$	A31
3704	1N1822 $\emptyset$	21.6	26.4	10	250	3.0	250	10W	.08	150A	N	S1 $\Delta$	S19a $\Delta$
3705	1N1822C $\emptyset$	21.6	26.4	10	250	3.0	250	10W	.08	150A		S1 $\Delta$	
3705a $\emptyset$	1N2820A	21.6	26.4	10 $\emptyset$	520	2.6	520	50W	.080	175J		S1 $\Delta$	C5a
3705b $\emptyset$	1N2986A	21.6	26.4	10 $\emptyset$	105	5.0	105	10W	.080	175J		S1	DO4 $\Delta$
3705c $\emptyset$	1N3029A	21.6	26.4	10 $\emptyset$	10.5	25	10.5	1000	.080	175J		S1	A31a
3706#	1S502	21.6	26.4	10 $\emptyset$	150	4.0	150	8.0W	.08	150A		S1 $\Delta$	
3706a	1T24	21.6	26.4	10	15	18		1000				S1	A6a
3706b	PR424	21.6	26.4	10	520	2.6	520	10W	.08			S1	S21c
3706c $\emptyset$	QZ24T10	21.6	26.4	10 $\emptyset$	5.0	46*	5.0	250		150	D	S1	A21c
3706d*	SS24Z	21.6	26.4	10 $\emptyset$	12	23	12	750		175A		S1 $\Delta$	A21c
3706e	ZB24	21.6	26.4	10	6.0	20	6.0	750	.085	175A		S1	A33
3706f	ZG24	21.6	26.4	10	9.0	15	9.0	3500	.085	175C		S1	S4a
3706g	ZK24	21.6	26.4	10	80	6.5	80	10W	.085	175C		S1	S19
3706h	ZT24	21.6	26.4	10	9.0	15	9.0	1000	.085	175A		S1	A34
3706j	1/4M27Z	21.6	32.4	20 $\emptyset$	2.3	58	2.3	250	.085	175J		S1	A22a
3706k	3/4M27Z	21.6	32.4	20 $\emptyset$	9.5	35	9.5	750	.085	175C		S1	A31a
3706m	3/4Z27D	21.6	32.4	20 $\emptyset$	9.5	35	9.5	750	.085	175J		S1 $\Delta$	A31a
3706n	1N971	21.6	32.4	20 $\emptyset$	4.6	41	4.6	400	.085	175J		S1 $\Delta$	DO7
3706p	1N2822	21.6	32.4	20 $\emptyset$	460	2.8	460	50W	.085	175J		S1 $\Delta$	C5a
3706q	1N2988	21.6	32.4	20 $\emptyset$	95	7.0	95	10W	.085	175J		S1	DO4 $\Delta$
3706r	1N3030	21.6	32.4	20 $\emptyset$	9.5	35	9.5	1000	.085	175J		S1	A31a
3706s	1Z27D	21.6	32.4	20 $\emptyset$	9.5	35	9.5	1000	.085	175J		S1 $\Delta$	A6b
3706t	1.5M27Z	21.6	32.4	20 $\emptyset$	14	20	14	1.5W	.085	175C		S1	C14
3707	1.5Z27D	21.6	32.4	20 $\emptyset$	14	20	14	1500	.085	175J		S1 $\Delta$	C12
3708	10Z27D	21.6	32.4	20 $\emptyset$	95	7.0	95	10W	.085	175J		S1 $\Delta$	S4a $\Delta$
3709	SV4022A	21.78	22.22	1.0	1.0	120	5.0	500	.07	150A		S1	

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3709a#	1S501	21.8	24.2	10	150	4.0	150	8.0W	.08	150A		S1Δ	
3709b#	82Z4	22	26	10	500	15	500		.10			S1	
3709c#	1S5024	22	27	10	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3709d#	1S5024C	22	27	10	50	5.0	50	8.0	.08	150C		S1Δ	
3709e	1N769A	22.3	24.7	5.0	5.0	300	5.0	250	.085	150		S1Δ	
3709f∅	VR28	22.4	33.6	20	4.0	28*	4.0	1000	.09	125C		S1	A51
3709g∅	1N2821A	22.5	27.5	10	500	2.7	500	50W	.080	175J		S1Δ	C5a
3709h	PR425	22.5	27.5	10	500	2.7	500	10W	.08			S1	S21c
3709j∅	AV2023	22.54	23.46	2.0	15	20	15	1000		150A		S1	A19
3709k∅	AV4023	22.54	23.46	2.0	15	20	15	3000		150A		S1	S10
3709m∅	AV8023	22.54	23.46	2.0	15	20	15	10W		150A		S1	S11
3709n#	323Z4	22.8	24	2.0	500	15	500		.10			S1	
3709p	1N1360A	22.8	25.2	5.0	150	3.0	150	10W	.08	175A		S1Δ	DO4
3710	1N1822A ∅	22.8	25.2	5.0	250	3.0	250	10W	.08	150A		S1Δ	DO4
3711a	1N2049B	22.8	25.2	5.0	150	8.0	150	10W	.086	150		S1	
3711b∅	1N2986B	22.8	25.2	5.0	105	5.0*	105	10W		175J	A	S1	DO4Δ
3711c	1Z24T5	22.8	25.2	5.0	9.0			1000	.09	165A		S1	
3711d	3Z24T5	22.8	25.2	5.0	30			3500	.09	165A		S1	
3711e	1OZ24T5	22.8	25.2	5.0	90			10W	.09	165A		S1	
3711f∅	CD3155	22.8	25.2	5.0	5.0	38	5.0	250	.100	200S		S1	A23
3711g	GLZ24BDA	22.8	25.2	5.0	2.6	46	2.6	250	.080			S1Δ	DO7
3711h	MZ24BDA	22.8	25.2	5.0	105	5.0	105	10W	.080	175J		S1Δ	DO4Δ
3711j	MZ24T5	22.8	25.2	5.0	6.0			750	.09	165A		S1	
3712	PR545	22.8	25.2	5.0	400	8.0	150	10W	.086			S1	S4b
3713	PR645	22.8	25.2	5.0	40	45	9.0	1000	.086			S1	A6
3714	SV169	22.8	25.2	5.0	5.0	300	5.0	250	.086	150		S1	
3715	SV1034	22.8	25.2	5.0	5.0	300	5.0	750	.086	150		S1	
3715a	ZB24A	22.8	25.2	5.0	6.0	20	6.0	750	.085	175A		S1	A33
3715b	ZG24A	22.8	25.2	5.0	9.0	15	9.0	3500	.085	175C		S1	S4a
3715c	ZK24A	22.8	25.2	5.0	80	6.5	80	10W	.085	175C		S1	S19
3715d	ZT24A	22.8	25.2	5.0	9.0	15	9.0	1000	.085	175A		S1	A34
3716#	1S5024A	23	25.4	5.0	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3716a∅	AV2024	23.52	24.48	2.0	15	20	15	1000		150A		S1	A19
3716b∅	AV4024	23.52	24.48	2.0	15	20	15	3000		150A		S1	S10
3716c∅	AV8024	23.52	24.48	2.0	15	20	15	10W		150A		S1	S11
3717	1N1738	23.6	26	5.0	7.5	80	7.5	800	.01	150A		S1*	A29
3718	1N1738A	23.6	26	5.0	7.5	80	7.5	800	.005	150A		S1*	A29
3718a	GLZ25BBA	23.7	26.3	5.0	2.5	50	2.5	250	.080			S1Δ	DO7
3718b	MZ25BBA	23.7	26.3	5.0	100	6.0	100	10W	.080	175J		S1Δ	DO4Δ
3718c∅	QZ25T5	23.75	26.25	5.0	5.0	50*	5.0	250		150	D	S1	A21c
3718d#	325Z4	24	26.2	15	500	20	500		.10			S1	
3718e∅	PS1503	24	26.4	5.0	10	45	10	250	.002	150A		S1	A48e
3718f∅	PS1503A	24	26.4	5.0	10	45	10	250	.001	150A		S1	A48e
3718g#	83Z4	24	28	10	500	20	500		.10			S1	
3719	1N1517	24	30	10	26	75	5.0	750	.095	165A		S1	
3720	1N1528	24	30	10	35	60	7.0	1000	.095	165A		S1	
3721	1N1598	24	30	10	125	30	25	3500	.095	165B		S1	
3722	1N1609	24	30	10	350	15	70	10W	.095	165B		S1	DO4
3723	1N1881	24	30	10	8.0	18	15	1000	.066	200S		S1Δ	
3724	1N1897	24	30	10	8.0	18	15	10W	.066	200S		S1Δ	
3725	1N1937	24	30	10	1.0	200	3.0	250	.096	150A		S1∅	
3727	1N1991	24	30	10	1.0	200	3.0	150	.096	150		S1∅	
3727a#	1S5027	24	30	10	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3727b#	1S5027C	24	30	10	50	5.0	50	8.0	.08	150C		S1Δ	
3728	3R27	24	30	10	30	200	30	3500	.095	150C		S1	
3728a∅#	DZ27A	24	30	10	7.5	56	7.5	500	.085			S1	
3729	HZ27	24	30	10	200	7.0	40	5000	.00	165B		S1	
3730	LPZT27 ∅	24	30	10	7.5	22	7.5	1000	.064	185		S1Δ	
3730a#	PZ27A	24	30	10	75	15	75	10W	.095	125B		S1	
3731	PZT27 ∅	24	30	10	7.5	22	7.5	10W	.062	185		S1Δ	
3732	R27	24	30	10	10	200	10	1000	.095	150		S1	
3732a∅#	RZ27A	24	30	10	150	5.6	150	20W	.080			S1	
3733#	ZL27	24	30	10	25	32	25	1500		150		S1	

3

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)



LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.

LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3737	ZZ27 ∅	24	30	10	20	140	4.0	600	.095	125A		S1	
3737a	1/4M30Z	24	36	20∅	2.1	70	2.1	250	.085	175J		S1	A22a
3737b	3/4M30Z	24	36	20∅	8.5	40	8.5	750	.085	175C		S1	A31a
3737c	3/4Z30D	24	36	20∅	8.5	40	8.5	750	.085	175J		S1Δ	A31a
3737d	1N972	24	36	20∅	4.2	49	4.2	400	.085	175J		S1Δ	DO7
3737e	1N2823	24	36	20∅	420	3.0	420	50W	.085	175J		S1Δ	C5a
3737f	1N2989	24	36	20∅	85	8.0	85	10W	.085	175J		S1	DO4Δ
3737g	1N3031	24	36	20∅	8.5	40	8.5	1000	.085	175J		S1	A31a
3737h	1Z30D	24	36	20∅	8.5	40	8.5	1000	.085	175J		S1Δ	A6b
3737i	1.5M30Z	24	36	20∅	12	25	12	1.5W	.085	175C		S1	C14
3738	1.5Z30D	24	36	20∅	12	25	12	1500	.085	175J		S1Δ	C12
3739	10Z30D	24	36	20∅	85	8.0	85	10W	.085	175J		S1Δ	S4aΔ
3739b#	SZ27B	24.2	29.8	10	100	3.0	100	25W	.08	150A	T	S1Δ	S16Δ
3739c∅#	SZ27C	24.2	29.8	10	20	120	20	1500	.09	160A		S1	A26
3739d∅	1C27Z	24.3	29.7	10∅	15	23	15	1000		175A		S1Δ	
3739e	1EZ27T10	24.3	29.7	10∅	7.0	28	7.0	1000	.095	130A		S1	A35a
3741	1N724	24.3	29.7	10∅	4.0	35	4.0	250		175A		S1Δ	DO7
3741a∅	1N971A	24.3	29.7	10∅	4.6	750	.25	500	.085	175A		S1Δ	DO7
3742	1N1361	24.3	29.7	10∅	150	3.0	150	10W		175A	A	S1Δ	S11
3745	1N1781	24.3	29.7	10∅	15	23	15	1000		175A	A	S1Δ	A31
3746	1N1823 ∅	24.3	29.7	10	250	3.0	250	10W	.08	150A	N	S1Δ	S19aΔ
3747	1N1823C ∅	24.3	29.7	10	250	3.0	250	10W	.08	150A		S1Δ	
3747a∅	1N2822A	24.3	29.7	10∅	460	2.8	460	50W	.085	175J		S1Δ	C5a
3747b∅	1N2988A	24.3	29.7	10∅	95	7.0	95	10W	.085	175J		S1	DO4Δ
3747c∅	1N3030A	24.3	29.7	10∅	9.5	35	9.5	1000	.085	175J		S1	A31a
3748#	1S503	24.3	29.7	10∅	150	4.0	150	8.0W	.08	150A		S1Δ	
3748a	1T27	24.3	29.7	10	15	23		1000				S1	A6a
3748b∅	1TZ27T10	24.3	29.7	10∇	7.5			1000	.064	200A		S1	A9
3748c∅	2TZ27T10	24.3	29.7	10∇	7.5			2000	.064	200A		S1	S36
3748d∅	2Z27T10	24.3	29.7	10∇	2.0	140	2.0	2000		200A		S1	S36
3748e	10EZ27T10	24.3	29.7	10∅	70	4.5	70	10W	.095	130A		S1	S22
3748f∅	EEZ27T10-1	24.3	29.7	10∇	2.0	140	2.0	750		200A		S1	A10
3748g∅	EEZ150T10-2	24.3	29.7	10∇	3.0	60	3.0	400		200A		S1	A11
3748h∅	ETZ27T10-1	24.3	29.7	10∇	7.5			750	.064	200A		S1	A10
3748j∅	ETZ27T10-2	24.3	29.7	10∇	3.0	60	3.0	400		200A		S1	A11
3748k#	KR53	24.3	29.7	10	50	5.0	50	8000	.09	135A		S1Δ	S39Δ
3748m	MEZ27T10	24.3	29.7	10∅	4.0	55	4.0	500	.095	130A		S1	A35
3748n	PR427	24.3	29.7	10	460	2.8	460	10W	.08			S1	S21c
3748p∅	QZ27T10	24.3	29.7	10∅	5.0	58*	5.0	250		150	D	S1	A21c
3748q∅	SEZ27T10	24.3	29.7	10∇	1.0	280	1.0	500		200A		S1	P5
3748r	SS27Z	24.3	29.7	10∅	12	25	12	750		175A		S1Δ	A21c
3748s∅	STZ27T10	24.3	29.7	10∇	3.0	60	3.0	500		200A		S1	P5
3748t	ZB27	24.3	29.7	10	5.0	23	5.0	750	.09	175A		S1	A33
3748u	ZG27	24.3	29.7	10	7.0	17	7.0	3500	.09	175C		S1	S4a
3748v	ZK27	24.3	29.7	10	70	7.5	70	10W	.09	175C		S1	S19
3748w	ZT27	24.3	29.7	10	7.0	17	7.0	1000	.09	175A		S1	A34
3748x∅	AV2025	24.5	25.5	2.0	15	20	15	1000		150A		S1	A19
3748y∅	AV4025	24.5	25.5	2.0	15	20	15	3000		150A		S1	S10
3748z∅	AV8025	24.5	25.5	2.0	15	20	15	10W		150A		S1	S11
3749	1N2049C	24.7	27.3	5.0	150	8.0	150	10W	.088	150		S1	
3749a	PR546	24.7	27.3	5.0	350	8.0	150	10W	.088			S1	S4b
3750	PR646	24.7	27.3	5.0	35	45	9.0	1000	.088			S1	A6
3751	SV171	24.7	27.3	5.0	5.0	300	5.0	250	.088	150		S1	
3752	SV1035	24.7	27.3	5.0	5.0	300	5.0	750	.088	150		S1	
3753	HZ8134	24.85	29.15	10	.20	400	3.0	250				S1	
3753a	AA9 ∅	25	30	10∅	.20			150		150A		S1	C1
3753b	AV9	25	30	10∅	15	29	15	1000		150A		S1	A19
3753c	AV109	25	30	10∅	150	4.0	150	10W		150A		S1	S11
3753d	AV309	25	30	10∅	45	10	45	3000		150A		S1	S10Δ
3753e	AZ9	25	30	10∅	.20			150		150A		S1	C1
3754	1N231 ∅	25	32	13	.20			150		150A		S1*	C1
3755	1N1319	25	32	13	.20			150		150A		S1*	C1
3756	PS6319	25	32	13	.20			500		200A		S1	

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3756a#	RD29A	25	32	13	2.0	250	2.0	200	.095	150A		S1*	A23
3756b#	RD29B	25	32	15	10	200	10	1W	.095	150A		S1	A34a
3756c#	RD29C	25	32	15	40	150	40	3W	.095	150A		S1	S42
3756d#	TR29	25	32	20	2.0	250	2.0	250	.095	150		S1	
3756e#	1S5027A	25.4	28.4	5.0	50	5.0	50	8.0	.08	150C		S1Δ	Δ
3756f#	AV2026	25.48	26.52	2.0	15	29	15	1000		150A		S1	A19
3756g#	AV4026	25.48	26.52	2.0	15	29	15	3000		150A		S1	S10
3756h#	AV8026	25.48	26.52	2.0	15	29	15	10W		150A		S1	S11
3756j*	1N669	25.6	28.4	5.0	5.0	35	5.0	400	.085	200	A	S1	
3756k	1N1361A	25.6	28.4	5.0	150	3.0	150	10W	.08	175A		S1Δ	DO4
3756l*	1N1421	25.6	28.4	5.0	50	8.0	50	10W	.085	175	A	S1	
3756m*	1N1430	25.6	28.4	5.0	5.0	50	5.0	1000	.085	200	A	S1	
3756n	1N1517A	25.6	28.4	5.0	5.0			750	.095	165A		S1	
3756p	1N1528A	25.6	28.4	5.0	7.0			1000	.095	165A		S1	
3756q	1N1598A	25.6	28.4	5.0	25			3500	.095	165A		S1	DO4
3756r	1N1609A	25.6	28.4	5.0	70			10W	.095	165A		S1	DO4
3756s	GLZ27BCA	25.6	28.4	5.0	2.3	58	2.3	250	.085			S1Δ	DO7
3756t	MZ27BFA	25.6	28.4	5.0	95	7.0	95	10W	.085	175J		S1Δ	DO4Δ
3756u#	1N2988B	25.65	28.35	5.0	95	7.0*	95	10W		175J	A	S1	DO4Δ
3756v#	CD3156	25.65	28.35	5.0	4.0	40	4.0	250	.100	200S		S1	A23
3757	1N1823A ∅	25.7	28.4	5.0	250	3.0	250	10W	.08	150A		S1Δ	DO4Δ
3757a	ZB27A	25.7	28.4	5.0	5.0	23	5.0	750	.09	175A		S1	A33
3757b	ZG27A	25.7	28.4	5.0	7.0	17	7.0	3500	.09	175C		S1	S4a
3757c	ZK27A	25.7	28.4	5.0	70	7.5	70	10W	.09	175C		S1	S19
3757d	ZT27A	25.7	28.4	5.0	7.0	17	7.0	1000	.09	175A		S1	A34
3758..	1N2768	25.84	28.56	5.0	7.5	80	7.5		.005	175		S1	A48d
3759	1N2768A	25.84	28.56	5.0	7.5	80	7.5		.0025	175		S1	A48d
3762	1/4M33Z	26.4	39.6	20∅	1.9	85	1.9	250	.085	175J		S1	A22a
3762b	3/4M33Z	26.4	39.6	20∅	7.5	45	7.5	750	.085	175C		S1	A31a
3762c	3/4Z33D	26.4	39.6	20∅	7.5	45	7.5	750	.085	175J		S1Δ	A31aΔ
3762d	1N973	26.4	39.6	20∅	3.8	58	3.8	400	.085	175J		S1Δ	DO7
3762e	1N2824	26.4	39.6	20∅	380	3.2	380	50W	.085	175J		S1Δ	C5a
3762f	1N2990	26.4	39.6	20∅	75	9.0	75	10W	.085	175J		S1	DO4Δ
3762g	1N3032	26.4	39.6	20∅	7.5	45	7.5	1000	.085	175J		S1	A31a
3762h	1Z33D	26.4	39.6	20∅	7.5	45	7.5	1000	.085	175J		S1Δ	A6b
3762i	1.5M33Z	26.4	39.6	20∅	11	30	11	1.5W	.085	175C		S1	C14
3763	1.5Z33D	26.4	39.6	20∅	11	30	11	1500	.085	175J		S1Δ	C12
3764	10Z33D	26.4	39.6	20∅	75	9.0	75	10W	.085	175J		S1Δ	S4aΔ
3764a#	VR33	26.4	39.6	20∅	4.0	33*	4.0	1000	.095	125C		S1	A51
3764b#	AV2027	26.46	27.54	2.0	15	29	15	1000		150A		S1	A19
3764c#	AV4027	26.46	27.54	2.0	15	29	15	3000		150A		S1	S10
3764d#	AV8027	26.46	27.54	2.0	15	29	15	10W		150A		S1	S11
3765	SV4027	26.46	27.54	2.0	1.0	200	5.0	500	.08	150A		S1	
3766	SV4027A	26.73	27.27	1.0	1.0	200	5.0	500	.08	150A		S1	
3766a#	1C30Z	27	33	10∅	15	28	15	1000		175A		S1Δ	
3767	1N725	27	33	10∅	4.0	42	4.0	250		175A		S1Δ	DO7
3767a#	1N972A	27	33	10∅	4.2	1000	.25	500	.085	175A		S1Δ	DO7
3768	1N1362	27	33	10∅	150	4.0	150	10W		175A		S1Δ	S11
3769	1N1782	27	33	10∅	15	28	15	1000		175A		S1Δ	A31
3770	1N1824 ∅	27	33	10	250	4.0	250	10W	.08	150A	N	S1Δ	S19aΔ
3771	1N1824C ∅	27	33	10	250	4.0	250	10W	.08	150A		S1Δ	
3771a#	1N2823A	27	33	10∅	420	3.0	420	50W	.085	175J		S1Δ	C5a
3771b#	1N2989A	27	33	10∅	85	8.0	85	10W	.085	175J		S1	DO4Δ
3771c#	1N3031A	27	33	10∅	8.5	40	8.5	1000	.085	175J		S1	A31a
3772#	1S504	27	33	10∅	150	5.0	150	8.0W	.08	150A		S1Δ	
3772a#	1S5030	27	33	10	50	8.0	50	8.0	.08	150C		S1Δ	Δ
3772b#	1S5030C	27	33	10	50	8.0	50	8.0	.08	150C		S1Δ	
3772c	1T30	27	33	10	15	28		1000				S1	A6a
3772d	PR430	27	33	10	420	3.0	420	10W	.08			S1	S21c
3772e*	SS30Z	27	33	10∅	12	30	12	750		175A		S1Δ	A21c
3772f	ZB30	27	33	10	5.0			750		175S		S1Δ	
3772g	ZG30	27	33	10	23.5			3500		175S		S1Δ	
3772h	ZK30	27	33	10	67			10W		175S		S1Δ	

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3772i	ZT30	27	33	10	6.7			1000		175S		S1Δ	
3772j∅	AV2028	27.44	28.56	2.0	15	29	15	1000		150A		S1	A19
3772k∅	AV4028	27.44	28.56	2.0	15	29	15	3000		150A		S1	S10
3772m∅	AV8028	27.44	28.56	2.0	15	29	15	10W		150A		S1	S11
3772n#	1S5030A	28.4	31.4	5.0	50	8.0	50	8.0	.08	150C		S1Δ	Δ
3772p∅	AV2029	28.42	29.58	2.0	15	29	15	1000		150A		S1	A19
3772q∅	AV4029	28.42	29.58	2.0	15	29	15	3000		150A		S1	S10
3772r∅	AV8029	28.42	29.58	2.0	15	29	15	10W		150A		S1	S11
3772s	1N1362A	28.5	31.5	5.0	150	4.0	150	10W	.08	175A		S1Δ	DO4
3773	1N1824A ∅	28.5	31.5	5.0	250	4.0	250	10W	.08	150A		S1Δ	Δ
3773a∅	1N2989B	28.5	31.5	5.0	85	8.0*	85	10W		175J	A	S1	DO4Δ
3774	1Z30T5	28.5	31.5	5.0	7.0			1000	.095	165A		S1	
3774a	3Z30T5	28.5	31.5	5.0	25			3500	.095	165A		S1	
3774b	10Z30T5	28.5	31.5	5.0	70			10W	.095	165A		S1	
3774c∅	CD3157	28.5	31.5	5.0	4.0	48	4.0	250	.100	200S		S1	A23
3774d	GLZ30BCA	28.5	31.5	5.0	2.1	70	2.1	250	.085			S1Δ	DO7
3774e	MZ30BDA	28.5	31.5	5.0	85	8.0	85	10W	.085	175J		S1Δ	DO4Δ
3774f	MZ30T5	28.5	31.5	5.0	5.0			750	.095	165A		S1	
3774g∅	QZ30T5	28.5	31.5	5.0	5.0	70*	5.0	250		150	D	S1	A21c
3774h	1/4M36Z	28.8	43.2	20∅	1.7	100	1.7	250	.085	175J		S1	A22a
3774j	3/4M36Z	28.8	43.2	20∅	7.0	50	7.0	750	.085	175C		S1	A31a
3774k	3/4Z36D	28.8	43.2	20∅	7.0	50	7.0	750	.085	175J		S1Δ	A31a
3774m	1N974	28.8	43.2	20∅	3.4	70	3.4	400	.085	175J		S1Δ	DO7
3774n	1N2825	28.8	43.2	20∅	350	3.5	350	50W	.085	175J		S1Δ	C5a
3774p	1N2991	28.8	43.2	20∅	70	10	70	10W	.085	175J		S1	DO4Δ
3774q	1N3033	28.8	43.2	20∅	7.0	50	7.0	1000	.085	175J		S1	A31a
3774r	1Z36D	28.8	43.2	20∅	7.0	50	7.0	1000	.085	175J		S1Δ	A6b
3774s	1.5M36Z	28.8	43.2	20∅	10	35	10	1.5W	.085	175C		S1	C14
3774t	1.5Z36D	28.8	43.2	20∅	10	35	10	1500	.085	175J		S1Δ	C12
3774u∅	3Z36T20	28.8	43.2	20∅	2.0	400	2.0	1000		200A		S1	A9
3774v∅	4Z36T20	28.8	43.2	20∅	2.0	400	2.0	2000		200A		S1	S36
3774w	10Z36D	28.8	43.2	20∅	70	10	70	10W	.085	175J		S1Δ	S4aΔ
3775∅	ECZ36T20-1	28.8	43.2	20∅	2.0	400	2.0	750		200A		S1	A10
3775a∅	ECZ36T20-2	28.8	43.2	20∅	1.0	400	1.0	400		200A		S1	A11
3776∅	SCZ36T20	28.8	43.2	20∅	1.0	400	1.0	500		200A		S1	P5
3776a	ZB30A	29	32	5.0	5.0			750		175S		S1Δ	
3776b	ZG30A	29	32	5.0	23.5			3500		175S		S1Δ	
3776c	ZK30A	29	32	5.0	67			10W		175S		S1Δ	
3776d	ZT30A	29	32	5.0	6.7			1000		175S		S1Δ	
3776e∅	AV2030	29.4	30.6	2.0	15	29	15	1000		150A		S1	A19
3776f∅	AV4030	29.4	30.6	2.0	15	29	15	3000		150A		S1	S10
3776g∅	AV8030	29.4	30.6	2.0	15	29	15	10W		150A		S1	S11
3776h#	SZ33B	29.6	36.3	10	100	4.0	100	25W	.08	150A	T	S1Δ	S16Δ
3776j∅#	SZ33C	29.6	36.3	10	20	150	20	1500	.09	160A		S1	A26
3776k∅	1C33Z	29.7	36.3	10∅	15	33	15	1000		175A		S1Δ	
3777	1N726	29.7	36.3	10∅	4.0	50	4.0	250		175A		S1Δ	DO7
3777a∅	1N973A	29.7	36.3	10∅	3.8	1000	.25	500	.085	175A		S1Δ	DO7
3778	1N1363	29.7	36.3	10∅	150	4.0	150	10W		175A		S1Δ	S11
3779	1N1783	29.7	36.3	10∅	15	33	15	1000		175A		S1Δ	A31
3780	1N1825 ∅	29.7	36.3	10	150	4.0	150	10W	.08	150A	N	S1Δ	S19aΔ
3781	1N1825C ∅	29.7	36.3	10	150	4.0	150	10W	.08	150A		S1Δ	
3781a∅	1N2824A	29.7	36.3	10∅	380	3.2	380	50W	.085	175J		S1Δ	C5a
3781b∅	1N2990A	29.7	36.3	10∅	75	9.0	75	10W	.085	175J		S1	DO4Δ
3781c∅	1N3032A	29.7	36.3	10∅	7.5	45	7.5	1000	.085	175J		S1	A31a
3781d#	1S505	29.7	36.3	10∅	150	5.0	150	8.0W	.08	150A		S1Δ	
3782	1T33	29.7	36.3	10	15	33		1000				S1	A6a
3782a∅	1TZ33T10	29.7	36.3	10∇	7.5			1000	.066	200A		S1	A9
3782b∅	2TZ33T10	29.7	36.3	10∇	7.5			2000	.066	200A		S1	S36
3782c∅	2Z33T10	29.7	36.3	10∇	2.0	180	2.0	2000		200A		S1	S36
3782d∅	EEZ33T10-1	29.7	36.3	10∇	2.0	180	2.0	750		200A		S1	A10
3782e∅	EEZ180T10-2	29.7	36.3	10∇	3.0	80	3.0	400		200A		S1	A11
3782f∅	ETZ33T10-1	29.7	36.3	10∇	7.5			750	.068	200A		S1	A10
3782g∅	ETZ33T10-2	29.7	36.3	10∇	3.0	80	3.0	400		200A		S1	A11

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3782h*#	KR54	29.7	36.3	10	50	5.0	50	8000	.09	135A		S1Δ	S39Δ
3782j	PR433	29.7	36.3	10	380	3.2	380	10W	.08			S1	S21c
3782k∅	SEZ33T10	29.7	36.3	10∇	1.0	360	1.0	500		200A		S1	P5
3782m*	SS33Z	29.7	36.3	10∅	12	37	12	750		175A		S1Δ	A21c
3782n∅	STZ33T10	29.7	36.3	10∇	3.0	80	3.0	500		200A		S1	P5
3782p	ZB33	29.7	36.3	10	4.0	30	4.0	750	.09	175A		S1	A33
3782q	ZG33	29.7	36.3	10	6.0	23	6.0	3500	.09	175C		S1	S4a
3782r	ZK33	29.7	36.3	10	65	11	65	10W	.09	175C		S1	S19
3782s	ZT33	29.7	36.3	10	6.0	23	6.0	1000	.09	175A		S1	A34
3783	1N1882	30	36	10	8.0	24	15	1000	.068	200S		S1Δ	
3784	1N1898	30	36	10	8.0	24	15	10W	.068	200S		S1Δ	
3785	1N1938	30	36	10	.20	300	3.0	250	.098	150A		S1∅	
3787	1N1992	30	36	10	.20	300	3.0	150	.098	150		S1∅	
3787a#	1S5033	30	36	10	50	8.0	50	8.0	.08	150C		S1Δ	Δ
3787b#	1S5033C	30	36	10	50	8.0	50	8.0	.08	150C		S1Δ	
3787c	AA10 ∅	30	36	10∅	.20			150		150A		S1	C1
3787d	AV10	30	36	10∅	15	40	15	1000		150A		S1	A19
3787e	AV110	30	36	10∅	150	5.0	150	10W		150A		S1	S11
3787f	AV310	30	36	10∅	45	12	45	3000		150A		S1	S10Δ
3787g	AZ10	30	36	10∅	.20			150		150A		S1	C1
3787h∅#	DZ33A	30	36	10	6.2	75	6.2	500	.085			S1	
3788	HZ33	30	36	10	150	10	30	5000	.03	165B		S1	
3789	LPZT33 ∅	30	36	10	7.5	24	7.5	1000	.066	185		S1Δ	
3789a#	PZ33A	30	36	10∅	62	18	62	10W	.10	125B		S1	
3790	PZT33 ∅	30	36	10	7.5	24	7.5	10W∇	.064	185		S1Δ	
3790a∅#	RZ33A	30	36	10	120	7.5	120	20W	.085			S1	
3790b#	ZL33	30	36	10	25	45	25	1500		150		S1	
3791	1N232 ∅	30	39	13	.20			150		150A		S1*	C1
3792	1N1320	30	39	13	.20			150		150A		S1*	C1
3793	PS6320	30	39	13	.20			500		200A		S1	
3793a∅#	RD35B	30	39	15	10	250	10	1W	.10	150A		S1	A34a
3793b∅#	RD35C	30	39	15	40	200	40	3W	.10	150A		S1	S42
3793c∅#	TR35	30	39	20	2.0	300	2.0	250	.098	150		S1	
3793d#	RD35A	30	42	20	2.0	300	2.0	200	.10	150A		S1*	A23
3793e∅	AV2031	30.38	31.62	2.0	15	40	15	1000		150A		S1	A19
3793f∅	AV4031	30.38	31.62	2.0	15	40	15	3000		150A		S1	S10
3793g∅	AV8031	30.38	31.62	2.0	15	40	15	10W		150A		S1	S11
3794	1N1739	30.5	32.5	5.0	7.5	100	7.5	1000	.01	150A		S1*	A30
3795	1N1739A	30.5	32.5	5.0	7.5	100	7.5	1000	.005	150A		S1*	A30
3795g	1/4M39Z	31.2	46.8	20∅	1.6	120	1.6	250	.090	175J		S1	A22a
3795h	3/4M39Z	31.2	46.8	20∅	6.5	60	6.5	750	.09	175C		S1	A31a
3795j	3/4Z39D	31.2	46.8	20∅	6.5	60	6.5	750	.090	175J		S1Δ	A31a
3795k	1N975	31.2	46.8	20∅	3.2	80	3.2	400	.090	175J		S1Δ	DO7
3795m	1N2826	31.2	46.8	20∅	320	4.0	320	50W	.09	175J		S1Δ	C5a
3795n	1N2992	31.2	46.8	20∅	65	11	65	10W	.090	175J		S1	DO4Δ
3795o	1N3034	31.2	46.8	20∅	6.5	60	6.5	1000	.09	175J		S1	A31a
3795p	1Z39D	31.2	46.8	20∅	6.5	60	6.5	1000	.090	175J		S1Δ	A6b
3795q	1.5M39Z	31.2	46.8	20∅	10	40	10	1.5W	.09	175C		S1	C14
3795r	1.5Z39D	31.2	46.8	20∅	10	40	10	1500	.090	175J		S1Δ	C12
3795s	1OZ39D	31.2	46.8	20∅	65	11	65	10W	.090	175J		S1Δ	S4aΔ
3795t∅	VR39	31.2	46.8	20∅	4.0	39*	4.0	1000	.095	125C		S1	A51
3796	1N1363A	31.3	34.7	5.0	150	4.0	150	10W	.08	175A		S1Δ	DO4
3796a	GLZ33BCA	31.3	34.7	5.0	1.9	85	1.9	250	.085			S1Δ	DO7
3796b	MZ33BDA	31.3	34.7	5.0	75	9.0	75	10W	.085	175J		S1Δ	DO7Δ
3796c∅	1N2990B	31.35	34.65	5.0	75	9.0*	75	10W		175J	A	S1	DO4Δ
3796d∅	CD3158	31.35	34.65	5.0	3.0	50	3.0	250	.100	200S		S1	A23
3796e∅	AV2032	31.36	32.64	2.0	15	40	15	1000		150A		S1	A19
3796f∅	AV4032	31.36	32.64	2.0	15	40	15	3000		150A		S1	S10
3796g∅	AV8032	31.36	32.64	2.0	15	40	15	10W		150A		S1	S11
3797#	1S5033A	31.4	34.4	5.0	50	8.0	50	8.0	.08	150C		S1Δ	Δ
3798	1N1825A ∅	31.4	34.7	5.0	150	4.0	150	10W	.08	150A		S1Δ	DO4Δ
3798a	ZB33A	31.4	34.7	5.0	4.0	30	4.0	750	.09	175A		S1	A33
3798b	ZG33A	31.4	34.7	5.0	6.0	23	6.0	3500	.09	175C		S1	S4a

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3798c	ZK33A	31.4	34.7	5.0	65	11	65	10W	.09	175C		S1	S19
3798d	ZT33A	31.4	34.7	5.0	6.0	23	6.0	1000	.09	175A		S1	A34
3799Ø	PS1504	32	35.2	5.0	10	60	10	250	.002	150A		S1	A48e
3799aØ	PS1504A	32	35.2	5.0	10	60	10	250	.001	150A		S1	A48e
3799e	1N2769	32.3	35.7	5.0	7.5	100	7.5		.005	175		S1	A48e
3799f	1N2769A	32.3	35.7	5.0	7.5	100	7.5		.0025	175		S1	A48e
3799gØ	AV2033	32.34	33.66	2.0	15	40	15	1000		150A		S1	A19
3799hØ	AV4033	32.34	33.66	2.0	15	40	15	3000		150A		S1	S10
3799jØ	AV8033	32.34	33.66	2.0	15	40	15	10W		150A		S1	S11
3800	SV4033	32.34	33.66	2.0	1.0	240	5.0	500	.08	150A		S1	
3800aØ	1N974A	32.4	39.6	10Ø	3.4	1000	.25	500	.085	175A		S1Δ	DO7
3801	1N1364	32.4	39.6	10Ø	150	5.0	150	10W		175A		S1Δ	S11
3802	1N1784	32.4	39.6	10Ø	15	39	15	1000		175A		S1Δ	S11
3803	1N1826 Ø	32.4	39.6	10	150	5.0	150	10W	.09	150A	N	S1Δ	S19aΔ
3804	1N1826C Ø	32.4	39.6	5.0	150	5.0	150	10W	.09	150A		S1Δ	
3804aØ	1N2825A	32.4	39.6	10Ø	350	3.5	350	50W	.085	175J		S1Δ	C5a
3804bØ	1N2991A	32.4	39.6	10Ø	70	10	70	10W	.085	175J		S1	DO4Δ
3804cØ	1N3033A	32.4	39.6	10Ø	7.0	50	7.0	1000	.085	175J		S1	A31a
3804e	1T36	32.4	39.6	10	15	39	15	1000				S1	A6a
3805	PR436	32.4	39.6	10	350	3.5	350	10W	.09			S1	S21c
3805a	ZB36	32.4	39.6	10	4.0	32	4.0	750	.09	175A		S1	A33
3805b	ZG36	32.4	39.6	10	6.0	25	6.0	3500	.09	175C		S1	S4a
3805c	ZK36	32.4	39.6	10	13	55	13	10W	.09	175C		S1	S19
3805d	ZT36	32.4	39.6	10	6.0	25	6.0	1000	.09	175A		S1	A34
3805eØ	1C36Z	32.4	39.7	10Ø	15	39	15	1000		175A		S1Δ	
3806	1N727	32.4	39.7	10Ø	4.0	60	4.0	250		175A		S1Δ	DO7
3806a*	SS36Z	32.4	39.7	10Ø	12	49	12	750		175A		S1Δ	A21c
3807	SV4033A	32.67	33.33	1.0	1.0	240	5.0	500	.08	150A		S1	
3807a#	1S5036	33	39	10	50	8.0	50	8.0	.09	150C		S1Δ	Δ
3807b#	1S5036C	33	39	10	50	8.0	50	8.0	.09	150C		S1Δ	
3807cØ	AV2034	33.32	34.68	2.0	15	40	15	1000		150A		S1	A19
3807dØ	AV4034	33.32	34.68	2.0	15	40	15	3000		150A		S1	S10
3807eØ	AV8034	33.32	34.68	2.0	15	40	15	10W		150A		S1	S11
3807f	1N1364A	34.2	37.8	5.0	150	5.0	150	10W	.09	175A		S1Δ	DO4
3807gØ	1N2991B	34.2	37.8	5.0	70	10*	70	10W		175J	A	S1	DO4Δ
3807hØ	CD3159	34.2	37.8	5.0	3.0	75	3.0	250	.100	200S		S1	A23
3807j	GLZ36BCA	34.2	37.8	5.0	1.7	100	1.7	250	.085			S1Δ	DO7
3807k	MZ36BDA	34.2	37.8	5.0	70	10	70	10W	.085	175J		S1Δ	DO4Δ
3807m	ZB36A	34.2	37.8	5.0	4.0	32	4.0	750	.09	175A		S1	A33
3807n	ZG36A	34.2	37.8	5.0	6.0	25	6.0	3500	.09	175C		S1	S4a
3807p	ZK36A	34.2	37.8	5.0	13	55	13	10W	.09	175C		S1	S19
3807q	ZT36A	34.2	37.8	5.0	6.0	25	6.0	1000	.09	175A		S1	A34
3808Ø	AV2035	34.3	35.7	2.0	15	40	15	1000		150A		S1	A19
3808aØ	AV4035	34.3	35.7	2.0	15	40	15	3000		150A		S1	S10
3808bØ	AV8035	34.3	35.7	2.0	15	40	15	10W		150A		S1	S11
3809#	1S5036A	34.4	37.5	5.0	50	8.0	50	8.0	.09	150C		S1Δ	Δ
3809a	1N1826A Ø	34.4	37.8	5.0	150	5.0	150	10W	.09	150A		S1Δ	DO4Δ
3809b	1/4M43Z	34.4	51.6	20Ø	1.5	140	1.5	250	.090	175J		S1	A22a
3809c	3/4M43Z	34.4	51.6	20Ø	6.0	70	6.0	750	.09	175C		S1	A31a
3809d	3/4Z43D	34.4	51.6	20Ø	6.0	70	6.0	750	.090	175J		S1Δ	A31a
3809e	1N976	34.4	51.6	20Ø	3.0	93	3.0	400	.090	175J		S1Δ	DO7
3809f	1N2827	34.4	51.6	20Ø	290	4.5	290	50W	.09	175J		S1Δ	C5a
3809g	1N2993	34.4	51.6	20Ø	60	12	60	10W	.090	175J		S1	DO4Δ
3809h	1N3035	34.4	51.6	20Ø	6.0	70	6.0	1000	.09	175J		S1	A31a
3809j	1Z43D	34.4	51.6	20Ø	6.0	70	6.0	1000	.090	175J		S1Δ	A6b
3809k	1.5M43Z	34.4	51.6	20Ø	9.0	45	9.0	1.5W	.09	175C		S1	C14
3809m	1.5Z43D	34.4	51.6	20Ø	9.0	45	9.0	1500	.090	175J		S1Δ	C12
3809n	10Z43D	34.4	51.6	20Ø	60	12	60	10W	.090	175J		S1Δ	S4aΔ
3812#	OA128	35	85		.10			250		175		S1	
3813	1N728	35.1	42.9	10Ø	4.0	70	4.0	250		175A		S1Δ	DO7
3813aØ	1N975A	35.1	42.9	10Ø	3.2	1000	.25	500	.090	175A		S1Δ	DO7
3814	1N1365	35.1	42.9	10Ø	150	5.0	150	10W		175A		S1Δ	S11
3815	1N1785	35.1	42.9	10Ø	15	45	15	1000		175A		S1Δ	A31



### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3816	1N1827 ∅	35.1	42.9	10	150	5.0	150	10W	.09	150A	N	S1Δ	S19aΔ
3817	1N1827C ∅	35.1	42.9	10	150	5.0	150	10W	.09	150A		S1Δ	
3817a∅	1N2826A	35.1	42.9	10∅	320	4.0	320	50W	.090	175J		S1Δ	C5a
3817b∅	1N2992A	35.1	42.9	10∅	65	11	65	10W	.090	175J		S1	DO4Δ
3817c∅	1N3034A	35.1	42.9	10∅	6.5	60	6.5	1000	.090	175J		S1	A31a
3817d∅	1C39Z	35.1	42.9	10∅	15	45	15	1000		175A		S1Δ	
3818#	1S507	35.1	42.9	10∅	150	6.0	150	8.0W	.08	150A		S1Δ	
3818a	1T39	35.1	42.9	10	15	45		1000				S1	A6a
3818b∅	1TZ39T10	35.1	42.9	10∅	7.5			1000		200A		S1	A9
3818c∅	2TZ39T10	35.1	42.9	10∅	7.5			2000		200A		S1	S36
3818d∅	2Z39T10	35.1	42.9	10∅	2.0	220	2.0	2000		200A		S1	S36
3818e∅	EEZ39T10-1	35.1	42.9	10∅	2.0	220	2.0	750		200A		S1	A10
3818f∅	EEZ200T10-2	35.1	42.9	10∅	3.0			400		200A		S1	A11
3818g∅	ETZ39T10-1	35.1	42.9	10∅	7.5			750		200A		S1	A10
3818h∅	ETZ39T10-2	35.1	42.9	10∅	3.0			400		200A		S1	A11
3818j*#	KR55	35.1	42.9	10	50	6.0	50	8000	.09	135A		S1Δ	C1aΔ
3818k	PR439	35.1	42.9	10	320	4.0	320	10W	.09			S1	S21c
3818m∅	SEZ39T10	35.1	42.9	10∅	1.0	440	1.0	500		200A		S1	P5
3818n*	SS39Z	35.1	42.9	10∅	12	57	12	750		175A		S1Δ	A21c
3818p∅	STZ39T10	35.1	42.9	10∅	3.0			500		200A		S1	P5
3818q∅#	SZ39B	35.1	42.9	10	100	5.0	100	25W	.08	150	T	S1Δ	S16Δ
3818r	ZB39	35.1	42.9	10	4.0	37	4.0	750	.09	175A		S1	A33
3818s	ZG39	35.1	42.9	10	6.0	28	6.0	3500	.09	175C		S1	S4a
3818t	ZK39	35.1	42.9	10	50	15	50	10W	.09	175C		S1	S19
3818u	ZT39	35.1	42.9	10	6.0	28	6.0	1000	.09	175A		S1	A34
3818v∅	AV2036	35.28	36.72	2.0	15	40	15	1000		150A		S1	A19
3818w∅	AV4036	35.28	36.72	2.0	15	40	15	3000		150A		S1	S10
3818x∅	AV8036	35.28	36.72	2.0	15	40	15	10W		150A		S1	S11
3819	1N1740	35.3	39.1	5.0	7.5	120	7.5	1200	.01	150A		S1*	A30
3820	1N1740A	35.3	39.1	5.0	7.5	120	7.5	1200	.005	150A		S1*	A30
3820a#	1S506	35.4	39.6	10∅	150	6.0	150	8.0W	.08	150A		S1Δ	
3821	1N1883	36	43	10	8.0	26	15	1000	.070	200S		S1Δ	
3822	1N1899	36	43	10	8.0	26	15	10W	.070	200S		S1Δ	
3823	1N1939	36	43	10	.20	400	3.0	250	.10	150A		S1∅	
3825	1N1993	36	43	10	.20	400	3.0	150	.10	150		S1∅	
3825a#	1S5039	36	43	10	50	8.0	50	8.0	.09	150C		S1Δ	Δ
3825b#	1S5039C	36	43	10	50	8.0	50	8.0	.09	150C		S1Δ	
3825c	AA11 ∅	36	43	10∅	.20			150		150A		S1	C1
3825d	AV11	36	43	10∅	15	55	15	1000		150A		S1	A19
3825e	AV111	36	43	10∅	150	7.0	150	10W		150A		S1	S11
3825f	AV311	36	43	10∅	45	14	45	3000		150A		S1	S10Δ
3825g	AZ11	36	43	10∅	.20			150		150A		S1	C1
3825h∅#	DZ39A	36	43	10	5.1	100	5.1	500	.090			S1	
3825j#	PZ39A	36	43	10∅	51	20	51	10W	.10	125B		S1	
3825k∅#	RZ39A	36	43	10	100	10	100	20W	.085			S1	
3825m	1/4M45Z	36	54	20∅	1.4	150	1.4	250	.090	175J		S1	A22a
3825n	3/4M45Z	36	54	20∅	5.5	75	5.5	750	.09	175C		S1	A31a
3825p	3/4Z45D	36	54	20∅	5.5	75	5.5	750	.090	175J		S1Δ	A31a
3825q	1M45Z	36	54	20∅	5.5	75	5.5	1000	.09	175C		S1	DO1
3825r	1N2828	36	54	20∅	280	4.5	280	50W	.09	175J		S1Δ	C5a
3825s	1Z45D	36	54	20∅	5.5	75	5.5	1000	.090	175J		S1Δ	A6b
3825t	1.5M45Z	36	54	20∅	8.5	50	8.5	1.5W	.09	175C		S1	C14
3825u	1.5Z45D	36	54	20∅	8.5	50	8.5	1500	.090	175J		S1Δ	C12
3826	10M45Z	36	54	20∅	55	13	55	10W	.09	175J		S1	DO4
3826a	10Z45D	36	54	20∅	55	13	55	10W	.090	175J		S1Δ	S4aΔ
3826b∅	AV2037	36.26	37.74	2.0	15	40	15	1000		150A		S1	A19
3827∅	AV4037	36.26	37.74	2.0	15	40	15	3000		150A		S1	S10
3827a∅	AV8037	36.26	37.74	2.0	15	40	15	10W		150A		S1	S11
3827b	1N1365A	37	41	5.0	150	5.0	150	10W	.09	175A		S1Δ	DO4
3827c	GLZ39BCA	37	41	5.0	1.6	120	1.6	250	.090			S1Δ	DO7
3827d	MZ39BDA	37	41	5.0	65	11	65	10W	.090	175J		S1Δ	DO4Δ
3828	1N233 ∅	37	45	10	.20			150		150A		S1*	C1
3829	1N1321	37	45	10	.20			150		150A		S1*	C1

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SEE FOLD-OUT BACK COVER for EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3830	PS6321	37	45	10	.20			500		200A		S1	
3830aØ	1N2992B	37.05	40.95	5.0	65	11*	65	10W		175J	A	S1	DO4Δ
3830bØ	CD3161	37.05	40.95	5.0	3.0	100	3.0	250	.100	200S		S1	A23
3831	1N1827A Ø	37.1	41	5.0	150	5.0	150	10W	.09	150A		S1Δ	DO4Δ
3831a	ZB39A	37.1	41	5.0	4.0	37	4.0	750	.09	175A		S1	A33
3831b	ZG39A	37.1	41	5.0	6.0	28	6.0	3500	.09	175C		S1	S4a
3831c	ZK39A	37.1	41	5.0	50	15	50	10W	.09	175C		S1	S19
3831d	ZT39A	37.1	41	5.0	6.0	28	6.0	1000	.09	175A		S1	A34
3831eØ	AV2038	37.24	38.76	2.0	15	55	15	1000		150A		S1	A19
3831fØ	AV4038	37.24	38.76	2.0	15	55	15	3000		150A		S1	S10
3831gØ	AV8038	37.24	38.76	2.0	15	55	15	10W		150A		S1	S11
3831h#	1S5039A	37.5	40.9	5.0	50	8.0	50	8.0	.09	150C		S1Δ	Δ
3832	1/4M47Z	37.6	56.4	20Ø	1.3	160	1.3	250	.090	175J		S1	A22a
3832a	3/4M47Z	37.6	56.4	20Ø	5.5	80	5.5	750	.09	175C		S1	A31a
3832b	3/4Z47D	37.6	56.4	20Ø	5.5	80	5.5	750	.090	175J		S1Δ	A31a
3832c	1N977	37.6	56.4	20Ø	2.7	105	2.7	400	.090	175J		S1Δ	DO7
3832d	1N2829	37.6	56.4	20Ø	270	5.0	270	50W	.09	175J		S1Δ	C5a
3832e	1N2995	37.6	56.4	20Ø	55	14	55	10W	.090	175J		S1	DO4Δ
3832f	1N3036	37.6	56.4	20Ø	5.5	80	5.5	1000	.09	175J		S1	A31a
3832g	1Z47D	37.6	56.4	20Ø	5.5	80	5.5	1000	.090	175J		S1Δ	A6b
3832h	1.5M47Z	37.6	56.4	20Ø	8.0	55	8.0	1.5W	.09	175C		S1	C14
3832j	1.5Z47D	37.6	56.4	20Ø	8.0	55	8.0	1500	.090	175J		S1Δ	C12
3832k	10Z47D	37.6	56.4	20Ø	55	14	55	10W	.090	175J		S1Δ	S4aΔ
3833Ø	VR47	37.6	56.4	20Ø	4.0	47*	4.0	1000	.095	125C		S1	A51
3833aØ	AV2039	38.22	39.78	2.0	15	55	15	1000		150A		S1	A19
3834Ø	AV4039	38.22	39.78	2.0	15	55	15	3000		150A		S1	S10
3834aØ	AV8039	38.22	39.78	2.0	15	55	15	10W		150A		S1	S11
3835	SV4039	38.22	39.78	2.0	1.0	400	5.0	500	.09	150A		S1	
3835aØ	3Z48T20	38.4	57.6	20Ø	2.0	540	2.0	1000		200A		S1	A9
3835bØ	4Z48T20	38.4	57.6	20Ø	2.0	540	2.0	2000		200A		S1	S36
3835cØ	ECZ48T20-1	38.4	57.6	20Ø	2.0	540	2.0	750		200A		S1	A10
3835dØ	ECZ48T20-2	38.4	57.6	20Ø	1.0	540	1.0	400		200A		S1	A11
3835eØ	SCZ48T20	38.4	57.6	20Ø	1.0	540	1.0	500		200A		S1	P5
3836	SV4039A	38.61	39.39	1.0	1.0	400	5.0	500	.09	150A		S1	
3836aØ	1C43Z	38.7	47.3	10Ø	15	54	15	1000		175A		S1Δ	
3837	1N729	38.7	47.3	10Ø	4.0	84	4.0	250		175A		S1Δ	DO7
3837aØ	1N976A	38.7	47.3	10Ø	3.0	1500	.25	500	.090	175A		S1Δ	DO7
3838	1N1366	38.7	47.3	10Ø	150	6.0	150	10W		175A		S1Δ	S11
3839	1N1786	38.7	47.3	10Ø	15	54	15	1000		175A		S1Δ	A31
3840	1N1828 Ø	38.7	47.3	10	150	6.0	150	10W	.09	150A	N	S1Δ	S19aΔ
3841	1N1828C Ø	38.7	47.3	10	150	6.0	150	10W	.09	150A		S1Δ	Δ
3841aØ	1N2827A	38.7	47.3	10Ø	290	4.5	290	50W	.090	175J		S1Δ	C5a
3841bØ	1N2993A	38.7	47.3	10Ø	60	12	60	10W	.090	175J		S1	DO4Δ
3841cØ	1N3035A	38.7	47.3	10Ø	6.0	70	6.0	1000	.090	175J		S1	A31a
3841d	1T43	38.7	47.3	10	15	54		1000		1000		S1	A6a
3841e*	SS43Z	38.7	47.3	10Ø	12	69	12	750		175A		S1Δ	A21c
3841f	ZB43	38.7	47.3	10	3.0	43	3.0	750	.09	175A		S1	A33
3841g	ZG43	38.7	47.3	10	5.0	32	5.0	3500	.09	175C		S1	S4a
3841h	ZK43	38.7	47.3	10	45	17	45	10W	.09	175C		S1	S19
3841j	ZT43	38.7	47.3	10	5.0	32	5.0	1000	.09	175A		S1	A34
3842a	1N2770	38.78	42.84	5.0	7.5	120	7.5		.005	175		S1	A48e
3842b	1N2770A	38.78	42.84	5.0	7.5	120	7.5		.0025	175		S1	A48e
3842c#	1S5043	39	47	10	50	10	50	8.0	.09	150C		S1Δ	Δ
3842d#	1S5043C	39	47	10	50	10	50	8.0	.09	150C		S1Δ	Δ
3842eØ	AV2040	39.2	40.8	2.0	15	55	15	1000		150A		S1	A19
3842fØ	AV4040	39.2	40.8	2.0	15	55	15	3000		150A		S1	S10
3842gØ	AV8040	39.2	40.8	2.0	15	55	15	10W		150A		S1	S11
3842h#	1S508	39.7	47.3	10Ø	100	7.0	100	8.0W	.08	150A		S1Δ	
3842jØ	PS1505	40	44	5.0	10	75	10	250	.002	150A		S1	A48f
3842kØ	PS1505A	40	44	5.0	10	75	10	250	.001	150A		S1	A48f
3842m	1/4M50Z	40	60	20Ø	1.2	180	1.2	250	.090	175J		S1	A22a
3842n	3/4M50Z	40	60	20Ø	5.0	90	5.0	750	.09	175C		S1	A31a
3842p	3/4Z50D	40	60	20Ø	5.0	90	5.0	750	.090	175J		S1Δ	A31a

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3842q	1M50Z	40	60	20∅	5.0	90	5.0	1000	.09	175C		S1	DO1
3842r	1N2830	40	60	20∅	250	5.0	250	50W	.10	175J		S1Δ	C5a
3842s	1Z50D	40	60	20∅	5.0	90	5.0	1000	.090	175J		S1Δ	A6b
3842t	1.5M50Z	40	60	20∅	7.5	60	7.5	1.5W	.09	175C		S1	C14
3842u	1.5Z50D	40	60	20∅	7.5	60	7.5	1500	.090	175J		S1Δ	C12
3842v	10Z50D	40	60	20∅	50	15	50	10W	.090	175J		S1Δ	S4aΔ
3842w∅	AV2041	40.18	41.82	2.0	15	55	15	1000		150A		S1	A19
3842x∅	AV4041	40.18	41.82	2.0	15	55	15	3000		150A		S1	S10
3843∅	AV8041	40.18	41.82	2.0	15	55	15	10W		150A		S1	S11
3843a∅	1N2828A	40.5	49.5	10∅	280	4.5	280	50W	.090	175J		S1Δ	C5a
3843b	1N1366A	40.8	45.2	5.0	150	6.0	150	10W	.09	175A		S1Δ	DO4
3843c	GLZ43BCA	40.8	45.2	5.0	1.5	140	1.5	250	.090			S1Δ	DO7
3843d	MZ43BDA	40.8	45.2	5.0	60	12	60	10W	.090	175J		S1Δ	DO4Δ
3843e	1N978	40.8	61.2	20∅	2.5	125	2.5	400	.090	175J		S1Δ	DO7
3844	1N2831	40.8	61.2	20∅	245	5.2	245	50W	.09	175J		S1Δ	C5aΔ
3844a	1N2997	40.8	61.2	20∅	50	15	50	10W	.090	175J		S1	DO4Δ
3844b	1N3037	40.8	61.2	20∅	5.0	95	5.0	1000	.090	175J		S1	A31a
3844c∅	1N2993B	40.85	45.15	5.0	60	12*	60	10W		175J	A	S1	DO4Δ
3844d∅	CD3162	40.85	45.15	5.0	2.0	130	2.0	250	.100	200S		S1	A23
3844e#	1S5043A	40.9	44.9	5.0	50	10	50	8.0	.09	150C		S1Δ	Δ
3845	1N1828A ∅	40.9	45.2	5.0	150	6.0	150	10W	.09	150A		S1Δ	DO4Δ
3846a	ZB43A	40.9	45.2	5.0	3.0	43	3.0	750	.09	175A		S1	A33
3846b	ZG43A	40.9	45.2	5.0	5.0	32	5.0	3500	.09	175C		S1	S4a
3846c	ZK43A	40.9	45.2	5.0	45	17	45	10W	.09	175C		S1	S19
3846d	ZT43A	40.9	45.2	5.0	5.0	32	5.0	1000	.09	175A		S1	A34
3846e∅	AV2042	41.16	42.84	2.0	15	55	15	1000		150A		S1	A19
3846f∅	AV4042	41.16	42.84	2.0	15	55	15	3000		150A		S1	S10
3846g∅	AV8042	41.16	42.84	2.0	15	55	15	10W		150A		S1	S11
3847	1N1741	41.2	45.6	5.0	7.5	140	7.5	1400	.01	150A		S1*	A30
3848	1N1741A	41.2	45.6	5.0	7.5	140	7.5	1400	.005	150A		S1*	A30
3848a	1/4M52Z	41.6	62.4	20∅	1.2	200	1.2	250	.09	175J		S1	A22a
3848b	3/4M52Z	41.6	62.4	20∅	5.0	100	5.0	750	.09	175C		S1	A31a
3848c	3/4Z52D	41.6	62.4	20∅	5.0	100	5.0	750	.090	175J		S1Δ	A31a
3848d	1M52Z	41.6	62.4	20∅	5.0	100	5.0	1000	.09	175J		S1	A31a
3848e	1Z52D	41.6	62.4	20∅	5.0	100	5.0	1000	.090	175J		S1Δ	A6b
3848f	1.5M52Z	41.6	62.4	20∅	7.2	65	7.2	1.5W	.09	175C		S1	C14
3848g	1.5Z52D	41.6	62.4	20∅	7.2	65	7.2	1500	.090	175J		S1Δ	C12
3849	10M52Z	41.6	62.4	20∅	50	15	50	10W	.10	175J		S1	DO4
3849a	10Z52D	41.6	62.4	20∅	50	15	50	10W	.090	175J		S1Δ	S4aΔ
3850	50M52Z	41.6	62.4	20∅	240	5.5	240	50W	.10	175J		S1	DO4
3850a∅	AV2043	42.14	43.86	2.0	15	55	15	1000		150A		S1	A19
3850b∅	AV4043	42.14	43.86	2.0	15	55	15	3000		150A		S1	S10
3850c∅	AV8043	42.14	43.86	2.0	15	55	15	10W		150A		S1	S11
3850d∅	1C47Z	42.3	51.7	10∅	15	64	15	1000		175A		S1Δ	
3851	1N730	42.3	51.7	10∅	4.0	98	4.0	250		175A		S1Δ	DO7
3851a∅	1N977A	42.3	51.7	10∅	2.7	1500	.25	500	.090	175A		S1Δ	DO7
3852	1N1367	42.3	51.7	10∅	150	7.0	150	10W		175A		S1Δ	S11
3853	1N1787	42.3	51.7	10∅	15	64	15	1000		175A		S1Δ	A31
3854	1N1829 ∅	42.3	51.7	10	150	7.0	150	10W	.09	150A	N	S1Δ	S19aΔ
3855	1N1829C ∅	42.3	51.7	10	150	7.0	150	10W	.09	150A		S1Δ	
3855a∅	1N2829A	42.3	51.7	10∅	270	5.0	270	50W	.090	175J		S1Δ	C5a
3855b∅	1N2995A	42.3	51.7	10∅	55	14	55	10W	.090	175J		S1	DO4Δ
3855c∅	1N3036A	42.3	51.7	10∅	5.5	80	5.5	1000	.090	175J		S1	A31a
3856#	1S509	42.3	51.7	10∅	100	8.0	100	8.0W	.08	150A		S1Δ	
3856a	1T47	42.3	51.7	10	15	64		1000				S1	A6a
3856b∅	1TZ47T10	42.3	51.7	10∇	7.5			1000		200A		S1	A9
3856c∅	2TZ47T10	42.3	51.7	10∇	7.5			2000		200A		S1	S36
3856d∅	2Z47T10	42.3	51.7	10∇	2.0	270	2.0	2000		200A		S1	S36
3856e∅	EEZ47T10-1	42.3	51.7	10∇	2.0	270	2.0	750		200A		S1	A10
3856f∅	EEZ220T10-2	42.3	51.7	10∇	3.0			400		200A		S1	A11
3856g∅	ETZ47T10-1	42.3	51.7	10∇	7.5			750		200A		S1	A10
3856h∅	ETZ47T10-2	42.3	51.7	10∇	3.0			400		200A		S1	A11
3856j*#	KR56	42.3	51.7	10	50	8.0	50	8000	.09	135A		S1Δ	S39Δ

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3856k	SEZ47T10	42.3	51.7	10	1.0	540	1.0	500		200A		S1	P5
3856m*	SS47Z	42.3	51.7	10	12	74	12	750		175A		S1Δ	A21c
3856n	STZ47T10	42.3	51.7	10	3.0			500		200A		S1	P5
3856p	SZ47B	42.3	51.7	10	100	6.0	100	25W	.08	150	T	S1Δ	S16Δ
3856q	ZB47	42.3	51.7	10	3.0	55	3.0	750	.09	175A		S1	A33
3856r	ZG47	42.3	51.7	10	5.0	35	5.0	3500	.09	175C		S1	S4a
3856s	ZK47	42.3	51.7	10	45	20	45	10W	.09	175C		S1	S19
3856t	ZT47	42.3	51.7	10	5.0	35	5.0	1000	.09	175A		S1	A34
3856u	GLZ45BBA	42.7	47.3	5.0	1.4	150	1.4	250	.090			S1Δ	DO7
3856v	MZ45BBA	42.7	47.3	5.0	55	13	55	10W	.090	175J		S1Δ	DO4Δ
3857	1N1884	43	51	10	8.0	28	15	1000	.072	200S		S1Δ	
3858	1N1900	43	51	10	8.0	28	15	10W	.072	200S		S1Δ	
3859	1N1940	43	51	10	.20	500	2.0	250	.10	150A		S1	
3861	1N1994	43	51	10	.20	500	2.0	150	.10	150		S1	
3861a#	1S5047	43	51	10	50	10	50	8.0	.09	150C		S1Δ	Δ
3861b#	1S5047C	43	51	10	50	10	50	8.0	.09	150C		S1Δ	
3861c	DZ47A	43	51	10	4.3	130	4.3	500	.090			S1	
3862	HZ47	43	51	10	110	20	22	5000	.05	165B		S1	
3862a#	PZ47A	43	51	10	43	22	43	10W	.10	125B		S1	
3862b	RZ47A	43	51	10	82	13	82	20W	.090			S1	
3862c	AA12	43	52	10	.20			150		150A		S1	C1
3862d	AV12	43	52	10	15	76	15	1000		150A		S1	A19
3862e	AV112	43	52	10	150	9.0	150	10W		150A		S1	S11
3862f	AV312	43	52	10	45	25	45	3000		150A		S1	S10Δ
3862g	AZ12	43	52	10	.20			150		150A		S1	C1
3862h	1N234	43	54	10	.20					200A		S1	
3863	1N1322	43	54	10	.20			150		150A		S1*	C1
3864	PS6322	43	54	10	.20			500		200A		S1	
3864a	AV2044	43.12	44.88	2.0	15	55	15	1000		150A		S1	A19
3864b	AV4044	43.12	44.88	2.0	15	55	15	3000		150A		S1	S10
3864c	AV8044	43.12	44.88	2.0	15	55	15	10W		150A		S1	S11
3864d	AV2045	44.1	45.9	2.0	15	76	15	1000		150A		S1	A19
3864e	AV4045	44.1	45.9	2.0	15	76	15	3000		150A		S1	S10
3864f	AV8045	44.1	45.9	2.0	15	76	15	10W		150A		S1	S11
3864g	1N1367A	44.6	49.4	5.0	150	7.0	150	10W	.09	175A		S1Δ	DO4
3864h	GLZ47BCA	44.6	49.4	5.0	1.3	160	1.3	250	.090			S1Δ	DO7
3864j	MZ47BDA	44.6	49.4	5.0	55	14	55	10W	.090	175J		S1Δ	DO4Δ
3864k	1N2995B	44.65	49.35	5.0	55	14*	55	10W		175J	A	S1	DO4Δ
3864m	CD3163	44.65	49.35	5.0	2.0	150	2.0	250	.100	200S		S1	A23
3865	1N1829A	44.7	49.4	5.0	150	7.0	150	10W	.09	150A		S1Δ	Δ
3865a	ZB47A	44.7	49.4	5.0	3.0	55	3.0	750	.09	175A		S1	A33
3865b	ZG47A	44.7	49.4	5.0	5.0	35	5.0	3500	.09	175C		S1	S4a
3865c	ZK47A	44.7	49.4	5.0	45	20	45	10W	.09	175C		S1	S19
3865d	ZT47A	44.7	49.4	5.0	5.0	35	5.0	1000	.09	175A		S1	A34
3866	1/4M56Z	44.8	67.2	20	1.1	230	1.1	250	.090	175J		S1	A22a
3866a	3/4M56Z	44.8	67.2	20	4.5	110	4.5	750	.09	175C		S1	A31a
3866b	3/4Z56D	44.8	67.2	20	4.5	110	4.5	750	.090	175J		S1Δ	A31a
3866c	1N979	44.8	67.2	20	2.2	150	2.2	400	.090	175J		S1Δ	DO7
3866d	1N2832	44.8	67.2	20	220	6.0	220	50W	.09	175J		S1Δ	C5a
3866e	1N2999	44.8	67.2	20	45	16	45	10W	.090	175J		S1	DO4Δ
3866f	1N3038	44.8	67.2	20	4.5	110	4.5	1000	.09	175J		S1	A31a
3866g	1Z56D	44.8	67.2	20	4.5	110	4.5	1000	.090	175J		S1Δ	A6b
3866h	1.5M56Z	44.8	67.2	20	6.7	75	6.7	1.5W	.09	175C		S1	C14
3867	1.5Z56D	44.8	67.2	20	6.7	75	6.7	1500	.090	175J		S1Δ	C12
3867a	1OZ56D	44.8	67.2	20	45	16	45	10W	.090	175J		S1Δ	S4aΔ
3867b	VR56	44.8	67.2	20	4.0	56*	4.0	1000	.095	125C		S1	A51
3868#	1S5047A	44.9	49.8	5.0	50	10	50	8.0	.09	150C		S1Δ	Δ
3868a	1N2830A	45	55	10	250	5.0	250	50W	.090	175J		S1Δ	C5a
3868b	AV2046	45.08	46.92	2.0	15	76	15	1000		150A		S1	A19
3868c	AV4046	45.08	46.92	2.0	15	76	15	3000		150A		S1	S10
3868d	AV8046	45.08	46.92	2.0	15	76	15	10W		150A		S1	S11
3868e	1C51Z	45.9	56.1	10	15	74	15	1000		175A		S1Δ	
3869	1N731	45.9	56.1	10	4.0	115	4.0	250		175A		S1Δ	DO7

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



3

LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3869a	1N978A	45.9	56.1	10	2.5	1500	.25	500	.090	175A		S1Δ	DO7
3870	1N1368	45.9	56.1	10	150	8.0	150	10W		175A		S1Δ	S11
3871	1N1788	45.9	56.1	10	35	74	15	1000		175A		S1Δ	A31
3872	1N1830	45.9	56.1	10	150	8.0	150	10W	.10	150A	N	S1Δ	S19aΔ
3873	1N1830C	45.9	56.1	10	150	8.0	150	10W	.10	150A		S1Δ	
3873a	1N2831A	45.9	56.1	10	245	5.2	245	50W	.090	175J		S1Δ	C5a
3873b	1N2997A	45.9	56.1	10	50	15	50	10W	.090	175J		S1	DO4Δ
3873c	1N3037A	45.9	56.1	10	5.0	95	5.0	1000	.090	175J		S1	A31a
3874#	1S510	45.9	56.1	10	100	10	100	8.0W	.08	150A		S1Δ	
3874a	1T51	45.9	56.1	10	15	74		1000				S1	A6a
3874b*	SS51Z	45.9	56.1	10	12	91	12	750		175A		S1Δ	A21c
3874c	ZB51	45.9	56.1	10	3.0	63	3.0	750	.095	175C		S1Δ	A33
3874d	ZG51	45.9	56.1	10	4.0	40	4.0	3500	.095	175C		S1Δ	S4a
3874e	ZK51	45.9	56.1	10	40	22	40	10W	.095	175C		S1Δ	S19
3874f	ZT51	45.9	56.1	10	4.0	40	4.0	1000	.095	175C		S1Δ	A34
3874g	AV2047	46.06	47.94	2.0	15	76	15	1000		150A		S1	A19
3874h	AV4047	46.06	47.94	2.0	15	76	15	3000		150A		S1	S10
3874j	AV8047	46.06	47.94	2.0	15	76	15	10W		150A		S1	S11
3875	SV4047	46.06	47.94	2.0	.50	600	5.0	500	.09	150A		S1	
3876	SV4047A	46.53	47.47	2.0	.50	600	5.0	500	.09	150A		S1	
3876a#	1S5051	47	56	10	50	10	50	8.0	.10	150C		S1Δ	Δ
3876b#	1S5051C	47	56	10	50	10	50	8.0	.10	150C		S1Δ	
3876c	AV2048	47.04	48.96	2.0	15	76	15	1000		150A		S1	A19
3876d	AV4048	47.04	48.96	2.0	15	76	15	3000		150A		S1	S10
3876e	AV8048	47.04	48.96	2.0	15	76	15	10W		150A		S1	S11
3877	1N1742	47.1	52.1	5.0	7.5	180	7.5	1600	.01	150A		S1*	A30
3878	1N1742A	47.1	52.1	5.0	7.5	180	7.5	1600	.005	150A		S1*	A30
3878a	GLZ50BBA	47.5	52.5	5.0	1.2	180	1.2	250	.090			S1Δ	DO7
3878b	HZ8119	47.5	52.5	5.0	.20	300	2.0	250				S1	
3878c	MZ50BBA	47.5	52.5	5.0	50	15	50	10W	.090	175J		S1Δ	DO4Δ
3878d	PS1506	48	52.8	5.0	10	90	10	250	.002	150A		S1	A48g
3878e	PS1506A	48	52.8	5.0	10	90	10	250	.001	150A		S1	A48g
3878f	1N2961	48	54	5.0	100	7.0	100	50W	.074	175C		S1Δ	
3878g	AV2049	48.02	49.98	2.0	15	76	15	1000		150A		S1	A19
3878h	AV4049	48.02	49.98	2.0	15	76	15	3000		150A		S1	S10
3878j	AV8049	48.02	49.98	2.0	15	76	15	10W		150A		S1	S11
3878k	1N1368A	48.4	53.6	5.0	150	8.0	150	10W	.10	175A		S1Δ	DO4
3878m	1N2997B	48.45	53.55	5.0	50	15*	50	10W		175J	A	S1	DO4Δ
3879	1N1830A	48.5	53.6	5.0	150	8.0	150	10W	.10	150A		S1Δ	DO4Δ
3879a	ZB51A	48.5	53.6	5.0	3.0	63	3.0	750	.095	175A		S1	A33
3879b	ZG51A	48.5	53.6	5.0	4.0	40	4.0	3500	.095	175C		S1	S4a
3879c	ZK51A	48.5	53.6	5.0	4.0	22	40	10W	.095	175C		S1	S19
3879d	ZT51A	48.5	53.6	5.0	4.0	40	4.0	1000	.095	175A		S1	A34
3880#	1S5051A	48.9	53.4	5.0	50	10	50	8.0	.10	150C		S1Δ	Δ
3880a	AV2050	49	51	2.0	15	76	15	1000		150A		S1	A19
3880b	AV4050	49	51	2.0	15	76	15	3000		150A		S1	S10
3880c	AV8050	49	51	2.0	15	76	15	10W		150A		S1	S11
3880d	GLZ52BBA	49.4	54.6	5.0	1.2	200	1.2	250	.090			S1	DO7
3880e	MZ52BBA	49.4	54.6	5.0	50	15	50	10W	.090	175J		S1Δ	DO4Δ
3880f	1/4M62Z	49.6	74.4	20	1.0	290	1.0	250	.090	175J		S1	A22a
3880g	3/4M62Z	49.6	74.4	20	4.0	125	4.0	750	.09	175C		S1	A31a
3880h	3/4Z62D	49.6	74.4	20	4.0	125	4.0	750	.090	175J		S1Δ	A31a
3880j	1N980	49.6	74.4	20	2.0	185	2.0	400	.090	175J		S1Δ	DO7
3880k	1N2833	49.6	74.4	20	200	7.0	200	50W	.09	175J		S1Δ	C5a
3880m	1N3000	49.6	74.4	20	40	17	40	10W	.090	175J		S1	DO4Δ
3880n	1N3039	49.6	74.4	20	4.0	125	4.0	1000	.09	175J		S1	A31a
3881	1Z62D	49.6	74.4	20	4.0	125	4.0	1000	.090	175J		S1Δ	A6b
3882	1.5M62Z	49.6	74.4	20	6.0	85	6.0	1.5W	.09	175C		S1	C14
3882a	1.5Z62D	49.6	74.4	20	6.0	85	6.0	1500	.090	175J		S1Δ	C12
3882b	10Z62D	49.6	74.4	20	40	17	40	10W	.090	175J		S1Δ	S4aΔ
3882c	AV2051	49.98	52.02	2.0	15	76	15	1000		150A		S1	A19
3882d	AV4051	49.98	52.02	2.0	15	76	15	3000		150A		S1	S10
3882e	AV8051	49.98	52.02	2.0	15	76	15	10W		150A		S1	S11

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3882f $\emptyset$	1C56Z	50.4	61.6	10 $\emptyset$	15	88	15	1000		175A		S1 $\Delta$	
3883	1N732	50.4	61.6	10 $\emptyset$	4.0	140	4.0	250		175A		S1 $\Delta$	DO7
3883a $\emptyset$	1N979A	50.4	61.6	10 $\emptyset$	2.2	2000	.25	500	.090	175A		S1 $\Delta$	DO7
3884	1N1369	50.4	61.6	10 $\emptyset$	150	9.0	150	10W		175A		S1 $\Delta$	S11
3885	1N1789	50.4	61.6	10 $\emptyset$	15	88	15	1000		175A		S1 $\Delta$	A31
3886	1N1831 $\emptyset$	50.4	61.6	10	150	9.0	150	10W	.10	150A	N	S1 $\Delta$	S19a $\Delta$
3887	1N1831C $\emptyset$	50.4	61.6	10	150	9.0	150	10W	.10	150A		S1 $\Delta$	
3887a $\emptyset$	1N2832A	50.4	61.6	10 $\emptyset$	220	6.0	220	50W	.090	175J		S1 $\Delta$	C5a
3887b $\emptyset$	1N2999A	50.4	61.6	10 $\emptyset$	45	16	45	10W	.090	175J		S1	DO4 $\Delta$
3887c $\emptyset$	1N3038A	50.4	61.6	10 $\emptyset$	4.5	110	4.5	1000	.090	175J		S1	A31a
3888#	1S511	50.4	61.6	10 $\emptyset$	100	11	100	8.0W	.08	150A		S1 $\Delta$	
3888a	1T56	50.4	61.6	10	15	88		1000				S1	A6a
3888b $\emptyset$	2Z56T10	50.4	61.6	10 $\emptyset$	2.0	320	2.0	2000		200A		S1	S36
3888c $\emptyset$	EEZ56T10-1	50.4	61.6	10 $\emptyset$	2.0	320	2.0	750		200A		S1	A10
3888d*#	KR57	50.4	61.6	10	50	11	50	8000	.10	135A		S1 $\Delta$	S39 $\Delta$
3888e $\emptyset$	SEZ56T10	50.4	61.6	10 $\emptyset$	1.0	640	1.0	500		200A		S1	P5
3888f*	SS56Z	50.4	61.6	10 $\emptyset$	12	108	12	750		175A		S1 $\Delta$	A21c
3888g	ZB56	50.4	61.6	10	3.0	75	3.0	750	.095	175A		S1	A33
3888h	ZG56	50.4	61.6	10	4.0	45	4.0	3500	.095	175C		S1	S4a
3888j	ZK56	50.4	61.6	10	35	27	35	10W	.095	175C		S1	S19
3888k	ZT56	50.4	61.6	10	4.0	45	4.0	1000	.095	175A		S1	A34
3888m $\emptyset$	AV2052	50.96	53.04	2.0	5.0	107	5.0	1000		150A		S1	A19
3888n $\emptyset$	AV4052	50.96	53.04	2.0	5.0	107	5.0	3000		150A		S1	S10
3888p $\emptyset$	AV8052	50.96	53.04	2.0	5.0	107	5.0	10W		150A		S1	S11
3889	1N1885	51	62	10	8.0	30	15	1000	.075	200S		S1 $\Delta$	
3890	1N1901	51	62	10	8.0	30	15	10W	.075	200S		S1 $\Delta$	
3891	1N1941	51	62	10	.20	700	2.0	250	.10	150A		S1 $\emptyset$	
3893	1N1995	51	62	10	.20	700	2.0	150	.10	150		S1 $\emptyset$	
3893a#	1S5056	51	62	10	50	10	50	8.0	.10	150C		S1 $\Delta$	$\Delta$
3893b#	1S5056C	51	62	10	50	10	50	8.0	.10	150C		S1 $\Delta$	
3893c $\emptyset$ #	DZ56A	51	62	10	3.6	180	3.6	500	.090			S1	
3893d	HZ56	51	62	10	18	8.0	18	5000	.06	165B		S1	
3893e#	PZ56A	51	62	10 $\emptyset$	36	24	36	10W	.10	125B		S1	
3893f $\emptyset$ #	RZ56A	51	62	10	68	18	68	20W	.090			S1	
3893g $\emptyset$	AV2053	51.94	54.06	2.0	5.0	107	5.0	1000		150A		S1	A19
3893h $\emptyset$	AV4053	51.94	54.06	2.0	5.0	107	5.0	3000		150A		S1	S10
3893j $\emptyset$	AV8053	51.94	54.06	2.0	5.0	107	5.0	10W		150A		S1	S11
3893k	AA13 $\emptyset$	52	62	10 $\emptyset$	.20			150		150A		S1	C1
3893m	AV13	52	62	10 $\emptyset$	5.0	107	5.0	1000		150A		S1	A19
3893n	AV113	52	62	10 $\emptyset$	50	12	50	10W		150A		S1	S11
3893p	AV313	52	62	10 $\emptyset$	15	28	15	3000		150A		S1	S10 $\Delta$
3893q	AZ13	52	62	10 $\emptyset$	.20			150		150A		S1	C1
3893r	1N235	52	64	10 $\emptyset$	.20					200A		S1	
3894	1N1323	52	64	10	.20					150A		S1*	C1
3894a	PS6323	52	64	10	.20			500		200A		S1	
3894b $\emptyset$	AV2054	52.92	55.08	2.0	5.0	107	5.0	1000		150A		S1	A19
3895 $\emptyset$	AV4054	52.92	55.08	2.0	5.0	107	5.0	3000		150A		S1	S10
3895a $\emptyset$	AV8054	52.92	55.08	2.0	5.0	107	5.0	10W		150A		S1	S11
3895b	1N1369A	53.2	58.8	5.0	150	9.0	150	10W	.10	175A		S1 $\Delta$	DO4
3896	1N1831A $\emptyset$	53.2	58.8	5.0	150	9.0	150	10W	.10	150A		S1 $\Delta$	DO4 $\Delta$
3896a $\emptyset$	1N2999B	53.2	58.8	5.0	45	16*	45	10W		175J	A	S1	DO4 $\Delta$
3896b	GLZ56BCA	53.2	58.8	5.0	1.1	230	1.1	250	.090			S1 $\Delta$	DO7
3896c	MZ56BDA	53.2	58.8	5.0	45	16	45	10W	.090	175J		S1 $\Delta$	DO4 $\Delta$
3896d	ZB56A	53.2	58.8	5.0	3.0	75	3.0	750	.095	175A		S1	A33
3896e	ZG56A	53.2	58.8	5.0	4.0	45	4.0	3500	.095	175C		S1	S4a
3896f	ZK56A	53.2	58.8	5.0	35	27	35	10W	.095	175C		S1	S19
3896g	ZT56A	53.2	58.8	5.0	4.0	45	4.0	1000	.095	175A		S1	A34
3897#	1S5056A	53.4	58.8	5.0	50	10	50	8.0	.10	150C		S1 $\Delta$	$\Delta$
3897a $\emptyset$	VR67	53.6	80.4	20 $\emptyset$	2.0	67*	2.0	1000	.095	125C		S1	A51
3897b $\emptyset$	AV2055	53.9	56.1	2.0	5.0	107	5.0	1000		150A		S1	A19
3897c $\emptyset$	AV4055	53.9	56.1	2.0	5.0	107	5.0	3000		150A		S1	S10
3897d $\emptyset$	AV8055	53.9	56.1	2.0	5.0	107	5.0	10W		150A		S1	S11
3897e	1/4M68Z	54.4	81.6	20 $\emptyset$	.92	350	.92	250	.090	175J		S1	A22a

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>z</sub> (ma)	Z (ohms)	@ I <sub>z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3897f	3/4M68Z	54.4	81.6	20%	3.7	150	3.7	750	.09	175C		S1	A31a
3897g	3/4Z68D	54.4	81.6	20%	3.7	150	3.7	750	.090	175J		S1Δ	A31a
3897h	1N981	54.4	81.6	20%	1.8	230	1.8	400	.090	175J		S1Δ	DO7
3897j	1N2834	54.4	81.6	20%	180	8.0	180	50W	.09	175J		S1Δ	C5a
3897k	1N3001	54.4	81.6	20%	37	18	37	10W	.090	175J		S1	DO4Δ
3897m	1N3040	54.4	81.6	20%	3.7	150	3.7	1000	.09	175J		S1	A31a
3897n	1Z68D	54.4	81.6	20%	3.7	150	3.7	1000	.090	175J		S1Δ	A6b
3897p	1.5M68Z	54.4	81.6	20%	5.5	95	5.5	1.5W	.09	175C		S1	C14
3898	1.5Z68D	54.4	81.6	20%	5.5	95	5.5	1500	.090	175J		S1Δ	C12
3898a	10Z68D	54.4	81.6	20%	37	18	37	10W	.090	175J		S1Δ	S4aΔ
3898b	AV2056	54.88	57.12	2.0	5.0	107	5.0	1000		150A		S1	A19
3898c	AV4056	54.88	57.12	2.0	5.0	107	5.0	3000		150A		S1	S10
3898d	AV8056	54.88	57.12	2.0	5.0	107	5.0	10W		150A		S1	S11
3900	SV4056	54.88	57.12	2.0	.50	1000	5.0	500	.09	150A		S1	
3901	SV4056A	55.44	56.56	1.0	.50	1000	5.0	500	.09	150A		S1	
3901a	1C62Z	55.8	68.2	10%	5.0	105	5.0	1000		175A		S1Δ	
3902	1N733	55.8	68.2	10%	2.0	170	2.0	250		175A		S1Δ	DO7
3902a	1N980A	55.8	68.2	10%	2.0	2000	.25	500	.090	175A		S1Δ	DO7
3903	1N1370	55.8	68.2	10	50	12	50	10W		175A		S1Δ	S11
3904	1N1790	55.8	68.2	10	5.0	105	5.0	1000		175A		S1Δ	A31
3905	1N1832 ∅	55.8	68.2	10	50	12	50	10W	.10	150A	N	S1Δ	S19aΔ
3906	1N1832C ∅	55.8	68.2	10	50	12	50	10W	.10	150A		S1Δ	
3906a	1N2833A	55.8	68.2	10%	200	7.0	200	50W	.090	175J		S1Δ	C5a
3906b	1N3000A	55.8	68.2	10%	40	17	40	10W	.090	175J		S1	DO4Δ
3906c	1N3039A	55.8	68.2	10%	4.0	125	4.0	1000	.090	175J		S1	A31a
3906d	1T62	55.8	68.2	10	5.0	105		1000		175A		S1	A6a
3906e*	SS62Z	55.8	68.2	10%	5.0	135	5.0	600		175A		S1Δ	A21c
3906f	ZB62	55.8	68.2	10	2.0	90	2.0	750	.095	175A		S1	A33
3906g	ZG62	55.8	68.2	10	4.0	55	4.0	3500	.095	175C		S1	S4a
3906h	ZK62	55.8	68.2	10	30	33	30	10W	.095	175C		S1	S19
3906j	ZT62	55.8	68.2	10	4.0	55	4.0	1000	.095	175A		S1	A34
3906k	AV2057	55.86	58.14	2.0	5.0	107	5.0	1000		150A		S1	A19
3906m	AV4057	55.86	58.14	2.0	5.0	107	5.0	3000		150A		S1	S10
3906n	AV8057	55.86	58.14	2.0	5.0	107	5.0	10W		150A		S1	S11
3906p	PS1507	56	61.6	5.0	10	105	10	250	.002	150A		S1	A48h
3906c	PS1507A	56	61.6	5.0	10	105	10	250	.001	150A		S1	A48h
3907#	1S5062	56	68	10	50	15	50	8.0	.10	150C		S1Δ	Δ
3907a#	1S5062C	56	68	10	50	15	50	8.0	.10	150C		S1Δ	
3907b	AV2058	56.84	59.16	2.0	5.0	107	5.0	1000		150A		S1	A19
3907c	AV4058	56.84	59.16	2.0	5.0	107	5.0	3000		150A		S1	S10
3907d	AV8058	56.84	59.16	2.0	5.0	107	5.0	10W		150A		S1	S11
3907e#	1S512	57.8	68.2	10%	50	14	50	8.0W	.08	150A		S1Δ	
3907f	AV2059	57.82	60.18	2.0	5.0	107	5.0	1000		150A		S1	A19
3907g	AV4059	57.82	60.18	2.0	5.0	107	5.0	3000		150A		S1	S10
3907h	AV8059	57.82	60.18	2.0	5.0	107	5.0	10W		150A		S1	S11
3907j	3Z60T20	58	72	20%	2.0	720	2.0	1000		200A		S1	A9
3907k	4Z60T20	58	72	20%	2.0	750	2.0	2000		200A		S1	S36
3907m	ECZ60T20-1	58	72	20%	2.0	720	2.0	750		200A		S1	A10
3907n	ECZ60T20-2	58	72	20%	1.0	720	1.0	400		200A		S1	A11
3907p	SCZ60T20	58	72	20%	1.0	720	1.0	500		200A		S1	P5
3907q	AV2060	58.8	61.2	2.0	5.0	107	5.0	1000		150A		S1	A19
3907r	AV4060	58.8	61.2	2.0	5.0	107	5.0	3000		150A		S1	S10
3907s	AV8060	58.8	61.2	2.0	5.0	107	5.0	10W		150A		S1	S11
3907t#	1S5062A	58.8	64.8	5.0	50	15	50	8.0	.10	150C		S1Δ	Δ
3907u	1N1370A	58.9	65.1	5.0	50	12	50	10W	.10	175A		S1Δ	DO4
3908	1N1832A ∅	58.9	65.1	5.0	50	12	50	10W	.10	150A		S1Δ	DO4
3908a	1N3000B	58.9	65.1	5.0	40	17*	40	10W		175J	A	S1	DO4Δ
3909	GLZ62BCA	58.9	65.1	5.0	1.0	290	1.0	250	.090			S1Δ	DO7
3909a	MZ62BDA	58.9	65.1	5.0	40	17	40	10W	.090	175J		S1Δ	DO4Δ
3909b	ZB62A	58.9	65.1	5.0	2.0	90	2.0	750	.095	175A		S1	A33
3909c	ZG62A	58.9	65.1	5.0	4.0	55	4.0	3500	.095	175C		S1	S4a
3909d	ZK62A	58.9	65.1	5.0	30	33	30	10W	.095	175C		S1	S19
3909e	ZT62A	58.9	65.1	5.0	4.0	55	4.0	1000	.095	175A		S1	A34

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SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)



LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.

LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>z</sub> (ma)	Z (ohms)	@ I <sub>z</sub> (ma)				S T A T U S	MAT.	DWG. No.
3909f	AV2061	59.78	62.22	2.0	5.0	107	5.0	1000		150A		S1	A19
3909g	AV4061	59.78	62.22	2.0	5.0	107	5.0	3000		150A		S1	S10
3909h	AV8061	59.78	62.22	2.0	5.0	107	5.0	10W		150A		S1	S11
3909j	1/4M75Z	60	90	20	.83	450	.83	250	.090	175J		S1	A22a
3909k	3/4M75Z	60	90	20	3.3	175	3.3	750	.09	175C		S1	A31a
3909m	3/4Z75D	60	90	20	3.3	175	3.3	750	.090	175J		S1Δ	A31a
3909n	1N982	60	90	20	1.7	270	1.7	400	.090	175J		S1Δ	DO7
3909p	1N2835	60	90	20	170	9.0	170	50W	.09	175J		S1Δ	C5a
3909q	1N9802	60	90	20	33	22	33	10W	.090	175J		S1	DO4Δ
3909r	1N3041	60	90	20	3.3	175	3.3	1000	.09	175J		S1	A31a
3910	1Z75D	60	90	20	3.3	175	3.3	1000	.090	175J		S1Δ	A6b
3911	1.5M75Z	60	90	20	5.0	110	5.0	1.5W	.09	175C		S1	C14
3911a	1.5Z75D	60	90	20	5.0	110	5.0	1500	.090	175J		S1Δ	C12
3911b	10Z75D	60	90	20	33	22	33	10W	.090	175J		S1Δ	S4aΔ
3911c	AV2062	60.76	63.24	2.0	5.0	107	5.0	1000		150A		S1	A19
3911d	AV4062	60.76	63.24	2.0	5.0	107	5.0	3000		150A		S1	S10
3911e	AV8062	60.76	63.24	2.0	5.0	107	5.0	10W		150A		S1	S11
3911f	1C68Z	61.2	74.8	10	5.0	125	5.0	1000		175A		S1Δ	
3912	1N734	61.2	74.8	10	2.0	200	2.0	250		175A		S1Δ	DO7
3912a	1N981A	61.2	74.8	10	1.8	2000	.25	500	.090	175A		S1Δ	DO7
3913	1N1371	61.2	74.8	10	50	14	50	10W		175A		S1Δ	S11
3916	1N1791	61.2	74.8	10	5.0	125	5.0	1000		175A		S1Δ	A31
3917	1N1833	61.2	74.8	10	50	14	50	10W	.10	150A	N	S1Δ	S19aΔ
3918	1N1833C	61.2	74.8	10	50	14	50	10W	.10	150A		S1Δ	
3918a	1N2834A	61.2	74.8	10	180	8.0	180	50W	.090	175J		S1Δ	C5a
3918b	1N3001A	61.2	74.8	10	37	18	37	10W	.090	175J		S1	DO4Δ
3918c	1N3040A	61.2	74.8	10	3.7	150	3.7	1000	.090	175J		S1	A31a
3919#	1S513	61.2	74.8	10	50	16	50	8.0W	.08	150A		S1Δ	
3919a	1T68	61.2	74.8	10	5.0	125	5.0	1000		1000		S1	A6a
3919b	2Z68T10	61.2	74.8	10	2.0	400	2.0	2000		200A		S1	S36
3919c	EEZ68T10-1	61.2	74.8	10	2.0	400	2.0	750		200A		S1	A10
3919d#	KR58	61.2	74.8	10	50	14	50	8000	.10	135A		S1Δ	S39Δ
3919e	SEZ68T10	61.2	74.8	10	1.0	800	1.0	500		200A		S1	P5
3919f*	SS68Z	61.2	74.8	10	5.0	155	5.0	750		175A		S1Δ	A21c
3919g	ZB68	61.2	74.8	10	2.0	100	2.0	750	.095	175A		S1	A33
3919h	ZG68	61.2	74.8	10	3.0	70	3.0	3500	.095	175C		S1	S4a
3919j	ZK68	61.2	74.8	10	30	40	30	10W	.095	175C		S1	S19
3919k	ZT68	61.2	74.8	10	3.0	70	3.0	1000	.095	175A		S1	A34
3919m	AV2063	61.74	64.26	2.0	5.0	155	5.0	1000		150A		S1	A19
3919n	AV4063	61.74	64.26	2.0	5.0	155	5.0	3000		150A		S1	S10
3919p	AV8063	61.74	64.26	2.0	5.0	155	5.0	10W		150A		S1	S11
3920	1N1886	62	75	10	3.0	35	7.5	1000	.080	200S		S1Δ	
3921	1N1902	62	75	10	3.0	35	7.5	10W	.080	200S		S1Δ	
3922	1N1942	62	75	10	.20	900	1.0	250	.11	150A		S1	
3924	1N1996	62	75	10	.20	900	1.0	150	.11	150		S1	
3924a#	1S5068	62	75	10	50	15	50	8.0	.10	150C		S1Δ	Δ
3924b#	1S5068C	62	75	10	50	15	50	8.0	.10	150C		S1Δ	
3924c	AA14	62	75	10	.20	150		150		150A		S1	C1
3924d	AV14	62	75	10	5.0	155	5.0	1000		150A		S1	A19
3924e	AV114	62	75	10	50	.21	50	10W		150A		S1	S11
3924f	AV314	62	75	10	15	34	15	3000		150A		S1	S10Δ
3924g	AZ14	62	75	10	.20			150		150A		S1	C1
3924h#	DZ68A	62	75	10	3.0	240	3.0	500	.090	150A		S1	
3925	HZ68	62	75	10	75	60	14	5000	.065	165B		S1	
3925a#	PZ68A	62	75	10	30	26	30	10W	.10	125B		S1	
3925b#	RZ68A	62	75	10	56	24	56	20W	.090			S1	
3926	1N1324	62	80	13	.20			150		150A		S1*	C1
3927	PS6324	62	80	13	.20			500		200A		S1	
3927a	AV2064	62.72	65.28	2.0	5.0	155	5.0	1000		150A		S1	A19
3927b	AV4064	62.72	65.28	2.0	5.0	155	5.0	3000		150A		S1	S10
3927c	AV8064	62.72	65.28	2.0	5.0	155	5.0	10W		150A		S1	S11
3927d	AV2065	63.7	66.3	2.0	5.0	155	5.0	1000		150A		S1	A19
3927e	AV4065	63.7	66.3	2.0	5.0	155	5.0	3000		150A		S1	S10

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



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LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>z</sub> (ma)	Z (ohms)	@ I <sub>z</sub> (ma)				STATUS	MAT.	DWG. No.
3927f $\emptyset$	AV8065	63.7	66.3	2.0	5.0	155	5.0	10W		150A		S1	S11
3927g $\emptyset$	PS1508	64	70.4	5.0	10	120	10	250	.002	150A		S1	A48j
3927h $\emptyset$	PS1508A	64	70.4	5.0	10	120	10	250	.001	150A		S1	A48j
3927j $\emptyset$	VR80	64	96	20 $\emptyset$	2.0	80*	2.0	1000	.10	125C		S1	A51
3928*	1N670	64.6	71.4	5.0	1.0	290	1.0	400	.09	200	A	S1	
3928b	1N1371A	64.6	71.4	5.0	50	14	50	10W	.10	175A		S1 $\Delta$	DO4
3928c*	1N1422	64.6	71.4	5.0	20	15	20	10W	.09	175	A	S1	
3928d*	1N1431	64.6	71.4	5.0	2.0	150	2.0	1000	.09	200	A	S1	
3929	1N1833A $\emptyset$	64.6	71.4	5.0	50	14	50	10W	.10	150A		S1 $\Delta$	$\Delta$
3929a $\emptyset$	1N3001B	64.6	71.4	5.0	37	18*	37	10W		175J	A	S1	DO4 $\Delta$
3930a	GLZ68BCA	64.6	71.4	5.0	.92	350	.92	250	.090			S1 $\Delta$	DO7
3930b	MZ68BDA	64.6	71.4	5.0	37	18	37	10W	.090	175J		S1 $\Delta$	DO4 $\Delta$
3930c	ZB68A	64.6	71.4	5.0	2.0	100	2.0	750	.095	175A		S1	A33
3930d	ZG68A	64.6	71.4	5.0	3.0	70	3.0	3500	.095	175C		S1	S4a
3930e	ZK68A	64.6	71.4	5.0	30	40	30	10W	.095	175C		S1	S19
3930f	ZT68A	64.6	71.4	5.0	3.0	70	3.0	1000	.095	175A		S1	A34
3930g $\emptyset$	AV2066	64.68	67.32	2.0	5.0	155	5.0	1000		150A		S1	A19
3930h $\emptyset$	AV4066	64.68	67.32	2.0	5.0	155	5.0	3000		150A		S1	S10
3930j $\emptyset$	AV8066	64.68	67.32	2.0	5.0	155	5.0	10W		150A		S1	S11
3930k#	1S5068A	64.8	71.3	5.0	50	15	50	8.0	.10	150C		S1 $\Delta$	$\Delta$
3930m	1/4M82Z	65.6	98.4	20 $\emptyset$	.76	550	.76	250	.090	175J		S1	A22a
3930n	3/4M82Z	65.6	98.4	20 $\emptyset$	3.0	200	3.0	750	.09	175C		S1	A31a
3930p	3/4Z82D	65.6	98.4	20 $\emptyset$	3.0	200	3.0	750	.090	175J		S1 $\Delta$	A31a
3930q	1N983	65.6	98.4	20 $\emptyset$	1.5	330	1.5	400	.090	175J		S1 $\Delta$	DO7
3930r	1N2836	65.6	98.4	20 $\emptyset$	150	11	150	50W	.09	175J		S1 $\Delta$	C5a
3930s	1N3003	65.6	98.4	20 $\emptyset$	30	25	30	10W	.090	175J		S1	DO4 $\Delta$
3930t	1N3042	65.6	98.4	20 $\emptyset$	3.0	200	3.0	1000	.09	175J		S1	A31a
3930u	1Z82D	65.6	98.4	20 $\emptyset$	3.0	200	3.0	1000	.090	175J		S1 $\Delta$	A6b
3930v	1.5M82Z	65.6	98.4	20 $\emptyset$	4.5	130	4.5	1.5W	.09	175C		S1	C14
3930w	1.5Z82D	65.6	98.4	20 $\emptyset$	4.5	130	4.5	1500	.090	175J		S1 $\Delta$	C12
3930x	10Z82D	65.6	98.4	20 $\emptyset$	30	25	30	10W	.090	175J		S1 $\Delta$	S4a $\Delta$
3931 $\emptyset$	AV2067	65.66	68.34	2.0	5.0	155	5.0	1000		150A		S1	A19
3932 $\emptyset$	AV4067	65.66	68.34	2.0	5.0	155	5.0	3000		150A		S1	S10
3932a $\emptyset$	AV8067	65.66	68.34	2.0	5.0	155	5.0	10W		150A		S1	S11
3932b $\emptyset$	AV2068	66.64	69.36	2.0	5.0	155	5.0	1000		150A		S1	A19
3932c $\emptyset$	AV4068	66.64	69.36	2.0	5.0	155	5.0	3000		150A		S1	S10
3932d $\emptyset$	AV8068	66.64	69.36	2.0	5.0	155	5.0	10W		150A		S1	S11
3933	SV4068	66.64	69.36	2.0	.50	1300	5.0	500	.09	150A		S1	
3934	SV4068A	67.32	68.68	1.0	.50	1300	5.0	500	.09	150A		S1	
3934a	1C75Z	67.5	82.5	10 $\emptyset$	5.0	150	5.0	1000		175A		S1 $\Delta$	
3935	1N735	67.5	82.5	10 $\emptyset$	2.0	240	2.0	250		175A		S1 $\Delta$	DO7
3935a $\emptyset$	1N982A	67.5	82.5	10 $\emptyset$	1.7	2000	.25	500	.090	175A		S1 $\Delta$	DO7
3936	1N1372	67.5	82.5	10	50	20	50	10W		175A		S1 $\Delta$	S11
3937	1N1792	67.5	82.5	10	5.0	150	5.0	1000		175A		S1 $\Delta$	A31
3938	1N1834 $\emptyset$	67.5	82.5	10	50	20	50	10W	.11	150A	N	S1 $\Delta$	S19a $\Delta$
3939	1N1834C $\emptyset$	67.5	82.5	10	50	20	50	10W	.11	150A		S1 $\Delta$	
3939a $\emptyset$	1N2835A	67.5	82.5	10 $\emptyset$	170	9.0	170	50W	.090	175J		S1 $\Delta$	C5a
3939b $\emptyset$	1N3002A	67.5	82.5	10 $\emptyset$	33	22	33	10W	.090	175J		S1	DO4 $\Delta$
3939c $\emptyset$	1N3041A	67.5	82.5	10 $\emptyset$	3.3	175	3.3	1000	.090	175J		S1	A31a
3939d#	1S514	67.5	82.5	10 $\emptyset$	50	24	50	8.0W	.08	150A		S1 $\Delta$	
3939e	1T75	67.5	82.5	10	5.0	150		1000				S1	A6a
3939f*	SS75Z	67.5	82.5	10 $\emptyset$	5.0	10	5.0	750		175A		S1 $\Delta$	A21a
3940a	ZB75	67.5	82.5	10	2.0	120	2.0	750	.095	175A		S1	A33
3940b	ZG75	67.5	82.5	10	3.0	85	3.0	3500	.095	175C		S1	S4a
3940c	ZK75	67.5	82.5	10	25	50	25	10W	.095	175C		S1	S19
3940d	ZT75	67.5	82.5	10	3.0	85	3.0	1000	.095	175A		S1	A34
3940e $\emptyset$	AV2069	67.62	70.38	2.0	5.0	155	5.0	1000		150A		S1	A19
3940f $\emptyset$	AV4069	67.62	70.38	2.0	5.0	155	5.0	3000		150A		S1	S10
3940g $\emptyset$	AV8069	67.62	70.38	2.0	5.0	155	5.0	10W		150A		S1	S11
3940h#	1S5075	68	82	10	50	30	50	8.0	.11	150C		S1 $\Delta$	$\Delta$
3940j#	1S5075C	68	82	10	50	30	50	8.0	.11	150C		S1 $\Delta$	
3940k $\emptyset$	AV2070	68.6	71.4	2.0	5.0	155	5.0	1000		150A		S1	A19
3940m $\emptyset$	AV4070	68.6	71.4	2.0	5.0	155	5.0	3000		150A		S1	S10

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3940nØ	AV8070	68.6	71.4	2.0	5.0	155	5.0	10W		150A	S1	S11	
3940pØ	AV2071	69.58	72.42	2.0	5.0	155	5.0	1000		150A	S1	A19	
3940qØ	AV4071	69.58	72.42	2.0	5.0	155	5.0	3000		150A	S1	S10	
3940rØ	AV8071	69.58	72.42	2.0	5.0	155	5.0	10W		150A	S1	S11	
3940sØ	AV2072	70.56	73.44	2.0	5.0	155	5.0	1000		150A	S1	A19	
3940tØ	AV4072	70.56	73.44	2.0	5.0	155	5.0	3000		150A	S1	S10	
3940uØ	AV8072	70.56	73.44	2.0	5.0	155	5.0	10W		150A	S1	S11	
3940v	1N1372A	71.2	78.8	5.0	50	20	50	10W	.11	175A	S1Δ	DO4	
3940w	GLZ75BCA	71.2	78.8	5.0	.83	450	.83	250	.090		S1Δ	DO7	
3940x	MZ75BDA	71.2	78.8	5.0	33	22	33	10W	.090	175J	S1Δ	DO4Δ	
3940yØ	1N3002B	71.25	78.35	5.0	33	22*	33	10W		175J	A S1	DO4Δ	
3941#	1S5075A	71.3	78.3	5.0	50	30	50	8.0	.11	150C	S1Δ	Δ	
3942	1N1834A Ø	71.3	78.8	5.0	50	20	50	10W	.11	150A	S1Δ	DO4	
3942a	ZB75A	71.3	78.8	5.0	2.0	120	2.0	750	.095	175A	S1	A33	
3942b	ZG75A	71.3	78.8	5.0	3.0	85	3.0	3500	.095	175C	S1	S4a	
3942c	ZK75A	71.3	78.8	5.0	25	50	25	10W	.095	175C	S1	S19	
3942d	ZT75A	71.3	78.8	5.0	2.0	85	2.0	1000	.095	175A	S1	A34	
3942eØ	AV2073	71.54	74.46	2.0	5.0	155	5.0	1000		150A	S1	A19	
3942fØ	AV4073	71.54	74.46	2.0	5.0	155	5.0	3000		150A	S1	S10	
3942gØ	AV8073	71.54	74.46	2.0	5.0	155	5.0	10W		150A	S1	S11	
3942hØ	PS1509	72	79.2	5.0	10	135	10	250	.002	150A	S1	A48k	
3942jØ	PS1509A	72	79.2	5.0	10	135	10	250	.001	150A	S1	A48k	
3942kØ	3Z90T20	72	108	20Ø	2.0	1100	2.0	1000		200A	S1	A9	
3942mØ	4Z90T20	72	108	20Ø	2.0	1100	2.0	2000		200A	S1	S36	
3942nØ	ECZ90T20-1	72	108	20Ø	2.0	1100	2.0	750		200A	S1	A10	
3942pØ	ECZ90T20-2	72	108	20Ø	1.0	1100	1.0	400		200A	S1	A11	
3942qØ	SCZ90T20	72	108	20Ø	1.0	1100	1.0	500		200A	S1	P5	
3942rØ	VR90	72	108	20Ø	1.0	90*	1.0	1000	.10	125C	S1	A51	
3942sØ	AV2074	72.52	75.48	2.0	5.0	155	5.0	1000		150A	S1	A19	
3942tØ	AV4074	72.52	75.48	2.0	5.0	155	5.0	3000		150A	S1	S10	
3942uØ	AV8074	72.52	75.48	2.0	5.0	155	5.0	10W		150A	S1	S11	
3943	1/4M91Z	72.8	109	20Ø	.69	700	.69	250	.090	175J	S1	A22a	
3944a	3/4M91Z	72.8	109	20Ø	2.8	250	2.8	750	.09	175C	S1	A31a	
3944b	1N2837	72.8	109	20Ø	140	15	140	50W	.12	175J	S1		
3944c	1N3043	72.8	109	20Ø	2.8	250	2.8	1000	.09	175J	S1	A31a	
3944d	1.5M91Z	72.8	109.2	20Ø	4.1	150	4.1	1.5W	.09	175C	S1	C14	
3944e	3/4Z91D	73	109	20Ø	2.8	250	2.8	750	.090	175J	S1Δ	A31a	
3944f	1Z91D	73	109	20Ø	2.8	250	2.8	1000	.090	175J	S1Δ	A6b	
3944g	1.5Z91D	73	109	20Ø	4.1	150	4.1	1500	.090	175J	S1Δ	C12	
3944h	10Z91D	73	109	20Ø	28	35	28	10W	.090	175J	S1Δ	S4aΔ	
3944jØ	AV2075	73.5	76.5	2.0	5.0	155	5.0	1000		150A	S1	A19	
3944kØ	AV4075	73.5	76.5	2.0	5.0	155	5.0	3000		150A	S1	S10	
3944mØ	AV8075	73.5	76.5	2.0	5.0	155	5.0	10W		150A	S1	S11	
3945	SV4075	73.50	76.50	2.0	.50	1600	5.0	500	.09	150A	S1		
3945bØ	1C82Z	73.8	90.2	10Ø	5.0	175	5.0	1000		175A	S1Δ		
3946	1N736	73.8	90.2	10Ø	2.0	280	2.0	250		175A	S1Δ	DO7	
3946aØ	1N983A	73.8	90.2	10Ø	1.5	3000	.25	500	.090	175A	S1Δ	DO7	
3947	1N1373	73.8	90.2	10	50	22	50	10W		175A	S1Δ	S11	
3948	1N1793	73.8	90.2	10	5.0	175	5.0	1000		175A	S1Δ	A31	
3949	1N1835 Ø	73.8	90.2	10	50	22	50	10W	.11	150A	N S1Δ	S19aΔ	
3950	1N1835C Ø	73.8	90.2	10	50	22	50	10W	.11	150A	S1Δ		
3950aØ	1N2836A	73.8	90.2	10Ø	150	11	150	50W	.090	175J	S1Δ	C5a	
3950bØ	1N3003A	73.8	90.2	10Ø	30	25	30	10W	.090	175J	S1	DO4Δ	
3950cØ	1N3042A	73.8	90.2	10Ø	3.0	200	3.0	1000	.090	175J	S1	A31a	
3950d#	1S515	73.8	90.2	10Ø	50	26	50	8.0W	.08	150A	S1Δ		
3950e	1T82	73.8	90.2	10	5.0	175		1000			S1	A6a	
3950fØ	2Z82T10	73.8	90.2	10Ø	2.0	480	2.0	2000		200A	S1	S36	
3950gØ	EEZ82T10-1	73.8	90.2	10Ø	2.0	480	2.0	750		200A	S1	A10	
3951#*	KR59	73.8	90.2	10	50	20	50	8000	.11	135A	S1Δ	S39Δ	
3951aØ	SEZ82T10	73.8	90.2	10Ø	1.0	960	1.0	500		200A	S1	P5	
3951b*	SS82Z	73.8	90.2	10Ø	5.0	215	5.0	750		175A	S1Δ	A21c	
3951c	ZB82	73.8	90.2	10	2.0	140	2.0	750	.095	175A	S1	A33	
3951d	ZG82	73.8	90.2	10	3.0	100	3.0	3500	.095	175C	S1	S4a	

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3951e	ZK82	73.8	90.2	10	25	60	25	10W	.095	175C		S1	S19
3951f	ZT82	73.8	90.2	10	3.0	100	2.0	1000	.095	175A		S1	A34
3952	SV4075A	74.25	75.75	1.0	.50	1600	5.0	500	.09	150A		S1	
3952a∅	AV2076	74.48	77.52	2.0	5.0	155	5.0	1000		150A		S1	A19
3952b∅	AV4076	74.48	77.52	2.0	5.0	155	5.0	3000		150A		S1	S10
3952c∅	AV8076	74.48	77.52	2.0	5.0	155	5.0	10W		150A		S1	S11
3952d	AA15 ∅	75	90	10∅	.20			150		150A		S1	C1
3952e	AV15	75	90	10∅	5.0	220	5.0	1000		150A		S1	A19
3952f	AV115	75	90	10∅	50	35	50	10W		150A		S1	S11
3952g	AV315	75	90	10∅	15	40	15	3000		150A		S1	S10Δ
3952h	AZ15	75	90	10∅	.20			150		150A		S1	C1
3953	1N1887	75	91	10	3.0	45	7.5	1000	.086	200S		S1Δ	
3954	1N1903	75	91	10	3.0	45	7.5	10W	.086	200S		S1Δ	
3955	1N1943	75	91	10	.20	1200	1.0	250	.11	150A		S1∅	
3957	1N1997	75	91	10	.20	1200	1.0	150	.11	150		S1∅	
3957a#	1S5082	75	91	10	50	30	50	8.0	.11	150C		S1Δ	Δ
3957b#	1S5082C	75	91	10	50	30	50	8.0	.11	150C		S1Δ	
3957c∅#	DZ82A	75	91	10	2.4	330	2.4	500	.090			S1	
3957d#	PZ82A	75	91	10∅	24	28	24	10W	.10	125B		S1	
3957e∅#	RZ82A	75	91	10	47	33	47	20W	.090			S1	
3958	1N1325	75	100	15	.20			150		150A		S1*	C1
3959	PS6325	75	100	15	.20			500		200A		S1	
3960#	OA129	75	145		.10			250		175		S1	
3960a∅	AV2077	75.46	78.54	2.0	5.0	155	5.0	1000		150A		S1	A19
3960b∅	AV4077	75.46	78.54	2.0	5.0	155	5.0	3000		150A		S1	S10
3960c∅	AV8077	75.46	78.54	2.0	5.0	155	5.0	10W		150A		S1	S11
3960d∅	AV2078	76.44	79.56	2.0	5.0	220	5.0	1000		150A		S1	A19
3960e∅	AV4078	76.44	79.56	2.0	5.0	220	5.0	3000		150A		S1	S10
3960f∅	AV8078	76.44	79.56	2.0	5.0	220	5.0	10W		150A		S1	S11
3960g∅	AV2079	77.42	80.58	2.0	5.0	220	5.0	1000		150A		S1	A19
3960h∅	AV4079	77.42	80.58	2.0	5.0	220	5.0	3000		150A		S1	S10
3960j∅	AV8079	77.42	80.58	2.0	5.0	220	5.0	10W		150A		S1	S11
3960k	1N984	77.8	109	20∅	1.4	400	1.4	400	.090	175J		S1Δ	DO7
3960m	1N3004	77.8	109	20∅	28	35	28	10W	.090	175J		S1	DO4Δ
3960n	1N1373A	77.9	86.1	5.0	50	22	50	10W	.11	175A		S1Δ	DO4
3961	1N1835A ∅	77.9	86.1	5.0	50	22	50	10W	.11	150A		S1Δ	DO4Δ
3961a∅	1N3003B	77.9	86.1	5.0	30	25*	30	10W		175J	A	S1	DO4Δ
3961b	GLZ82BCA	77.9	86.1	5.0	.76	550	.76	250	.090			S1Δ	DO7
3962	MZ82BDA	77.9	86.1	5.0	30	25	30	10W	.090	175J		S1Δ	DO4Δ
3962a	ZB82A	77.9	86.1	5.0	2.0	140	2.0	750	.095	175A		S1	A33
3962b	ZG82A	77.9	86.1	5.0	3.0	100	3.0	3500	.095	175C		S1	S4a
3962c	ZK82A	77.9	86.1	5.0	25	60	25	10W	.095	175C		S1	S19
3962d	ZT82A	77.9	86.1	5.0	3.0	100	3.0	1000	.095	175A		S1	A34
3962e#	1S5082A	78.3	86.3	5.0	50	30	50	8.0	.11	150C		S1Δ	Δ
3962f∅	AV2080	78.4	81.6	2.0	5.0	220	5.0	1000		150A		S1	A19
3962g∅	AV4080	78.4	81.6	2.0	5.0	220	5.0	3000		150A		S1	S10
3962h∅	AV8080	78.4	81.6	2.0	5.0	220	5.0	10W		150A		S1	S11
3962j∅	AV2081	79.38	82.62	2.0	5.0	220	5.0	1000		150A		S1	A19
3962k∅	AV4081	79.38	82.62	2.0	5.0	220	5.0	3000		150A		S1	S10
3962m∅	AV8081	79.38	82.62	2.0	5.0	220	5.0	10W		150A		S1	S11
3962n∅	PS1510	80	88	5.0	10	150	10	250	.002	150A		S1	A48m
3962p∅	PS1510A	80	88	5.0	10	150	10	250	.001	150A		S1	A48m
3962q	1/4M100Z	80	120	20∅	.63	900	.63	250	.090	175J		S1	A22a
3962r	3/4M100Z	80	120	20∅	2.5	350	2.5	750	.09	175C		S1	A31a
3962s	3/4Z100D	80	120	20∅	2.5	350	2.5	750	.090	175J		S1Δ	A31a
3962t	1N985	80	120	20∅	1.3	500	1.3	400	.090	175J		S1Δ	DO7
3962u	1N2838	80	120	20∅	120	20	120	50W	.095	175J		S1Δ	C5a
3962v	1N3005	80	120	20∅	25	40	25	10W	.090	175J		S1	DO4Δ
3962w	1N3044	80	120	20∅	2.5	350	2.5	1000	.09	175J		S1	A31a
3963	1Z100D	80	120	20∅	2.5	350	2.5	1000	.090	175J		S1Δ	A6b
3964	1.5M100Z	80	120	20∅	3.7	200	3.7	1.5W	.09	175C		S1	C14
3964a	1.5Z100D	80	120	20∅	3.7	200	3.7	1500	.090	175J		S1Δ	C12
3964b	10Z100D	80	120	20∅	25	40	25	10W	.090	175J		S1Δ	S4aΔ

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	STATUS	DESCRIPTION	
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)					MAT.	DWG. No.
3964c	AV2082	80.36	83.64	2.0	5.0	220	5.0	1000		150A		S1	A19
3964d	AV4082	80.36	83.64	2.0	5.0	220	5.0	3000		150A		S1	S10
3964e	AV8082	80.36	83.64	2.0	5.0	220	5.0	10W		150A		S1	S11
3965	1N1836 $\emptyset$	80.9	99.1	10	50	35	50	10W	.12	150A	N	S1 $\Delta$	S19a $\Delta$
3966	1N1836C $\emptyset$	80.9	99.1	10	50	35	50	10W	.12	150A		S1 $\Delta$	
3968	SV4082	81.18	82.82	1.0	.50	2000	5.0	500	.09	150A		S1	
3968a	AV2083	81.34	84.66	2.0	5.0	220	5.0	1000		150A		S1	A19
3968b	AV4083	81.34	84.66	2.0	5.0	220	5.0	3000		150A		S1	S10
3968c	AV8083	81.34	84.66	2.0	5.0	220	5.0	10W		150A		S1	S11
3968d	1C91Z	81.9	100	10 $\emptyset$	5.0	220	5.0	1000		175A		S1 $\Delta$	
3969	1N737	81.9	100	10 $\emptyset$	1.0	340	1.0	250		175A		S1 $\Delta$	DO7
3969a*	SS91Z	81.9	100	10 $\emptyset$	5.0	260	5.0	750		175A		S1 $\Delta$	A21c
3970	ZB91	81.9	100	10	2.0	170	2.0	750	.095	175A		S1	A33
3971	ZG91	81.9	100	10	3.0	120	3.0	3500	.095	175C		S1	S4a
3971a	ZK91	81.9	100	10	20	80	20	10W	.095	175C		S1	S19
3971b	ZT91	81.9	100	10	3.0	120	3.0	1000	.095	175A		S1	A34
3971c	1N984A	81.9	100.1	10 $\emptyset$	1.4	3000	.25	500	.090	175A		S1 $\Delta$	DO7
3971d	1N1374	81.9	100.1	10	50	35	50	10W		175A		S1 $\Delta$	S11
3971e	1N1794	81.9	100.1	10	5.0	220	5.0	1000		175A		S1 $\Delta$	A31
3971f	1N2837A	81.9	100.1	10 $\emptyset$	140	15	140	50W	.090	175J		S1 $\Delta$	C5a
3971g	1N3004A	81.9	100.1	10 $\emptyset$	28	35	28	10W	.090	175J		S1	DO4 $\Delta$
3971h	1N3043A	81.9	100.1	10 $\emptyset$	2.8	250	2.8	1000	.090	175J		S1	A31a
3971j#	1S516	81.9	100.1	10 $\emptyset$	50	40	50	8.0W	.08	150A		S1 $\Delta$	
3971k	1T91	81.9	101.1	10	5.0	220		1000				S1	A6a
3971m#	1S5091	82	100	10	50	40	50	8.0	.12	150C		S1 $\Delta$	$\Delta$
3971n#	1S5091C	82	100	10	50	40	50	8.0	.12	150C		S1 $\Delta$	
3971p	AV2084	82.32	85.68	2.0	5.0	220	5.0	1000		150A		S1	A19
3971q	AV4084	82.32	85.68	2.0	5.0	220	5.0	3000		150A		S1	S10
3971r	AV8084	82.32	85.68	2.0	5.0	220	5.0	10W		150A		S1	S11
3972	SV4082A	82.36	83.64	2.0	.50	2000	5.0	500	.09	150A		S1	
3972a	AV2085	83.3	86.7	2.0	5.0	220	5.0	1000		150A		S1	A19
3972b	AV4085	83.3	86.7	2.0	5.0	220	5.0	3000		150A		S1	S10
3972c	AV8085	83.3	86.7	2.0	5.0	220	5.0	10W		150A		S1	S11
3972d	1/4M105Z	84	126	20 $\emptyset$	.60	1000	.60	250	.095	175J		S1	A22a
3972e	3/4M105Z	84	126	20 $\emptyset$	2.5	400	2.5	750	.095	175C		S1	A31a
3972f	3/4Z105D	84	126	20 $\emptyset$	2.5	400	2.5	750	.095	175J		S1 $\Delta$	A31a
3972g	1M105Z	84	126	20 $\emptyset$	2.5	400	2.5	1000	.095	175C		S1	DO7
3972h	1N2839	84	126	20 $\emptyset$	120	25	120	50W	.12	175J		S1 $\Delta$	C5a
3972j	1Z105D	84	126	20 $\emptyset$	2.5	400	2.5	1000	.095	175J		S1 $\Delta$	A6b
3972k	1.5M105Z	84	126	20 $\emptyset$	3.5	250	3.5	1.5W	.095	175C		S1	C14
3972m	1.5Z105D	84	126	20 $\emptyset$	3.5	250	3.5	1500	.095	175J		S1 $\Delta$	C12
3973	10M105Z	84	126	20 $\emptyset$	25	45	25	10W	.12	175J		S1	DO4
3973a	10Z105D	84	126	20 $\emptyset$	25	45	25	10W	.095	175J		S1 $\Delta$	S4a $\Delta$
3973b	AV2086	84.28	87.72	2.0	5.0	220	5.0	1000		150A		S1	A19
3973c	AV4086	84.28	87.72	2.0	5.0	220	5.0	3000		150A		S1	S10
3973d	AV8086	84.28	87.72	2.0	5.0	220	5.0	10W		150A		S1	S11
3973e	VR105	84.5	125.5	20 $\emptyset$	1.0	105*	1.0	1000	.10	125C		S1	A51
3973f	AV2087	85.26	88.74	2.0	5.0	220	5.0	1000		150A		S1	A19
3973g	AV4087	85.26	88.74	2.0	5.0	220	5.0	3000		150A		S1	S10
3973h	AV8087	85.26	88.74	2.0	5.0	220	5.0	10W		150A		S1	S11
3973j	AV2088	86.24	89.76	2.0	5.0	220	5.0	1000		150A		S1	A19
3973k	AV4088	86.24	89.76	2.0	5.0	220	5.0	3000		150A		S1	S10
3974	AV8088	86.24	89.76	2.0	5.0	220	5.0	10W		150A		S1	S11
3974a#	1S5091A	86.3	95	5.0	50	40	50	8.0	.12	150C		S1 $\Delta$	$\Delta$
3974c	1N1374A	86.4	95.6	5.0	50	35	50	10W	.12	175A		S1 $\Delta$	DO4
3974d	GLZ91BCA	86.4	95.6	5.0	.69	700	.69	250	.090			S1 $\Delta$	DO7
3974e	MZ91BDA	86.4	95.6	5.0	28	35	28	10W	.090	175J		S1 $\Delta$	DO4 $\Delta$
3974f	1N3004B	86.45	95.55	5.0	28	35*	28	10W		175J	A	S1	DO4 $\Delta$
3975	1N1836A $\emptyset$	86.5	95.6	5.0	50	35	50	10W	.12	150A		S1 $\Delta$	DO4 $\Delta$
3975a	ZB91A	86.5	95.6	5.0	2.0	170	2.0	750	.095	175A		S1	A33
3975b	ZG91A	86.5	95.6	5.0	3.0	120	3.0	3500	.095	175C		S1	S4a
3975c	ZK91A	86.5	95.6	5.0	20	80	20	10W	.095	175C		S1	S19
3975d	ZT91A	86.5	95.6	5.0	3.0	120	3.0	1000	.095	175A		S1	A34

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3975e	AV2089	87.22	90.78	2.0	5.0	220	5.0	1000		150A		S1	A19
3975f	AV4089	87.22	90.78	2.0	5.0	220	5.0	3000		150A		S1	S10
3975g	AV8089	87.22	90.78	2.0	5.0	220	5.0	10W		150A		S1	S11
3976a	1/4M110Z	88	132	20	.57	1200	.57	250	.095	175J		S1	A22a
3976b	3/4M110Z	88	132	20	2.3	450	2.3	750	.095	175C		S1	A31a
3976c	3/4Z110D	88	132	20	2.3	450	2.3	750	.095	175J		S1Δ	A31a
3976d	1N986	88	132	20	1.1	750	1.1	400	.095	175J		S1Δ	DO7
3976e	1N2840	88	132	20	110	30	110	50W	.095	175J		S1Δ	C5a
3976f	1N3007	88	132	20	23	55	23	10W	.095	175J		S1	DO4Δ
3976g	1N3045	88	132	20	2.3	450	2.3	1000	.095	175J		S1	A31a
3977	1Z110D	88	132	20	2.3	450	2.3	1000	.095	175J		S1Δ	A6b
3977a	1.5M110Z	88	132	20	3.4	300	3.4	1.5W	.095	175C		S1	C14
3978	1.5Z110D	88	132	20	3.4	300	3.4	1500	.095	175J		S1Δ	C12
3978a	10Z110D	88	132	20	23	55	23	10W	.095	175J		S1Δ	S4aΔ
3978b	AV2090	88.2	91.8	2.0	5.0	220	5.0	1000		150A		S1	A19
3978c	AV4090	88.2	91.8	2.0	5.0	220	5.0	3000		150A		S1	S10
3978d	AV8090	88.2	91.8	2.0	5.0	220	5.0	10W		150A		S1	S11
3978e	AV2091	89.18	92.82	2.0	5.0	330	5.0	1000		150A		S1	A19
3978f	AV4091	89.18	92.82	2.0	5.0	330	5.0	3000		150A		S1	S10
3978g	AV8091	89.18	92.82	2.0	5.0	330	5.0	10W		150A		S1	S11
3979	SV4091	89.18	92.82	2.0	.50	2500	5.0	500	.09	150A		S1	
3980	1C100Z	90	110	10	5.0	260	5.0	1000		175A		S1Δ	
3981	1N738	90	110	10	1.0	400	1.0	250		175A		S1Δ	DO7
3981a	1N985A	90	110	10	1.3	3000	.25	500	.090	175A		S1Δ	DO7
3982	1N1375	90	110	10	50	40	50	10W		175A		S1Δ	S11
3985	1N1795	90	110	10	5.0	260	5.0	1000		175A		S1Δ	A31
3985a	1N2008	90	110	10	50	40	50	10W	.12	150		S1Δ	S19aΔ
3985b	1N2008C	90	110	10	50	40	50	10W	.12	150		S1Δ	
3985c	1N2838A	90	110	10	120	20	120	50W	.095	175J		S1Δ	C5a
3985d	1N3005A	90	110	10	25	40	25	10W	.090	175J		S1	DO4Δ
3985e	1N3044A	90	110	10	2.5	350	2.5	1000	.090	175J		S1	A31a
3985f	1T100	90	110	10	5.0	260		1000				S1	A6a
3985g	2Z100T10	90	110	10	2.0	600	2.0	2000		200A		S1	S36
3985h	AA16	90	110	10	.20			150		150A		S1	C1
3985j	AV16	90	110	10	5.0	330	5.0	1000		150A		S1	A19
3985k	AV116	90	110	10	50	48	50	10W		150A		S1	S11
3985m	AV316	90	110	10	15	70	15	3000		150A		S1	S10Δ
3985n	AZ16	90	110	10	.20			150		150A		S1	C1
3985p	EEZ100T10-1	90	110	10	2.0	600	2.0	750		200A		S1	A10
3985q	KR60	90	110	10	50	30	50	8000	.12	135A		S1Δ	S39Δ
3985r	SEZ100T10	90	110	10	1.0	1200	1.0	500		200A		S1	P5
3985s	SS100Z	90	110	10	5.0	330	5.0	750		175A		S1Δ	A21c
3985t	ZB100	90	110	10	2.0	220	2.0	750	.10	175A		S1	A33
3985u	ZG100	90	110	10	2.0	160	2.0	3500	.10	175C		S1	S4a
3985v	ZK100	90	110	10	20	100	20	10W	.10	175C		S1	S19
3985w	ZT100	90	110	10	2.0	160	2.0	1000	.10	175A		S1	A34
3986	1N1326	90	120	15	.20			150		150A		S1*	C1
3987	PS6326	90	120	15	.20			500		200A		S1	
3988	SV4091A	90.09	91.91	1.0	.50	2500	5.0	500	.09	150A		S1	
3988a	AV2092	90.16	93.84	2.0	5.0	330	5.0	1000		150A		S1	A19
3988b	AV4092	90.16	93.84	2.0	5.0	330	5.0	3000		150A		S1	S10
3988c	AV8092	90.16	93.84	2.0	5.0	330	5.0	10W		150A		S1	S11
3989	1N1888	91	110	10	3.0	60	7.5	1000	.093	200S		S1Δ	
3990	1N1904	91	110	10	3.0	60	7.5	10W	.093	200S		S1Δ	
3991	1N1944	91	110	10	.20	1700	1.0	250	.12	150A		S1	
3992	1N1998	91	110	10	.20	1700	1.0	150	.12	150		S1	
3993	1S5100	91	110	10	50	40	50	8.0	.12	150C		S1Δ	Δ
3993a	1S5100C	91	110	10	50	40	50	8.0	.12	150C		S1Δ	
3993b	DZ10B	91	110	10	2.0	430	2.0	500	.090			S1	
3993c	HZ100	91	110	10	50	180	10	5000	.08	165B		S1	
3993d	PZ10B	91	110	10	20	43	20	10W	.090			S1	
3993e	RZ10B	91	110	10	39	43	39	20W	.090			S1	
3993f	AV2093	91.14	94.86	2.0	5.0	330	5.0	1000		150A		S1	A19

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SEE FOLD-OUT BACK COVER  
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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (±%)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				STATUS	MAT.	DWG. No.
3993g	AV4093	91.14	94.86	2.0	5.0	330	5.0	3000		150A		S1	S10
3993h	AV8093	91.14	94.86	2.0	5.0	330	5.0	10W		150A		S1	S11
3993j	AV2094	92.12	95.88	2.0	5.0	330	5.0	1000		150A		S1	A19
3993k	AV4094	92.12	95.88	2.0	5.0	330	5.0	3000		150A		S1	S10
3993m	AV8094	92.12	95.88	2.0	5.0	330	5.0	10W		150A		S1	S11
3993n	AV2095	93.1	96.9	2.0	5.0	330	5.0	1000		150A		S1	A19
3993p	AV4095	93.1	96.9	2.0	5.0	330	5.0	3000		150A		S1	S10
3993q	AV8095	93.1	96.9	2.0	5.0	330	5.0	10W		150A		S1	S11
3993r	AV2096	94.08	97.92	2.0	5.0	330	5.0	1000		150A		S1	A19
3993s	AV4096	94.08	97.92	2.0	5.0	330	5.0	3000		150A		S1	S10
3993t	AV8096	94.08	97.92	2.0	5.0	330	5.0	10W		150A		S1	S11
3993u	1N2839A	94.5	115.5	10	120	25	120	50W	.095	175J		S1Δ	C5a
3993v*	1N671	95	105	5.0	1.0	350	1.0	400	.09	200	A	S1	
3993w	1N1375A	95	105	5.0	50	40	50	10W	.12	175A		S1Δ	DO4
3993x*	1N1423	95	105	5.0	20	30	20	10W	.09	175	A	S1	
3993y*	1N1432	95	105	5.0	2.0	350	2.0	1000	.09	200	A	S1	
3994	1N2008A	95	105	5.0	50	40	50	10W	.12	150		S1Δ	DO4Δ
3994a	1N3005B	95	105	5.0	25	40*	25	10W		175J	A	S1	DO4Δ
3994b#	1S5100A	95	105	5.0	50	40	50	8.0	.12	150C		S1Δ	Δ
3994c	GLZ100BCA	95	105	5.0	.63	900	.63	250	.090			S1Δ	DO7
3994d	MZ100BDA	95	105	5.0	25	40	25	10W	.090	175J		S1Δ	DO4Δ
3994e	ZB100A	95	105	5.0	2.0	220	2.0	750	.10	175A		S1	A23
3994f	ZG100A	95	105	5.0	2.0	160	2.0	3500	.10	175C		S1	S4a
3994g	ZK100A	95	105	5.0	20	100	20	10W	.10	175C		S1	S19
3994h	ZT100A	95	105	5.0	2.0	160	2.0	1000	.10	175A		S1	A34
3994j	AV2097	95.06	98.94	2.0	5.0	330	5.0	1000		150A		S1	A19
3994k	AV4097	95.06	98.94	2.0	5.0	330	5.0	3000		150A		S1	S10
3994m	AV8097	95.06	98.94	2.0	5.0	330	5.0	10W		150A		S1	S11
3994n	1/4M120Z	96	144	20	.52	1500	.52	250	.095	175J		S1	A22a
3994p	3/4M120Z	96	144	20	2.0	550	2.0	750	.095	175C		S1	A31a
3994q	3/4Z120D	96	144	20	2.0	550	2.0	750	.095	175J		S1Δ	A31a
3994r	1N987	96	144	20	1.0	900	1.0	400	.095	175J		S1Δ	DO7
3994s	1N2841	96	144	20	100	40	100	50W	.095	175J		S1Δ	C5a
3995	1N3008	96	144	20	20	75	20	10W	.095	175J		S1	DO4Δ
3996	1N3046	96	144	20	2.0	550	2.0	1000	.095	175J		S1	A31a
3996a	1Z120D	96	144	20	2.0	550	2.0	1000	.095	175J		S1Δ	A6b
3996b	1.5M120Z	96	144	20	3.1	350	3.1	1.5W	.095	175C		S1	C14
3996c	1.5Z120D	96	144	20	3.1	350	3.1	1500	.095	175J		S1Δ	C12
3996d	3Z120T20	96	144	20	2.0	1400	2.0	1000		200A		S1	A9
3996e	4Z120T20	96	144	20	2.0	1400	2.0	2000		200A		S1	S36
3996f	10Z120D	96	144	20	20	75	20	10W	.095	175J		S1Δ	S4aΔ
3996g	ECZ120T20-1	96	144	20	2.0	1400	2.0	750		200A		S1	A10
3996h	ECZ120T20-2	96	144	20	1.0	1400	1.0	400		200A		S1	A11
3996j	SCZ120T20	96	144	20	1.0	1400	1.0	500		200A		S1	P5
3996k	AV2098	96.04	99.96	2.0	5.0	330	5.0	1000		150A		S1	A19
3996m	AV4098	96.04	99.96	2.0	5.0	330	5.0	3000		150A		S1	S10
3996n	AV8098	96.04	99.96	2.0	5.0	330	5.0	10W		150A		S1	S11
3996p	AV2099	97.02	100.98	2.0	5.0	330	5.0	1000		150A		S1	A19
3996q	AV4099	97.02	100.98	2.0	5.0	330	5.0	3000		150A		S1	S10
3996r	AV8099	97.02	100.98	2.0	5.0	330	5.0	10W		150A		S1	S11
3996s	AV2100	98	102	2.0	5.0	330	5.0	1000		150A		S1	A19
3996t	AV4100	98	102	2.0	5.0	330	5.0	3000		150A		S1	S10
3996u	AV8100	98	102	2.0	5.0	330	5.0	10W		150A		S1	S11
3997	SV4100	98	102	2.0	.50	3000	5.0	500	.09	150A		S1	
3998	SV4100A	99	101	1.0	.50	3000	5.0	500	.09	150A		S1	
3998a	1C110Z	99	121	10	5.0	320	5.0	1000		175A		S1Δ	
3999	1N739	99	121	10	1.0	490	1.0	250		175A		S1Δ	DO7
3999a	1N986A	99	121	10	1.1	4000	.25	500	.095	175A		S1Δ	DO7
4000	1N1796	99	121	10	5.0	320	5.0	1000		175A		S1Δ	A31
4001	1N1809	99	121	10	50	47	50	10W		175A		S1Δ	S11Δ
4001a	1N2009	99	121	10	50	47	50	10W	.12	150		S1Δ	S19aΔ
4001b	1N2009C	99	121	10	50	47	50	10W	.12	150		S1Δ	
4001c	1N2840A	99	121	10	110	30	110	50W	.095	175J		S1Δ	C5a

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
4001d	1N3007A	99	121	10	23	55	23	10W	.095	175J		S1	DO4Δ
4001e	1N3045A	99	121	10	2.3	450	2.3	1000	.095	175J		S1	A31a
4001f*	SS110Z	99	121	10	5.0	400	5.0	750		175A		S1Δ	A21c
4001g	MZ105BB	100	110	5.0	25	45	25	10W	.095	175J		S1Δ	Δ
4001h#	1S5110	100	120	10	50	40	50	8.0	.12	150C		S1Δ	Δ
4001j#	1S5110C	100	120	10	50	40	50	8.0	.12	150C		S1Δ	
4001k	AV2105	102.9	107.1	2.0	5.0	330	5.0	1000		150A		S1	A19
4001m	AV4105	102.9	107.1	2.0	5.0	330	5.0	3000		150A		S1	S10
4001n	AV8105	102.9	107.1	2.0	5.0	330	5.0	10W		150A		S1	S11
4001p	1/4M130Z	104	156	20	.48	1900	.48	250	.095	175J		S1	A22a
4001q	3/4M130Z	104	156	20	1.9	700	1.9	750	.095	175C		S1	A31a
4001r	3/4Z130D	104	156	20	1.9	700	1.9	750	.095	175J		S1Δ	A31a
4001s	1N988	104	156	20	.95	1100	.95	400	.095	175J		S1Δ	DO7
4001t	1N2842	104	156	20	95	50	95	50W	.095	175J		S1Δ	C5a
4001u	1N3009	104	156	20	19	100	19	10W	.095	175J		S1	DO4Δ
4001v	1N3047	104	156	20	1.9	700	1.9	1000	.095	175J		S1	A31a
4001w	1Z130D	104	156	20	1.9	700	1.9	1000	.095	175J		S1Δ	A6b
4002	1.5M130Z	104	156	20	2.9	400	2.9	1.5W	.095	175C		S1	C14
4002a	1.5Z130D	104	156	20	2.9	400	2.9	1500	.095	175J		S1Δ	C12
4002b	10Z130D	104	156	20	19	100	19	10W	.095	175J		S1Δ	S4aΔ
4003	1N2009A	104.5	115.5	5.0	50	47	50	10W	.12	150		S1Δ	Δ
4003a	1N3007B	104.5	115.5	5.0	23	55*	23	10W		175J	A	S1	DO4Δ
4003b	MZ110BD	104.5	115.5	5.0	23	55	23	10W	.095	175J		S1Δ	DO4Δ
4003c#	1S5110A	105	115	5.0	50	40	50	8.0	.12	150C		S1Δ	Δ
4003d	AV8110	105.8	112.2	2.0	5.0	330	5.0	10W		150A		S1	S11
4003e	AV2110	107.8	112.2	2.0	5.0	330	5.0	1000		150A		S1	A19
4003f	AV4110	107.8	112.2	2.0	5.0	330	5.0	3000		150A		S1	S10
4003g	1C120Z	108	132	10	5.0	390	5.0	1000		175A		S1Δ	
4004	1N740	108	132	10	1.0	570	1.0	250		175A		S1Δ	DO7
4004a	1N987A	108	132	10	1.0	4500	.25	500	.095	175A		S1Δ	DO7
4005	1N1797	108	132	10	5.0	390	5.0	1000		175A		S1Δ	DO7
4006	1N1810	108	132	10	50	56	50	10W		175A		S1Δ	S11Δ
4006a	1N2010	108	132	10	50	56	50	10W	.12	150		S1Δ	S19aΔ
4006b	1N2010C	108	132	10	50	56	50	10W	.12	150		S1Δ	
4006c	1N2841A	108	132	10	100	40	100	50W	.095	175J		S1Δ	C5a
4006d	1N3008A	108	132	10	20	75	20	10W	.095	175J		S1	DO4Δ
4006e	1N3046A	108	132	10	2.0	550	2.0	1000	.095	175J		S1	A31a
4006f	1N3098	108	132	10	3.0	160	5.0	1000	.095			S1Δ	
4006g	1N3102	108	132	10	3.0	90	7.5	10W	.095			S1Δ	
4006h	2Z120T10	108	132	10	2.0	710	2.0	2000		200A		S1	S36
4006j	EEZ120T10-1	108	132	10	2.0	710	2.0	750		200A		S1	A10
4006k	SEZ120T10	108	132	10	1.0	1400	1.0	500		200A		S1	P5
4006m*	SS120Z	108	132	10	5.0	470	5.0	750		175A		S1Δ	A21c
4006n	1N1945	110	130	10	.20	2800	1.0	200		150		S1	
4006p#	1S5120	110	130	10	50	50	50	8.0	.12	150C		S1Δ	Δ
4006q#	1S5120C	110	130	10	50	50	50	8.0	.12	150C		S1Δ	
4007	HZ120	110	130	10	8.0	84	18	5000	.085	165B		S1	
4008	AV17	110	135	10	5.0	500	5.0	1000		150A		S1	A19
4009	AV117	110	135	10	50	70	50	10W		150A		S1	S11
4010	AV317	110	135	10	15	130	15	3000		150A		S1	S10Δ
4011	AZ17	110	135	10	.20			150		150A		S1	C1
4012	1N1327	110	145	15	.20			150		150A		S1*	C1
4013	PS6327	110	145	15	.20			500		200A		S1	
4013a	1/4M140Z	112	168	20	.45	2200	.45	250	.095	175J		S1	A22a
4013b	3/4M140Z	112	168	20	1.8	900	1.8	750	.095	175C		S1	A31a
4013c	3/4Z140D	112	168	20	1.8	900	1.8	750	.095	175J		S1Δ	A31a
4013d	1M140Z	112	168	20	1.8	900	1.8	1000	.095	175C		S1	DO7
4013e	1Z140D	112	168	20	1.8	900	1.8	1000	.095	175J		S1Δ	A6b
4013f	1.5M140Z	112	168	20	2.7	600	2.7	1.5W	.095	175C		S1	C14
4013g	1.5Z140D	112	168	20	2.7	600	2.7	1500	.095	175J		S1Δ	C12
4014	10M140Z	112	168	20	18	125	18	10W	.13	175C		S1	DO4
4014a	10Z140D	112	168	20	18	125	18	10W	.095	175J		S1Δ	S4aΔ
4015	50M140Z	112	168	20	90	60	90	50W	.13	175J		S1	DO4

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### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
4015a	AV2115	112.7	117.3	2.0	5.0	500	5.0	1000		150A		S1	A19
4015b	AV4115	112.7	117.3	2.0	5.0	500	5.0	3000		150A		S1	S10
4015c	AV8115	112.7	117.3	2.0	5.0	500	5.0	10W		150A		S1	S11
4015d	1N2010A	114	126	5.0	50	56	50	10W	.12	150		S1Δ	Δ
4015e	1N3008B	114	126	5.0	20	75*	20	10W		175J	A	S1	DO4Δ
4015f	MZ120BD	114	126	5.0	20	75	20	10W	.095	175J		S1Δ	DO4Δ
4015g	1S5120A	115	125	5.0	50	50	50	8.0	.12	150C		S1Δ	Δ
4015h	1C130Z	117	143	10	5.0	450	5.0	1000		175A		S1Δ	
4016	1N741	117	143	10	1.0	650	1.0	250		175A		S1Δ	DO7
4016a	1N988A	117	143	10	.95	5000	.25	500	.095	175A		S1Δ	DO7
4017	1N1798	117	143	10	5.0	450	5.0	1000		175A		S1Δ	A31
4018	1N1811	117	143	10	50	65	50	10W		175A		S1Δ	S11Δ
4018a	1N2011	117	143	10	50	65	50	10W	.12	150		S1Δ	S19aΔ
4018b	1N2011C	117	143	10	50	65	50	10W	.12	150		S1Δ	
4018c	1N2842A	117	143	10	95	50	95	50W	.095	175J		S1Δ	C5a
4018d	1N3009A	117	143	10	19	100	19	10W	.095	175J		S1	DO4Δ
4018e	1N3047A	117	143	10	1.9	700	1.9	1000	.095	175J		S1	A31a
4018f	SS130Z	117	143	10	5.0	550	5.0	750		175A		S1Δ	A21c
4018g	AV2120	117.6	122.4	2.0	5.0	500	5.0	1000		150A		S1	A19
4018h	AV4120	117.6	122.4	2.0	5.0	500	5.0	3000		150A		S1	S10
4018j	AV8120	117.6	122.4	2.0	5.0	500	5.0	10W		150A		S1	S11
4018k	1S5130	120	150	10	50	50	50	8.0	.12	150C		S1Δ	Δ
4018m	1S5130C	120	150	10	50	50	50	8.0	.12	150C		S1Δ	
4018n	1/4M150Z	120	180	20	.42	2500	.42	250	.095	175J		S1	A22a
4018p	3/4M150Z	120	180	20	1.7	1000	1.7	750	.095	175C		S1	A31a
4018q	3/4Z150D	120	180	20	1.7	1000	1.7	750	.095	175J		S1Δ	A31a
4018r	1N989	120	180	20	.85	1500	.85	400	.095	175J		S1Δ	DO7
4018s	1N2843	120	180	20	85	75	85	50W	.095	175J		S1Δ	C5a
4018t	1N3011	120	180	20	17	175	17	10W	.095	175J		S1	DO4Δ
4018u	1N3048	120	180	20	1.7	1000	1.7	1000	.095	175J		S1	A31a
4018v	1Z150D	120	180	20	1.7	1000	1.7	1000	.095	175J		S1Δ	A6b
4018w	1.5M150Z	120	180	20	2.5	700	2.5	1.5W	.095	175C		S1	C14
4018x	1.5Z150D	120	180	20	2.5	700	2.5	1500	.095	175J		S1Δ	C12
4019	10Z150D	120	180	20	17	175	17	10W	.095	175J		S1Δ	S4aΔ
4019a	AV2125	122.5	127.5	2.0	5.0	500	5.0	1000		150A		S1	A19
4019b	AV4125	122.5	127.5	2.0	5.0	500	5.0	3000		150A		S1	S10
4019c	AV8125	122.5	127.5	2.0	5.0	500	5.0	10W		150A		S1	S11
4020	1N2011A	123.5	136.5	5.0	50	65	50	10W	.12	150		S1Δ	Δ
4020a	MZ130BD	123.5	136.5	5.0	19	100	19	10W	.095	175J		S1Δ	DO4Δ
4021	1S5130A	125	140	5.0	50	50	50	8.0	.12	150C		S1Δ	Δ
4021a	AV2130	127.4	132.6	2.0	5.0	500	5.0	1000		150A		S1	A19
4021b	AV4130	127.4	132.6	2.0	5.0	500	5.0	3000		150A		S1	S10
4021c	AV8130	127.4	132.6	2.0	5.0	500	5.0	10W		150A		S1	S11
4021d	1N3009B	127.5	136.5	5.0	19	100*	19	10W		175J	A	S1	DO4Δ
4021e	1N990	128	192	20	.80	1700	.80	400	.095	175J		S1Δ	DO7
4022	1N2844	128	192	20	80	80	80	50W	.095	175J		S1Δ	C5aΔ
4022a	1N3012	128	192	20	16	200	16	10W	.095	175J		S1	DO4Δ
4022b	1N3049	128	192	20	1.6	1100	1.6	1000	.095	175J		S1	A31a
4023	1N1946	130	160	10	.10			200		150		S1	
4024	1S5150	130	160	10	50	50	50	8.0	.12	150C		S1Δ	Δ
4025	1S5150C	130	160	10	50	50	50	8.0	.12	150C		S1Δ	
4026	HZ150	130	160	10	35	370	7.0	5000	.09	165B		S1	
4026a	AV2135	132.3	137.7	2.0	5.0	500	5.0	1000		150A		S1	A19
4026b	AV4135	132.3	137.7	2.0	5.0	500	5.0	3000		150A		S1	S10
4026c	AV8135	132.3	137.7	2.0	5.0	500	5.0	10W		150A		S1	S11
4026d	MZ140BB	133	147	5.0	18	125	18	10W	.095	175J		S1Δ	DO4Δ
4026e	1C150Z	135	165	10	5.0	600	5.0	1000		175A		S1Δ	
4028	1N742	135	165	10	1.0	860	1.0	250		175A		S1Δ	DO7
4029	1N989A	135	165	10	.85	6000	.25	500	.095	175A		S1Δ	DO7
4031	1N1799	135	165	10	5.0	600	5.0	1000		175A		S1Δ	A31
4032	1N1812	135	165	10	50	82	50	10W		175A		S1Δ	S11Δ
4032a	1N2012	135	165	10	50	82	50	10W	.12	150		S1Δ	S19aΔ
4032b	1N2012C	135	165	10	50	82	50	10W	.12	150		S1Δ	

SEE FOLD-OUT BACK COVER  
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EXPLANATION of SYMBOLS.



### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
4032c	1N2843A	135	165	10	85	75	85	50W	.095	175J		S1Δ	C5a
4032d	1N3011A	135	165	10	17	175	17	10W	.095	175J		S1	DO4Δ
4032e	1N3048A	135	165	10	1.7	1000	1.7	1000	.095	175J		S1	A31a
4032f	1N3099	135	165	10	3.0	170	5.0	1000	.095			S1Δ	
4032g	1N3103	135	165	10	3.0	100	7.5	10W	.095			S1Δ	
4032h	2Z150T10	135	165	10	2.0	900	2.0	2000		200A		S1	S36
4032j	AV18	135	165	10	5.0	800	5.0	1000		150A		S1	A19
4032k	AV118	135	165	10	50	95	50	10W		150A		S1	S11
4032m	AV318	135	165	10	15	225	15	3000		150A		S1	S10Δ
4032n	AZ18	135	165	10	.20			150		150A		S1	C1
4032p	EEZ150T10-1	135	165	10	2.0	900	2.0	750		200A		S1	A10
4032q	SEZ150T10	135	165	10	1.0	1800	1.0	500		200A		S1	P5
4032r*	SS150Z	135	165	10	5.0	730	5.0	750		175A		S1Δ	A21c
4032s#	OA130	135	250		.10			250		175		S1	
4032t	AV2140	137.2	142.8	2.0	5.0	800	5.0	1000		150A		S1	A19
4032u	AV4140	137.2	142.8	2.0	5.0	800	5.0	3000		150A		S1	S10
4033	AV8140	137.2	142.8	2.0	5.0	800	5.0	10W		150A		S1	S11
4033a#	1S5150A	140	150	5.0	50	50	50	8.0	.12	150C		S1Δ	Δ
4033b	1/4M175Z	140	210	20	.36	3300	.36	250	.095	175J		S1	A22a
4033c	3/4M175Z	140	210	20	1.4	1200	1.4	750	.095	175C		S1	A31a
4033d	3/4Z175D	140	210	20	1.4	1200	1.4	750	.095	175J		S1Δ	A31a
4033e	1M175Z	140	210	20	1.4	1200	1.4	1000	.095	175C		S1	DO7
4033f	1Z175D	140	210	20	1.4	1200	1.4	1000	.095	175J		S1Δ	A6b
4033g	1.5M175Z	140	210	20	2.1	800	2.1	1.5W	.095	175C		S1	C14
4033h	1.5Z175D	140	210	20	2.1	800	2.1	1500	.095	175J		S1Δ	C12
4034	10M175Z	140	210	20	14	250	14	10W	.14	175J		S1	DO4
4034a	10Z175D	140	210	20	14	250	14	10W	.095	175J		S1Δ	S4aΔ
4035	50M175Z	140	210	20	70	85	70	50W	.14	175J		S1	DO4
4035a*	1N1424	142	158	5.0	10	105	10	10W	.10	175	A	S1	
4035b*	1N1433	142	158	5.0	1.0	1.2K	1.0	1000	.10	200	A	S1	
4035c	AV2145	142.1	147.9	2.0	5.0	800	5.0	1000		150A		S1	A19
4035d	AV4145	142.1	147.9	2.0	5.0	800	5.0	3000		150A		S1	S10
4035e	AV8145	142.1	147.9	2.0	5.0	800	5.0	10W		150A		S1	S11
4035f	1N2012A	142.5	157.5	5.0	50	82	50	10W	.12	150		S1Δ	Δ
4035g	1N3011B	142.5	157.5	5.0	17	175*	17	10W		175J	A	S1	DO4Δ
4035h	MZ150BD	142.5	157.5	5.0	17	175	17	10W	.095	175J		S1Δ	DO4Δ
4035j	1C160Z	144	176	10	5.0	700	5.0	1000		175A		S1Δ	
4036	1N743	144	176	10	1.0	970	1.0	250		175A		S1Δ	DO7
4036a	1N990A	144	176	10	.80	6500	.25	500	.095	175A		S1Δ	DO7
4037	1N1800	144	176	10	5.0	700	5.0	1000		175A		S1Δ	A31
4038	1N1813	144	176	10	50	83	50	10W		175A		S1Δ	S11Δ
4038a	1N2844A	144	176	10	80	80	80	50W	.095	175J		S1Δ	C5a
4038b	1N3012A	144	176	10	16	200	16	10W	.095	175J		S1	DO4Δ
4038c*	SS160Z	144	176	10	5.0	820	5.0	750		175A		S1Δ	A21c
4038d	1N991	144	215	20	.68	2200	.68	400	.095	175J		S1Δ	DO7
4038e	1N3014	144	215	20	14	260	14	10W	.095	175J		S1	DO4Δ
4038f	1N3050	144	215	20	1.4	1200	1.4	1000	.095	175J		S1	A31a
4038g	1N2845	144	216	20	68	90	68	50W	.095	175J		S1Δ	C5aΔ
4038h	3Z180T20	144	216	20	2.0	2000	2.0	1000		200A		S1	A9
4038j	4Z180T20	144	216	20	2.0	2000	2.0	2000		200A		S1	S36
4038k	ECZ180T20-1	144	216	20	2.0	2000	2.0	750		200A		S1	A10
4038m	ECZ180T20-2	144	216	20	1.0	2000	1.0	400		200A		S1	A11
4038n	SCZ180T10	144	216	20	1.0	2000	1.0	500		200A		S1	P5
4038p*	1N672	145	158	5.0	1.0	1K	1.0	400	.10	200	A	S1	
4038q	AV2150	147	153	2.0	5.0	800	5.0	1000		150A		S1	A19
4038r	AV4150	147	153	2.0	5.0	800	5.0	3000		150A		S1	S10
4038s	AV8150	147	153	2.0	5.0	800	5.0	10W		150A		S1	S11
4038t	1N3049A	148	176	10	1.6	1100	1.6	1000	.095	175J		S1	A31a
4038u	AV2155	151.9	158.1	2.0	5.0	800	5.0	1000		150A		S1	A19
4038v	AV4155	151.9	158.1	2.0	5.0	800	5.0	3000		150A		S1	S10
4038w	AV8155	151.9	158.1	2.0	5.0	800	5.0	10W		150A		S1	S11
4038x	1N3012B	152	168	5.0	16	200*	16	10W		175J	A	S1	DO4Δ
4038y	AV2160	156.8	163.2	2.0	5.0	800	5.0	1000		150A		S1	A19

3

### 3. REFERENCE DIODES (ZENER, AVALANCHE, or OTHER TYPES)

LISTED IN ORDER OF MINIMUM Eb1, MAXIMUM Eb2, and TYPE No.



LINE No.	TYPE No.	REFERENCE VOLTAGE RANGE				DYNAMIC IMPEDANCE		MAX. DISS. (mw)	Nominal Temp. Coeff. (%/°C)	MAX. TEMP. (°C)	DESCRIPTION		
		Min. Eb1 (volts)	Max. Eb2 (volts)	Nom. Tolerance (± %)	@ I <sub>Z</sub> (ma)	Z (ohms)	@ I <sub>Z</sub> (ma)				S T A T U S	MAT.	DWG. No.
4038z∅	AV4160	156.8	163.2	2.0	5.0	800	5.0	3000		150A		S1	S10
4039∅	AV8160	156.8	163.2	2.0	5.0	800	5.0	10W		150A		S1	S11
4039a	1N1947	160	200	10∅	.10			200		150		S1	
4039b	1/4M200Z	160	240	20∅	.31	4300	.31	250	.100	175J		S1	A22a
4039c	3/4M200Z	160	240	20∅	1.2	1500	1.2	750	.10	175C		S1	A31a
4039d	3/4Z200D	160	240	20∅	1.2	1500	1.2	750	.100	175J		S1Δ	A31a
4039e	1N992	160	240	20∅	.65	2500	.65	400	.100	175J		S1Δ	DO7
4039f	1N2846	160	240	20∅	65	100	65	50W	.095	175J		S1Δ	C5a
4039g	1N3015	160	240	20∅	12	300	12	10W	.100	175J		S1	DO4Δ
4040	1N3051	160	240	20∅	1.2	1500	1.2	1000	.10	175J		S1	A31a
4040a	1Z200D	160	240	20∅	1.2	1500	1.2	1000	.100	175J		S1Δ	A6b
4041	1.5M200Z	160	240	20∅	1.9	1000	1.9	1.5W	.10	175C		S1	C14
4041a	1.5Z200D	160	240	20∅	1.9	1000	1.9	1500	.100	175J		S1Δ	C12
4042	10Z200D	160	240	20∅	12	300	12	10W	.100	175J		S1Δ	S4aΔ
4043∅	SV7200	160	240	20∅	65	100	65	50W				S1	
4043a∅	AV2165	161.7	168.3	2.0	5.0	800	5.0	1000		150A		S1	A19
4043b∅	AV4165	161.7	168.3	2.0	5.0	800	5.0	3000		150A		S1	S10
4043c∅	AV8165	161.7	168.3	2.0	5.0	800	5.0	10W		150A		S1	S11
4043d∅	1C180Z	162	198	10∅	5.0	900	5.0	1000		175A		S1Δ	
4044	1N744	162	198	10∅	1.0	1200	1.0	250		175A		S1Δ	DO7
4044a∅	1N991A	162	198	10∅	.68	7100	.25	500	.095	175A		S1Δ	DO7
4045	1N1801	162	198	10	5.0	900	5.0	1000		175A		S1Δ	A31
4046	1N1814	162	198	10	50	115	50	10W		175A		S1Δ	S11Δ
4047∅	1N2845A	162	198	10∅	68	90	68	50W	.095	175J		S1Δ	C5a
4048∅	1N3014A	162	198	10∅	14	260	14	10W	.095	175J		S1	DO4Δ
4049∅	1N3050A	162	198	10∅	1.4	1200	1.4	1000	.095	175J		S1	A31a
4050	1N3100	162	198	10	3.0	180	5.0	1000	.095			S1Δ	
4051	1N3104	162	198	10	3.0	110	7.5	10W	.095			S1Δ	
4052∅	2Z180T10	162	198	10∅	2.0	1100	2.0	2000		200A		S1	S36
4053∅	EEZ180T10-1	162	198	10∅	2.0	1100	2.0	750		200A		S1	A10
4054∅	SEZ180T10	162	198	10∅	1.0	2000	1.0	500		200A		S1	P5
4055*	SS180Z	162	198	10∅	5.0	1050	5.0	750		175A		S1Δ	A21c
4056	AV19	165	200	10∅	5.0	1150	5.0	1000		150A		S1	A19
4057	AV119	165	200	10∅	50	150	50	10W		150A		S1	S11
4058	AV319	165	200	10∅	15	350	15	3000		150A		S1	S10Δ
4059	AZ19	165	200	10∅	.10			150		150A		S1	C1
4060	MZ175BB	166.2	183.8	5.0	14	250	14	10W	.095	175J		S1Δ	DO4Δ
4061∅	AV2170	166.6	173.4	2.0	5.0	1150	5.0	1000		150A		S1	A19
4062∅	AV4170	166.6	173.4	2.0	5.0	1150	5.0	3000		150A		S1	S10
4063∅	AV8170	166.6	173.4	2.0	5.0	1150	5.0	10W		150A		S1	S11
4064∅	1N3014B	171	189	5.0	14	260*	14	10W		175J	A	S1	DO4Δ
4065∅	AV2175	171.5	178.5	2.0	5.0	1150	5.0	1000		150A		S1	A19
4066∅	AV4175	171.5	178.5	2.0	5.0	1150	5.0	3000		150A		S1	S10
4067∅	AV8175	171.5	178.5	2.0	5.0	1150	5.0	10W		150A		S1	S11
4068∅	AV2180	176.4	183.6	2.0	5.0	1150	5.0	1000		150A		S1	A19
4069∅	AV4180	176.4	183.6	2.0	5.0	1150	5.0	3000		150A		S1	S10
4070∅	AV8180	176.4	183.6	2.0	5.0	1150	5.0	10W		150A		S1	S11
4071∅	1C200Z	180	220	10∅	5.0	1100	5.0	1000		175A		S1Δ	
4072	1N745	180	220	10∅	1.0	1400	1.0	250		175A		S1Δ	A21
4073∅	1N992A	180	220	10∅	.65	8000	.25	500	.100	175A		S1Δ	DO7
4074	1N1802	180	220	10	5.0	1000	5.0	1000		175A		S1Δ	A31
4075	1N1815	180	220	10	50	140	50	10W		175A		S1Δ	S11Δ
4076∅	1N2846A	180	220	10∅	65	100	65	50W	.095	175J		S1Δ	C5a
4077∅	1N3015A	180	220	10∅	12	300	12	10W	.100	175J		S1	DO4Δ
4078∅	1N3051A	180	220	10∅	1.2	1500	1.2	1000	.100	175J		S1	A31a
4079∅	2Z200T10	180	220	10∅	2.0	1200	2.0	2000		200A		S1	S36
4080∅	EEZ200T10-1	180	220	10∅	2.0	1200	2.0	750		200A		S1	A10
4081∅	SEZ200T10	180	220	10∅	1.0	2200	1.0	500		200A		S1	P5
4082*	SS200Z	180	220	10∅	5.0	1200	5.0	750		175A		S1Δ	A21c
4083∅	AV2185	181.3	188.7	2.0	5.0	1150	5.0	1000		150A		S1	A19
4084∅	AV4185	181.3	188.7	2.0	5.0	1150	5.0	3000		150A		S1	S10
4085∅	AV8185	181.3	188.7	2.0	5.0	1150	5.0	10W		150A		S1	S11
4086∅	AV2190	186.2	193.8	2.0	5.0	1150	5.0	1000		150A		S1	A19



# 4. SWITCHING DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics				CAP. (μmf)	DESCRIPTION		
					@ 25°C		I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	@ T (°C)	Test Conditions		Zrec (kohms)	@ Time t (μsec)		S T A T U S	M A T.	D W G. No.
					I <sub>f</sub> (ma)	E <sub>f</sub> (volts)				FWD. I <sub>f</sub> (ma)	REV. to E <sub>b</sub> (volts)						
4100	I1-050	1.0Δ	100	1.0	100	1.0					10	6.0	3.0	.5m		Ge	
4100a	I1-050T	1.0Δ	250	1.0	100	1.0					10	6.0	3.0	.5m		Ge	
4100b	I-050	2.0Δ	100	1.0	100	2.0					10	6.0	3.0	.5m		Ge	
4100c	ID2-151T	2.0Δ	250	1.0	100	2.0					10	6.0	3.0	.5m		Ge	
4100d	ID3-050	3.0Δ	100	1.0	100	3.0					10	6.0	3.0	.5m		Ge	
4100e	ID3-050T	3.0Δ	250	1.0	100	3.0					10	6.0	3.0	.5m		Ge	
4101	Q3-90	3.0	250	1.0	100	3.0					1.6	3.0		.1m		Ge	
4102	Q3-90T	3.0	250	1.0	100	3.0					1.6	3.0		.01m		Ge	
4102a∅	D4103	4.0†	10	.58	200	4.0								1m		S1	
4102b	HD2967	4.0†	100	.75	40	2.5					3.0	3.0	1.0	6m		Ge	
4103	Q4-100	4.0	250	1.0	100	4.0					1.6	3.0		1m		Ge	
4104	Q4-500	4.0	250	1.0	100	4.0					1.6	3.0		8m		Ge	
4104a∅	D4109	5.0†	10	.58	200	5.0								1m		S1	
4104b	D4121	5.0	40	1.5	15	1.0	200	4.0	25		40	4.0	20	.8m		S1	
4104c	ID5-050	5.0Δ	100	1.0	100	5.0					10	6.0	3.0	.5m		Ge	
4105	Q5-100	5.0	200	1.0	100	5.0					1.6	3.0		1m		Ge	
4106	Q5-250	5.0	200	1.0	100	5.0					1.6	3.0		5m		Ge	
4106a	ID5-050T	5.0Δ	250	1.0	100	5.0					10	6.0	3.0	.5m		Ge	
4107	CTP592	6.0	1.4	.30	4.0	3.0					1.5	3.0	30	.10		Ge	A21
4107a	FD114	6.0	10	1.5	1.0	6.0					10	6.0	2.0	4m		S1#	A22
4107b	FD115	6.0	10	1.5	1.0	6.0					10	6.0	2.0	4m		S1#	A22
4107c	HD2968	6.0†	100	1.0	40	2.5					10	6.0	1.0	4m		Ge	
4107d	ID6-050	6.0Δ	100	1.0	100	6.0					10	6.0	3.0	.5m		Ge	
4108	Q6-100	6.0	200	1.0	100	6.0					1.6	3.0		1m		Ge	
4109	Q6-250	6.0	200	1.0	100	6.0					1.6	3.0		5m		Ge	
4110	Q6-500	6.0	200	1.0	100	6.0					1.6	3.0		8m		Ge	
4110a	ID6-050T	6.0Δ	250	1.0	100	6.0					10	6.0	3.0	.5m		Ge	
4110b	Q6-100T	6.0Δ	250	1.0	100	6.0					10	6.0	3.0	1m		Ge	
4110c	HD2963	7.0†	100	.65	10	5.0					10	6.0	2.0	6m		Ge	
4111∅	1N993	8.0	10	1.5	1.0	6.0					10	6.0		4m		S1	
4112∅	1N994	8.0	10	1.0	30	0					10	6.0		2m		Ge	
4112a∅	CGD1030	8.0	100	.85	15	5.0									1.0	Ge	A21
4113	G124	10	80	1.0	1.0	1.0	3.0	5.0	25		1.0Δ	5.0	100	.20		Ge	
4113a	ID10-050	10Δ	100	1.0	100	10					10	6.0	3.0	.5m		Ge	
4113b	Q10-100	10Δ	100	1.0	100	10					10	6.0	3.0	1m		Ge	
4114	Q10-250	10	100	1.0	100	10					1.6	3.0		5m		Ge	
4115	Q10-500	10	100	1.0	100	10					1.6	3.0		8m		Ge	
4116	Q10-750	10	100	1.0	100	10					1.6	3.0		12m		Ge	
4117	Q10-950	10	100	1.0	100	10					1.6	3.0		15m		Ge	
4117a	ID10-050T	10Δ	250	1.0	100	10					10	6.0	3.0	.5m		Ge	
4117b	Q10-100T	10Δ	250	1.0	100	10					10	6.0	3.0	1m		Ge	
4117c	1N3093	11	25	1.0	2.0	11										Ge	F15
4117d#	ST10	12	5.0				10	12	75						.05		
4117e#	ST20	12	5.0				100	12	75								
4118	1N698	15	1.0	.21	1.0	1.5	7.0	1.5	60		5.0	5.0	2.0	.50		Ge	
4119	LD-71	15	2.0	.40	40	15					5.0∅	3.0	5.0	.10		Ge†	DO7
4119a#	OA92	15	3.0	.60	2.5	10	15	10	60							Ge	A3
4119b	1N813	15	5.0	1.0	.50	5.0	10	5.0	125		5.0Δ	10		.25		S1	
4120	1N1093	15	5.0	.40	25	5.0	75	15	55		5.0	5.0	20	.50		Ge	
4120a	HD5004	15†	5.0	1.0	1.0	5.0					10	6.0		.5m		S1	
4120b∅	1N995	15	10	.50	10	6.0					10	6.0		6m		Ge	
4122	DR459	15*	10	.50	200	10					5.0Δ	6.0	20	.20		Ge	
4122a	ED1890	15	10	1.0	25	10					15	15	50	.40		Ge	
4122b∅#	EW99	15	10	.40	10	10	45	10	55		10	10		5m		Ge	C4
4122c#	OA47	15	10	.40	4.5	10	17	10	60		5.0#	5.0		.10		Ge	A3
4123a	1N815	15	100	1.5	.50	5.0	10	5.0	125		5.0Δ	10		.25		S1	
4123b#	1S73	15Δ	100	1.2	200	10					30	5.0		.70		Ge	
4123c∅	1S87	15	100	1.0	20	10					2.0	0		35m		∅	
4123d∅	1S88	15	100	1.0	25	10					2.0	0		75m		∅	
4123e∅	CGD1031	15	100	.85	25	10									1.0	Ge	A21
4124	LD-70	15	100	1.0	150	15					20∅	6.0	1.5	.10		Ge†	DO7
4126	1N571	15	200	1.0			100	10	55		100	5.0	20	4.0		Ge	
4126a#	ST50	18	10				1000	12	75					.05			

# 4. SWITCHING DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics				CAP. (μf)	STATUS	DESCRIPTION	
			I <sub>f</sub> (ma)	E <sub>f</sub> (volts)	@ 25°C		I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	T (°C)	Test Conditions		Z <sub>rec</sub> (kohms)	@ Time ↑ (μsec)			MAT.	DWG. No.
					I <sub>b</sub> (μa)	E <sub>b</sub> (volts)				FWD. I <sub>f</sub> to E <sub>b</sub> (ma)	REV. (volts)						
4126b	1N811	20	1.0	1.0	1.0	10	10	10	125	5.0Δ	10		.25			Si	
4126c	ED1862	20	2.0	.35	50	6.0				6.0	7.0	50	.25			Ge	
4127	FD243	20	3.0	1.0	5.0	20	25	20	100	5.0	10	100	.50			Si#	A22
4127a#	1S20	20Δ	4.0	.50	55	10				30∅	20		.30			Ge∇	
4127b	HD5000	20†	5.0	1.0	.20	5.0				10	6.0		.5m			Si	
4127c	HD5001	20†	5.0	1.0	1.0	5.0				10	6.0		.5m			Si	
4127d	HD5002	20†	5.0	1.0	.20	5.0				10	6.0		.5m			Si	
4127e	HD5003	20†	5.0	1.0	1.0	5.0				10	6.0		.5m			Si	
4127f∅	TI4	20	5.0	1.0	1.0	10	100	10	100				.10	10		Si	
4127g	FD231	20	6.0	1.5	1.0	20	30	20	100	30	35	400	1.0			Si#	A22
4128	1N252	20	10	1.0	.10	5.0	10	5.0	125	5.0Δ	10		.15			Si	
4128a	1N625A	20	10	1.5	.10	20	30	20	150	30	35	400	.50			Si	
4128b*	1N905	20	10	1.1	.10	20	10	20	100	10	5.0	5.0	4m			Si	A1
4128c*	1N906	20	10	1.0	.10	20	10	20	100	10	5.0	5.0	4m			Si	A1
4128d#	AAZ18	20	10	.41	15	10	50	10	60							Ge∅	A3
4128e	D1820	20	10	1.3									2.5m			Ge∇	
4128f∅	FD192	20	10	1.0	.10	20	100	20	150	10	6.0	.10	2.0m	1.0		Si#	A22
4128g∅	MA4415	20	10	1.1	.10	20	10	20	100	10	5.0	5.0	4m			Si	A1
4128h	RD2266	20	10	1.5	1.0	6.0				10	6.0	2.0	4m			Si	
4129	1N770	20	15	.50			40	10	40	5.0∅	10	15	.35			Ge†	DO7
4130	ED2013	20*	20	.50			25	10	50	20	.10	100	.10		D	Ge	
4131	ED2014	20*	20	.50			25	10	50	20	.10	100	.05		D	Ge	
4131a	UCI328	20	20	1.0	3.0	15	5.0	15	50	10	15	100	.50			Si*	
4132	Q20-250	20	50	1.0	100	20				1.6	3.0		5m			Ge∅	
4133	Q20-500	20	50	1.0	100	20				1.6	3.0		8m			Ge∅	
4134	Q20-750	20	50	1.0	100	20				1.6	3.0		12m			Ge∅	
4135	Q20-950	20	50	1.0	100	20				1.6	3.0		15m			Ge∅	
4136	1N695	20	100	1.0	2.0	10	20	10	70	5.0	20	25	.30			Ge∅	
4136a∅	1N695A	20	100	1.0	2.0	10	20	10	70	Δ			.30			Ge	
4136b∅	1N2801	20	100	.50	2.0	10	400	10	100	100#	100		.50			Ge	
4136c∅	1S89	20	100	1.0	25	10				2.0	0		200m			∅	
4136d	D1248	20	100	1.0	4.0	2.0	40	20	25	4.0	10	20	.10		T	Ge∅	A21
4136e	FD237	20	100	1.0	.50	20	25	20	100	5.0	10	20	.15			Si#	A22
4136f	FD266	20	100	1.0	5.0	20	25	20	100	5.0	10	100	1.0			Si#	A22
4136g	HD2964	20†	100	1.0	10	5.0				10	6.0	2.0	3m			Ge	
4137	1N789	24*	10	1.0	1.0	20	30	20	100A	5.0Δ	20	200	.50			SiΔ	A46
4138	1N791	24*	50	1.0	5.0	20	30	20	100A	5.0Δ	20	200	.50			SiΔ	A46
4139	1N792	24*	100	1.0	5.0	20	30	20	100A	5.0Δ	20	100	.50			SiΔ	A46
4140	DR852	25*	3.0	.60	.15	20				5.0Δ	20	100	.50			Si	
4141	PS720	25*	3.0	1.0	5.0	20	25	20	100A	5.0Δ	10	100	.50			SiΔ	
4141a#	AAZ10	25∅	6.0	1.0	40	10				30	10	20	.50			Ge	
4141b#	SX780	25	10	1.5	10	25	50	25	100	10	20	1.0	.02			Si*	
4141c*#	ZS40	25	10	1.3	.50	25	25	25	100	10	10	10	15m			Si*	C1a
4142	DR664	25*	20	1.5	.20	10	15	20	125	5.0Δ	40	80	.30			Si	
4142a#	GEX951	25	30	.65	10	25	40	25	60							Ge∅	C4
4142b#	GEX952	25	30	.65	10	25	40	25	60							Ge∅	A25
4142c∅	1N996	25	50	25									.30			Ge	
4142d∅#	DK10	25	70	1.0	10	25								.50	T	Ge∅	DO7
4142e*#	CG83H	25	100	1.1	25	25				10	10	1.0	.20	1.0		Ge∅	A38
4142f∅	CGD1032	25	100	.85	30	20								1.0		Ge	A21
4143	PS700	25*	100	1.0	5.0	20	25	20	100A	5.0Δ	10	100	1.0			SiΔ	
4143a	ED2015	30†	1.0	.30	10	10				6.0Δ	7.0	50	80m			Ge†	
4143b	ED2016	30†	1.0	.30	10	10				6.0Δ	7.0	50	.12			Ge†	
4143c	ED2017	30†	1.0	.30	10	10				6.0Δ	7.0	50	.12			Ge†	
4143d	ED2018	30†	1.0	.30	10	10				6.0Δ	7.0	50	.20			Ge†	
4144	1N812	30	2.0	1.0	.10	10	10	10	125	5.0Δ	10		.25			Si	
4145	1N625	30	4.0	1.5	1.0	20	30	20	100	30	35	400	1.0			Si∅	A21
4146	1N251	30	5.0	1.0	.20	10	10	10	100	5.0Δ	10		.15		M	Si	
4147a	1N790	30†	10	1.0	5.0	20	30	20	100	5.0Δ	40	200	.25			Si	A46
4147b*	1N904	30	10	1.0	.10	30	10	30	100	10	5.0	5.0	4m			Si	A1
4147c*	1N907	30	10	1.0	.10	30	10	30	100	10	5.0	5.0	4m			Si	A1
4147d∅	1N917	30	10	1.0	.05	10	25	20	100				3m			Si	
4148	DR498	30*	10	.36	10	10				5.0Δ	20	40	.30			Ge∅	

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

# 4. SWITCHING DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics				CAP. (μμf)	DESCRIPTION				
					@ 25°C		I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	T (°C)	Test Conditions			Z <sub>rec</sub> (kohms)	@ Time t (μsec)	STATUS	MAT.	DWG. No.
					I <sub>f</sub> (ma)	E <sub>f</sub> (volts)						FWD. I <sub>f</sub> (ma)	REV. I <sub>f</sub> to E <sub>b</sub> (volts)						
4149Ø	MA4414	30	10	1.0	.10	30	10	30	100	10	5.0	5.0	4m		S1	A1			
4149a	1N905A	30	20	1.0	.10	20	10	20	100	10	5.0	5.0	.004		S1#				
4149b	1N906A	30	20	1.0	.10	20	10	20	100	10	5.0	5.0	.004		S1#				
4149cØ	2N764	30	50		.10	30	50	30	125A				.50		S1	PNPN			
4149dØ	2N1686	30	50		.10	30	50	30	125				.25		S1	PNPN			
4150#	OA10	30	50	.70	5.0	3.0	10	20	25	10	7.0	10	.50		Ge				
4151	Q30-500	30	50	1.0	100	30				1.6	3.0		8m		GeØ				
4152	Q30-750	30	50	1.0	100	30				1.6	3.0		12m		GeØ				
4153	Q30-950	30	50	1.0	100	30				1.6	3.0		15m		GeØ				
4153aØ	1N835	30	100	1.0			200	30	75	5.0Δ	10	50	.50	1.0	Ge				
4154	DR677	30*	100	1.0	.50	20	25	20	100	30Ø	35	400	1.0		S1				
4154a	FD214	30	100	1.5	.25	30	20	30	100	20	40	80	1.0		S1#	A22			
4154b	FD256	30	100	1.5	.25	30	20	30	100	20	40	80	.50		S1#	A22			
4155	G128	30	100	1.0	2.0	.20	40	20	25	4.0	10	20	.02		Ge				
4155aØ	SP101	30†	100	1.0	.025	20				10	6.0	1ma	2m		S1				
4155bØ#	SFD105	32	10	1.4	220	32				10	14	70	.50		Ge				
4155c	ED2853	35	6.0	1.5	1.0	20	30	20	100	30	35	400	1.0		S1				
4155d	FD230	35	6.0	1.5	1.0	35	100	35	100	30	35	400	1.0		S1#	A22			
4155e	HD6647	35	6.0	1.5	1.0	20	30	20	100	30#	35	400	1.0		S1	A21			
4155f	1N626A	35	10	1.5	.10	35	30	35	150	30	35	400	.50		S1	DO7			
4155g	1N997	35*	10	1.0	.025	12				10	10	40	.15		S1				
4156	DR419	35*	10	.50	20	3.0				30Δ	5.0	25	1.0		S1				
4156a	FD228	35	15	1.5	1.0	35	30	35	100	30	35	400	1.0		S1#	A22			
4156b	FD236	35	15	1.5	1.0	35	30	35	100	30	35	400	1.0		S1#	A22			
4156c	FD218	35	100	1.0	.50	35	10	35	100	30	35	40	1.0		S1#	A22			
4157	CTP2315	36	5.0	1.5	.25	30	20	30	100	5.0	40	400	.30		S1	A21			
4158	SG215	36	5.0	1.5	.25	30	20	30	100	5.0Δ	40		1.0		S1				
4159	CTP2359	36	100	1.5	.25	30	20	30	100	20	40	80	.50		S1	A21			
4160	SG225	36	100	1.5	.25	30	20	30	100	20Δ	40		1.0		S1				
4161*	1N690	36	400	1.0	.25	30	50	30	150	500	30	10	.80		S1	DO7			
4161a	1N920	36	500	1.0	.25	30	50	30	150	500	30	10	.30		S1	DO7			
4162	1N814	40	2.0	1.0	.10	20	10	20	125	5.0Δ	10		.25		S1				
4162a	1N925	40	5.0	1.0	1.0	10	20	10	100	5.0Δ	10	20	.15		S1	A46			
4162b	1N926	40	5.0	1.0	.10	10	10	10	100	5.0Δ	10	20	.15		S1	A46			
4162c	FD112	40	5.0	1.5	.25	30	20	30	100	5.0	40	400	1.0		S1#	A22			
4162f	PS7267	40	5.0	1.0	1.0	10	20	10	100	5.0Δ	10	20	.15		S1Δ				
4162g	PS7268	40	5.0	1.0	1.0	10	10	10	100	5.0Δ	10	20	.15		S1Δ				
4162h*	1N696	40	10	1.0	.015	20	20	20	150	10#	10		5m	N	S1				
4162j*	1N903	40	10	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1	A1			
4162k*	1N908	40	10	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1	A1			
4162m	1N3123	40†	10	1.0			10	40	100	10	5.0		4m		S1	A1			
4162n	CSD2551	40	10	1.0	.20	40	10	40	100	30#	35		.50		S1	A21			
4162pØ	CTP2551	40	10	1.0	.50	40	10	40	100						S1	A21			
4162qØ	DB100	40	10	1.0	.10	30	15	30	150	10	6.0	6.0	4m		S1	A1			
4162r	FD116	40	10	1.5	.10	40	10	40	100	10	5.0	5.0	4m		S1#	A22			
4162s	FD259	40	10	1.0	.20	40	10	40	100	20	40	80	.30		S1#	A22			
4162t	MA4230	40	10	1.0	.014	20	1.0	40	25	10	5.0		4m		S1	A1			
4162uØ	MA4413	40	10	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1	A1			
4162v	PD301	40	10	1.0	.025	20	50	20	150	10	6.0		4m		S1Δ				
4162w	PD302	40	10	1.0	.10	20	10	20	100	10	6.0		4m		S1Δ				
4162x	PD303	40	10	1.0	.10	30	10	30	100	10	6.0		4m		S1Δ				
4162y	PD304	40	10	1.0	.10	40	10	40	100	10	6.0		4m		S1Δ				
4162z	PD306	40	10	1.0	.10	20	50	20	150	10	6.0		4m		S1Δ				
4163	PD307	40	10	1.0	.10	20	10	20	100	10	6.0		4m		S1Δ				
4163a	PD308	40	10	1.0	.10	30	10	30	100	10	6.0		4m		S1Δ				
4163b	PD309	40	10	1.0	.10	40	10	40	100	10	6.0		4m		S1Δ				
4163cØ	TI2	40	10	1.0	.025	10	50	10	150				.01	4.0	S1				
4163dØ	WS100	40	10	1.0	.10	30	15	30	150	10*	6.0	6.0	4m		S1				
4163e	1N904A	40	20	1.0	.10	30	10	30	100	10	5.0	5.0	4m		S1#	A22			
4163f	1N907A	40	20	1.0	.10	30	10	30	100	10	5.0	5.0	4m		S1#	A22			
4163g	1N3124	40†	20	1.0			10	40	100	10	5.0		4m		S1	A1			
4163hØ	DB110	40	20	1.0	.10	30	15	30	150	10	6.0	6.0	4m		S1	A1			
4163j	FD117	40	20	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1#	A22			

SEE FOLD-OUT BACK COVER  
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# 4. SWITCHING DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics				CAP. (μμf)	DESCRIPTION		
			I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)	@ 25°C		I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	@ T (°C)	Test Conditions		Z <sub>rec</sub> (kohms)	@ Time t (μsec)		STATUS	MAT.	DWG. No.
					I <sub>b</sub> (μa)	E <sub>b</sub> (volts)				FWD. I <sub>f</sub> (ma)	REV. to E <sub>b</sub> (volts)						
4163k	1N194A	40∅	40	1.0	10	40				30	35	120	.10		S1		
4163m	Q40-500	40	50	1.0	100	50				1.6	3.0		8m		Ge∅		
4164	Q40-750	40	50	1.0	100	50				1.6	3.0		12m		Ge∅		
4164a	Q40-950	40	50	1.0	100	50				1.6	3.0		15m		Ge∅		
4164b∅	SP102	40†	100	1.0	.025	30				10	6.0	1ma	2m		S1		
4164c∅	WS200	40	100	1.0	.10	30	15	30	150	10*	6.0	6.0	6m		S1		
4164d∅	DW100	40	400	1.0	.10	30	15	30	100	30	35	400	.30		S1	A1	
4164e∅	WA100	40	400	1.0	.10	30	15	30	100	30Δ	35	200	.30		S1		
4164f	FD244	45	5.0	1.0	5.0	45	50	45	100	5.0	40	100	.30		S1#	A22	
4165	FD262	45	50	1.0	5.0	45	50	45	100	5.0	40	100	.50		S1#	A22	
4165a	1N196	50	1.0	2.0	40	50	500	50	150	30	35	350	.10		S1		
4165b	1N194	50	1.5	2.0	60	40	600	40	150	30	35	120	.10		S1		
4165c	1N195	50	2.0	2.0	80	40	700	40	150	30	35	120	.10		S1		
4166	1N626	50	4.0	1.5	1.0	35	30	35	100	30	35	400	1.0		S1∅	A21	
4166a∅#	HS1109	50	5.0	1.5	1.0	50				30#	35	400	1.0		S1*		
4168	PD1	50†	5.0	1.0	1.0	10	25	10	100A	5.0Δ	40	100	1.0		S1Δ		
4168a	PM1	50	5.0	1.0	1.0	10	25	10	100	5.0	40	100	1.0		S1		
4168b	PS721	50*	5.0	1.0	5.0	45	50	45	100A	5.0Δ	40	100	.30		S1Δ		
4168c	TMD50	50†	5.0	.75	100	60							4m		S1Δ		
4169	1N659	50†	6.0	1.0	5.0	50	25	50	100	30Δ	35	400	.30		S1Δ	A1	
4169a	ED2852	50	6.0	1.5	1.0	35	30	35	100	30	35	400	1.0		S1		
4170	HD6642	50	6.0	1.5	1.0	35	30	35	100	30	35	400	1.0		S1∅	A21	
4170a∅	PD124	50	6.0	1.0	5.0	50	25	50	100	30Δ	35	400	.30		S1	A2	
4170b	1N659A	50	10	1.0	.025	50	5.0	50	150	30	35	400	.30		S1	DO7	
4171	1N793	50*	10	1.0	1.0	50	30	50	100A	5.0Δ	40	200	.50		S1Δ	A46	
4172*	1N810	50	10	1.0	1.0	40	2000	40	150	10#	10		.05		S1		
4172a#	AAZ17	50	10	.65	20	10	80	10	60	30#	35	2.0	.50		Ge∅	A3	
4172b	FD100	50	10	1.0	.10	50	100	50	150	10	6.0	6.0	2m		S1#	A22	
4172c	FD101	50	10	1.0	.10	50	100	50	150	10	6.0	6.0	2m		S1#	A22	
4172d∅	MA4303	50†	10	1.0	.025	40	25	40	150	10	5.0		4m		S1		
4172e∅	MA4304	50†	10	1.0	.025	40	25	40	150	10	5.0		4m		S1		
4172f∅	MA4305	50†	10	1.0	.025	20	25	20	150	10	5.0		4m		S1		
4172g∅	MA4306	50†	10	1.0	.025	20	25	20	150	10	5.0		4m		S1		
4172h∅	MC001	50	10	1.0	.10	50	100	50	150	10	6.0	1ma	2m		S1Δ	A2a	
4172j∅	MC103	50	10	1.0	.025	20	50	20	150	10	6.0	1ma	4m		S1Δ	A2a	
4172k∅	MC906	50	10	1.0	.10	20	10	20	100	10	6.0	1ma	4m		S1Δ	A2a	
4172m∅	MC907	50	10	1.0	.10	30	10	30	100	10	6.0	1ma	4m		S1Δ	A2a	
4172n∅	MC908	50	10	1.0	.10	40	10	40	100	10	6.0	1ma	4m		S1Δ	A2a	
4172p*#	ZS41	50	10	1.5	.50	50	25	50	100	10	10	10	40m		S1*	C1a	
4172q	ED2850	50	15	1.5	1.0	35	30	35	100	30	35	400	1.0		S1		
4173	HD6635	50	15	1.5	1.0	35	30	35	100	30	35	400	1.0		S1∅	A21	
4173a∅#	HS1106	50	15	1.5	1.0	50				30#	35	400	1.0		S1*		
4173b	1N903A	50	20	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1#	A22	
4173c	1N908A	50	20	1.0	.10	40	10	40	100	10	5.0	5.0	4m		S1#	A22	
4174	PD021	50†	20	1.0	.50	10	25	10	100A	5.0Δ	40	100	.30		S1Δ		
4174a	PM021	50	20	1.0	.50	10	25	10	100	5.0	40	100	.30		S1		
4174b	TMD24	50	20	.85	.50	50	30	50	100	5.0Δ	40	400	.30		S1Δ		
4174c∅#	HS1103	50	30	1.5	1.0	50				30#	35	400	1.0		S1*		
4174d∅	MA4245	50†	30	1.0	.10	50	100	50	150	10	5.0	100	4m	2.0Δ	S1Δ		
4175	1N795	50*	50	1.0	5.0	50	30	50	100A	5.0Δ	40	200	.50		S1Δ	A46	
4175a∅	1N915	50	50	1.0	.025	10	5.0	10	100				.01		S1		
4175b	FD248	50	50	1.0	.50	50	20	50	100	5.0	40	200	.20		S1#	A22	
4176	PS701	50*	50	1.0	5.0	45	50	45	100A	5.0Δ	40	100	.50		S1Δ		
4177	Q50-500	50	50	1.0	100	50				1.6	3.0		8m		Ge∅		
4178	Q50-750	50	50	1.0	100	50				1.6	3.0		12m		Ge∅		
4179	Q50-950	50	50	1.0	100	50				1.6	3.0		15m		Ge∅		
4179a#	1S301	50†	100		5.0	50	25	50	100	30Δ	35	400	.30		S1		
4179b#	CG82H	50	100	1.1	50	50				10	10	1.0	.20		Ge∅	A38	
4180	DR362	50*	100	1.0	50	20				40Δ	10	20	.30		Ge∅		
4181	DR481	50*	100	1.0	100	20				5.0Δ	20	50	1.0		Ge∅		
4182	DR672	50*	100	1.0	.50	35	10	35	100	30∅	35	400	1.0		S1		
4183	DR827	50*	100	1.0			50	40	150	5.0Δ	40	200	1.0		S1		
4183a	FD222	50	100	1.0	.05	50	25	50	150	500	50	103	1.0		S1#	A22	

# 4. SWITCHING DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics				CAP. (μμf)	DESCRIPTION				
					@ 25°C		I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	@ T (°C)	Test Conditions			Zrec (kohms)	@ Time t (μsec)	S T A T U S	MAT.	DWG. No.
					I <sub>f</sub> (ma)	E <sub>f</sub> (volts)						FWD. I <sub>f</sub> (ma)	REV. I <sub>f</sub> to E <sub>b</sub> (volts)						
4183b	SP103	50†	100	1.0	.025	40					10	6.0	1ma	2m			S1		
4184	1N840	50	150	1.0	.10	40	15	40	100		30Δ	35	400	.30			S1		
4184a	PD400	50	150	1.0	.05	20	10	20	100		10	6.0		6m			S1	A2	
4185	1N119	60	5.0	1.0			125	50	5		30	35	50	.50			Ge		
4186	1N120	60	5.0	1.0			250	50	55		30	35	50	.50			Ge		
4187	1N480	60	5.0	1.0	Solder in Version of 1N119														
4188	1N490	60	5.0	1.0	Solder in Version of 1N120														
4188a	FD252	60	5.0	1.5	.25	60	20	60	100		5.0	40	400	.30			S1#	A22	
4189	G2	60	5.0	1.0	50	20	125	50	25		30Δ	35	200	.20			Ge		
4190#	OA41	60	5.0	1.0	7.0	10	450	90	25		30	35	400	3.5			Ge		
4191	OA86	60*	5.0	1.0	30	60	75	60	60		30	35	50	.50			Ge	A7	
4192#	OA186	60	5.0	1.0	8.0	10	100	40	55		30	35	50	.50			Ge		
4192a	MC659	60	6.0	1.0	5.0	50	25	50	100				400	.30		T	S1Δ		
4193	1N632	60	7.0	1.0	120	60					5.0	40	50	.30			Ge	DO7	
4194	G18	60	7.5	1.0	20	10	120	60	25		5.0Δ	40	400	.20			Ge		
4195	1N418	60	8.0	1.0	120	60					5.0	40	50	.30			Ge		
4195a	1N794	60†	10	1.0	5.0	50	30	50	100		5.0Δ	40	200	.25			S1	A46	
4196	G107	60	10	1.0	50	50					5.0Δ	40	400	.10			Ge		
4197	G108	60	10	1.0	100	50					5.0Δ	40	400	.10			Ge		
4197a	PD311	60	10	1.0	.10	50	100	50	150		10	6.0		4m			S1Δ		
4198#	SX781	60	10	1.5	10	60	50	60	100		10	20	1.0	.02			S1*		
4199	G17	60	15	1.0	20	10	120	60	25		5.0Δ	40	400	.20			Ge		
4200	DR500	60*	20	1.0	12	25					5.0Δ	40	500	.50			S1		
4200b	1N924	60	30	1.0	.025	60	5.0	60	150		30∅	20	400	2.0			Ge∅		
4200c#	AAV11	60	30	3.0	92	60	200	60	60		5.0#	5.0		.10			Ge	A3	
4200d	FD257	60	30	1.5	.25	60	20	60	100		20	40	80	.50			S1#	A22	
4201	G127	60	30	1.0	20	10	100	50	25		5.0Δ	40	200	.10			Ge		
4201a	1N760	60	40	1.0	500	50	200	10	75		26	26		.10			Ge∅	DO7	
4202	T16	60*	40	1.0							5.0	40	80	.30			Ge∅		
4202a	T16G	60	40	1.0	100	50					5.0	40	80	.30			Ge∅		
4203	1N417	60	50	3.5	120	60					5.0	40	80	.30			Ge		
4204	1N631	60	50	3.5							5.0	40	80	.30			Ge	DO7	
4204a	1N891	60	50	1.0	.10	50	25	50	100		5.0Δ	40	80	.30			S1		
4204b	2N765	60	50		10	60	50	60	125A					.50			S1	PNPN	
4204c	2N1687	60	50		10	60	50	60	125					.25			S1	PNPN	
4204d	DK11	60	50	1.0	35	60									.50	T	Ge∅	DO7	
4205	Q60-500	60	50	1.0	100	60					1.6	3.0		8m			Ge∅		
4206	Q60-750	60	50	1.0	100	60					1.6	3.0		12m			Ge∅		
4207	Q60-950	60	50	1.0	100	60					1.6	3.0		15m			Ge∅		
4207a	RD2121	60	50	1.0	.50	50	20	50	100		5.0Δ	40	200	.20			S1		
4207d	1N777	60*	100	1.0			125	50	55A		30∅	40	50	.50			Ge∅	DO7	
4207e	1N788	60	100	1.0	500	50	200	10	75		26	26		.20			Ge∅	DO7	
4207f	1N796	60†	100	1.0	5.0	50	30	50	100		5.0Δ	40	100	.50			S1	A46	
4208	DR482	60*	100	1.0	15	40					25Δ	35	43	.40			Ge∅		
4208a	FD215	60	100	1.5	.25	60	20	60	100		20	40	80	1.0			S1#	A22	
4209	PS7269	65	5.0	1.0	1.0	10	25	50	100		5.0Δ	10	20	.15			S1Δ		
4209a	1N927	65	10	1.0	.10	10	10	10	100		5.0Δ	10	20	.15			S1	A46	
4209b	CMD7103	67†	10	1.0	.10	50	100	50	150		10	6.0	100	4.0m			S1	A21	
4209c	ED1806	70	1.5	1.0			50	10	55		30	35	50	.50			Ge		
4210	1N192	70	5.0	1.0	20	10	50	70	50		30	35	50	.50			Ge	A21	
4211	CTP2312	70	5.0	1.5	.25	60	20	60	100		5.0	40	400	.30			S1	A21	
4212	CTP2316	70	5.0	1.5	.25	0	20	60	100		5.0	40	400	.30			S1	A21	
4213	SG211	70	5.0	1.5	.25	60	20	60	100		5.0Δ	40		.30			S1		
4214	SG216	70	5.0	1.5	.25	60	20	60	100		5.0Δ	40		1.0			S1		
4215	DR562	70*	10	.75	.10	50	50	50	150		10Δ	20	25	.40			S1		
4216	1N818	70	30	1.5	.25	60	20	60	100		20	40	80	.50			S1	A21	
421	1N934	70	30	1.0	.025	60	5.0	60	100		30	35	400	1.0			S1*		
421a	CTP2375	70	30	1.5	.25	60	20	60	100		20Δ	40	80	.50			S1	A21	
4218b	SG221	70	30	1.5	.25	60	20	60	100		20Δ	40		.50			S1		
4219	SG226	70	100	1.5	.25	60	20	60	100		20Δ	40		1.0			S1		
4220*	1N691	70	400	1.0	.25	60	50	60	150		500	50	10	.80			S1	DO7	
4220a	1N921	70	500	1.0	.25	60	50	60	150		500	50	10	.30			S1	DO7	
4221	DR295	75*	1.0	.20	4.0	2.0	50	50	25		30Δ	35	20	1.0			Ge∅		

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.



# 4. SWITCHING DIODES



LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No

LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics				CAP.	DESCRIPTION		
			I <sub>f</sub> (ma)	E <sub>f</sub> (volts)	@ 25°C		I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	T (°C)	Test Conditions		Z <sub>rec</sub> (kohms)	@ Time † (μsec)		STATUS	MAT.	DWG. No.
					I <sub>b</sub> (μa)	E <sub>b</sub> (volts)				FWD. I <sub>f</sub> (ma)	REV. to E <sub>b</sub> (volts)						
4222	DR407	75*	5.0	1.0			12	6.0	55	5.0∅	10	50	.50		Ge∅		
4222a	FD245	75	5.0	1.0	5.0	75	50	75	100	5.0	40	100	.30		S1#	A22	
4222b	FD232	75	6.0	1.5	1.0	75	30	75	100	30	35	400	1.0		S1#	A22	
4222c	1N627A	75	10	1.5	.10	75	30	75	150	30	35	400	.50		S1	DO7	
4222d	1N914	75	10	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1	DO7	
4222e	1N914M	75	10	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1	A2	
4222f	1N916	75	10	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1	DO7	
4222g#	1S914	75	10	1.0	5.0	75	50	20	150	10	6.0	6.0	4m		S1		
4222h#	1S916	75	10	1.0	5.0	75	50	20	150	10	6.0	6.0	4m		S1		
4222j∅	CD6111	75	10	1.0	.10	50	100	50	150	10	6.0	6.0	2m		S1	A23	
4222k∅	SP100	75†	10	1.0	.10	50				10	6.0	1ma	2m		S1		
4222m	FD234	75	15	1.5	1.0	75	30	75	100	30	35	400	1.0		S1#	A22	
4222n∅	1N916B	75	20	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1		
4222p∅	CD6112	75	20	1.0	.10	50	100	50	150	10	6.0	6.0	2m		S1	A23	
4223	DR401	75*	20	.50			125	50	55	30∅	35	50	.50		Ge∅		
4224	DR403	75*	20	.50	100	50				5.0∅	40	80	.30		Ge∅		
4225	DR404	75*	20	.50	100	50				5.0∅	40	50	.30		Ge∅		
4226	DR418	75*	40	.50			10	4.0	55	20Δ	10	10	.50		Ge∅		
4227	DR437	75*	40	.50			20	4.0	55	30Δ	10	10	.50		Ge∅		
4228	OMC351	75§	40	1.0	100	10	1000	50	25	5.0∅	40	400	1.0		Ge∅		
4229	DR422	75*	50	1.0	300	500				5.0Δ	40	50	.30		Ge∅		
4229a	FD263	75	50	1.0	5.0	75	50	75	100	5.0	40	100	.50		S1#	A22	
4229b	FD264	75	50	1.0	5.0	75	50	75	100	5.0	40	100	.50		S1#	A22	
4229c	FD265	75	50	1.0	5.0	75	50	75	100	5.0	40	100	.50		S1#	A22	
4229d	FD267	75	75	1.0	20	75	50	75	100	5.0	40	200	1.0		S1#	A22	
4229e∅	1N914B	75	100	1.0	.025	20	50	20	150	10	6.0	6.0	4m		S1		
4229f#	CG81H	75	100	1.1	75	75				10	10	1.0	.20		Ge∅	A38	
4229g	FD219	75	100	1.0	.50	75	10	75	100	30	35	40	1.0		S1#	A22	
4230	OMC213	75§	100	1.0	20	10	50	50	25	5.0∅	40	400	.30		Ge∅		
4231	OMC218	75§	100	1.0	20	10	100	50	25	5.0∅	40	400	.60		Ge∅		
4231a∅	SP104	75†	100	1.0	.025	50				10	6.0	1ma	2m		S1		
4231b∅	FD400	75	150	1.0	.10	75	100	75	150	200	20	4.0	75m		S1#	A22	
4232	DR211	75*	200	1.0	100	50				5.0Δ	40	50	.30		Ge∅		
4233	DR408	75*	200	1.0	100	50				5.0Δ	40	80	.30		Ge∅		
4234	OMC113	75§	200	1.0	10	10	50	50	25	5.0∅	40	400	.20		Ge∅		
4235	OMC118	75§	200	1.0	20	10	100	50	25	5.0∅	40	400	.50		Ge∅		
4235a∅	1N933	80	4.0	1.0	10	10	75	10	75A	5.0Δ	40	80	.40	M	Ge∇		
4235b	FD113	80	5.0	1.5	.25	60	20	60	100	5.0	40	400	1.0		S1#	A22	
4236	1N662	80*	10	1.0	1.0	10	100	50	100A	5.0Δ	40	100	.50	A	S1#	A1	
4236a	PD305	80	10	1.0	.025	20	50	20	150	10	6.0		4m		S1Δ		
4236b	PD310	80	10	1.0	.025	20	50	20	150	10	6.0		4m		S1Δ		
4237	HD2762	80	20	1.0	50	50				30∅	35		1.0		Ge∇		
4238	HD2763	80	20	1.0	100	50				30∅	35	200	1.0		Ge∇		
4238a	1N198B	80	25	1.0	10	10	75	10	75	2.0Δ	6.0	100	.30		Ge∇	DO7	
4239	HD2764	80	50	1.0	50	50				30∅	35	200	1.0		Ge∇		
4240	HD2765	80	50	1.0	100	50				30∅	35	200	1.0		Ge∇		
4241	PS703	80*	50	1.0	5.0	75	50	75	100A	5.0Δ	40	100	.50		S1Δ		
4242	PS704	80#	50	1.0	5.0	75	50	75	100A	5.0Δ	40	100	.50		S1Δ		
4243	PS705	80∇	50	1.0	5.0	75	50	75	100A	5.0Δ	40	100	.50		S1Δ		
4244	PS702	80*	75	1.0	20	75	50	75	100A	5.0Δ	40	200	1.0		S1Δ		
4245	Q80-500	80	80	1.0	100	80				1.6	3.0		8m		Ge∅		
4246	Q80-750	80	80	1.0	100	80				1.6	3.0		12m		Ge∅		
4247	Q80-950	80	80	1.0	100	80				1.6	3.0		15m		Ge∅		
4248	1N663	80*	100	1.0	5.0	75	50	75	100A	5.0Δ	40	200	.50	A	S1Δ	DO7	
4248a	1N663M	80*	100	1.0			250	75	70	5.0∅	40	50	.30		Ge†	A2	
4249	1N699	80§	100	1.0			250	75	70	5.0∅	40	50	.30		Ge†	DO7	
4250a	1N419	80	150	1.0	180	90				5.0	40	25	.30		Ge		
4250c	GA53596	80	250	1.0	500	80							.40	T	S1Δ		
4250d	SG1691	80	400	1.0	.25	60	50	60	150	500	50	10	.50		S1		
4251	PS722	85*	5.0	1.0	5.0	75	50	75	100A	5.0Δ	40	100	.30		S1		
4251a∅	PD126	85	10	1.0	1.0	10	20	10	100	5.0Δ	40	100	.50		S1	A2	
4252	DR402	85*	20	.50			250	50	55	30∅	35	50	.50		Ge∅		
4252a∅	PD127	85	100	1.0	5.0	75	50	75	100	5.0Δ	40	200	.50		S1	A2	

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# 4. SWITCHING DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics				CAP. (μμf)	S T A T U S	DESCRIPTION		
			I <sub>f</sub> (ma)	E <sub>f</sub> (volts)	@ 25°C		I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	@ E <sub>b</sub> (volts)	@ T (°C)	Test Conditions		Z <sub>rec</sub> (kohms)			@ Time ↑ (μsec)	MAT.	DWG. No.
					I <sub>b</sub> (μa)	E <sub>b</sub> (volts)					FWD. I <sub>f</sub> (ma)	REV. to E <sub>b</sub> (volts)						
4253	1N191	90	5.0	1.0	25	10	125	50	25	30	35	50	.50			Ge	A21	
4253a	ED1872	90	5.0	1.0	25	10	125	50		30	35	50	.30			Ge		
4254a	SC7C	90	40	1.0	200	1.0						50	.40		T	□		
4254b	SC7D	90	40	1.0	200	1.0						50	.40		T	□		
4255	T15	90*	125	1.0						5.0	40	25	.30			Ge		
4256	T15G	90‡	125	1.0						5.0	40	25	.30			Ge		
4257	Q100-500	100	1.0	1.0	100	100				1.6	3.0		8m			Ge		
4258	Q100-750	100	1.0	1.0	100	100				1.6	3.0		12m			Ge		
4259	Q100-950	100	1.0	1.0	100	100				1.6	3.0		15m			Ge		
4260	1N627	100	4.0	1.5	1.0	75	30	75	100	30	35	400	1.0			S1	A21	
4260a	1N251A	100	5.0	1.0	.10	10	10	10	125	5.0	10	20	.15			S1	DO7	
4260b#	HS1108	100	5.0	1.5	1.0	100				30#	35	400	1.0			S1*		
4261	PD031	100†	5.0	1.0	.50	10	25	10	100A	5.0Δ	40	100	.30			S1Δ		
4261a	PM031	100	5.0	1.0	.50	10	25	10	100	5.0	40	100	.30			S1		
4262	1N660	100†	6.0	1.0	5.0	100	50	100	100	30Δ	35	400	.30			S1Δ	A1	
4262a	ED2854	100	6.0	1.5	1.0	75	30	75	100	30	35	400	1.0			S1		
4263	HD6648	100	6.0	1.5	1.0	75	30	75	100	30	35	400	1.0			S1	A21	
4263b	1N252A	100	10	1.0	.10	10	10	10	125	5.0	10	40	.15			S1	DO7	
4263c	1N660A	100	10	1.0	.025	100	5.0	100	150	30	35	400	.30			S1	DO7	
4264	1N778	100	10	1.0	.50	100	30	100	125	5.0	40	400	.30			S1	A21	
4264a∅	MC662	100	10	1.0	1.0	10	20	10	100	5.0	40	100	.30		T	S1Δ	A2a	
4264b∅	MC914	100	10	1.0	.025	20	50	20	150	10	6.0	1ma	4m		T	S1Δ	A2a	
4264c∅	MC916	100	10	1.0	.025	20	50	20	150			4m			T	S1Δ		
4264d	PM041	100	10	1.0	.025	10	5.0	10	100	5.0	40	200	.30			S1		
4264e*#	ZS42	100	10	1.5	.50	100	25	100	100	10	10	10	40m			S1*	C1a	
4264f	ED2856	100	15	1.5	1.0	75	30	75	100	30	35	400	1.0			S1		
4265	HD6651	100	15	1.5	1.0	75	30	75	100	30	35	400	1.0			S1	A21	
4265a#	HS1105	100	15	1.5	1.0	100				30#	35	400	1.0			S1*		
4265b	1N914A	100	20	1.0	.025	20	50	20	150	10	6.0	6.0	4m			S1#	A22	
4265c	1N916A	100	20	1.0	.025	20	50	20	150	10	6.0	6.0	4m			S1#		
4266	PD034	100†	20	1.0	.50	10	25	10	100A	5.0Δ	40	100	.30			S1Δ		
4266a	TMD25	100	20	.85	.50	100	300	100	100	5.0Δ	40	400	.30			S1Δ		
4266b∅	1N3257	100	30	1.0	.025	20	25	50	150	10	6.0	6.0	3m	2.0		S1	A22	
4266c#	HS1102	100	30	1.5	1.0	100				30#	35	400	1.0			S1*		
4266d∅	MA4307	100†	30	1.0	.05	75	50	75	150	10	5.0		4m			S1		
4266e∅	MA4308	100†	30	1.0	.05	75	50	75	150	10	5.0		4m			S1		
4266f∅	2N766	100	50		10	100	50	100	125A				.50			S1	PNPN	
4266g∅	2N1688	100	50		10	100	50	100	125A				.50			S1	PNPN	
4266h#	DK12	100	50	1.0	60	100									T	Ge	DO7	
4266j∅	DW130	100	50	1.0	.025	75	5.0	75	150	5.0	6.5	6.5	4m	4.0Δ		S1	A22	
4266k	FD249	100	50	1.0	.50	100	20	100	100	5.0	40	200	.20			S1#	A22	
4267	1N658	100	100	1.0	.05	50	25	50	150	5.0	40	80	.30		A	S1	DO7	
4267a∅	1N658A	100	100	1.0	.025	50				5.0	40	80	.30			S1		
4267b	1N658M	100	100	1.0	.05	50	25	50	150	5.0	40	80	.30			S1	A2	
4268	1N662A	100	100	1.0						5.0	40	100	.50			S1	A21	
4269	1N663A	100	100	1.0						5.0	40	200	.30			S1	A46	
4269a∅	1N3258	100	100	1.0	.025	20	25	50	150	10	6.0	6.0	4m	4.0		S1	A22	
4269b#	1S302	100†	100		5.0	100	50	100	100	30Δ	35	400	.30		T	S1		
4269c#	CG80H	100	100	1.1	100	100				10	10	1.0	.20			Ge	A38	
4269d∅	DB120	100	100	1.0	.10	75	15	75	150	10	6.0	6.0	3m			S1	A1	
4270	DR673	100*	100	1.0	.50	75	10	75	100	30	35	400	1.0			S1		
4270a	DR999	100†	100	1.0	.05	50	25	50	150	5.0Δ	40	1m	.20			S1	DO7	
4270b∅	MC663	100	100	1.0	5.0	75	50	75	100	5.0	40	200	.50		T	S1Δ	A2a	
4270c∅	PD128	100	100	1.0	.05	50	25	50	150	5.0Δ	40	80	.30			S1	A2	
4270d∅	SP105	100†	100	1.0	.025	75				10	6.0	1ma	2m			S1		
4270e∅	WS300	100	100	1.0	.10	75	15	75	150	10*	6.0	6.0	3m			S1		
4271	1N837	100	150	1.0						30	35	400	.50			S1	A21	
4272	1N837A	100	150	1.0	.10	80	15	80	100	30Δ	35	400	.30			S1		
4273	1N844	100	200	1.0	.10	80	15	80	100	30Δ	35	400	.50			S1	A21	
4274	DR661	100*	300	1.0	.05	80	10	80	100	5.0Δ	40	80	.30			S1		
4274a∅	DW110	100	400	1.0	.10	75	15	75	100	30	35	400	.30			S1	A1	
4274b∅	DW120	100	400	1.0	.025	75	25	75	150	5.0	6.5	6.5	4m			S1	A22	
4274c∅	WA200	100	400	1.0	.10	75	15	75	100	30Δ	35	200	.30			S1		

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

# 4. SWITCHING DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No



LINE No.	TYPE No.	Max. Cont. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics				CAP. (μf)	STATUS	DESCRIPTION			
					@ 25°C		I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	T (°C)	Test Conditions				Z <sub>rec</sub> (kohms)	@ Time † (μsec)	MAT.	DWG. No.
					I <sub>f</sub> (ma)	@ E <sub>f</sub> (volts)						FWD. I <sub>f</sub> (ma)	REV. to E <sub>b</sub> (volts)						
4274d	1N922	100	500	1.0	.25	90	50	90	150	500	50	10	.30			S1	DO7		
4275	1N806	110	4.0	1.0	.50	100	50	100	125	5.0Δ	40		.30			S1			
4276	1N808	110	100	1.0	1.0	100	50	100	125	30Δ	35		.30			S1			
4276a*	1N2146	120	.50	1.1	1.0	50	2000	50	150	100#	100		.10	R		S1			
4276b	PS7270	120	5.0	1.0	1.0	10	10	25	50	5.0Δ	10	20	.15			S1Δ			
4276c	1N797	120†	10	1.0	1.0	100	30	100	100	5.0Δ	40	200	.50			S1	A46		
4276d	1N798	120†	10	1.0	5.0	100	30	100	100	5.0Δ	40	200	.25			S1	A46		
4276e	1N928	120	10	1.0	.10	10	10	10	100	5.0Δ	10	20	.15			S1	A46		
4276f∅	HD4019	120†	10	1.0	5.0	100	30	100	100	5.0Δ	20	200	.25			S1			
4276g∅	MC928	120	10	1.0	.10	10	25	50	100			20	.15	4.0	T	S1Δ			
4277#	SX782	120	10	1.5	10	120	50	120	100	10	20	1.0	.02			S1*			
4277a	1N799	120†	50	1.0	5.0	100	30	100	100	5.0Δ	40	200	.50			S1	A46		
4277b	1N892	120	50	1.0	.10	100	25	100	100	5.0Δ	40	80	.30			S1			
4277e	RD2122	120	50	1.0	.50	100	20	100	100	5.0Δ	40	200	.20			S1			
4277f	1N800	120†	100	1.0	5.0	100	30	100	100	5.0Δ	40	100	.50			S1	A46		
4278	DR688	120*	100	1.0			50	100	125	5.0Δ	40	100	.20			S1			
4278a∅	MC658	120	100	1.0	.05	50	25	50	150	5.0	40	80	.30	T		S1Δ	A2a		
4279	DR521	120*	120	1.0	.05	100	25	100	100	5.0Δ	40	80	.30			S1			
4279a*	1N697	120	250	1.0	1.0	50	800	50	150	100#	100		.10	N		S1			
4279b	FD247	125	4.0	1.0	20	125	100	125	100	5.0	40	100	.30			S1#	A22		
4279c	FD212	125	5.0	1.5	.25	125	20	125	100	5.0	40	400	1.0			S1#	A22		
4279d	FD253	125	5.0	1.5	.25	125	20	125	100	5.0	40	400	.30			S1#	A22		
4279e	FD227	125	6.0	1.5	1.0	125	30	125	100	5.0	40	400	1.0			S1#	A22		
4279f	1N628A	125	10	1.5	.10	125	30	125	150	30	35	400	.50			S1	DO7		
4280	1N801	125*	10	1.0	1.0	125	30	125	100A	5.0Δ	40	200	.50			S1Δ	A46		
4280b	FD229	125	15	1.5	1.0	125	100	125	100	30	35	400	1.0			S1#	A22		
4280c	FD241	125	30	1.5	.25	125	20	125	100	20	40	80	.50			S1#	A22		
4281	1N802	125*	50	1.0	5.0	125	50	125	100A	5.0Δ	40	200	.50			S1Δ	A46		
4281b	CSD2542	125	100	1.0			30	125	100	30#	35		.50			S1	A21		
4281c∅	CTP2542	125	100	1.0	.20	125	30	125	100							S1	A21		
4281d	FD216	125	100	1.5	.25	125	20	125	100	20	40	80	1.0			S1#	A22		
4281e	FD220	125	100	1.0	.50	125	10	125	100	30	35	40	1.0			S1#	A22		
4281f	FD258	125	100	1.0			30	125	100	5.0	40	200	.30			S1#	A22		
4281g∅	SP106	125†	100	1.0	.025	100				10	6.0	1ma	2m			S1			
4282	CTP2310	130	5.0	1.5	.25	125	20	125	100	5.0	40	400	1.0			S1	A21		
4283	CTP2313	130	5.0	1.5	.25	125	20	125	100	5.0	40	400	.30			S1	A21		
4284	SG212	130	5.0	1.5	.25	125	20	125	100	5.0Δ	40		.30			S1			
4285	SG217	130	5.0	1.5	.25	125	20	125	100	5.0Δ	40		1.0			S1			
4286	SG222	130	30	1.5	.25	125	20	125	100	20Δ	40		.50			S1			
4287	SG227	130	100	1.5	.25	125	20	125	100	20Δ	40		1.0			S1			
4288	1N692	130	400	1.0	.25	120	50	120	150	500	50	10	.80			S1	DO7		
4288a	1N923	130	500	1.0	.25	120	50	120	150	500	50	10	.30			S1	DO7		
4289	PS724	135Δ	4.0	1.0	20	125	100	125	100A	5.0Δ	40	100	.30			S1Δ			
4290	1N628	150	4.0	1.5	1.0	125	30	125	100	30	35	400	1.0			S1∅	A21		
4290a∅#	HS1107	150	5.0	1.5	1.0	150				30#	35	400	1.0			S1*			
4291	HD6573	150	6.0	1.5	1.0	125	30	125	100	30	35	400	1.0			S1∅			
4291a	CSD2552	150	10	1.0	.50	150	10	150	100	30#	35		.50			S1	A21		
4291b∅	CTP2552	150	10	1.0			10	150	100							S1	A21		
4291c	FD260	150	10	1.0	.50	150	10	150	100	20	40	80	.30			S1#	A22		
4291d	ED2851	150	15	1.5	1.0	125	30	125	100	30	35	400	1.0			S1			
4292	HD6641	150	15	1.5	1.0	125	30	125	100	30	35	400	1.0			S1∅	A21		
4292a∅#	HS1104	150	15	1.5	1.0	150				30#	35	400	1.0			S1*			
4292b∅#	HS1101	150	30	1.5	1.0	150				30#	35	400	1.0			S1*			
4292c	FD250	150	50	1.0	.50	150	25	150	100	5.0	40	200	.20			S1#	A22		
4292d∅	HD4020	150†	50	1.0	1.0	120	30	120	100	5.0Δ	20	200	.50			S1			
4292e∅	1N3070	150	100	1.0	.10	150	100	150	150	30	5.0	5.0	.05			S1	A22		
4293	DR674	150*	100	1.0	.50	125	10	125	100	30∅	35	400	1.0			S1			
4293a	FD200	150	100	1.0	.10	150	100	150	150	30	5.0	5.0	.05			S1#	A22		
4293b∅	MC002	150	100	1.0	.10	150	100	150	150	10	6.0	1ma	.05	T		S1Δ	A2a		
4294	1N838	150	150	1.0						30	35	400	.50			S1	A21		
4295	1N841	150	150	1.0	.10	120	15	120	100	30Δ	35	400	.30			S1			
4296∅	DW200	150	400	1.0	.10	125	15	125	100	30	35	400	.30			S1	A1		
4296a∅	WA300	150	400	1.0	.10	125	15	125	100	30Δ	35	200	.30			S1			

SEE FOLD-OUT BACK COVER  
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# 4. SWITCHING DIODES

LISTED IN ORDER OF MAXIMUM WORKING VOLTAGE, MINIMUM FORWARD CURRENT, and TYPE No



LINE No.	TYPE No.	Max. Cent. Working Voltage (volts)	Minimum Forward Current		MAX. REVERSE CURRENT					Recovery Characteristics			CAP.	S T A T U S	DESCRIPTION		
			I <sub>f</sub> (ma)	E <sub>f</sub> (volts)	I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	I <sub>b</sub> (μa)	E <sub>b</sub> (volts)	T (°C)	Test Conditions		Z <sub>rec</sub> (kohms)			Time t (μsec)	MAT.	DWG. No.
										FWD. I <sub>f</sub> (ma)	REV. to E <sub>b</sub> (volts)						
4296b	FD246	175	3.0	1.0	20	175	100	175	100	5.0	40	100	.30		S1#	A22	
4296c	FD213	175	5.0	1.5	.25	175	50	175	100	5.0	40	400	1.0		S1#	A22	
4296d	FD254	175	5.0	1.5	.25	175	50	175	100	5.0	40	400	.30		S1#	A22	
4296e	FD233	175	6.0	1.5	1.0	175	30	175	100	30	35	400	1.0		S1#	A22	
4296f	1N629A	175	10	1.5	.10	175	30	175	150	30	35	400	.50		S1	DO7	
4297	1N643	175*	10	1.0	.025	10	15	100	100A	5.0Δ	40	200	.30	A	S1	DO7	
4297a	1N643M	175*	10	1.0	.025	10	15	100	100A	5.0Δ	40	200	.30		S1Δ	A2	
4298	1N779	175	10	1.0	.50	175	30	175	125	5.0	40	400	.30		S1	A21	
4298b	FD235	175	15	1.5	1.0	175	30	175	100	30	35	400	1.0		S1#	A22	
4298c	FD255	175	30	1.5	.25	175	50	175	100	20	40	80	.50		S1#	A22	
4299	1N804	175*	50	1.0	10	175	50	175	100A	5.0Δ	40	200	.50		S1Δ	A46	
4299b	RD2123	175	50	1.0	.50	150	25	150	100	5.0Δ	40	200	.20		S1		
4299c	FD217	175	100	1.5	.25	175	50	175	100	20	40	80	1.0		S1#	A22	
4299d	FD221	175	100	1.0	.50	175	10	175	100	30	35	40	1.0		S1#	A22	
4300	PS723	180Δ	3.0	1.0	20	175	100	175	100A	5.0Δ	40	100	.30		S1Δ		
4301	CTP2314	180	5.0	1.5	.25	175	50	175	100	5.0	40	400	.30		S1		
4302	CTP2317	180	5.0	1.5	.25	175	50	175	100	20	40	80	.50		S1	A21	
4303	SG213	180	5.0	1.5	.25	175	50	175	100	5.0Δ	40		.30		S1		
4304	SG218	180	5.0	1.5	.25	175	50	175	100	5.0Δ	40		1.0		S1		
4305	CTP2325	180	30	1.5	.25	175	50	175	100	20	40	80	.50		S1	A21	
4306	SG223	180	30	1.5	.25	175	50	175	100	20Δ	40		.50		S1		
4307	SG228	180	100	1.5	.25	175	50	175	100	20Δ	40		1.0		S1		
4308	1N693	180	400	1.0	.25	160	50	160	150	5.0Δ	40	100	.50		S1	DO7	
4309	1N629	200	4.0	1.5	1.0	175	30	175	100	30	35	400	1.0		S1∅	A21	
4310	1N807	200	4.0	1.0	.50	175	50	175	125	5.0Δ	40		.30		S1		
4310a∅	MC629	200	4.0	1.5	1.0	175	30	175	100			400	1.0	T	S1Δ		
4311	DR833	200*	5.0	1.5	.25	175	50	175	100	5.0Δ	40	400	.30		S1		
4312	1N661	200†	6.0	1.0	10	200	100	200	100	30Δ	35	400	.30		S1Δ	A1	
4312a	ED2855	200	6.0	1.5	1.0	175	30	175	100	30	35	400	1.0		S1		
4313	HD6649	200	6.0	1.5	1.0	175	30	175	100	30	35	400	1.0		S1∅	A21	
4313b	1N661A	200	10	1.0	.025	200	5.0	200	150	30	35	400	.30		S1		
4313c	1N803	200†	10	1.0	5.0	175	50	175	100	5.0Δ	40	200	.50		S1	A46	
4313d∅	MC643	200	10	1.0	.025	10	15	100	100	5.0	40	200	.30	T	S1Δ	A2a	
4314	PD041	200†	10	1.0	5.0	10	2.0	10	100A	5.0Δ	40	200	.30		S1Δ		
4315	PD042	200†	10	1.0	.50	10	25	10	100A	5.0Δ	40	200	.30		S1Δ		
4315a	PD109	200†	10	1.0	.025	10	5.0	10	100			200	.30		S1	A2	
4315c	PM042	200	10	1.0	.50	10	25	10	100	5.0	40	200	.30		S1		
4315d	ED2857	200	15	1.5	1.0	175	30	175	100	30	35	400	1.0		S1		
4316	HD6652	200	15	1.5	1.0	175	30	175	100	30	35	400	1.0		S1∅	A21	
4316a	PM034	200	20	1.0	.50	10	25	10	100	5.0	40	100	.30		S1		
4316b	TMD27	200	20	.85	.50	200	30	200	100	5.0Δ	40	400	.30		S1Δ		
4316c∅	2N767	200	50		10	200	50	200	125A				.50		S1	PNP	
4316d∅	2N1689	200	50		10	200	50	200	125A				.50		S1	PNP	
4316e	FD251	200	50	1.0	.50	200	25	200	100	5.0	40	200	.20		S1#	A22	
4317	1N643A	200	100	1.0						5.0∅	40	200	.30		S1	A21	
4318	1N809	200	100	1.0	1.0	200	50	200	125	30Δ	35		.30		S1		
4318b#	1S303	200†	100		5.0	200	100	200	100	30Δ	35	400	.30	T	S1		
4319	DR675	200*	100	1.0	.50	175	10	175	100	30∅	35	400	1.0		S1		
4319a∅	HD4021	200†	100	1.0	5.0	175	30	175	100	5.0Δ	40	200	.50		S1		
4319b∅	SP200	200†	100	1.0	.10	150				30	30ma	1ma	.05		S1		
4320	1N839	200	150	1.0						30	35	400	.50		S1	A21	
4321	1N842	200	150	1.0						30	35	400	.30		S1		
4322	1N845	200	200	1.0	.10	160	15	160	100	30Δ	35	400	.50		S1	A21	
4322a∅	DW210	200	400	1.0	.10	175	15	175	100	30	35	400	.30		S1	A1	
4322b∅	WA400	200	400	1.0	.10	175	15	175	100	30Δ	35	200	.30		S1		
4323	DR694	220*	100	1.0			15	185	55	30∅	35	400	1.0		S1		
4323a	RD2124	225	50	1.0	.50	200	30	200	100	5.0Δ	40	200	.20		S1		
4323b∅	DW300	235	400	1.0	.20	175	15	175	100	30	35	400	.30		S1	A1	
4323c∅	WA500	235	400	1.0	.20	175	15	175	100	30Δ	35	200	.30		S1		
4323d	1N893	240	50	1.0	.10	200	25	200	200	5.0Δ	40	80	.30		S1		
4325	DR667	250*	100	1.0	.25	200	20	200	100	5.0Δ	40	80	.30		S1		
4326	1N843	250	150	1.0	.10	200	15	200	100	30Δ	35	400	.30		S1		
4326a∅	DW310	275	400	1.0	.20	225	15	225	100	30	35	400	.30		S1	A1	

SEE FOLD-OUT BACK COVER  
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# 5. MICROWAVE MIXER DIODES

LISTED IN ORDER OF TEST FREQUENCY (or min. freq. when test freq. not available), and TYPE No.



LINE No.	TYPE No.	Band	TEST FREQ. (Mc)	FREQUENCY RANGE (Mc)	MAX. CONV. LOSS (db)	MAX. NOISE RATIO (times)	MAX. VSWR	I. F. IMPEDANCE RANGE (ohms)	MAX. Receiver NOISE FIGURE (db)	DESCRIPTION		
										STATUS	MAT.	DWG. No.
4351	1N25	L	1000		8.5	2.5		100- 400		M	S1	P3aØ
4352	1N25A	L	1000		6.5	2.0		100- 300			S1	P3aØ
4352aØ	1N25B	L	1000		5.5	1.5	13	100- 300	8.0		S1	F3Ø
4352b	D4084	L	1000		8.0	2.5	11db	100- 400			S1	
4352c	D4084A	L	1000		6.5	2.0	11db	100- 300			S1	
4352dØ	1N21	S	3000		8.5	4.0					S1	
4353	1N21A	S	3000	900-3000	7.5	3.0		200- 800			S1	
4353a	1N1132	S-X		3000-12400			2.0	100- 200	9.5		S1	
4354*#	CS2A	S	3000	Up to 6000	8.0	1.5					S1	P3b
4354a#	CS33A	S	3000	Up to 6000							S1	P3
4354b#	CS37A	S	3000	Up to 6000							S1	P3b
4354c#	CV103	S	3000	Up to 6000							S1	P3b
4354d#	CV291	S	3000	Up to 6000							S1	P3b
4354e#	CV364	S	3000	Up to 6000							S1	
4355	1N21B	S	3060		6.5	2.0				M	S1	P3Ø
4356	1N21C	S	3060		5.5	1.5				M	S1	P3Ø
4357	1N21D	S	3060		5.0	1.3	1.5	325- 475			S1	P3Ø
4358	1N21E	S	3060		5.5	1.5	1.3	350- 450	7.0		S1	P3Ø
4358a	1N21F	S	3060	300- 4000			1.3	350- 450	6.0		S1	P3Ø
4359	1N21WE	S	3060		5.5	1.5	1.3	350- 450	7.0	M	S1	P3a\$
4360	1N416B	S	3060		6.5	2.0		200- 800	10.3		S1	P3a\$
4361	1N416C	S	3060		5.5	1.5		200- 800	8.3		S1	P3a\$
4362	1N416D	S	3060		5.0	1.3	1.5	350- 450	7.3		S1	P3a\$
4363	1N416E	S	3060		5.5	1.5	1.3	350- 450	7.0		S1	P3a\$
4364	1N831	S	3060		5.5	1.5					S1	A1
4364a	1N831A	S	3060		5.5	1.5			7.0		S1	A1Ø
4365	MA421A	S	3060	500- 4000		6.5db	1.3	350- 450			S1	P3Ø
4366	MA421B	S	3060	500- 4000		6.0db	1.3	350- 450			S1	P3Ø
4367	MA449B	S	3060		6.5	2.0					S1	Ø
4367a	MA449C	S	3060		5.5	1.5					S1	Ø
4367b	MA449D	S	3060		5.0	1.3	1.5	325- 475			S1	Ø
4367c	MA449E	S	3060		5.5	1.5	1.3	350- 450	7.0		S1	Ø
4367d	MA449F	S	3060				1.3	350- 450	6.0		S1	Ø
4367eØ	MA459B	S	3060		6.5	2.0			10.3		S1	F3\$
4367fØ	MA459C	S	3060		5.5	1.5			8.3		S1	F3\$
4367gØ	MA459D	S	3060		5.0	1.3	1.5	325- 475	7.3		S1	F3\$
4367h#	S11	S	3060		6.5	2.0					S1	Ø
4367jØ	1N28J		4000		8.0	2.7					S1	
4367kØ	GH1C		4000		12						Ge	
4367m#	GH1D	S	4000	3000-6000	12						Ge	P3a\$
4367n#	SH5A	S	4000	3000-6000	8.0						S1	P3
4368	MA419	XB	6700	4000-10000	6.5	2.7					S1	P3a\$
4369	1N150	XB	6750	4000-10000	6.0	2.0	1.5	250- 500			S1	P3Ø
4370	1N160	XB	6750	4000-10000	6.5	2.7					S1	P3Ø
4370a	MA419A	C	6750		6.0	2.0		250- 500			S1	Ø
4370b	BL195	X		8600-9700	6.0	2.0	1.5	325- 475	9.8		S1	P3a\$
4370c	1N2509	X	9000				1.5	200- 450	10		S1	F3b\$
4371	1N23A	X	9375		8.0	2.7					S1	P3
4372	1N23B	X	9375		6.5	2.7				M	S1	P3Ø
4373	1N23C	X	9375		6.0	2.0	1.5	325- 475	10Ø	M	S1	P3Ø
4374	1N23D	X	9375		5.0	1.7	1.3	350- 450	8.5Ø		S1	P3Ø
4375	1N23E	X	9375				1.3	335- 465	7.5		S1	P3Ø
4375a	1N23F	X	9375	4000-10000			1.3	335- 465	7.0		S1	P3Ø
4376	1N23WE	X	9375	4000-10000	6.0	1.4	1.3	335- 465	7.5	M	S1	P3a\$
4377	1N149	X	9375	4000-10000	5.5	1.5	1.5	325- 475			S1	P3Ø
4377a	1N156	X	9375	Matched Pair of 1N23B and 1N23BR								
4378*	1N263	X	9375	Up to 12000	6.0	1.4	1.3	140- 210	7.5	M	Ge	F15
4379	1N415B	X	9375		6.5	2.7		300- 600	11.4		S1	P3a\$
4380	1N415C	X	9375		6.0	2.0	1.5	325- 475	9.8		S1	P3a\$
4381	1N415D	X	9375		5.0	1.7	1.3	350- 450	8.3		S1	P3a\$
4382	1N415E	X	9375	4000-10000			1.3	335- 465	7.5		S1	P3a\$
4383	1N832	X	9375		6.0	2.0			10		S1	A1
4383a	1N2510	X	9375		6.0	1.5		300- 500			S1	Ø

# 5. MICROWAVE MIXER DIODES

LISTED IN ORDER OF TEST FREQUENCY (or min. freq. when test freq. not available), and TYPE No.



LINE No.	TYPE No.	Band	TEST FREQ. (Mc)	FREQUENCY RANGE (Mc)	MAX. CONV. LOSS (db)	MAX. NOISE RATIO (times)	MAX. VSWR	I. F. IMPEDANCE RANGE (ohms)	MAX. Receiver NOISE FIGURE (db)	DESCRIPTION		
										STATUS	MAT.	DWG. No.
4383b	BL173	X	9375		5.5	1.4	1.3	335- 465	7.0		S1	P3a§
4384#	CS3A	X	9375	Up to 10000	9.5	2.0	2.0	275- 500			S1	P3b
4385#	CS3B	X	9375	Up to 12000			.67	500 avg.	12		S1	P2a∇
4387#	CS9B	X	9375	Up to 12000			.70	280- 420	10		S1	P2∇
4387a#	CS31A	L	9375	1000 Nominal							S1	P3b
4387b#	CS34A	X	9375	6000-12000							S1	P3b
4387c#	CS36A	L	9375	1000 Nominal							S1	P3
4387d#	CV253	X	9375	6000-12000	9.5	2.0	.40	275- 550			S1	P3b
4387e#	GEM3	X	9375	Up to 12000		9.5	1.43	350			Ge	P2
4387f#	GEM4	X	9375	Reversed Polarity Version of GEM3								P2
4387g	MA414	X	9375		5.5	1.5	1.5	325- 475			S1	∅
4388	MA423A	X	9375	4000-10000			7db	335- 465			S1	∅
4389	MA426	X	9375	4000-10000			7.5db	335- 465			S1	P3a∇
4389a	MA451A	X	9375		8.0	2.7					S1	∅
4389b	MA451B	X	9375		6.5	2.7					S1	∅
4389c	MA451C	X	9375		6.0	2.0	1.5	325- 475	10		S1	∅
4389d	MA451D	X	9375		5.0	1.7	1.3	350- 450	8.5		S1	∅
4389e	MA451E	X	9375				1.3	335- 465	7.5		S1	∅
4389f	MA451F	X	9375				1.3	335- 465	7.0		S1	∅
4390∅	MA458B	X	9375		6.5	2.7					S1	F3§
4390a∅	MA458C	X	9375		6.0	2.0	1.5	325- 475	10		S1	F3§
4390b∅	MA458D	X	9375		5.0	1.7	1.3	350- 450	8.5		S1	F3§
4391#	GEM1		9500	Up to 12000		8.5		170 avg.		T	Ge	P2
4392#	GEM2		9500	Reversed polarity version of GEM1								P2
4393#	SIM2		9500	Up to 12000		10.5		280- 420			S1	P2
4394#	SIM3		9500	Reversed polarity version of SIM6								P2
4395#	SIM5		9500	Reversed polarity version of SIM2								P2
4396#	SIM6	X	9500			10.5		280- 420			S1	P2
4397∅	1N22		10000								S1	
4397a∅	1N23		10000		10	3.0					S1	
4397b	1N286	X-K		10000-22000	8.5	2.5	3.0	250- 450			S1	
4397c	1N286A	X-K		10000-22000	7.5	2.0	3.0	250- 450			S1	
4397d	D4092	Ku	12500		7.5	2.5	1.6	325- 625			S1	
4398	1N1838	X-Kw	13500	Up to 14000			3.0	450- 750	32		Ge	F15
4399	1N78	Ku	16000		7.5	2.5		325- 625		M	S1	P1b∅
4400	1N78A	Ku	16000		7.0	1.5	1.6	365- 565			S1	P1b∅
4401	1N78B	Ku	16000		6.5	1.3	1.6	365- 565			S1	P1b∅
4402	1N78C	Ku	16000	Up to 16000	6.0	1.3	1.5	400- 565	8.2		S1	P1b∅
4402a	1N78D	Ku	16000	Up to 16000	5.7	1.3	1.5	400- 565	7.5		S1	P1b∅
4402b	1N918	Ku	16000		7.5	2.5						
4402c∅	1N3205	Ku	16000		6.3	1.4	1.6	365- 565	8.5		S1	P1a∅
4402d	D4081	Ku	16000		5.7	1.3	1.6	365- 565	7.8		S1	
4402e	D4081A	Ku	16000		5.7	1.3	1.6	365- 565	7.3		S1	
4402f∅	MA440	Ku	16000		7.5	2.5		325- 625			S1	P1b∅
4402g∅	MA440A	Ku	16000		7.0	1.5	1.6	365- 565			S1	P1b∅
4402h∅	MA440B	Ku	16000				1.6	365- 565	8.8		S1	P1b∅
4402j∅	MA443	Ku	16000		7.5	2.5		325- 625			S1	P1b∅
4402k∅	MA443A	Ku	16000		7.0	1.5	1.6	365- 565			S1	P1b∅
4402l∅	MA443B	Ku	16000				1.6	365- 565	8.8		S1	P1b∅
4402m	MA444	Ku	16000		7.5	2.5		325- 625	12		S1	P1b∅
4402n	MA444A	Ku	16000		7.0	1.5	1.6	365- 565	9.8		S1	P1b∅
4402p	MA444B	Ku	16000		6.5	1.3	1.6	365- 565	8.8		S1	P1b∅
4402q*	MA444C	Ku	16000		6.5	1.3	1.6	400- 565	8.3		S1	P1b∅
4402r*	MA444D	Ku	16000		5.7	1.3	1.6	400- 565	7.8		S1	P1b∅
4402s∅	MA445	Ku	16000		7.5	2.5		325- 625			S1	P1b∅
4402t∅	MA445A	Ku	16000		7.0	1.5	1.6	365- 565			S1	P1b∅
4402u∅	MA445B	Ku	16000				1.6	365- 565	8.8		S1	P1b∅
4402v	MA446C	Ku	16000		6.0	1.3	1.6	365- 565	8.3		S1	P1b∅
4402w	MA446D	Ku	16000		5.7	1.3	1.6	365- 565	7.8		S1	P1b∅
4402x#	GEM5	J	16500	10K to 20K		10	1.43	270			Ge	P4
4402y#	GEM6	J	16500	Reversed Polarity Version of GEM5								P4
4402z	D4089	K	23984		6.5	1.5	1.6	300- 600			S1	
4403	1N26	K	24000		8.5	2.5		300- 600		M	S1	P1b

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.





## 6. MICROWAVE VIDEO DETECTOR DIODES

LISTED IN ORDER OF TEST FREQUENCY (or min. freq. when test freq. not available), and TYPE No.



LINE No.	TYPE No.	Band	TEST FREQ. (Mc)	FREQUENCY RANGE (Mc)	POWER LEVEL ( $\mu$ w)	MIN. FIGURE of MERIT	MIN. SENS. (-dbm)	VIDEO IMPEDANCE RANGE (ohms)	DESCRIPTION		
									STATUS	MAT.	DWG. No.
4425	1N2771		750							S1	P3
4426	1N358	L-X		1000-12400		15	40	4500-18000		S1	P1a
4427	1N358A	L-X		1000-12400		30	45	4500-18000		S1	P1a
4428	1N369A	L-X		1000-12400		15	40	4500-18000		S1	P1a
4429	1N630	L-X		1000-12400	200m	15	40	4500-18000		S1	P1a
4429a	1N630A	L-X		1000-12400	200m	30	45	4500-18000		S1	
4430	1N2127	L-X		1000-12400							
4430a	1N2127A			1000- 9375					T	S1	P1a $\Delta$
4431	1N369	S-X		3000-12400		15	40	4500-18000		S1	$\Delta$ P1a
4432	1N1610	S-X		3000-12400		15		4500-18000		S1	P1a $\Delta$
4433	1N32	S	3295			85		4000-22000	M	S1	P3
4433a $\emptyset$	1N2102	S	3295	500- 4000	5.0	85		4000-22000		S1	F3
4434	D4070	S	3295		360m	85		4000-22000		S1	$\emptyset$
4434a	1N1611	X	9000		160m	130		1700-3100		S1	$\emptyset$
4434b	1N1611A	X	9000	4000-10000	5.0	220	-52	1700- 3100		S1	P3
4435	MA408	X	9000	4000-1000	5.0	130	-50	1700- 3100		S1	P3
4436	MA408A	X	9000	4000-10000	5.0	160	-51	1700- 3100		S1	P3
4438	MA418	X	9000	4000-10000	5.0	130		1700- 3100		S1	P3a
4439	MA418A	X	9000	4000-10000	5.0	160		1700- 3100		S1	P3a
4440	MA418B	X	9000	4000-10000	5.0	220		1700- 3100		S1	P3a
4440a $\emptyset$	MA461	X	9000	4000-10000	5.0	130		1700- 3100		S1	F3
4440b $\emptyset$	MA461A	X	9000	4000-10000	5.0	160		1700- 3100		S1	F3
4440c $\emptyset$	MA461B	X	9000	4000-10000	5.0	220		1700- 3100		S1	F3
4441	1N31	X	9375			55		3000-23000	M	S1	P1b
4441a	1N31A	X	9375			55		3000-17000		S1	P1b
4442	1N76	X	9375				7.5V.	min. output		S1	$\emptyset$
4443	1N76A	X	9375				40V.	min. output		S1	
4443a	1N833	X	9375				40	4500-18000		S1	A1
4444 $\emptyset$	1N3143	X	9375	4000-10000				Controlled Output for instrument use		S1	P3
4444a#	CS4B	X	9375	Up to 1200						S1	P2a $\nabla$
4444b#	CV2226	X	9375	4000-12000	1.0			-7000		S1	P2
4444c#	CV2258	X	9375	Up to 12000	5.0			1900-7350		S1	P2
4444d#	CV2355	X	9375	Up to 12000	5.0			2000-7000		S1	P2
4444e#	CV2356	X	9375	Up to 12000	5.0			2000-7000		S1	P2
4444f#	CV2357	X	9375	Up to 12000	5.0			2000-7000		S1	P2
4446	MA425	X	9375							S1	P3b $\S$
4446a $\emptyset$	MA462	X	9375	4000-10000				Controlled Output for instrument use		S1	F3 $\S$
4447	1N2926	X-K		10000-21000		15	40	-18000		S1	
4447a	1N2926A	X-K		10000-21000		30	45	-18000		S1	
4448	1N446	K-Ka		26500-40000		15		3000-23000		S1	
4449	D4074			40000-80000	20m		40	-30000		S1	
4449a	MA441			40000-75000			27			S1	M12

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

# 7. VOLTAGE VARIABLE CAPACITOR DIODES

LISTED IN ORDER OF CAPACITANCE, and TYPE No.



LINE No.	TYPE No.	CAPACITANCE		PIV	Q		DESCRIPTION			COMMENTS	
		C ( $\mu\mu\text{f}$ )	@ Eb (volts)		Min. Q	@ FREQ (Mc)	S T A T U S	MAT.	DWG. No.		
4450 $\emptyset$	MA4327A	.15	90	90				S1			
4450a $\emptyset$	MA4328A	.15	120	120				S1			
4450b $\emptyset$	MA4337A	.15	90	90				S1			
4450c $\emptyset$	MA4338A	.15	120	120				S1			
4450d $\emptyset$	MA4347A	.15	90	90				S1			
4450e $\emptyset$	MA4348A	.15	120	120				S1			
4450f $\emptyset$	MA4357A	.15	90	90				S1			
4450g $\emptyset$	MA4358A	.15	120	120				S1			
4450h $\emptyset$	SDV4166	.15	6.0	45						Cutoff Freq.-150KMc.	
4451	MA4280	.30	6.0	30				S1	F3a	Rs max. at 10KMc - 75 ohms	
4451a $\emptyset$	MA4324A	.30	24	24				S1			
4451b $\emptyset$	MA4325A	.30	48	48				S1			
4451c $\emptyset$	MA4326A	.30	60	60				S1			
4451d $\emptyset$	MA4327B	.30	90	90				S1			
4451e $\emptyset$	MA4328B	.30	120	120				S1			
4451f $\emptyset$	MA4334A	.30	24	24				S1			
4451g $\emptyset$	MA4335A	.30	48	48				S1			
4451h $\emptyset$	MA4336A	.30	60	60				S1			
4451j $\emptyset$	MA4337B	.30	90	90				S1			
4451k $\emptyset$	MA4338B	.30	120	120				S1			
4451m $\emptyset$	MA4344A	.30	24	24				S1			
4451n $\emptyset$	MA4345A	.30	48	48				S1			
4451p $\emptyset$	MA4346A	.30	60	60				S1			
4451q $\emptyset$	MA4347B	.30	90	90				S1			
4451r $\emptyset$	MA4348B	.30	120	120				S1			
4451s $\emptyset$	MA4354A	.30	24	24				S1			
4451t $\emptyset$	MA4355A	.30	48	48				S1			
4451u $\emptyset$	MA4356A	.30	60	60				S1			
4451v $\emptyset$	MA4357B	.30	90	90				S1			
4451w $\emptyset$	MA4358B	.30	120	120				S1			
4451x	MA4380X	.30	6.0	30				D	S1	A1	Rs max. at 10KMc - 75 ohms
4451y	SCH51	.50	4.0	10	40	100					
4452	SCH51A	.50	4.0	10	40	100					Ceramic Microwave Cartridge
4452a	MA450E	.60	6.0	6.0	6.0	10K		S1	P3a $\Delta$		Double ended MA460E
4452b	MA450F	.60	6.0	6.0	7.0	10K		S1	P3a $\Delta$		Double ended MA460F
4452c	MA450G	.60	6.0	6.0	8.0	10K		S1	P3a $\Delta$		Double ended MA460G
4452d	MA450H	.60	6.0	6.0	9.0	10K		S1	P3a $\Delta$		Double ended MA460H
4453	MA460E	.60	6.0	6.0	6.0	10K		S1	P3 $\Delta$		
4454	MA460F	.60	6.0	6.0	7.0	10K		S1	P3 $\Delta$		
4455	MA460G	.60	6.0	6.0	8.0	10K		S1	P3 $\Delta$		
4455a	MA460H	.60	6.0	6.0	9.0	10K		S1	P3 $\Delta$		
4455b	MA4281	.60	6.0	30				S1	F3a		Rs max. at 10KMc - 40 ohms
4456 $\emptyset$	MA4321A	.60	6.0	6.0				S1			
4456a $\emptyset$	MA4322A	.60	12	12				S1			
4456b $\emptyset$	MA4323A	.60	18	18				S1			
4456c $\emptyset$	MA4324B	.60	24	24				S1			
4456d $\emptyset$	MA4325B	.60	48	48				S1			
4456e $\emptyset$	MA4326B	.60	60	60				S1			
4456f $\emptyset$	MA4327C	.60	90	90				S1			
4456g $\emptyset$	MA4328C	.60	120	120				S1			
4456h $\emptyset$	MA4331A	.60	6.0	6.0				S1			
4456i $\emptyset$	MA4332A	.60	12	12				S1			
4456j $\emptyset$	MA4333A	.60	18	18				S1			
4456k $\emptyset$	MA4334B	.60	24	24				S1			
4456m $\emptyset$	MA4335B	.60	48	48				S1			
4456n $\emptyset$	MA4336B	.60	60	60				S1			
4456p $\emptyset$	MA4337C	.60	90	90				S1			
4456q $\emptyset$	MA4338C	.60	120	120				S1			
4456r $\emptyset$	MA4341A	.60	6.0	6.0				S1			
4456s $\emptyset$	MA4342A	.60	12	12				S1			
4456t $\emptyset$	MA4343A	.60	18	18				S1			
4456u $\emptyset$	MA4344B	.60	24	24				S1			
4456v $\emptyset$	MA4345B	.60	48	48				S1			

# 7. VOLTAGE VARIABLE CAPACITOR DIODES

LISTED IN ORDER OF CAPACITANCE, and TYPE No.



LINE No.	TYPE No.	CAPACITANCE		PIV	Q		STATUS	DESCRIPTION		COMMENTS
		C (μf)	@ Eb (volts)		Min. Q	@ FREQ (Mc)		MAT.	DWG. No.	
4456wØ	MA4346B	.60	60	60				S1		
4456xØ	MA4347C	.60	90	90				S1		
4456yØ	MA4348C	.60	120	120				S1		
4456zØ	MA4351A	.60	6.0	6.0				S1		
4457Ø	MA4352A	.60	12	12				S1		
4457aØ	MA4353A	.60	18	18				S1		
4457bØ	MA4354B	.60	24	24				S1		
4457cØ	MA4355B	.60	48	48				S1		
4457dØ	MA4356B	.60	60	60				S1		
4457eØ	MA4357C	.60	90	90				S1		
4457fØ	MA4358C	.60	120	120				S1		
4457gØ	MA4362	.60Δ	0	5.5				S1§	F9	Cutoff Freq.-200KMc.
4457h	MA4381X	.60	6.0	30			D	S1	A1	Rs max. at 10KMc - 40 ohms
4457j	MA450D	.80	6.0	6.0	5.0	10K		S1	P3aΔ	Double ended MA460D
4457k	MA460D	.80	6.0	6.0	5.0	10K		S1	P3Δ	
4457m#	SVC15	.80	4.0	15			T	S1Δ	P6	Typ.C.: .60-3.0pf;75KMc max.
4457n	MA4255	.95	0	6.0	6.0	10K			F9	Cap. Range- 0.5-1.4uuf
4457p	D4075E	1.0	6.0		6.0	10K		S1		Double Ended Cartridge Pkg.
4457q	D4075F	1.0	6.0		7.0	10K		S1		Double Ended Cartridge Pkg.
4457r	D4075G	1.0	6.0		8.0	10K		S1		Double Ended Cartridge Pkg.
4457s	D4075H	1.0	6.0		9.0	10K		S1		Double Ended Cartridge Pkg.
4457t	D4110E	1.0	6.0		6.0	10K		S1		Single Ended Cartridge Pkg.
4457u	D4110F	1.0	6.0		7.0	10K		S1		Single Ended Cartridge Pkg.
4457v	D4110G	1.0	6.0		8.0	10K		S1		Single Ended Cartridge Pkg.
4457w	D4110H	1.0	6.0		9.0	10K		S1		Single Ended Cartridge Pkg.
4457x	D4140E	1.0	6.0	6.0	6.0	10K		S1	F3d	Fo-70KMc;Pdiss-150mw
4457y	D4141E	1.0	6.0	6.0	6.0	10K		S1	F9a	Fo-70KMc;Pdiss-150mw
4458	SCH52	1.0	4.0	7.0	40	100				
4459	SCH52A	1.0	4.0	7.0	40	100				
4459a#	SVC14	1.0	4.0	15			T	S1Δ	P6	Ceramic Microwave Cartridge
4459b	MA450C	1.1	6.0	6.0	4.0	10K		S1	P3aΔ	Typ.C.: .68-3.5pf;80KMc max.
4460	MA460C	1.1	6.0	6.0	4.0	10K		S1	P3Δ	Double ended MA460C
4460aØ#	SVC17	1.1	0	15			T	S1	P6	Typical Cap. .45-1.7 pf
4460b	MA4282	1.2	6.0	30				S1	F3a	Rs max. at 10KMc - 20 ohms
4460cØ	MA4321B	1.2	6.0	6.0				S1		
4460dØ	MA4322B	1.2	12	12				S1		
4460eØ	MA4323B	1.2	18	18				S1		
4460fØ	MA4324C	1.2	24	24				S1		
4460gØ	MA4325C	1.2	48	48				S1		
4460hØ	MA4326C	1.2	60	60				S1		
4460iØ	MA4327D	1.2	90	90				S1		
4460jØ	MA4328D	1.2	120	120				S1		
4460kØ	MA4331B	1.2	6.0	6.0				S1		
4460mØ	MA4332B	1.2	12	12				S1		
4460nØ	MA4333B	1.2	18	18				S1		
4460pØ	MA4334C	1.2	24	24				S1		
4460qØ	MA4335C	1.2	48	48				S1		
4460rØ	MA4336C	1.2	60	60				S1		
4460sØ	MA4337D	1.2	90	90				S1		
4460tØ	MA4338D	1.2	120	120				S1		
4460uØ	MA4341B	1.2	6.0	6.0				S1		
4460vØ	MA4342B	1.2	12	12				S1		
4460wØ	MA4343B	1.2	18	18				S1		
4460xØ	MA4344C	1.2	24	24				S1		
4460yØ	MA4345C	1.2	48	48				S1		
4460zØ	MA4346C	1.2	60	60				S1		
4461Ø	MA4347D	1.2	90	90				S1		
4461aØ	MA4348D	1.2	120	120				S1		
4461bØ	MA4351B	1.2	6.0	6.0				S1		
4461cØ	MA4352B	1.2	12	12				S1		
4461dØ	MA4353B	1.2	18	18				S1		
4461eØ	MA4354C	1.2	24	24				S1		
4461fØ	MA4355C	1.2	48	48				S1		

# 7. VOLTAGE VARIABLE CAPACITOR DIODES

LISTED IN ORDER OF CAPACITANCE, and TYPE No.



LINE No.	TYPE No.	CAPACITANCE		PIV	Q		DESCRIPTION			COMMENTS
		C ( $\mu\mu\text{f}$ )	@ Eb (volts)		Min. Q	@ FREQ (Mc)	STATUS	MAT.	DWG. No.	
4461g $\emptyset$	MA4356C	1.2	60	60				S1		
4461h $\emptyset$	MA4357D	1.2	90	90				S1		
4461i $\emptyset$	MA4358D	1.2	120	120				S1		
4461j $\emptyset$	MA4361	1.2 $\Delta$	0	5.5				S1 $\S$	F9	Cutoff Freq.-175KMc.
4461k	MA4382X	1.2	6.0	30				D S1	A1	Rs max. at 10KMc - 20 ohms
4461m#	SVC13	1.3	4.0	15				T S1 $\Delta$	P6	Typ.C.: .75-4pf;50KMc.max
4461n	D4075D	1.4	6.0		5.0	10K		S1		Double Ended Cartridge Pkg.
4461p	D4110D	1.4	6.0		5.0	10K		S1		Single Ended Cartridge Pkg.
4461q	D4140D	1.4	6.0	6.0	5.0	10K		S1	F3d	Fo-60KMc;P.-150mw dissipation
4461r	D4141D	1.4	6.0	6.0	5.0	10K		S1	F9a	Fo-60KMc;P.-150mw dissipation
4461t	XD500	1.4 $\Delta$	0	6.0	20	3000		GaAa $\Delta$	F11	Cartridge Cap.--.4pf at 1KMc.
4461u	XD501	1.4 $\Delta$	0	6.0	27	3000		GaAs $\Delta$	F11	Cartridge Cap.--.4pf at 1KMc.
4461v	XD502	1.4 $\Delta$	0	6.0	36	3000		GaAs $\Delta$	F11	Cartridge Cap.--.4pf at 1KMc.
4461w	XD503	1.4 $\Delta$	0	6.0	48	3000		GaAs $\Delta$	F11	Cartridge Cap.--.4pf at 1KMc.
4461x	MA450B	1.5	6.0	6.0	3.0	10K		S1	P3a $\Delta$	Double ended MA460B
4461y	MA460B	1.5	6.0	6.0	3.0	10K		S1	P3 $\Delta$	
4461z	MA4283	1.6	6.0	30				S1	F3a	Rs max. at 10KMc - 14 ohms
4462	MA4383X	1.6	6.0	30				D S1	A1	Rs max. at 10KMc - 14 ohms
4462a#	SVC12	1.6	4.0	15				T S1 $\Delta$	P6	Typ.C.: .85-4.5pf;40KMc max.
4462b $\emptyset$ #	SVC16	1.6	0	15				T S1	P6	Typical Cap. .60-2.7 pf
4462c#	SVC22	1.6	4.0	Reversed Polarity Version of SVC12						
4462d	D4075C	1.8	6.0		4.0	10K		S1		Double Ended Cartridge Pkg.
4462e	D4110C	1.8	6.0		4.0	10K		S1		Single Ended Cartridge Pkg.
4462f	D4140C	1.8	6.0	6.0	4.0	10K		S1	F3d	Fo-50KMc;P.-150mw dissipation
4462g	D4141C	1.8	6.0	6.0	4.0	10K		S1	F9a	Fo-50KMc;P.-150mw dissipation
4462h	MA4256	1.85	0	6.0	5.0	10K			F9	Cap. Range- 1.2-2.5uuf
4462i	D4075B	2.0	6.0		3.0	10K		S1		Double Ended Cartridge Pkg.
4462j	D4110B	2.0	6.0		3.0	10K		S1		Single Ended Cartridge Pkg.
4462k	D4140B	2.0	6.0	6.0	3.0	10K		S1	F3d	Fo-40KMc;Pdis-200mw
4462m	D4141B	2.0	6.0	6.0	3.0	10K		S1	F9a	Fo-40KMc;Pdis-200mw
4462n	MA4202X	2.0 $\Delta$	0		10	35K		D S1	A1	Min. Cutoff Freq.-35KMc
4462p $\emptyset$	MA4252	2.0 $\Delta$	0	5.5				S1 $\S$	F9	Cutoff Freq.-140KMc.
4462q*	MA4253	2.0	0	5.5		120K		S1 $\S$	F9	
4462r*	MA4254	2.0	0	5.5		100K		S1 $\S$	F9	
4462s	MA4296	2.0 $\Delta$	0		10	120K		S1	P3	Min. Cutoff Freq.-120KMc
4462t	MA4297	2.0 $\Delta$	0					S1	F3a	Min. Cutoff Freq.-120KMc
4462u	MA4298	2.0 $\Delta$	0		10	150K		S1	P3	Min. Cutoff Freq.-150KMc
4462v#	SVC11	2.0	4.0	15				T S1 $\Delta$	P6	Typ.Cap.:1-6.5pf;30KMa max
4462w#	SVC21	2.0	4.0	Reversed Polarity Version of SVC11						
4462x	MA450A	2.1	6.0	6.0	2.0	10K		S1	P3a $\Delta$	Double ended MA460A
4462y	MA460A	2.1	6.0	6.0	2.0	10K		S1	P3 $\Delta$	
4462z $\emptyset$	MA4321C	2.3	6.0	6.0				S1		
4463 $\emptyset$	MA4322C	2.3	12	12				S1		
4463a $\emptyset$	MA4323C	2.3	18	18				S1		
4463b $\emptyset$	MA4324D	2.3	24	24				S1		
4463c $\emptyset$	MA4325D	2.3	48	48				S1		
4463d $\emptyset$	MA4326D	2.3	60	60				S1		
4463e $\emptyset$	MA4327E	2.3	90	90				S1		
4463f $\emptyset$	MA4328E	2.3	120	120				S1		
4463g $\emptyset$	MA4331C	2.3	6.0	6.0				S1		
4463h $\emptyset$	MA4332C	2.3	12	12				S1		
4463i $\emptyset$	MA4333C	2.3	18	18				S1		
4463j $\emptyset$	MA4334D	2.3	24	24				S1		
4463k $\emptyset$	MA4335D	2.3	48	48				S1		
4463m $\emptyset$	MA4336D	2.3	60	60				S1		
4463n $\emptyset$	MA4337E	2.3	90	90				S1		
4463p $\emptyset$	MA4338E	2.3	120	120				S1		
4463q $\emptyset$	MA4341C	2.3	6.0	6.0				S1		
4463r $\emptyset$	MA4342C	2.3	12	12				S1		
4463s $\emptyset$	MA4343C	2.3	18	18				S1		
4463t $\emptyset$	MA4344D	2.3	24	24				S1		
4463u $\emptyset$	MA4345D	2.3	48	48				S1		
4463v $\emptyset$	MA4346D	2.3	60	60				S1		

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

# 7. VOLTAGE VARIABLE CAPACITOR DIODES

LISTED IN ORDER OF CAPACITANCE, and TYPE No.



LINE No.	TYPE No.	CAPACITANCE		PIV	Q		DESCRIPTION			COMMENTS
		C ( $\mu\mu\text{f}$ )	@ Eb (volts)		Min. Q	@ FREQ (Mc)	STATUS	MAT.	DWG. No.	
4463w	MA4347E	2.3	90	90				S1		
4463x	MA4348E	2.3	120	120				S1		
4463y	MA4351C	2.3	6.0	6.0				S1		
4463z	MA4352C	2.3	12	12				S1		
4464	MA4353C	2.3	18	18				S1		
4464a	MA4354D	2.3	24	24				S1		
4464b	MA4355D	2.3	48	48				S1		
4464c	MA4356D	2.3	60	60				S1		
4464d	MA4357E	2.3	90	90				S1		
4464e	MA4358E	2.3	120	120				S1		
4464f	MA4284	2.5	6.0	30				S1	F3a	Rs max. at 10KMc - 8 ohms
4464g	MA4384X	2.5	6.0	30			D	S1	A1	Rs max. at 10KMc - 8 ohms
4464h	D1114	3.0	0	30	100	300		Ge		.50uuf at 20V; Q-20 at 100Mc
4464i	D4075A	3.0	6.0		2.0	10K		S1		Double Ended Cartridge Pkg.
4464j	D4110A	3.0	6.0		2.0	10K		S1		Single Ended Cartridge Pkg.
4464k	D4140A	3.0	6.0	6.0	2.0	10K		S1	F3d	Fo-30KMc; Pdis-300mw
4464m	D4141A	3.0	6.0	6.0	2.0	10K		S1	F9a	Fo-30KMc; Pdis-300mw
4464n	MA4259	3.0	5.0					S1	P3a	Break.-5.0V min at 200ua
4464p	MA4257	3.25	0	6.0	3.0	10K			F9	Cap. Range- 2.5-4.0uuf
4464q	GA53694-1	3.85 $\Delta$	0.0	5.5	3.1 $\emptyset$	9000		S1 $\Delta$		Cap. Range: 3.55-3.85uuf
4464r	GA53695-1	3.85 $\Delta$	0.0	5.5	3.1 $\emptyset$	9000		S1 $\Delta$		Cap. Range: 3.55-3.85uuf
4464s	MA4203X	4.0	0			10		D	S1	
4464t	MA4285	4.0	6.0	30				S1	F3a	Rs max. at 10KMc - 6 ohms
4464u	MA4385X	4.0	6.0	30			D	S1	A1	Rs max. at 10KMc - 6 ohms
4464v	GA53694-2	4.2 $\Delta$	0.0	5.5	3.1 $\emptyset$	9000		S1 $\Delta$		Cap. Range: 3.80-4.2uuf
4464w	GA53695-2	4.2 $\Delta$	0.0	5.5	3.1 $\emptyset$	9000		S1 $\Delta$		Cap. Range: 3.80-4.2uuf
4464x	GA53694-3	4.45 $\Delta$	0.0	5.5	3.1 $\emptyset$	9000		S1 $\Delta$		Cap. Range: 4.15-4.45uuf
4464y	GA53694-4	4.45 $\Delta$	0.0	5.5	3.1 $\emptyset$	9000		S1 $\Delta$		Cap. Range: 3.55-4.45uuf
4464z	GA53695-3	4.45 $\Delta$	0.0	5.5	3.1 $\emptyset$	9000		S1 $\Delta$		Cap. Range: 4.15-4.45uuf
4465	GA53695-4	4.45 $\Delta$	0.0	5.5	3.1 $\emptyset$	9000		S1 $\Delta$		Cap. Range: 3.55-4.45uuf
4465a	D4075	4.5	6.0		1.0	10K		S1		Double Ended Cartridge Pkg.
4465b	D4110	4.5	6.0		1.0	10K		S1		Single Ended Cartridge Pkg.
4465c	D4140	4.5	6.0	6.0	1.0	10K		S1	F3d	Fo-20KMc; Pdis-300mw
4465d	D4141	4.5	6.0	6.0	1.0	10K		S1	F9a	Fo-20KMc; Pdis-300mw
4465e	MA4260	4.5	5.0					S1	A1	Break.-5.0V min at 200ua
4465f	MA4321D	4.5	6.0	6.0				S1		
4465g	MA4322D	4.5	12	12				S1		
4465h	MA4323D	4.5	18	18				S1		
4465i	MA4324E	4.5	24	24				S1		
4465j	MA4325E	4.5	48	48				S1		
4465k	MA4326E	4.5	60	60				S1		
4465m	MA4327F	4.5	90	90				S1		
4465n	MA4328F	4.5	120	120				S1		
4465p	MA4331D	4.5	6.0	6.0				S1		
4465q	MA4332D	4.5	12	12				S1		
4465r	MA4333D	4.5	18	18				S1		
4465s	MA4334E	4.5	24	24				S1		
4465t	MA4335E	4.5	48	48				S1		
4465u	MA4336E	4.5	60	60				S1		
4465v	MA4337F	4.5	90	90				S1		
4465w	MA4338F	4.5	120	120				S1		
4465x	MA4341D	4.5	6.0	6.0				S1		
4465y	MA4342D	4.5	12	12				S1		
4465z	MA4343D	4.5	18	18				S1		
4466	MA4344E	4.5	24	24				S1		
4466a	MA4345E	4.5	48	48				S1		
4466b	MA4346E	4.5	60	60				S1		
4466c	MA4347F	4.5	90	90				S1		
4466d	MA4348F	4.5	120	120				S1		
4466e	MA4351D	4.5	6.0	6.0				S1		
4466f	MA4352D	4.5	12	12				S1		
4466g	MA4353D	4.5	18	18				S1		
4466h	MA4354E	4.5	24	24				S1		

# 7. VOLTAGE VARIABLE CAPACITOR DIODES

LISTED IN ORDER OF CAPACITANCE, and TYPE No.



LINE No.	TYPE No.	CAPACITANCE		PIV	Q		STATUS	DESCRIPTION		COMMENTS
		C (μμf)	@ Eb (volts)		Min. Q	@ FREQ (Mc)		MAT.	DWG. No.	
4466iØ	MA4355E	4.5	48	48				S1		
4466jØ	MA4356E	4.5	60	60				S1		
4466kØ	MA4357F	4.5	90	90				S1		
4466mØ	MA4358F	4.5	120	120				S1		
4466n	MA4261	6.0	5.0					S1	P3a	Break. -5.0V min at 200ua
4466p	MA4286	6.0	6.0	30				S1	F3a	Rs max. at 10KMc - 4 ohms
4466q	MA4386X	6.0	6.0	30			D	S1	A1	Rs max. at 10KMc - 4 ohms
4466r#	SVC1	6.5	3.0	20	85	50			C6	±10 per cent tol. on 6.5pf
4466s#	SVC2	6.5	3.0	20	85	50			C6	±20 per cent tol. on 6.5pf
4466t#	SVC3	6.5	3.0	20	85	50			C6	±30 per cent tol. on 6.5pf
4466u	6.8SC20	6.8	10	200	1000	1.0		S1		
4467Ø#	BA410/C7	7.0	4.0	30	50	50		S1		
4467a	V7	7.0	4.0	25	13	50		S1	A46	Typical Cap. Range:3.0-18uuf
4467b	V7E	7.0	4.0	100	3.0	50		S1	A46	Typical Cap. Range:1.5-18uuf
4467c	MA4287	8.5	6.0	30				S1	F3a	Rs max. at 10KMc - 3 ohms
4467d	MA4387X	8.5	6.0	30			D	S1	A1	Rs max. at 10KMc - 3 ohms
4467eØ	MA4321E	9.0	6.0	6.0				S1		
4467fØ	MA4322E	9.0	12	12				S1		
4467gØ	MA4323E	9.0	18	18				S1		
4467hØ	MA4324F	9.0	24	24				S1		
4467iØ	MA4325F	9.0	48	48				S1		
4467jØ	MA4326F	9.0	60	60				S1		
4467kØ	MA4327G	9.0	90	90				S1		
4467mØ	MA4331E	9.0	6.0	6.0				S1		
4467nØ	MA4332E	9.0	12	12				S1		
4467pØ	MA4333E	9.0	18	18				S1		
4467qØ	MA4334F	9.0	24	24				S1		
4467rØ	MA4335F	9.0	48	48				S1		
4467sØ	MA4336F	9.0	60	60				S1		
4467tØ	MA4337G	9.0	90	90				S1		
4467uØ	MA4341E	9.0	6.0	6.0				S1		
4467vØ	MA4342E	9.0	12	12				S1		
4467wØ	MA4343E	9.0	18	18				S1		
4467xØ	MA4344F	9.0	24	24				S1		
4467yØ	MA4345F	9.0	48	48				S1		
4467zØ	MA4346F	9.0	60	60				S1		
4468Ø	MA4347G	9.0	90	90				S1		
4468aØ	MA4351E	9.0	6.0	6.0				S1		
4468bØ	MA4352E	9.0	12	12				S1		
4468cØ	MA4353E	9.0	18	18				S1		
4468dØ	MA4354F	9.0	24	24				S1		
4468eØ	MA4355F	9.0	48	48				S1		
4468fØ	MA4356F	9.0	60	60				S1		
4468gØ	MA4357G	9.0	90	90				S1		
4468h#	BA410	10	4.0	60	50	50				
4468jØ#	BA410/C10	10	4.0	30	50	50	T	S1		
4468k	PC112-10	10	4.0	80	50	50	T	S1	A46	Typical Cap.Range: 2.9-13.6uuf
4468m	PC115-10	10	4.0	100	100	50	T	S1	A46	Typical Cap.Range:2.4-13.6uuf
4468n	PC132-10	10	4.0	25	50	50		S1		
4468p	PC135-10	10	4.0	50	150	50		S1		
4469	SC1	10	4.0	22						Typ. Q-35 at 50Mc.
4469a#	SD111	10	10	35	50	25		S1*	A23	Typical Cap.Range 6 - 40uuf
4470	V10	10	4.0	25	13	50		S1	A46	Typical Cap. Range:4.3-31uuf
4471	V10E	10	4.0	100	3.5	50		S1	A46	Typical Cap. Range:2.2-26uuf
4474	V12	12	4.0	25	13	50		S1	A46	Typical Cap. Range:5.2-31uuf
4475	V12E	12	4.0	100	4.0	50		S1	A46	Typical Cap. Range:2.7-31uuf
4475a	MA4288	12.5	6.0	30				S1	F3a	Rs max. at 10KMc - 3 ohms
4475b	MA4388X	12.5	6.0	30			D	S1	A1	Rs max. at 10KMc - 3 ohms
4475c#	MA301	13	10	35	40	25		S1		Typical Cap. Range:8-18uuf
4475dØ	1S86	14	10	20	30	20		S1*		Typical Cap. Range:10-40uuf
4475eØ#	BA410/C15	15	4.0	30	50	50		S1		
4476	V15	15	4.0	25	13	50		S1	A46	Typical Cap. Range:6.5-39uuf
4476a	V15E	15	4.0	100	4.5	50		S1	A46	Typical Cap. Range:3.3-39uuf
4476b	MA4289	17.5	6.0	30				S1	F3a	Rs max. at 10KMc - 3 ohms

# 7. VOLTAGE VARIABLE CAPACITOR DIODES

LISTED IN ORDER OF CAPACITANCE, and TYPE No.



LINE No.	TYPE No.	CAPACITANCE		PIV	Q		DESCRIPTION			COMMENTS
		C ( $\mu\mu\text{f}$ )	@ Eb (volts)		Min. Q	@ FREQ (Mc)	S T A T U S	MAT.	DWG. No.	
4476c	MA4321F	18.5	6.0	6.0				Si		
4476d	MA4322F	18.5	12	12				Si		
4476e	MA4323F	18.5	18	18				Si		
4476f	MA4324G	18.5	24	24				Si		
4476g	MA4325G	18.5	48	48				Si		
4476h	MA4326G	18.5	60	60				Si		
4476i	MA4331F	18.5	6.0	6.0				Si		
4476j	MA4332F	18.5	12	12				Si		
4476k	MA4333F	18.5	18	18				Si		
4476m	MA4334G	18.5	24	24				Si		
4476n	MA4335G	18.5	48	48				Si		
4476p	MA4336G	18.5	60	60				Si		
4476q	MA4341F	18.5	6.0	6.0				Si		
4476r	MA4342F	18.5	12	12				Si		
4476s	MA4343F	18.5	18	18				Si		
4476t	MA4344G	18.5	24	24				Si		
4476u	MA4345G	18.5	48	48				Si		
4476v	MA4346G	18.5	60	60				Si		
4476w	MA4351F	18.5	6.0	6.0				Si		
4476x	MA4352F	18.5	12	12				Si		
4476y	MA4353F	18.5	18	18				Si		
4476z	MA4354G	18.5	24	24				Si		
4477	MA4355G	18.5	48	48				Si		
4477a	MA4356G	18.5	60	60				Si		
4477b	1S48	20	10	20	30	20		Si*		Typical Cap. Range:13.5-50uuf
4477c	BA410 /C20	20	4.0	30	50	50		Si		
4477d	HS109	20	10	20	3.0	240		Si $\Delta$		Typical Cap. Range: 14-20uuf
4477e	MA302	20	10	35	40	25		Si		Typical Cap. Range:14-26uuf
4478	SC2	20	4.0	22						Typ. Q-35 at 50Mc.
4479	V20	20	4.0	20	7.0	50		Si	A46	Typical Cap. Range:10-50uuf
4480	V20E	20	4.0	70	7.0	50		Si	A46	Typical Cap. Range:5.0-50uuf
4481	PC113-22	22	4.0	80	50	50	T	Si	A46	Typical Cap. Range:6.4-30uuf
4482	PC116-22	22	4.0	100	100	50	T	Si	A46	Typical Cap. Range:5.3-30uuf
4482a	PC133-22	22	4.0	25	50	50		Si		
4482b	PC136-22	22	4.0	50	125	50		Si		
4482c	1S85	22.5	10	20	3.0	240		Si $\Delta$		Typical Cap. Range:19-26pf
4482d	MA4290	22.5	6.0	30				Si	F3a	Rs max. at 10KMc - 3 ohms
4482e	BA101	25	10		50	30				
4482f	THP911	25	4.0	20	50	50		Si		
4483	V27	27	4.0	20	7.0	50		Si	A46	Typical Cap. Range:14-70uuf
4484	V27E	27	4.0	65	7.0	50		Si	A46	Typical Cap. Range:7.0-70
4484a	MA4291	27.5	6.0	30				Si	F3a	Rs max. at 10KMc - 3 ohms
4484b	1S49	30	10	20	30	20		Si*		Typical Cap. Range:20-80uuf
4484c	MA303	30	10	35	40	25		Si		Typical Cap. Range:22-38uuf
4484d	THP912	30	4.0	20	50	50		Si		
4485	ZC10A	30	1.0	6.0	35	50		Si*		C - 30 $\pm$ 3 uuf
4486	ZC10B	30	1.0	6.0	35	50		Si*		C - 30 $\pm$ 6 uuf
4486a	BA102	32	4.0	20	30	50		Si	A3	Cap. Range- 20-40uuf
4486b	MA4292	32.5	6.0	30				Si	F3a	Rs max. at 10KMc - 3 ohms
4487	V33	33	4.0	20	7.0	50		Si	A46	Typical Cap. Range:17-85uuf
4488	V33E	33	4.0	60	7.0	50		Si	A46	Typical Cap. Range:9.0-85uuf
4488a	1N950	35	4.0	130	360 $\emptyset$	5.0		Si		Typical Q-39 at 50Mc.
4488b	1N954	35	4.0	25	175 $\emptyset$	5.0		Si		Typical Q-20 at 50Mc.
4488c	1SV120	35	4.0	20	35	50		Si		Typical Cap. Range:25-50uuf
4488d	1SV130	35	4.0	30	35	50		Si		Typical Cap. Range:25-50uuf
4489	HC7001	35	4.0	130	360	5.0		Si	A21	Min. Q-39 at 50 Mc.4490
4489a	HC7001A	35	4.0	130	360 $\emptyset$	5.0	T	Si	A21	Typ. Q-3950Mc; Cap. $\pm$ 10per cent
4489b	HC7001B	35	4.0	130	360 $\emptyset$	5.0	T	Si	A21	Typ. Q-39/50Mc; Cap. $\pm$ 5per cent
4490	HC7006	35	4.0	25	175	5.0		Si	A21	Min. Q-20 at 50 Mc.
4490a	HC7006A	35	4.0	25	175 $\emptyset$	5.0	T	Si	A21	Typ. Q-20/50Mc; Cap. $\pm$ 10per cent
4490b	HC7006B	35	4.0	25	175 $\emptyset$	5.0	T	Si	A21	Typ. Q-20/50Mc; Cap. $\pm$ 5per cent
4490c	SC3	35	4.0	18						
4490d	THP913	35	4.0	20	50	50		Si		Typ. Q-35 at 50Mc.
4490e	MA4321G	37.5	6.0	6.0				Si		

# 7. VOLTAGE VARIABLE CAPACITOR DIODES

LISTED IN ORDER OF CAPACITANCE, and TYPE No.



LINE No.	TYPE No.	CAPACITANCE		PIV	Q		DESCRIPTION			COMMENTS
		C ( $\mu\mu\text{f}$ )	@ Eb (volts)		Min. Q	@ FREQ (Mc)	S T A T U S	MAT.	DWG. No.	
4490f $\emptyset$	MA4322G	37.5	12	12				S1		
4490g $\emptyset$	MA4323G	37.5	18	18				S1		
4490h $\emptyset$	MA4331G	37.5	6.0	6.0				S1		
4490j $\emptyset$	MA4332G	37.5	12	12				S1		
4490k $\emptyset$	MA4333G	37.5	18	18				S1		
4490m $\emptyset$	MA4341G	37.5	6.0	6.0				S1		
4490n $\emptyset$	MA4342G	37.5	12	12				S1		
4491 $\emptyset$	MA4343G	37.5	18	18				S1		
4491a $\emptyset$	MA4351G	37.5	6.0	6.0				S1		
4491b $\emptyset$	MA4352G	37.5	12	12				S1		
4491c $\emptyset$	MA4353G	37.5	18	18				S1		
4492	V39	39	4.0	20	7.0	50		S1	A46	Typical Cap. Range:20-100uuf
4493	V39E	39	4.0	55	7.0	50		S1	A46	Typical Cap. Range:11-100uuf
4493a $\emptyset$ #	THP914	40	4.0	20	50	50		S1		
4493b*	GA53691	45	6.0	35	300	5.0		S1 $\Delta$		$\Delta C/\Delta V - 1\text{pf}/V$ at 14V.
4493c $\emptyset$ #	THP915	45	4.0	20	50	50		S1		
4493d	PC114-47	47	4.0	80	50	50	T	S1	A46	Typical Cap.Range:13.6-64uuf
4493e	PC117-47	47	4.0	100	100	50	T	S1	A46	Typical Cap.Range:11.2-64uuf
4493f	PC122-47	47	4.0	100	75	50		S1	A46	
4493g	PC134-47	47	4.0	25	50	50		S1		
4493h	PC137-47	47	4.0	50	100	50		S1		
4494	V47	47	4.0	20	7.0	50		S1	A46	Typical Cap. Range:24-120uuf
4495	V47E	47	4.0	50	7.0	50		S1	A46	Typical Cap. Range:14-120uuf
4496	1N951	50	4.0	80	330 $\emptyset$	5.0		S1		Typical Q-36 at 50Mc.
4497	1N955	50	4.0	25	175 $\emptyset$	5.0		S1		Typical Q-20 at 50Mc.
4498	HC7002	50	4.0	80	330	5.0		S1	A21	Min. Q-36 at 50 Mc.
4498a	HC7002A	50	4.0	80	330 $\emptyset$	5.0	T	S1	A21	Typ.Q-36/50Mc;Cap. $\pm 10$ per cent
4498b	HC7002B	50	4.0	80	330 $\emptyset$	5.0	T	S1	A21	Typ.Q-36/50Mc;Cap. $\pm 5$ per cent
4499	HC7007	50	4.0	25	175	5.0		S1	A21	Min. Q-20 at 50 Mc.
4499a	HC7007A	50	4.0	25	175 $\emptyset$	5.0	T	S1	A21	Typ.Q-20/50Mc;Cap. $\pm 10$ per cent
4499b	HC7007B	50	4.0	25	175 $\emptyset$	5.0	T	S1	A21	Typ.Q-20/50Mc;Cap. $\pm 5$ per cent
4500	SC5	50	4.0	11						Typ. Q-35 at 50Mc.
4501	V56	56	4.0	15	7.0	50		S1	A46	Typical Cap. Range:32-145uuf
4502	V56E	56	4.0	40	7.0	50		S1	A46	Typical Cap. Range:20-145uuf
4503	V68	68	4.0	15	9.0	50		S1	A46	Typical Cap. Range:39-175uuf
4503a	1N952	70	4.0	60	270 $\emptyset$	5.0		S1		Typical Q-30 at 50Mc.
4503b	1N956	70	4.0	25	175 $\emptyset$	5.0		S1		Typical Q-20 at 50Mc.
4504	HC7004	70	4.0	60	270	5.0		S1	A21	Min. Q-30 at 50 Mc.
4504a	HC7004A	70	4.0	60	270 $\emptyset$	5.0	T	S1	A21	Typ.Q-30/50Mc;Cap. $\pm 10$ per cent
4504b	HC7004B	70	4.0	60	270 $\emptyset$	5.0	T	S1	A21	Typ.Q-30/50Mc;Cap. $\pm 5$ per cent
4505	HC7008	70	4.0	25	175	5.0		S1	A21	Min. Q-20 at 50 Mc.
4505a	HC7008A	70	4.0	25	175 $\emptyset$	5.0	T	S1	A21	Typ.Q-20/50Mc;Cap. $\pm 10$ per cent
4505b	HC7008B	70	4.0	25	175 $\emptyset$	5.0	T	S1	A21	Typ.Q-20/50Mc;Cap. $\pm 5$ per cent
4506	SC7	70	4.0	9.0						Typ. Q-35 at 50Mc.
4507	V82	82	4.0	15	9.0	50		S1	A46	Typical Cap. Range:47-210uuf
4507a	1N953	100	4.0	25	200 $\emptyset$	5.0		S1		Typical Q-23 at 50Mc.
4507b $\emptyset$	GA53754	100	9.5	22				S1 $\Delta$		$\Delta C/\Delta V-4\text{pf}/V$ at 10V.
4508	HC7005	100	4.0	25	200	5.0		S1	A21	Min. Q-23 at 50 Mc.
4508a	HC7005A	100	4.0	25	200 $\emptyset$	5.0	T	S1	A21	Typ.Q-23/50Mc;Cap. $\pm 10$ per cent
4508b	HC7005B	100	4.0	25	200 $\emptyset$	5.0	T	S1	A21	Typ.Q-23/50Mc;Cap. $\pm 5$ per cent
4509	V100	100	4.0	15	8.0	50		S1	A21	Typical Cap. Range:57-260 uuf
4510	SC11	105	4.0	6.0						Typ. Q-35 at 50Mc.
4510a $\emptyset$	GA53786	150	6.0	35	200	2.5		S1 $\Delta$		$\Delta C/\Delta V-3.1\text{pf}/V$ at 14V.
4511	SC15	150	4.0	6.0						Typ. Q-35 at 50Mc.
4511a	SC47	470	4.0	25	100	.10		S1		
4512	SC50	500	4.0	25				S1 $\Delta$		
4512a	SC68	680	4.0	20	100	.10		S1		Typical Cap. Range:270-1710uuf
4512b	SC82	820	4.0	20	100	.10		S1		
4512c $\emptyset$	GA53777	1000	20.6	26				S1 $\Delta$		$\Delta C/\Delta V-61\text{pf}/V$ at 10.5V.
4513	SC100	1000	4.0	25	100	.10		S1 $\Delta$		Typical Cap. Range:540-3420uuf
4513a	SC120	1200	4.0	20	100	.10		S1		
4513b	SC150	1500	4.0	20	100	.10		S1		
4513c	SC180	1800	4.0	20	100	.10		S1		
4514	SC200	2000	4.0	25				S1 $\Delta$		Typical Cap.Range:1080-6840uuf

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.



## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4551	1N60	1	DO7		PIV-30V., Rev.I-67ua at 10V.-Germanium
4552	1N64	1	DO7		PIV-20V.,min. rev. R-50K at 10V - Video Detector
4553	1N64A	1			PIV- 50V; Ir-25ua at 10V.
4554	1N105	1			PIV-30V.,Rev. R-150K from 0 to 10V.
4555	1N134	1			PIV-40V., 400Mc. detector.
4556	1N295	1	DO7		PIV-40V., Rev. I- 200ua at 10V.
4556a	1N295A	1			PIV - 40, Rev. I - 200 ua at 10V. (Glass Package)
4556b	1N830A	1	A1		Silicon; PIV-5V.; Rect. Eff.- 65 per cent; If-25ma.
4556c	1N2782	1			UHF detector
4556e#	40P1	1			Min. If-15ma at 1V; Rev.I-250ua at 10V
4556fØ#	46P1	1			Ge; If-2.75ma min. at 1V., Ir-.2ma max. at 50V. Conv. Eff. at 30 Mc-55 per cent min.
4557	C60	1			1N60 with clip-in mounting.
4558	G6	1			P.I.V.-15V.; Min. Rect. Eff.-60 Per cent.
4559	G7B	1			P.I.V.-5V.; Min. Rect. Eff.-75 per cent.
4560	G7C	1			G7B with leads.
4560a#	G51	1			PIV-3V; If-3ma at .5V.
4560b#	G63	1			PIV-40V; If-3ma at 1V.
4560c#	G604	1			PIV-70V; 3ma at 1V.
4560dØ	GA53597	1			Matched Pair of 1N696.
4560eØ#	GD13	1	A58		Ge; If-4.0ma at 1.0V; 36Mc Detector.
4560fØ#	GD16	1	A58		Ge; If-5.0ma at 1.0V; 38Mc Detector.
4560g#	GW20	1			PIV-30V., Rev. I-7ua at 10 V.-Germanium.
4560h	LD47	1	DO7		Germanium; Min. If-20ma at .75Volts.
4560j	MA439	1	P3		X Band Controlled Voltage Detector,Silicon.
4560k	MC7	1			UHF Det. 10-1000 Mc; Power level-2mw; Video Imp.-125-250
4560m	MC7A	1			UHF Det. 10-1000 Mc; Power level-2mw; Video Imp.-125-250
4560n	MC7B	1			UHF Det. 10-1000 Mc; Power level-3mw; Video Imp.-125-250
4560p	MC7C	1			UHF Det. 10-1000 Mc; Power level-10mw Video Imp.-125-250
4560q	MC7D	1			UHF Det. 10-1000 Mc; Power level-10mw Video Imp.-125-250
4561	OA70	1	A7		Detector to 1000 Mc.; P.I.V.-15V.
4561a#	SD60	1	A23		PIV-40V; Conv.eff.-55 pct. min. at 45mc Germanium.
4561bØ#	SFD104	1	A21		PIV-25V., Rev.I-6ua at 2.0V. - Video Detector
4561c#	SFD106	1	A21		PIV-25V., Rev.I-40ua at 10V. Video detector
4561d#	S15	1			UHF - Detector; 5.0ma at 1.0V.
4561e#	S110	1			UHF - Detector; 10ma at 1.0V.
4562	1N72	2			Max. Conv. Loss-12db at 900Mc.
4564	1N82	2	DO7		Noise Figure - 16db. max.
4565	1N82A	2	DO7		Silicon-Max.N.F.-14db; PIV-5V
4566	1N132	2			PIV-25V., Rev. I- 500ua at 50V.
4567	1N147	2			10db max.noise figure;PIV-2V; 25ma avg. DC current
4569	1N173A	2			N.F.-12.5 db max.;I-2ma,Plo-.5mw,RI-50,ZRF-300,FIF-4.5db.
4570	1N285	2			Max. N. F.-12.5db.
4571	1N299	2			Min. If-3ma at .5V., Rev. I- 200ua at 6V.
4571a#	1S50	2			Ge; PIV-40V; Rev. I-75ua at 10V.
4571c	DC7	2			PIV-15V; Rect. eff.-50 pct min; Conv. Loss-12db. max.
4571d	DC7A	2			PIV-10V; Rect. eff.-60 pct min; Conv. Loss-12db. max.
4571e	DC7B	2			PIV- 5V; Rect. eff.-70 pct min; Conv. Loss-12db. max.
4571f	DC7C	2			PIV-10V; Rect. eff.-75 pct min; Conv. Loss- 6db. max.
4571g	DC7D	2			PIV-15V; Rect. eff.-85 pct min; Conv. Loss- 6db. max.
4572	G7A	2			Max. Conv. Loss-12db.
4573#	GEX64	2	A24		Max. Rev. I-160ua at 1V.
4574#	GEX66	2	A24		Max. Rev. I-50ua at 1V.
4574a#	GW102	2			Max. Conv. Loss-12db at 900 Mc.
4575#	OA21	2, 3			Rev. Ib-300ma at 2V;Fwd If-20ma at .50V;Max. freq. 1000Mc
4575aØ#	SFD117	2	A21		10db avg. Noise Figure;PIV-2V; 25ma avg. DC current
4576	1N109	3			
4577	G7D	3			P.I.V. - 5V.
4578	G7E	3			G7D with leads.
4578a	MA435	3	M15		Input-26.5 to 40KMc;Output-53 to 80KMc.
4579Ø#	1F2	4			Si; 50V. Max;Dark I-.50ua at 25 deg.C
4579a	1N77A	4	C11a		Forward Drop-1V/10ma;Dark IR-30ua/50V;Dark Noise-1.5mv;RMS/ 45v with RL-100K;Min.Light Sens.-18.7v peak to peak.

## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4579b	1N77B	4	C11		Same as 1N77A.
4579c	1N85	4			Dark I-6ua at 90V; Light I-385ua at 25 deg C.
4579d	1N2175	4			Sens.-22ua/mw/sq.cm.;Max.dark I-.5ua at 50V;250mw; AC or DC-50V max.; max. temp.-125 deg. C.
4579e#	1S701	4			Duo-Diode;Dark I-.50ua max/50V/25 deg.C;Sens.-22ua/mW/sq.cm
4579f#	1S704	4			Sens. 22ua/mW/sq.cm; max. dark I-.5ua at 50V; 250mW.
4579g#	2F2	4			Si; 40V. Max;Dark I-.50ua at 25 deg.C
4579h#	3F2	4			Si; 30V. Max;Dark I-.50ua at 25 deg.C
4579j#	4F2	4			Si; 20V. Max;Dark I-.50ua at 25 deg.C
4579k	6694A	4			Cadmium-Sulfide; Head-On; S-12 Response
4579m	7223	4			Ge; Sens.-.68ua/watt/sq. meter; Max. dark I-35ua
4579n	7467	4			Ge; Sens.-14ma/Lumen; Max. dark I-35ua
4579p	7536	4			Cadmium-Sulfide; Side-On; S-15 Response
4579q	EA7E1	4			Si.Out I-300ua min;Dark Ir-5ua max;Response-10usec.max.
4579r	EA7E2	4			Si.Out I-300ua min;Dark Ir-10ua max;Response-10usec.max.
4579s	EA7E3	4			Si.Out I-250ua min;Dark Ir-10ua max;Response-10usec.max.
4580	EA7E5	4			Si.Out I-200ua min;Dark Ir-20ua max;Response-10usec.max.
4580a	HPC4-01	4			Si. Readout Cells;Area-.38x.20in.; 4 Readout Positions
4580b	HPC5-01	4			Si. Readout Cells;Area-.48x.20in.; 5 Readout Positions
4580c	HPC6-01	4			Si. Readout Cells;Area-.58x.20in.; 6 Readout Positions
4580d	HPC7-01	4			Si. Readout Cells;Area-.68x.20in.; 7 Readout Positions
4580e	HPC8-01	4			Si. Readout Cells;Area-.78x.20in.; 8 Readout Positions
4580f	HPC9-01	4			Si. Readout Cells;Area-.88x.20in.; 9 Readout Positions
4580g	HPC10-01	4			Si. Readout Cells;Area-.98x.20in.; 10 Readout Positions
4580h	HPC10-02	4			Si. Readout Cells;Area-.85x.25in.; 10 Readout Positions
4581#	KF11	4			Grain-boundary photo-diode.
4581a	LS221	4			Null Sensor;Output-250mv min.at 280 ft.cdls. at 2500deg.K
4581b	LS222	4			Card Reader;Output-250ua at 1250 ft. cdls. at 2800 deg.K
4581c	LS223	4			Card Reader;Output-300ua at 1250 ft. cdls. at 2800 deg.K
4581d	M2000	4			Indium Antimonide Infrared Detector.
4581e	M3000	4			Indium Antimonide Infrared Detector.
4581f#	OAP12	4			Ge.; Sens.-5ua/100 lumen min.
4582#	PG40B	4			Sens.-30ma/Lumen;dark I-200ua at 25V.
4583#	PG50A	4			Sens.-.1ua/watt/sq. meter at 1.6u;dark I-250ua at 50V.
4584#	PHG1	4	M17		Max. Volt.-30V;Min.Sens.-70ma/Lumen;Dark I-10ua at 30V.
4584a	PHG2	4	M17a		Sens.-30ma/Lumen;dark I-10ua/30V. at 25 deg C.
4584b∅	PR4	4			CdS;-Va-110V max.
4584c∅	PR5	4			CdS;-Va-250V max.
4584d∅	PR7	4			CdS;-Va-200V max.
4584e	SPR5-01	4			Silicon; Active Area-0.128x0.08 in.; 5 Readout positions.
4584f	SPR6-01	4			Silicon; Active Area-0.128x0.08 in.; 6 Readout positions.
4584g	SPR8-01	4			Silicon; Active Area-0.128x0.08 in.; 8 Readout positions.
4584h	SPR9-01	4			Silicon; Active Area-0.128x0.08 in.; 9 Readout positions.
4584j∅	TP5	4			Ge; Dark I-.10ua max. at 25 deg.C; fco-30Kc
4585	TP50	4			Sens.-30ma/Lumen;Dark I-3.5ua max.;Max.work.V.-100V; Ge.
4586#	TP55	4			Germanium; Working V.-50V; dark I-10ua max.
4586a∅	4AD20-5	5			Si;Vs-20±4;Ih-5ma;Ip-20A;T-65deg.C max.
4586b∅	4AD20-25	5			Si;Vs-20±4;Ih-25ma;Ip-20A;T-65deg.C max.
4586c∅	4AD20M-5	5	C17		Si;Vs-20±4;Ih-5ma;Ip-20A;T-105deg.C max.
4586d∅	4AD20M-25	5	C17		Si;Vs-20±4;Ih-25ma;Ip-20A;T-105deg.C max.
4586e∅	4AD30-5	5			Si;Vs-30±4;Ih-5ma;Ip-20A;T-65deg.C max.
4586f∅	4AD30-25	5			Si;Vs-30±4;Ih-25ma;Ip-20A;T-65deg.C max.
4586g∅	4AD30M-5	5	C17		Si;Vs-30±4;Ih-5ma;Ip-20A;T-105deg.C max.
4586h∅	4AD30M-25	5	C17		Si;Vs-30±4;Ih-25ma;Ip-20A;T-105deg.C max.
4587∅	4AD40-5	5			Si;Vs-40±4;Ih-5ma;Ip-20A;T-65deg.C max.
4587a∅	4AD40-25	5			Si;Vs-40±4;Ih-25ma;Ip-20A;T-65deg.C max.
4587b∅	4AD40M-5	5	C17		Si;Vs-40±4;Ih-5ma;Ip-20A;T-105deg.C max.
4587c∅	4AD40M-25	5	C17		Si;Vs-40±4;Ih-25ma;Ip-20A;T-105deg.C max.
4587d∅	4AD50-5	5			Si;Vs-50±4;Ih-5ma;Ip-20A;T-65deg.C max.
4587e∅	4AD50-25	5			Si;Vs-50±4;Ih-25ma;Ip-20A;T-65deg.C max.
4588∅	4AD50M-5	5	C17		Si;Vs-50±4;Ih-5ma;Ip-20A;T-105deg.C max.
4588a∅	4AD50M-25	5	C17		Si;Vs-50±4;Ih-25ma;Ip-20A;T-105deg.C max.
4588b∅	4D20-3	5	C1b		Si;Vs-20±4;Ih-3ma;Ip-2A;T-65deg.C max.

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4588c	4D20-12	5	C1b		Si; Vs-20±4; Ih-12ma; Ip-2A; T-65deg.C max.
4588d	4D20-30	5	C1b		Si; Vs-20±4; Ih-30ma; Ip-2A; T-65deg.C max.
4589	4D20M-3	5	C1b		Si; Vs-20±4; Ih-3ma; Ip-4A; T-105deg.C max.
4589a	4D20M-12	5	C1b		Si; Vs-20±4; Ih-12ma; Ip-4A; T-105deg.C max.
4589b	4D20M-30	5	C1b		Si; Vs-20±4; Ih-30ma; Ip-4A; T-105deg.C max.
4589c	4D30-3	5	C1b		Si; Vs-30±4; Ih-3ma; Ip-2A; T-65deg.C max.
4589d	4D30-12	5	C1b		Si; Vs-30±4; Ih-12ma; Ip-2A; T-65deg.C max.
4589e	4D30-30	5	C1b		Si; Vs-30±4; Ih-30ma; Ip-2A; T-65deg.C max.
4589f	4D30M-3	5	C1b		Si; Vs-30±4; Ih-3ma; Ip-4A; T-105deg.C max.
4590	4D30M-12	5	C1b		Si; Vs-30±4; Ih-12ma; Ip-4A; T-105deg.C max.
4590a	4D30M-30	5	C1b		Si; Vs-30±4; Ih-30ma; Ip-4A; T-105deg.C max.
4590b	4D40-3	5	C1b		Si; Vs-40±4; Ih-3ma; Ip-2A; T-65deg.C max.
4590c	4D40-12	5	C1b		Si; Vs-40±4; Ih-12ma; Ip-2A; T-65deg.C max.
4591	4D40-30	5	C1b		Si; Vs-40±4; Ih-30ma; Ip-2A; T-65deg.C max.
4591a	4D40M-3	5	C1b		Si; Vs-40±4; Ih-3ma; Ip-4A; T-105deg.C max.
4591b	4D40M12	5	C1b		Si; Vs-40±4; Ih-12ma; Ip-4A; T-105deg.C max.
4591c	4D40M30	5	C1b		Si; Vs-40±4; Ih-30ma; Ip-4A; T-105deg.C max.
4592	4D50-3	5	C1b		Si; Vs-50±4; Ih-3ma; Ip-2A; T-65deg.C max.
4592a	4D50-12	5	C1b		Si; Vs-50±4; Ih-12ma; Ip-2A; T-65deg.C max.
4592b	4D50-30	5	C1b		Si; Vs-50±4; Ih-30ma; Ip-2A; T-65deg.C max.
4592c	4D50M3	5	C1b		Si; Vs-50±4; Ih-3ma; Ip-4A; T-105deg.C max.
4593	4D50M12	5	C1b		Si; Vs-50±4; Ih-12ma; Ip-4A; T-105deg.C max.
4593a	4D50M30	5	C1b		Si; Vs-50±4; Ih-30ma; Ip-4A; T-105deg.C max.
4593b	4D80-3	5	C1b		Si; Vs-80±8; Ih-3ma; Ip-2A; T-65deg.C max.
4594	4D80-23	5	C1b		Si; Vs-80±8; Ih-23ma; Ip-2A; T-65deg.C max.
4594a	4D80M3	5	C1b		Si; Vs-80±8; Ih-3ma; Ip-4A; T-105deg.C max.
4594b	4D80M23	5	C1b		Si; Vs-80±8; Ih-23ma; Ip-4A; T-105deg.C max.
4595	4D120-3	5	C1b		Si; Vs-120±12; Ih-3ma; Ip-2A; T-65deg.C max.
4595a	4D120-23	5	C1b		Si; Vs-120±12; Ih-23ma; Ip-2A; T-65deg.C max.
4595b	4D120M3	5	C1b		Si; Vs-120±12; Ih-3ma; Ip-4A; T-105deg.C max.
4595c	4D120M23	5	C1b		Si; Vs-120±12; Ih-23ma; Ip-4A; T-105deg.C max.
4596	4D200-3	5	C1b		Si; Vs-200±20; Ih-3ma; Ip-2A; T-65deg.C max.
4596a	4D200-23	5	C1b		Si; Vs-200±20; Ih-23ma; Ip-2A; T-65deg.C max.
4596b	4D200M3	5	C1b		Si; Vs-200±12; Ih-3ma; Ip-4A; T-105deg.C max.
4596c	4D200M23	5	C1b		Si; Vs-200±12; Ih-23ma; Ip-4A; T-105deg.C max.
4597	4G50	5	S52		Si; Vs-50±4; Ih-25ma; Ip-75A; T-65deg.C max.
4597a	4G50M	5	S52		Si; Vs-50±4; Ih-25ma; Ip-75A; T-105deg.C max.
4597b	4G100	5	S52		Si; Vs-100±10; Ih-25ma; Ip-75A; T-65deg.C max.
4598	4G100M	5	S52		Si; Vs-100±10; Ih-25ma; Ip-75A; T-105deg.C max.
4598a	4G200	5	S52		Si; Vs-200±20; Ih-25ma; Ip-75A; T-65deg.C max.
4598b	4G200M	5	S52		Si; Vs-200±20; Ih-25ma; Ip-75A; T-105deg.C max.
4598c	4J100-5	5			Si; Vs-100±10; Ih-5ma; Ip-20A; T-65deg.C max.
4599	4J100-25	5			Si; Vs-100±10; Ih-25ma; Ip-20A; T-65deg.C max.
4599a	4J100M-5	5	A57		Si; Vs-100±10; Ih-5ma; Ip-20A; T-105deg.C max.
4599b	4J100M-25	5	A57		Si; Vs-100±10; Ih-25ma; Ip-20A; T-105deg.C max.
4599c	4J200-5	5			Si; Vs-200±20; Ih-5ma; Ip-20A; T-65deg.C max.
4600	4J200-25	5			Si; Vs-200±20; Ih-25ma; Ip-20A; T-65deg.C max.
4600a	4J200M-5	5	A57		Si; Vs-200±20; Ih-5ma; Ip-20A; T-105deg.C max.
4601	4J200M-25	5	A57		Si; Vs-200±20; Ih-25ma; Ip-20A; T-105deg.C max.
4601a**	DS1E	5	TO18		Si. Switch V-100V; IF-100ma max.; Sustaining I-.20-2.0ma
4601b**	DS1F	5	TO18		Si. Switch V-100V; IF-100ma max.; Sustaining I-2.0-10ma
4602**	DS1G	5	TO18		Si. Switch V-100V; IF-100ma max.; Sustaining I-10-25ma
4602a	GA53679	5			Switching Volt-35±5V; I-20ma max.; Is-1ua max.
4603	1N836	6	A21		VS-5V. min at 10ua; Cp-2-4uuf; min Q-8 at 1KMC Glass Pkg
4603a	1N894	6	A21		VS-5V. min at 10ua; Cp-2-3.5uuf; min Q-10 at 1KMC Glass Pkg
4603b	1N895	6	A21		VS-5V. min at 10ua; Cp-2-3uuf; min Q-14 at 1KMC Glass Pkg
4603c	1N896	6	A21		VS-5V. min at 10ua; Cp-2-2.5uuf; min Q-18 at 1KMC Glass Pkg
4604	1N2386	6	P3a		Microwave Package Version of 1N836
4605	1N2627	6	P3a		Microwave Package Version of 1N894
4606	1N2628	6	P3a		Microwave Package Version of 1N895
4606a	1N2629	6	P3a		Microwave Package Version of 1N896
4606b	1N3152	6			UHF Strip-Line Parametric Amp.
4606c	1N3153	6			UHF Strip-Line Parametric Amp.

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## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4606d#	GSB1A	6			Cut off freq. 60KMc min. at 5V;Power 150uW min. at 12KMc.
4606e#	GSB1B	6			Cut off freq. 100KMc min. at 5V;Power 200uW min. at 12KMc.
4606f	MA-H	6			Silicon Parametric Amplifier Varactor Diode for 144-440 MC Region.
4606g	2A	7			Si.;Area-1.125in. dia;Power out-32mw at100mw/sq.cm. input
4606h	51C	7			Si.;Area-.20x.40in.;Power out-3mw at100mw/sq.cm. input
4606i	52C	7			Si.;Area-.20x.80in.;Power out-6mw at100mw/sq.cm. input
4606j	55C	7			Si.;Area-.20x.20in.;Power out-1.2mw at100mw/sq.cm. input
4606k	58C	7			Si.;Area-.20x.09in.;Power out-.wmw at100mw/sq.cm. input
4606m	110C	7			Si.;Area-.40x.40in.;Power out-6mw at100mw/sq.cm. input
4606n	120C7	7			Si; 31.5ma min.; Conv.-eff.-7 pct; Load V.-400mv.
4606p	120C8	7			Si; 36ma min.; Conv.-eff.-8 pct; Load V.-400mv.
4606q	120C9	7			Si; 40.5ma min.; Conv.-eff.-9 pct; Load V.-400mv.
4606r	120C10	7			Si; 45ma min.; Conv.-eff.-10 pct; Load V.-400mv.
4606s	120C11	7			Si; Active Area .28 sq.inches;Conv.Eff.-11 pct.
4606t	120CG10	7			Si; Active Area .28 sq.inches;Conv.Eff.-10 pct.
4606u	120CG11	7			Si; 40.8ma min.; Conv.-eff.-11 pct; Load V.-485mv.
4606v	120CG12	7			Si; 44.5ma min.; Conv.-eff.-12 pct; Load V.-485mv.
4606w	120CG13	7			Si; 48.2ma min.; Conv.-eff.-13 pct; Load V.-485mv.
4606x	120CG14	7			Si; 51.9ma min.; Conv.-eff.-14 pct; Load V.-485mv.
4606y	200A	7			Si;Area-.63 in dia.;Power Out-8.4mW at 10000 ft. candles
4606z	220C	7			Si.;Area-.80x.80in.;Power out-28mw at100mw/sq.cm. input
4607	220C8	7			Si; Active Area .59 sq.inches;Conv.Eff.-8 pct.
4607a	220C9	7			Si; Active Area .59 sq.inches;Conv.Eff.-9 pct.
4607b	220C10	7			Si; Active Area .59 sq.inches;Conv.Eff.-10 pct.
4607c	H5B	7	T		Si; I-32ma at 2.0V; Power-65mw;Max.Area .28x1x2.6 inches.
4607d	H5C	7	T		Si; I-42ma at 2.0V; Power-84mw;Max.Area .28x1x2.6 inches.
4607e#	MS1	7			Rect. Si. Photocell, Active Area-.120 in. x .09 in.
4607f#	MS1A	7			Si.;Active Area 8.7sq mm;Rise Time 1.0 usec max.
4607g#	MS1B	7			Si.;Active Area 8.7sq mm;Rise Time 1.0 usec max.
4607h#	MS1C	7			Si.;Active Area 8.7sq mm;Rise Time 1.0 usec max.
4608#	MS2	7			Rect. Si. Photocell, Active Area-.70 in. x .50 in.
4608a#	MS2A	7			Si.;Active Area 222sq mm;Rise Time 5.0 usec max.
4608b#	MS4	7			Si Photovoltaic cell;Active area 6.3x5.5sq.mm. Rise Time 5usec max;Voc-400mV;Isc-100ua at 100 foot candles.
4608c#	MS4A	7			Si.;Active Area 34sq mm;Rise Time 5.0 usec max.
4608d#	MS5	7			Si Photovoltaic cell;Active area 5.5x12.7sq.mm. Rise Time 5usec max;Voc-390mV;Isc-200ua at 100 foot candles.
4608e#	MS5A	7			Si.;Active Area 67.7sq mm;Rise Time 5.0 usec max.
4608f#	MS6	7			Si Photovoltaic cell;Active area 5.5x19sq.mm. Rise Time 5usec max;Voc-380mV;Isc-300ua at 100 foot candles.
4608g#	MS6A	7			Si.;Active Area 101.5sq mm;Rise Time 5.0 usec max.
4608h#	MS7	7			Si Photovoltaic cell;Active area 5.5x25.4sq.mm. Rise Time 5usec max;Voc-370mV;Isc-400ua at 100 foot candles.
4608j#	MS7A	7			Si.;Active Area 135sq mm;Rise Time 5.0 usec max.
4608k#	MS8A	7			Si.;Active Area 6.3sq mm;Rise Time 1.0 usec max.
4608m#	MS8B	7			Si.;Active Area 6.3sq mm;Rise Time 1.0 usec max.
4608n#	MS9A	7			Si Photovoltaic high light level cell;Act.area 2.5x1.25sq.mm Rise Time 1usec max;Voc-400mV;Isc-200ua at 100 foot candles.
4608p#	MS9B	7			Si Photovoltaic low light level cell;Act.area 2.5x1.25sq.mm Rise Time 1usec max;Voc-400mV;Isc-200ua at 100 foot candles.
4609#	MS10	7			Circular Silicon Photocell, Active Area .30in. dia.
4610#	MS11	7			Cir.Si. Photocell,Active Area 1.0in. dia;Rise t.-1usec max
4610a	N2009	7			9 pct eff; .53V min. open circuit;36ma min. short circuit
4611	S0510	7			Conversion Efficiency 4 Per cent
4612	S0510A	7			Conversion Efficiency 6 per cent
4613	S0510B	7			Conversion Efficiency 8 per cent
4614	S0520	7			Conversion Efficiency 4 per cent
4615	S0520A	7			Conversion Efficiency 6 per cent
4616	S0520B	7			Conversion Efficiency 8 per cent
4617	S1020	7			Conversion Efficiency 4 per cent
4618	S1020A	7			Conversion Efficiency 6 per cent
4619	S1020B	7			Conversion Efficiency 8 per cent

## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4620	SD1020A	7			Conversion Efficiency 4-6 per cent
4621	SD1020B	7			Conversion Efficiency 6-8 per cent
4622	SD21020A	7			Conversion Efficiency 4-6 per cent
4623	SD21020B	7			Conversion Efficiency 6-8 per cent
4624	SM51020A	7			Conversion efficiency 4-6 per cent
4625	SM51020B	7			Conversion Efficiency 6-8 percent
4626#	TP60	7			0.50V at 10ma; 1.5 sq. cm
4627	6957	8			CdS; Sens.-160ma/Lumen; Max. dark I-20ua.
4628	7163	8			CdS; Sens.-820ma/Lumen; Max. dark I-40ua
4628a	7412	8			CdS; Sens.-4500/Lumen; Max. dark I-0.1ua
4629Ø	7846	8			CdS;Sens-41 amps/Lumen;I-Photo-1.0ma max. Power-30mw.
4629a	A2	8			Se;Round Sens.Area-.045sq.in.Output I-12ua at 1000fc.
4629b	A3	8			Se;Round Sens.Area-.06sq.in.Output I-20ua at 1000fc.
4629c	A5	8			Se;Round Sens.Area-.78sq.in.Output I-250ua at 1000fc.
4629d	A5M	8			Se;Output I-220ua at 100fc;Output V-.30V. 100fc.
4629e	A7	8			Se;Round Sens.Area-1.40sq.in.Output I-440ua at 1000fc.
4629f	A7M	8			Se;Output I-350ua at 100fc;Output V-.31V. 100fc.
4629g	A10	8			Se;Round Sens.Area-2.04sq.in.Output I-600ua at 1000fc.
4629h	A10M	8			Se;Output I-550ua at 100fc;Output V-.30V. 100fc.
4629i	A15	8			Se;Round Sens.Area-2.58sq.in.Output I-770ua at 1000fc.
4629j	A15M	8			Se;Output I-700ua at 100fc;Output V-.31V. 100fc.
4629k	A30	8			Se;Round Sens.Area-5.10sq.in.Output I-1400ua at 1000fc.
4629l	B1	8			Se;Rect.;Sens.Area-.12sq.in.Output I-32ua at 1000fc.
4629m	B2	8			Se;Rect.;Sens.Area-.26sq.in.Output I-77ua at 1000fc.
4629n	B4	8			Se;Rect.;Sens.Area-.39sq.in.Output I-120ua at 1000fc.
4629p	B5	8			Se;Rect.;Sens.Area-.78sq.in.Output I-250ua at 1000fc.
4629q	B10	8			Se;Rect.;Sens.Area-1.26sq.in.Output I-380ua at 1000fc.
4629r	B10M	8			Se;Output I-320ua at 100fc;Output V-.30V. 100fc.
4629s	B15	8			Se;Rect.;Sens.Area-2.25sq.in.Output I-640ua at 1000fc.
4629t	B17	8			Se;Rect.;Sens.Area-2.6sq.in.Output I-710ua at 1000fc.
4629u	B20	8			Se;Rect.;Sens.Area-3.3sq.in.Output I-900ua at 1000fc.
4629v	B30	8			Se;Rect.;Sens.Area-9.41sq.in.Output I-2200ua at 1000fc.
4629w	DP2	8			Se;Sens.Area-.088sq.in.Output I-24ua at 100fc.
4629x	DP3	8			Se;Sens.Area-.21sq.in.Output I-66ua at 100fc.
4629y	DP5	8			Se;Sens.Area-2.25sq.in.Output I-600ua at 100fc.
4630#	ORP10	8			Indium Antimonide; Spectral response visible to 8 microns
4630a#	ORP11	8			CdS; Spectral response in red and infra-red region.
4630bØ	ORP60	8			CdS;Top Sens.;Max.Dark I-1.5ua/300v; .8ma max/30v. and 5fc.
4631Ø	ORP61	8			CdS;Side Sens.;Max.Dark I-1.5ua/300v; .8ma max/30v. and 5fc.
4631a	PC103	8			Se;Round Sens.Area-2.20sq.in.Output I-600ua at 1000fc.
4632	3A30A	9			Anode V-30V. Max; Gate V. to Fire-.40 to .8V.
4633	3A31	9			Anode V-30V. Max; Gate V. to Fire-.44 to .6V.
4634	3A60A	9			Anode V-60V. Max; Gate V. to Fire-.40 to .8V.
4635	3A61	9			Anode V-60V. Max; Gate V. to Fire-.44 to .6V.
4636	3A100A	9			Anode V-100V. Max; Gate V. to Fire-.40 to .8V.
4636a	3A101	9			Anode V-100V. Max; Gate V. to Fire-.44 to .6V.
4636b	3A200A	9			Anode V-200V. Max; Gate V. to Fire-.40 to .8V.
4636c	3A201	9			Anode V-200V. Max; Gate V. to Fire-.44 to .6V.
4636d	S180	9			S1 Avalanche Switch;less than .15 musec, Cap-1.8 to 3 uuf at 3V; Switch on-off Voltage 6-7.5V.
4636eØ#	BZT10	10	S34		S1; PNP-IF-15A; PIV-50V
4636fØ#	BZT11	10	S34		S1; PNP-IF-15A; PIV-100V
4636gØ#	BZT12	10	S34		S1; PNP-IF-15A; PIV-200V
4636hØ#	BZT13	10	S34		S1; PNP-IF-15A; PIV-350V
4636i	HCR30N	10	TO5		S1;Complimentary NPNP-1A at 80deg.C;VF(off) and VR-30V max
4636j	HCR30P	10	TO5		S1;Complimentary PNP-1A at 80deg.C;VF(off) and VR-30V max
4636k	HCR50N	10	TO5		S1;Complimentary NPNP-1A at 80deg.C;VF(off) and VR-50V max
4636m	HCR50P	10	TO5		S1;Complimentary PNP-1A at 80deg.C;VF(off) and VR-50V max
4636n	HCR100N	10	TO5		S1;Complimentary NPNP-1A at 80deg.C;VF(off) and VR-100Vmax
4636p	HCR100P	10	TO5		S1;Complimentary PNP-1A at 80deg.C; VF(off) and VR-100Vmax
4636q	HCR150N	10	TO5		S1;Complimentary NPNP-1A at 80deg.C;VF(off) and VR-150Vmax
4636r	HCR150P	10	TO5		S1;Complimentary PNP-1A at 80deg.C;VF(off) and VR-150Vmax
4636s	HCR200N	10	TO5		S1;Complimentary NPNP-1A at 80deg.C;VF(off) and VR-200Vmax

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## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4636t	HCR200P	10	TO5		Si; Complimentary PNP-1A at 80deg.C; VF(off) and VR-200Vmax
4636u	HCR300P	10	TO5		Si; Complimentary PNP-1A at 80deg.C; VF(off) and VR-300Vmax
4636v	HCR400P	10	TO5		Si; Complimentary PNP-1A at 80deg.C; VF(off) and VR-400Vmax
4637	PS592	11			R at 1ma-60ohm; Ib-.10ua at 2V; Ef-.64±10 per cent, Silicon
4638	PS592G	11			R at 1ma-60ohm; Ib-.10ua at 2V; Ef-.64±10 per cent, Silicon
4639	PS594	11			R at 1ma-60ohm; Ib-1ua at 5V; Ef-.62±10 per cent, Silicon
4641	PS595	11			R at 1ma-60ohm; Ib-5ua at 5V; Ef-.62±10 per cent, Silicon
4643	PS645	11			R at 1ma-100ohm; Ib-1ua at 5V; Ef-.62±10 per cent, Silicon
4644	PS645G	11			R at 1ma-100ohm; Ib-1ua at 5V; Ef-.62±5 per cent, Silicon
4644a#	SX10	11			I-Io(e20v-1) over about 5 decades of Current; 100ma at 1.5V max; 300 mW.
4645#	SX640	11	C6		Io(exp 20V-1) over 5 decades of current; 100ma If/1.5Vmax
4646	1N650	12	TO18		Gallium Arsenide; Ip/Iv-15min.; Cap.-40uuf at Ip-10ma.
4647	1N651	12	TO18		Gallium Arsenide; Ip/Iv-10min.; Cap.-40uuf at Ip-10ma.
4648	1N652	12	TO18		Gallium Arsenide; Ip/Iv-5.0min.; Cap.-40uuf at Ip-5.0ma.
4649	1N653	12	TO18		Gallium Arsenide; Ip/Iv-5.0min.; Cap.-60uuf at Ip-5.0ma.
4650	1N2928	12	TO18		Si; Ip-.47ma ± 10 pct; Vp-.065; Ip/Iv-3.5 min.
4651	1N2928A	12	TO18		Si; Ip-.47ma ± 2 pct; Vp-.065; Ip/Iv-3.5 min.
4652	1N2929	12	TO18		Si; Ip-1.0ma ± 10 pct; Vp-.065; Ip/Iv-3.5 min.
4653	1N2929A	12	TO18		Si; Ip-1.0ma ± 2 pct; Vp-.065; Ip/Iv-3.5 min.
4654	1N2930	12	TO18		Si; Ip-4.7ma ± 10 pct; Vp-.065; Ip/Iv-3.5 min.
4655	1N2930A	12	TO18		Si; Ip-4.7ma ± 2 pct; Vp-.065; Ip/Iv-3.5 min.
4656	1N2931	12	TO18		Si; Ip-10ma ± 10 pct; Vp-.065; Ip/Iv-3.5 min.
4657	1N2931A	12	TO18		Si; Ip-10ma ± 2 pct; Vp-.065; Ip/Iv-3.5 min.
4658	1N2932	12	TO18		Si; Ip-22ma ± 10 pct; Vp-.065; Ip/Iv-3.5 min.
4659	1N2932A	12	TO18		Si; Ip-22ma ± 2 pct; Vp-.065; Ip/Iv-3.5 min.
4660	1N2933	12	TO18		Si; Ip-47ma ± 10 pct; Vp-.065; Ip/Iv-3.5 min.
4661	1N2933A	12	TO18		Si; Ip-47ma ± 2 pct; Vp-.065; Ip/Iv-3.5 min.
4662	1N2934	12	TO18		Si; Ip-100ma ± 10 pct; Vp-.065; Ip/Iv-3.5 min.
4663	1N2934A	12	TO18		Si; Ip-100ma ± 2 pct; Vp-.065; Ip/Iv-3.5 min.
4664*	1N2939	12	TO18		Ge; Ip-1.0ma±10pct. at 70mv; Iv-.10ma at 350mv; Ip/Iv-10
4664a∅	1N2939A	12	TO18		Ge; Ip-1.0ma±2.5pct. at 70mv; Iv-.10ma at 350mv; Ip/Iv-10
4665*	1N2940	12	TO18		Ge; Ip-1.0ma±10pct. at 70mv; Iv-.22ma at 350mv; Ip/Iv-8
4665a∅	1N2940A	12	TO18		Ge; Ip-1.0ma±2.5pct. at 70mv; Iv-.22ma at 350mv; Ip/Iv-8
4666*	1N2941	12	TO18		Ge; Ip-4.7ma±10pct. at 70mv; Iv-.60ma at 350mv; Ip/Iv-8
4666a∅	1N2941A	12	TO18		Ge; Ip-4.7ma±2.5pct. at 70mv; Iv-.60ma at 350mv; Ip/Iv-8
4667*	1N2969	12	TO18		Ge; Ip-2.2ma±10pct. at 55mv; Iv-.285ma at 350mv; Ip/Iv-8
4667a∅	1N2969A	12	TO18		Ge; Ip-2.2ma±2.5pct. at 55mv; Iv-.285ma at 350mv; Ip/Iv-8
4668	1N3114	12	TO18		GaAs; Ip-2.2ma; Ip/Iv-10 min.
4669	1N3114A	12	TO18		GaAs; Ip-2.2ma ± 2 pct; Ip/Iv-10 min.
4670	1N3115	12	TO18		GaAs; Ip-2.2ma; Ip/Iv-10 min.
4671	1N3115A	12	TO18		GaAs; Ip-2.2ma ± 2 pct; Ip/Iv-10 min.
4672	1N3116	12	TO18		GaAs; Ip-4.7ma; Ip/Iv-10 min.
4673	1N3116A	12	TO18		GaAs; Ip-4.7ma ± 2 pct; Ip/Iv-10 min.
4674	1N3117	12	TO18		GaAs; Ip-4.7ma; Ip/Iv-10 min.
4675	1N3117A	12	TO18		GaAs; Ip-4.7ma ± 2 pct; Ip/Iv-10 min.
4676	1N3118	12	TO18		GaAs; Ip-10ma; Vp-160mv; Vv-600mv; Ip/Iv-15
4677	1N3118A	12	TO18		GaAs; Ip-10ma ± 2 pct; Vp-160mv; Vv-600mv; Ip/Iv-15
4678	1N3119	12	TO18		GaAs; Ip-10ma; Vp-160mv; Vv-600mv; Ip/Iv-15
4679	1N3119A	12	TO18		GaAs; Ip-10ma ± 2 pct; Vp-160mv; Vv-600mv; Ip/Iv-15
4680	1N3120	12	TO18		GaAs; Ip-2.2ma; Vp-160mv; Vv-600mv; Ip/Iv-15
4681	1N3120A	12	TO18		GaAs; Ip-2.2ma ± 2 pct; Vp-160mv; Vv-600mv; Ip/Iv-15
4682	1N3128	12			Germanium; Ip - 5.0ma; Ip/Iv - 8 min.
4683	1N3129	12			Germanium; Ip - 20ma; Ip/Iv - 8 min.
4684	1N3130	12			Germanium; Ip - 50ma; Ip/Iv - 8 min.
4685	1N3138	12			Gallium-Arsenide; Ip - 50ma; Ip/Iv - 20 min.
4685a∅	1N3149	12	TO18		Ge; Ip-10ma±10pct. at 70mv; Iv-1.3ma at 350mv; Ip/Iv-8
4685b∅	1N3149A	12	TO18		Ge; Ip-10ma±2.5pct. at 70mv; Iv-1.3ma at 350mv; Ip/Iv-8
4685c∅	1N3150	12	TO18		Ge; Ip-22ma±10pct. at 70mv; Iv-2.85ma at 350mv; Ip/Iv-8
4685d∅	1N3218	12			Ge; Ip-1.0ma±10pct. at 60mv; Iv-.13ma at 350mv; Cap-7pf.
4685e∅	1N3218A	12			Ge; Ip-1.0ma±10pct. at 60mv; Iv-.13ma at 350mv; Cap-4pf.
4685f∅	1N3219	12			Ge; Ip-2.2ma±10pct. at 60mv; Iv-.28ma at 350mv; Cap-14pf.
4685g∅	1N3219A	12			Ge; Ip-2.2ma±10pct. at 60mv; Iv-.28ma at 350mv; Cap-7pf.

## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4686	1T1023	12			Ge; Ip-2ma±10pct; Iv-.44ma max; Ip/Iv-5.0 min.
4686aØ#	1T1101	12	M27		Ge; Ip-2.0ma; Vp-70mv; Ip/Iv-8; Pc-25mw.
4686bØ#	1T1102	12	M27		Ge; Ip-2.0ma; Vp-70mv; Ip/Iv-5.5; Pc-25mw.
4686cØ#	1T1103	12	M27		Ge; Ip-2.0ma; Vp-70mv; Ip/Iv-7; Pc-25mw.
4687	D4115	12	F10		Ipk-1.8ma; Rser-1 ohm/150ma; Cap-8uuf/350mv; Fosc-2.KMc min. Ge; Ip/Iv-5min; Vpk-55mv; Vvalley-350mv; Lser-.40muH.
4688	D4115A	12	F10		Ipk-1.7ma; Rser-2 ohm/150ma; Cap-6uuf/350mv; Fosc-3.KMc min. Ge; Ip/Iv-5min; Vpk-55mv; Vvalley-350mv; Lser-.40muH.
4689	D4115B	12	F10		Ipk-1.6ma; Rser-3 ohm/150ma; Cap-4uuf/350mv; Fosc-4.KMc min. Ge; Ip/Iv-5min; Vpk-55mv; Vvalley-350mv; Lser-.40muH.
4689aØ	D4168C	12			Ge; Ip/Iv-5min; Vpk-55mv; Vvalley-350mv; Lser-.40muH.
4689bØ	D4168D	12			Ge; Ip-3.5ma; Vp-150mv; Ip/Iv-5min.; fosc-8KMc.
4689cØ	HF1000	12	TO18		Ge; Ip-3.5ma; Vp-150mv; Ip/Iv-5min.; fosc-10KMc.
4689dØ	HF1001	12	TO18		Ip-1-2ma at 49mv; Ip/Iv-5.0min; Cd-15pf; Freq. 500Mc.
4689eØ	HF1002	12	TO18		Ip-1-2ma at 49mv; Ip/Iv-7.0min; Cd-15pf; Freq. 500Mc.
4689fØ	HF1003	12	TO18		Ip-1.0±.05ma at 49mv; Ip/Iv-8.5min; Cd-10pf; Freq. 500Mc.
4689gØ	HF1004	12	TO18		Ip-5.0±.25ma at 49mv; Ip/Iv-8.5min; Cd-50pf; Freq. 500Mc.
4690	HT1	12	TO18		Ip-10±.50ma at 49mv; Ip/Iv-8.5min; Cd-100pf; Freq. 500Mc.
4691	HT2	12	TO18		Si.; Ip/Iv-3.5 min; Ip-1ma at 65V.
4692	HT3	12	TO18		Si.; Ip/Iv-3.5 min; Ip-1.2ma at 65V.
4693	HT4	12	TO18		Si.; Ip/Iv-3.5 min; Ip-1.5ma at 65V.
4694	HT5	12	TO18		Si.; Ip/Iv-3.5 min; Ip-1.8ma at 65V.
4695	HT6	12	TO18		Si.; Ip/Iv-3.5 min; Ip-2.2ma at 65V.
4696	HT7	12	TO18		Si.; Ip/Iv-3.5 min; Ip-2.7ma at 65V.
4697	HT8	12	TO18		Si.; Ip/Iv-3.5 min; Ip-3.3ma at 65V.
4698	HT9	12	TO18		Si.; Ip/Iv-3.5 min; Ip-3.9ma at 65V.
4699	HT10	12	TO18		Si.; Ip/Iv-3.5 min; Ip-4.7ma at 65V.
4700Ø#	JK9A	12			Si.; Ip/Iv-3.5 min; Ip-5.6ma at 65V.
4700aØ#	JK10A	12			Ge; Ip-.90ma min; Ip/Iv-2min; Vp-45mv; Vv-170mv.
4700bØ#	JK11A	12			Ge; Ip-4.5ma min; Ip/Iv-2min; Vp-50mv; Vv-50mv.
4701Ø#	JK19A	12			Ge; Ip-13.5ma min; Ip/Iv-2min; Vp-55mv; Vv-270mv.
4701aØ#	JK20A	12			Ge; Ip-.90ma min; Ip/Iv-5min; Vp-55mv; Vv-290mv.
4702Ø#	JK21A	12			Ge; Ip-4.5ma min; Ip/Iv-5min; Vp-55mv; Vv-300mv.
4703	T101	12			Ge; Ip-13.5ma min; Ip/Iv-5min; Vp-55mv; Vv-310mv.
4704	T102	12			Peak I-.80ma; Peak V-55mv; Valley-300mv; IP/IV-4.5 min.
4705	T103	12			Peak I-1.5ma; Peak V-55mv; Valley-300mv; IP/IV-4.5 min.
4706	T104	12			Peak I-3.5ma; Peak V-55mv; Valley-300mv; IP/IV-4.5 min.
4707	T105	12			Peak I-7.0ma; Peak V-55mv; Valley-300mv; IP/IV-4.5 min.
4708*	T1925	12	C16		Peak I - 15ma; Ip/Iv - 5 min.
4708aØ	T1975	12	C16		Ge; Ip-1.0ma±2.5pct; C-9pf; Ip/Iv-5min; Self res. f-1.9KMc.
4708bØ	T1976	12	C16		Ge; Ip-1.0ma±2.5pct; C-11pf; Ip/Iv-8min; Self res. f-1.9KMc.
4709	TD1	12	TO9		Ge; Ip-5.0ma±2.5pct; C-45pf; Ip/Iv-6min; Self res. f-800KMc.
4710	TD2	12			Ge.; Ip/IV - 3 min; Ip-2ma at 50 mV.
4711	TD3	12			Germanium; Ip/Iv-5 min; Ip-2ma at 50mv.
4712	TD4	12			Germanium; Ip/Iv-7 min; Ip-2ma at 50mv.
4712aØ	TD5	12			Ge; Ip/Iv-5 min; Ip-18ma to 22ma at 50mv, Tr-6nsec max.
4712bØ	TD5A	12			Ip/Iv-8; Ip-20ma; Switch speed .8n sec.
4712cØ	TD6	12			Ip/Iv-12; Ip-20ma; Switch speed .8n sec.
4712dØ	TD6A	12			Ip/Iv-8; Ip-10ma; Switch speed .8n sec.
4712eØ	TD7	12			Ip/Iv-12; Ip-10ma; Switch speed .8n sec.
4712fØ	TD7A	12			Ip/Iv-8; Ip-5.0ma; Switch speed .8n sec.
4712gØ	TD8	12			Ip/Iv-12; Ip-5.0ma; Switch speed .8n sec.
4712hØ	TD8A	12			Ip/Iv-8; Ip-1.0ma; Switch speed 3.0n sec.
4712iØ	TD12	12	TO18		Ip/Iv-12; Ip-1.0ma; Switch speed 3.0n sec.
4712jØ	TD15	12	TO18		Ge; Ip-1.02ma max.; Vp-55mv; Vv-325mv; Ip/Iv-8.0
4712kØ	TD22	12	TO18		Ge; Ip-1.05ma max.; Vp-55mv; Vv-325mv; Ip/Iv-8.0
4712mØ	TD25	12	TO18		Ge; Ip-2.0ma; Ip/Iv-9.0; Vf-465mv.
4712nØ	TD52	12	TO18		Ge; Ip-2.0ma; Ip/Iv-9.0; Vf-465mv.
4712pØ	TD55	12	TO18		Ge; Ip-5.1ma max.; Vp-55mv; Vv-325mv; Ip/Iv-8.0
4713	TD100	12			Ge; Ip-5.25ma max.; Vp-55mv; Vv-325mv; Ip/Iv-8.0
4714	TD101	12			Developmental: V. Range neg. slope-65-280mV; Peak I-1.5-7.6ma
4715	TD102	12			Developmental: V. Range neg. slope-65-280mV; Peak I-2.9-5.2ma
4715aØ	TD102	12	TO18		Ge; Ip-10ma; Ip/Iv-9.0; Vf-485mv.

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SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4716	TD103	12			Developmental:V.Range neg.slope-65-280mV;Peak I-4.2-7.6ma
4717	TD104	12			Developmental:V.Range neg.slope-65-280mV;Peak I-1.5-2.1ma
4718	TD105	12			Developmental:V.Range neg.slope-65-280mV;Peak I-1.9-2.5ma
4718aØ	TD105	12	TO18		Ge; Ip-10ma; Ip/Iv-9.0; Vf-485mv.
4719	TD106	12			Developmental:V.Range neg.slope-65-280mV;Peak I-2.3-3.1ma
4720	TD107	12			Developmental:V.Range neg.slope-65-280mV;Peak I-2.9-3.7ma
4721	TD108	12			Developmental:V.Range neg.slope-65-280mV;Peak I-3.5-4.4ma
4722	TD109	12			Developmental:V.Range neg.slope-65-280mV;Peak I-4.2-5.2ma
4723	TD110	12			Developmental:V.Range neg.slope-65-280mV;Peak I-5.0-6.3ma
4723aØ	TD110	12	TO18		Ge; Ip-1.1ma max.;Vp-55mv;Vv-325mv;Ip/Iv-10
4724	TD111	12			Developmental:V.Range neg.slope-65-280mV;Peak I-6.1-7.6ma
4724aØ	TD202	12	TO18		Ge; Ip-20ma; Ip/Iv-9.0; Vf-510mv.
4724bØ	TD205	12	TO18		Ge; Ip-20ma; Ip/Iv-9.0; Vf-510mv.
4724cØ	TD210	12	TO18		Ge; Ip-2.0ma; Ip/Iv-11; Vf-465mv.
4724dØ	TD502	12	TO18		Ge; Ip-50ma; Ip/Iv-9.0; Vf-550mv.
4724eØ	TD505	12	TO18		Ge; Ip-50ma; Ip/Iv-9.0; Vf-550mv.
4724fØ	TD510	12	TO18		Ge; Ip-5.5ma max.;Vp-55mv;Vv-325mv;Ip/Iv-10
4724gØ	TD1010	12	TO18		Ge; Ip-10ma; Ip/Iv-11; Vf-485mv.
4724hØ	TD2010	12	TO18		Ge; Ip-20ma; Ip/Iv-11; Vf-510mv.
4724jØ	TD5010	12	TO18		Ge; Ip-50ma; Ip/Iv-11; Vf-550mv.
4724kØ#	THP917	12			GaAs; Ip-5ma at 140mv; Iv-.5ma at 600mv.
4724mØ#	THP921	12			Ge; Ip-1ma at 55mv; Iv-.125ma at 325mv.
4725	WX822A	12			Ip-2.0±5 pct; Iv-.32ma; Ip/Iv-8.0
4726	WX822B	12			Ip-5.0±3 pct; Iv-.8ma; Ip/Iv-8.0
4726aØ	XA650	12			GaAs; Ip-10ma±10pct.;Ip/Iv-15.
4726bØ	XA651	12			GaAs; Ip-10ma±3pct.;Ip/Iv-10.
4726cØ	XA652	12			GaAs; Ip-5ma±10pct.;Ip/Iv-5.
4726dØ	XA653	12			GaAs; Ip-5ma±10pct.;Ip/Iv-5.
4726eØ#	YS10	12	TO18		Ge.; Ip/Iv-5.0min; Ip-7.0ma at 50mV.; Valley-300mv.
4727	HU5	13	TO18		Si;IF-.50ma min at .25V; IR-5.0ua max at 0-.50V.
4728	HU5A	13	TO18		Si;IF-.50ma min at .25V; IR-5.0ua max at 0-.50V;Cmax-10pf
4729	HU10	13	TO18		Si;IF-1.0ma min at .25V; IR-10ua max at 0-.50V.
4730	HU10A	13	TO18		Si;IF-1.0ma min at .25V; IR-10ua max at 0-.50V;Cmax-20pf
4731	HU25	13	TO18		Si;IF-2.5ma min at .25V; IR-25ua max at 0-.50V.
4732	HU25A	13	TO18		Si;IF-2.5ma min at .25V; IR-25ua max at 0-.50V;Cmax-50pf
4733	HU50	13	TO18		Si;IF-5.0ma min at .25V; IR-50ua max at 0-.50V.
4734	HU50A	13	TO18		Si;IF-5.0ma min at .25V; IR-50ua max at 0-.50V;Cmax-100pf
4735	HU75	13	TO18		Si;IF-7.5ma min at .25V; IR-75ua max at 0-.50V.
4736	HU75A	13	TO18		Si;IF-7.5ma min at .25V; IR-75ua max at 0-.50V;Cmax-150pf
4737	HU100	13	TO18		Si;IF-10ma min at .25V; IR-100ua max at 0-.50V.
4738	HU100A	13	TO18		Si;IF-10ma min at .25V; IR-100ua max at 0-.50V;Cmax-200pf
4738aØ#	JK100A	13			Ge; If-5.0ma min.; Ir-10ua typ; 200mv.
4738bØ	CK1101	14	M23		4 term. photo-sens. switch. device;Switch on time-.80msec.
4738cØ	CK1102	14	M23		4 term. photo-sens. switch. device;Switch on time-40msec.
4738dØ	CK1103	14	M23		4 term. photo-sens. switch. device;Switch on time-22msec.
4738eØ	CK1104	14	M23		4 term. photo-sens. switch. device;Switch on time-55msec.
4738fØ	2N1966	15			Ge; Turn-on I-.5ma; Sustaining I-20ma max.
4738gØ	2N1967	15			Ge; Turn-on I-.5ma; Sustaining I-20-80ma.
4738hØ	2N1968	15			Ge; Turn-on I-.3ma; Sustaining I-5ma max.
4739	1N79	M			Meter Rectifier up to 3000 Mc.
4740	1N830	M	A1		Micro-min diode Rect. Efficiency at 100Mc-65 percent min.
4741	1N2326	M			For temperature and voltage compensation applications, For use with 2N217, 2N270, 2N408 or similar types.
4741aØ	1N3192	M			Blow-Out Diode; 5.8A (Pulse).
4742#	1S35	M			Matched Quad Germanium.
4743#	1S57	M			Si; Protected I-10ma min at .80V.; IR-.50ua max.
4744#	1S58	M			Matched Quad Germanium.
4745	1T51	M			Thermal Compensation Diode;Thermal Coeff.-.002V/deg.C at 1.2ma;PIV-25V;Fwd. Eb-0.11V at 1.2ma; Avg. If-100ma
4746	1T52	M			Thermal Compensation Diode;Thermal Coeff.-.202V/deg.C at 1.2ma;PIV-25V;Fwd. Eb-0.13V at 1.2ma;Avg. If-25ma
4747	6GC1	M			Se. Double Diode for discriminator or phase detector; If-1.1ma min. at 2.5V; Ir-4ua at 20V.



## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	STATUS	DESCRIPTION
4748	6GD1	M			Se. Double Diode for discriminator or phase detector; If-1.1ma min. at 2.5V; Ir-4ua at 20V.
4749	6GX1	M			Se. Double Diode for discriminator or phase detector; If-1.1ma min. at 2.5V; Ir-4ua at 20V.
4750	9LR2-9	M			Se. Dual Diode for phase detector, series type; If - 1ma min at 2V; Ir - 10ua max at 20V.
4751	9LR2-24	M			Se. Dual Diode for phase detector, common cathode type; If - 1ma min at 2.5V; Ir - 10ua at 20V.
4752	AS2X1E	M			A.C. and D.C. Contact Protection; A.C. Coil V-26V.max; Coil I-100ma max.; D.C. Coil V.-22V. max.
4753	AS3X2E	M			D.C. Contact Protection; Coil V-44V.max; Coil I-200ma max.
4754	AS4X2E	M			A.C. Contact Protection; Coil V-52V.max; Coil I-200ma max.
4755	AS5X3E	M			D.C. Contact Protection; Coil V-66V.max; Coil I-250ma max.
4756	AS6S3E	M			A.C. Contact Protection; Coil V-78V.max; Coil I-200ma max.
4757	AS6X4E	M			D.C. Contact Protection; Coil V-88V.max; Coil I-250ma max.
4758	AS7X5E	M			D.C. Contact Protection; Coil V-110V.max; Coil I-250ma max.
4759	AS8X4E	M			A.C. Contact Protection; Coil V-104V.max; Coil I-200ma max.
4760	AS8X6E	M			D.C. Contact Protection; Coil V-132V.max; Coil I-250ma max.
4761	B203	M			Damper Diode; PIV-120V; DC current-10A max. Rise Time-2.0usec at 5A. DC
4762	B204	M			Damper Diode; PIV-120V; DC current-25A max. Rise Time-2.0usec at 20A. DC
4762a∅	BD1	M	TO18		Ge; Backward Diode-Ir-1ma at 480mv; If-1ma at 100mv max.
4762b∅	BD1A	M	TO18		Ge; Backward Diode-If-1ma at 125mv max.
4762c∅	BD1B	M	TO18		Ge; Backward Diode-If-1ma at 100mv max.
4762d∅	BD5	M	TO18		Ge; Backward Diode-Ir-1ma at 480mv; If-5ma at 100mv max.
4763	CK709	M			Matched Quad - Germanium
4764	CK711	M			Matched Quad - Germanium
4765	CK717	M			Matched Quad - Germanium
4766	CK719	M			Matched Quad - Germanium
4767#	DS1D	M			Switch. V.-100V.; off Current-.05ua max; Sustaining I-200ua.
4768∅	FA2000	M			Pair Matched to within 10mv at IF-500ua; IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4768a∅	FA2001	M			Pair Matched to within 15mv at IF-2ma; IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4768b∅	FA2002	M			Pair Matched to within 20mv at IF-5ma; IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4768c∅	FA2003	M			Pair Matched to within 10mv at IF-500ua; IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4768d∅	FA2004	M			Pair Matched to within 15mv at IF-2ma; IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4768e∅	FA2005	M			Pair Matched to within 20mv at IF-5ma; IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4768f∅	FA2006	M			Pair Matched to within 30mv at IF-10ma; IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4768g∅	FA2007	M			Pair Matched to within 50mv at IF-25ma; IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4769∅	FA2008	M			Pair Matched to within 10mv at IF-10ua; IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4769a∅	FA2009	M			Pair Matched to within 10mv at IF-150ua; IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4769b∅	FA2010	M			Pair Matched to within 10mv at IF-10ua; IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4769c∅	FA2011	M			Pair Matched to within 10mv at IF-150ua; IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4769d∅	FA4000	M			Quad Matched to within 10mv at IF-500ua; IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4769e∅	FA4001	M			Quad Matched to within 15mv at IF-2ma; IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4769f∅	FA4002	M			Quad Matched to within 20mv at IF-5ma; IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4769g∅	FA4003	M			Quad Matched to within 10mv at IF-500ua; IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.

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## 8. MISCELLANEOUS DIODES

LISTED IN ORDER OF USE, and TYPE No.



LINE No.	TYPE No.	USE	DWG. No.	S T A T U S	DESCRIPTION
4770Ø	FA4004	M			Quad Matched to within 15mv at IF-2ma;IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4770aØ	FA4005	M			Quad Matched to within 20mv at IF-5ma;IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4770bØ	FA4006	M			Quad Matched to within 30mv at IF-10ma;IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4770cØ	FA4007	M			Quad Matched to within 50mv at IF-25ma;IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4770dØ	FA4008	M			Quad Matched to within 10mv at IF-10ua;IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4770eØ	FA4009	M			Quad Matched to within 10mv at IF-150ua;IF-10ma at 1V; IR-.10ua at 20V; PIV-30V.
4770fØ	FA4010	M			Quad Matched to within 10mv at IF-10ua;IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4770gØ	FA4011	M			Quad Matched to within 10mv at IF-150ua;IF-50ma at 1V; IR-.10ua at 50V; PIV-75V.
4771#	G64	M			PIV-50V; If-2ma at 1V.
4772#	G65	M			PIV-70V; If-3ma at 1V.
4773#	G66	M			PIV-110V; If-2ma at 1V.
4774#	G603	M			PIV-35V.
4774aØ#	GD14	M	A58		Ge; Ir-33ua at 4.0V; A.F.C.
4775	HP310	M			Halltron
4776	HP315	M			Halltron
4777	HR31	M			Hall Effect Component, Indium Arsenide
4778	HS51	M			Hall Effect component, Indium Antimonide
4779	MC1	M			Hall Unit-with magnetic core,coils,and Hall Effect Comp.
4780	MC11	M			Magnetic Circuit
4781	MC21	M			Magnetic Circuit
4782	ME1	M			Full Wave Bridge Comparator - Silicon
4783	MS41	M			Magneto resistance effect component,Indium Antimonide
4784	MX7	M			Electronic Switch - Silicon
4785	PC5	M			Power Transducer
4785a	PC500	M			Power Transducer
4785bØ	QK748	M			Infrared Detector.
4785cØ	QKN884	M			Infrared Detector.
4786#	RL232	M			TV Ratio detector, matched pair.
4787#	RL232B	M			FM ratio detector, matched pair.
4787aØ	SD1	M			Si; White Noise Diode-2-20000cps; 100-400uv.
4787bØ	SD256	M			Si;Stabistor; Vf-.56±10pct/1ma;Ir-.10ua/2V;400mw Diss.
4787cØ	SD257	M			Si;Stabistor; Vf-.64±10pct/1ma;Ir-.10ua/2V;250mw Diss.
4788	SERI	M			Solion double diode electrical readout integrator;max. voltage-0.9v.,max. readout current 1ma;max. input 100ua.
4789#	SFD111	M	A21		FM Discriminator and ratio detector,matched pair of SFD104
4789aØ#	SFD115	M	A21		FM discriminator and ratio detector, matched pr. of SFD110
4790	STC135	M	A21		Si;Stabistor;VF-64V±10pct/1ma If/25deg.C;IR-.1ua max at2V.
4791	STC235	M	A21		Si;Stabistor;VF-.70-.74V/10ma If/25deg.C;IR-.1ua max at6V.
4792#	SX761	M	C6		Surge Suppression 30-45 V. at 1.0ma, 60-80 V. at 1.0A.
4793	TA11	M			Thermoelectric device-Alloy of Bismuth Telluride Comp.
4794Ø	TA20	M			Thermoelectric device-Alloy of Bismuth Telluride Comp.

SEE FOLD-OUT BACK COVER  
for  
EXPLANATION of SYMBOLS.

## 9. TYPE No. CROSS INDEX



TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1/4M2.4AZ	MOTA	2961a	3/4M22Z	MOTA	3622f	3/4Z52D	DIC	3848c	1G85	SGSI	106d
1/4M2.7AZ	MOTA	2965a	3/4M24Z	MOTA	3647	3/4Z56D	DIC	3866b	1G95	SGSI	106f
1/4M3.0AZ	MOTA	2967a	3/4M25Z	MOTA	3685e	3/4Z62D	DIC	3880h	1GH	RRC	108a
1/4M3.3AZ	MOTA	2969a	3/4M27Z	MOTA	3706k	3/4Z68D	DIC	3897g	1H2-2361	COL	2910
1/4M3.6AZ	MOTA	2970a	3/4M30Z	MOTA	3737b	3/4Z75D	DIC	3909m	1H3-2361	COL	2916a
1/4M3.9AZ	MOTA	2978a	3/4M33Z	MOTA	3762b	3/4Z82D	DIC	3930p	1H4-2361	COL	2917p
1/4M4.3AZ	MOTA	2984d	3/4M36Z	MOTA	3774j	3/4Z91D	DIC	3944e	1M4	PLEB	432b
1/4M4.7AZ	MOTA	3012a	3/4M39Z	MOTA	3795h	3/4Z100D	DIC	3962s	1M14Z	MOTA	3449k
1/4M5.1AZ	MOTA	3017d	3/4M43Z	MOTA	3809c	3/4Z105D	DIC	3972f	1M17Z	MOTA	3528e
1/4M5.6AZ	MOTA	3059	3/4M45Z	MOTA	3825n	3/4Z110D	DIC	3976c	1M19Z	MOTA	3561b
1/4M6.2AZ	MOTA	3080b	3/4M47Z	MOTA	3832a	3/4Z120D	DIC	3994c	1M25Z	MOTA	3685g
1/4M6.8AZ	MOTA	3128a	3/4M50Z	MOTA	3842n	3/4Z130D	DIC	4001r	1M45Z	MOTA	3825c
1/4M8.8Z	MOTA	3128b	3/4M52Z	MOTA	3848b	3/4Z140D	DIC	4013c	1M50Z	MOTA	3842c
1/4M7.5Z	MOTA	3161a	3/4M56Z	MOTA	3866a	3/4Z150D	DIC	4018c	1M52Z	MOTA	3845d
1/4M8.2Z	MOTA	3211f	3/4M62Z	MOTA	3880g	3/4Z175D	DIC	4033d	1M105Z	MOTA	3972g
1/4M9.1Z	MOTA	3237	3/4M68Z	MOTA	3897f	3/4Z200D	DIC	4039d	1M140Z	MOTA	4013d
1/4M10Z	MOTA	3297	3/4M75Z	MOTA	3909k	1C9.1Z	ESP	3305c	1M175Z	MOTA	4033e
1/4M11Z	MOTA	3326k	3/4M82Z	MOTA	3930n	1C10Z	ESP	3337b	1N21	NECJ	4352d
1/4M12Z	MOTA	3399a	3/4M91Z	MOTA	3944a	1C11Z	ESP	3403b	1N21A	NECJ	4353
1/4M13Z	MOTA	3408c	3/4M100Z	MOTA	3962r	1C12Z	ESP	3416j	1N21B	ASYL	4355
1/4M14Z	MOTA	3449g	3/4M105Z	MOTA	3972e	1C13Z	ESP	3464b		BOM	
1/4M15Z	MOTA	3475a	3/4M110Z	MOTA	39785	1C15Z	ESP	3512a		FTHF	
1/4M16Z	MOTA	3487c	3/4M120Z	MOTA	3994p	1C16Z	ESP	3543c		KEM	
1/4M17Z	MOTA	35285	3/4M130Z	MOTA	4001c	1C18Z	ESP	3589a		MIC	
1/4M18Z	MOTA	3549	3/4M140Z	MOTA	4013b	1C20Z	ESP	3628g		NECJ	
1/4M19Z	MOTA	3560e	3/4M150Z	MOTA	4018p	1C22Z	ESP	3650g	1N21C	ASYL	4356
1/4M20Z	MOTA	3585a	3/4M175Z	MOTA	4033c	1C24Z	ESP	37005		BOM	
1/4M22Z	MOTA	3622e	3/4M200Z	MOTA	4039c	1C27Z	ESP	3739d		FTHF	
1/4M24Z	MOTA	3646f	3/4T5A11.7	DIC	34488	1C30Z	ESP	3766a		KEM	
1/4M25Z	MOTA	3685d	3/4T5B11.7	DIC	3448t	1C33Z	ESP	3776k		MIC	
1/4M27Z	MOTA	3706j	3/4T5C11.7	DIC	3448u	1C36Z	ESP	3805e		NECJ	
1/4M30Z	MOTA	3737a	3/4T10A11.7	DIC	3448v	1C39Z	ESP	3817d	1N21D	ASYL	4357
1/4M33Z	MOTA	3762	3/4T10B11.7	DIC	3448w	1C43Z	ESP	3836a		BOM	
1/4M36Z	MOTA	3774h	3/4T10C11.7	DIC	3448x	1C47Z	ESP	3850d		KEM	
1/4M39Z	MOTA	3795g	3/4T20A11.7	DIC	3448y	1C51Z	ESP	3868e		MIC	
1/4M43Z	MOTA	38095	3/4T20B11.7	DIC	3448z	1C56Z	ESP	3882f	1N21E	AMIC	4358
1/4M45Z	MOTA	3825m	3/4T20C11.7	DIC	3449	1C62Z	ESP	3901a		BOM	
1/4M47Z	MOTA	3832	3/4T50A11.7	DIC	3449a	1C68Z	ESP	3911f		KEM	
1/4M50Z	MOTA	3842m	3/4T50B11.7	DIC	3449b	1C75Z	ESP	3934a		SYL	
1/4M52Z	MOTA	3848a	3/4T50C11.7	DIC	3449c	1C82Z	ESP	3945b	1N21F	MIC	4358a
1/4M56Z	MOTA	3866	3/4T100A11.7	DIC	3449d	1C91Z	ESP	3968d		KEM	
1/4M82Z	MOTA	3880f	3/4T100B11.7	DIC	3449e	1C100Z	ESP	3980	1N21G	BOM	4359
1/4M68Z	MOTA	3897e	3/4T100C11.7	DIC	3449f	1C110Z	ESP	3998a		KEM	
1/4M75Z	MOTA	3909j	3/4Z6.8D	DIC	3129	1C120Z	ESP	4003g		MIC	
1/4M82Z	MOTA	3930m	3/4Z7.5D	DIC	3161c	1C130Z	ESP	4015h		SYL	
1/4M91Z	MOTA	3943	3/4Z8.2D	DIC	3211h	1C150Z	ESP	4026e	1N22	NECJ	4367
1/4M100Z	MOTA	3962q	3/4Z9.1D	DIC	3237c	1C160Z	ESP	4035j	1N23	NECJ	4397a
1/4M105Z	MOTA	3972d	3/4Z10D	DIC	3297b	1C180Z	ESP	4043d	1N23A	NECJ	4371
1/4M110Z	MOTA	3976a	3/4Z11D	DIC	3326n	1C200Z	ESP	4071		SYL	
1/4M120Z	MOTA	3994n	3/4Z12D	DIC	3399c	1EZ5.6T10	INRC	3085a	1N23B	ASYL	4372
1/4M130Z	MOTA	4001p	3/4Z13D	DIC	3408e	1EZ6.8T10	INRC	3165d		BOM	
1/4M140Z	MOTA	4013a	3/4Z14D	DIC	3449j	1EZ8.2T10	INRC	3237m		FTHF	
1/4M150Z	MOTA	4018n	3/4Z15D	DIC	3475c	1EZ10T10	INRC	3337c		KEM	
1/4M175Z	MOTA	4033b	3/4Z16D	DIC	3487e	1EZ12T10	INRC	3416k		MIC	
1/4M200Z	MOTA	4039b	3/4Z17D	DIC	3528d	1EZ15T10	INRC	3512b		NECJ	
3/4M8.8Z	MOTA	3128c	3/4Z18D	DIC	3549b	1EZ18T10	INRC	3590	1N23C	ASYL	4373
3/4M7.5Z	MOTA	3161b	3/4Z19D	DIC	3581a	1EZ22T10	INRC	3650h		BOM	
3/4M8.2Z	MOTA	3211g	3/4Z20D	DIC	3585c	1EZ27T10	INRC	3739e		FTHF	
3/4M9.1Z	MOTA	3237b	3/4Z22D	DIC	3622g	1F2	FTHF	4575		KEM	
3/4M10Z	MOTA	3297a	3/4Z24D	DIC	3647a	1G8	PLEB	942a		MIC	
3/4M11Z	MOTA	3326m	3/4Z25D	DIC	3685f	1G25	SGSI	340b		NECJ	
3/4M12Z	MOTA	3399b	3/4Z27D	DIC	3706m	1G26	SGSI	406c	1N23D	ASYL	4374
3/4M13Z	MOTA	3408d	3/4Z30D	DIC	3737c	1G27	SGSI	161e		BOM	
3/4M14Z	MOTA	3449h	3/4Z33D	DIC	3762c	1G30	SGSI	253a		FTHF	
3/4M15Z	MOTA	3475b	3/4Z36D	DIC	3774k	1G31	SGSI	428g		KEM	
3/4M16Z	MOTA	3487d	3/4Z39D	DIC	3795j	1G55	SGSI	177d		MIC	
3/4M17Z	MOTA	3528c	3/4Z43D	DIC	38095	1G56	SGSI	321a	1N23E	AMIC	4375
3/4M18Z	MOTA	3549a	3/4Z45D	DIC	3825p	1G57	SGSI	33e		BOM	
3/4M19Z	MOTA	3561	3/4Z47D	DIC	3832b	1G58	SGSI	42b		KEM	
3/4M20Z	MOTA	3585b	3/4Z50D	DIC	3842p	1G65	SGSI	263a		SYL	



# 9. TYPE No. CROSS INDEX



TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN56A (cont.)	GIC HITJ KEM NECJ OHM SEM TEC		IN63 (cont.)	KEM NPC OHM SEM TEC TKAD		IN68	ΔRAYN GIC KEM NPC OHM SEM TEC	382	IN74	CBS KEM OHM SEM TEC WSI	227
IN57	NPC GIC KEM OHM SEM TKAD WESF WSI	334	IN63A	RAYN SEM	355	IN68A	ΔRUG AMP CBS CLE ERI GELC GIC KEM NPC OHM RAYN SEM SYL TEC	383	IN75	CLE CBS ERI GELC KEM NPC OHM SEM TEC	380
IN57A	KEM	334a	IN64	CBS CDLF CSF ERI FTHF GIC KEM MISI	4552	IN68A	GELC CLE FTHF GIC KEM NECJ NPC OHM ROG SEM TEC WSI	204	IN76	ΔSYL	4442
IN58	ERI GELC AMP GIC HAFO KEM NPC OHM SEM TEC	336	IN64A	KEM GIC	4553	IN69	GELC CLE FTHF GIC KEM NECJ NPC OHM ROG SEM TEC WSI	204	IN76A	KEM SYL	4443
IN58A	ΔSYL AMP CBS CLE ERI GELC GIC HUG KEM NECJ NPC OHM SEM TEC	397	IN65	CBS CDLF CLE ERI GELC KEM NPC OHM SEM SYL TEC TKAD WSI	278	IN69A	ΔSYL CBS CLE ERI GELC HUG KEM NPC OHM ROG SEM TEC WSI	205	IN77A	SYL	4579a
IN59	GAH NPC OHM WSI	559	IN66	ΔRAYN CLE ERI GIC HUG KEM NPC OHM SEM WSI	202	IN77B	SYL	4579b	IN78	ΔSYL BOM KEM MIC PHIL	4359
IN60	ΔSYL AMP CBS ERI GIC HITJ KEM NECJ NPC OHM RAYN SEM TKAD TOSJ WESF	4551	IN66A	RAYN ERI GIC KEM NPC SEM TEC WSI	203	IN78A	ΔSYL CBS ERI GELC HUG KEM NPC OHM ROG SEM TEC TKAD	384	IN78A	ΔSYL KEM MIC PHIL	4400
IN60A	KEM CBS OHM RAYN SEM	125	IN67	ΔRAYN GELC GIC KEM NPC OHM SEM TEC TKAD WSI	335	IN78A	ΔSYL CBS ERI GELC HUG KEM NPC OHM ROG SEM TEC TKAD WSI	385	IN78B	ΔSYL PHIL MIC	4401
IN61	NPC KEM OHM SEM WSI	471	IN67A	ΔHUG AMP CBS CLE ERI GAH GELC GIC NPC KEM OHM RAYN SEM SYL TEC WSI	336	IN78C	ΔPHIL SYL	4402	IN78D	ΔSYL PHIL	4402a
IN62	OHM	4523				IN78D	ΔSYL PHIL	4402a	IN79	ΔSYL KEM	4739
IN63	ΔSYL AMP CBS CDLF CLE ERI FTHF GAH GELC GIC	398				IN79	ΔSYL KEM CBS CSF ERI FTHF GELC KEM MISI NECJ NPC OHM SEM TEC TKAD WSI	119	IN81	ΔSYL CBS ERI GELC HUG KEM OHM SEM TEC TKAD WSI	120
(cont. next col.)						IN70A	ΔSYL CBS ERI GELC HUG KEM NPC OHM ROG SEM TEC	385	IN81A	ΔSYL CBS ERI GELC HUG KEM OHM SEM TEC TKAD WSI	120
						IN71	ΔSYL CBS KEM OHM SEM TEC	131	IN82	CBS KEM NPC SEM SYL	4584
						IN72	ΔGESY GAH KEM SEM	4582	IN82A	ΔSYL CBS KEM SEM	4565
						IN73	CBS KEM OHM SEM TEC, WSI	226	IN83	OHM	5823
									IN84	OHM	66a

# 9. TYPE No. CROSS INDEX



TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.					
IN85	ΔWEC	4579c	IN96	ΔHUG	228	IN99A	GIC	346	IN114	CLE	193					
IN86	NPC	282		CBS		ERI	KEM			KEM		NPC				
IN87	KEM	49	ERI	GIC	IN100	ΔHUG	347	CLE	IN115	CLE	194					
	OHM		ERI	OHM		ERI	GAH	GIC		OHM		NPC				
	SEM		NECJ	SEM		TEC	GIC	SEM		SYL		TEC	OHM	SEM		
	WSI		WSI	TEC		WSI	CBS	OHM		SEM		SYL	TEC	WSI		
IN87A	ΔAMP	50	IN96A	HUG	312	IN100A	ΔCLE	414	IN116	ΔHUG	209					
	KEM			CLE			ERI			AMP		CBS				
	OHM			ERI			GIC			CLE		ERI				
IN88	SEM	384	KEM	OHM	IN97	ΔHUG	341	HUG	IN116A	GELC	220					
	CLE		CBS	OHM		OHM	GIC	KEM								
	GIC		CLE	ERI		KEM	OHM	NPC		OHM						
	HUG		ERI	GIC		TEC	RAYN	SEM		RAYN						
IN88	AMP	329	WSI	SEM	IN97A	GIC	344	TEC	IN101	OHM	554c					
	CLE		WSI	OHM		IN102		GIC		451a						
	GIC		OHM	RAYN		IN103		OHM		33d						
	HUG		SEM	TEC				IN104				OHM	65a			
	KEM		TEC	WSI		IN105		KEM		4554						
	NPC		WSI	IN97A		GIC		IN107		CBS		13				
	OHM		KEM			OHM				CLE			GIC	KEM		
	RAYN		OHM	SEM		IN98		ΔHUG		345		TEC	IN108	CBS	177	
	SEM		CBS	CLE				CLE				CLE		GIC		
	TEC		ERI	GAH		GIC		OHM		SEM		TEC	WSI	IN109	KEM	4578
	WSI		SYL	TEC		WSI		IN111		CLE		207	ERI		IN111A	
IN89	ΔHUG	208	OHM	SEM	IN98A	CLE	413	KEM	IN112	CLE	208					
	AMP		OHM	ERI		OHM		OHM		OHM		OHM	OHM	OHM		
	CBS		SEM	GIC		HUG		KEM		TEC		WSI	TEC	WSI		
	CLE		TEC	ERI		KEM		OHM		SEM		TEC	WSI	TEC		
	ERI		WSI	GIC		OHM		SEM		TEC		WSI	TEC	WSI		
	GIC		WSI	HUG		KEM		OHM		SEM		TEC	WSI	TEC		
	KEM		WSI	KEM		OHM		SEM		TEC		WSI	TEC	WSI		
	OHM		WSI	OHM		SEM		TEC		WSI		TEC	WSI	TEC		
	RAYN		WSI	RAYN		SEM		TEC		WSI		TEC	WSI	TEC		
	SEM		WSI	SEM		TEC		WSI		TEC		WSI	TEC	WSI		
	TEC		WSI	TEC		WSI		TEC		WSI		TEC	WSI	TEC		
IN91	ΔGESY	8951	IN99	ΔHUG	342	IN113	CLE	192	IN117A	HUG	315					
	GELC			AMP			ERI			CLE		ERI				
IN92	ΔGESY	1304	CBS	CLE	IN99A	ERI	192	IN118	ΔHUG	230						
	GELC		OHM	OHM		CBS			CLE							
IN93	ΔGESY	1884	ERI	GIC	IN99A	KEM	192	IN118A	GIC	315						
	GELC		OHM	OHM		OHM			OHM							
IN95	ΔHUG	219	OHM	SEM	IN99A	OHM	192	IN118A	OHM	315						
	AMP		TEC	OHM		OHM			OHM							
	CBS		WSI	OHM		OHM			OHM							
	CLE		WSI	OHM		OHM			OHM							
	ERI		WSI	OHM		OHM			OHM							
	GIC		WSI	OHM		OHM			OHM							
	KEM		WSI	OHM		OHM			OHM							
	OHM		WSI	OHM		OHM			OHM							
	RAYN		WSI	OHM		OHM			OHM							
	SEM		WSI	OHM		OHM			OHM							
TEC	WSI	OHM	OHM	OHM												

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN119	ΔSYL AMP CLE ERI HUG NPC OHM SEM	4185	IN128 (cont.)	CLE ERI GELC GIC KEM NPC OHM RAYN SEM		IN143	ΔTEC CLE GAH HUG KEM OHM SEM	415	IN194A	SEM DES	4163k
IN120	ΔSYL AMP CLE ERI HUG NPC OHM SEM	4186	IN128A	KEM RAYN OHM SEM TEC	122	IN144	ΔTEC CLE ERI KEM OHM SEM	90	IN195	SEM DES	4165c
IN128	ΔHUG AMP CLE ERI GELC GIC KEM NPC OHM RAYN ROG SEM TEC	210	IN132	KEM GIC OHM	4566	IN145	ΔTEC CLE KEM NPC OHM SEM WSI	137	IN195B	ΔHUG AMP CBS CLE CSF ERI GAH GELC GIC KEM MISI NPC OHM RAYN ROG SEM SYL TEC WSI	337
IN128A	ΔHUG CBS ERI GELC GIC KEM NPC OHM RAYN ROG SEM TEC	211	IN133	ERI HUG KEM	2	IN147	NPC	4587	IN198A	SEM CBS ERI OHM RAYN SYL WSI	337a
IN127	ΔHUG CLE CSF ERI GELC GIC KEM MISI NPC OHM RAYN SEM TEC	386	IN134	KEM	4555	IN148	ΔMIC BOM KEM SYL	4577	IN198B	CBS ERI SYL	4238A
IN127A	ΔHUG CBS GELC GIC KEM NPC OHM RAYN SEM TEC	387	IN135	OHM	309d	IN150	ΔMIC KEM	4369	IN200	ΔHSDI ASC CCA DES NAE TEC USS WSI	8
IN128	ΔHUG AMP CBS	121	IN137A	ΔHSDI CCA DES NAE SEM TEC USS WSI	112	IN151	ΔGESY GELC	929	IN201	ΔHSDI ASC CCA DES NAE TEC USS WSI	8
(cont. next column)			IN137B	NAE	112a	IN152	ΔGESY GELC	1389	IN202	ΔHSDI ASC CCA DES NAE TEC USS WSI	11
			IN138A	ΔHSDI CCA DES NAE TEC USS WSI	27	IN153	ΔGESY GELC	1698	IN203	ΔHSDI ASC CCA DES NAE TEC USS WSI	14
			IN138B	NAE	29c	IN156	ΔSYL	4377a	IN204	ΔHSDI ASC CCA DES	17
			IN139	ΔTEC CLE HUG KEM NPC OHM SEM WSI	132	IN158	ΔGESY GELC	2014	(cont. next page)		
			IN140	ΔTEC CLE HUG KEM NPC OHM SEM WSI	257	IN160	ΔMIC KEM	4370			
			IN141	ΔTEC CLE HUG OHM SEM WSI	292	IN173A	ΔPHIL	4589			
			IN142	ΔTEC CLE HUG NPC KEM OHM SEM	403	IN175	OHM	450A			
						IN191	ΔHUG AMP CLE CBS CSF ERI GIC MISI NPC OHM RAYN SEM SYL TEC	4253			
						IN192	ΔHUG AMP CBS CLE ERI CSF GIC MISI NPC OHM RAYN SEM SYL TEC SEM DES	4210			
						IN194	SEM DES	41655			

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN204 (cont.)	NAE TEC USS WSI		IN213	ΔHSDI ASC CCA DES NAE SEM TEC USS WSI	358	IN225	ΔHSDI ASC CCA NAE USS WSI	3267	IN248A (cont.)	GESY ITT NAE RAYN SYN TEC TSC	
IN205	ΔHSDI ASC CCA DES NAE TEC USS WSI	29	IN214	ΔHSDI ASC CCA DES NAE SEM TEC	378	IN226	ΔHSDI ASC CCA NAE USS WSI	3343	IN248B	INRC BRI COL FAN TEC	770
IN206	ΔHSDI ASC CCA DES NAE TEC USS WSI	48	IN215	ΔHSDI ASC CCA DES NAE TEC	440	IN227	ΔHSDI ASC CCA NAE USS WSI	3442	IN248C	ΔRCAS GESY GIC	854a
IN207	ΔHSDI ASC CCA DES NAE TEC USS WSI	73	IN216	ΔHSDI ASC CCA DES NAE TEC	488	IN228	ΔHSDI ASC CCA NAE USS WSI	3521	IN249	ΔTEC BRI CDE COL GESY GIC ITT NAE SYN TSC	1037
IN208	ΔHSDI ASC CCA DES NAE TEC USS WSI	104	IN218	ΔHSDI ASC CCA DES NAE TEC WSI	513	IN229	ΔHSDI ASC CCA NAE USS WSI	3607	IN249A	COL BRI GIC GESY ITT NAE RAYN SYN TEC TSC	1085
IN209	ΔHSDI ASC CCA DES NAE SEM TEC USS WSI	117	IN217	ΔHSDI CCA DES ASC NAE TEC WSI	513	IN230	ΔHSDI ASC CCA NAE USS WSI	3678	IN249B	INRC BRI COL FAN GESY TEC	1088
IN210	ΔHSDI ASC CCA DES NAE SEM TEC USS WSI	159	IN218	ΔHSDI ASC CCA DES NAE TEC WSI	538	IN231	ΔHSDI ASC CCA NAE USS WSI	3754	IN249C	ΔRCAS GESY GIC	1164
IN211	ΔHSDI ASC CCA DES NAE SEM TEC USS WSI	191	IN219	ΔHSDI ASC CCA DES NAE TEC WSI	582	IN232	ΔHSDI ASC CCA NAE USS WSI	3781	IN250	ΔTEC BRI CDE COL GESY GIC ITT NAE SYN TSC	1453
IN212	ΔHSDI ASC CCA DES NAE SEM TEC USS WSI	273	IN220	ΔHSDI ASC CCA DES NAE WSI	588	IN233	ΔHSDI ASC CCA NAE USS WSI	3828	IN250A	COL BRI GIC GESY ITT NAE RAYN SYN TEC TSC	1480
			IN221	ΔHSDI ASC CCA DES NAE WSI	591	IN234	ASC	3882h	IN250B	INRC BRI COL FAN GESY TEC	1481
			IN222	ΔHSDI ASC CCA DES NAE WSI	595	IN235	ASC	3893r	IN250C	ΔRCAS GESY GIC	1578a
						IN248	ΔTEC BRI CDE COL GESY GIC ITT NAE SYN TSC	746	IN251	ΔTEC DES	4148
						IN248A	COL BRI GIC	769	(cont. next page)		
						(cont. next column)					



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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1N251 (cont.)	FSC RHE SYL PRI TII WSI		1N255	ΔTEC BRA BRI CDE COL DIC DIO ESP	2008	1N270	ΔTEC CLE ERI GAH GIC HUG KEM OHM RAYN SEM SYL	351	1N281	ΔTEC CBS CLE ERI GIC HUG KEM NPC OHM RAYN ROG SEM SYL WSI	239
1N251A	RHE	4280a		DES GELC GESY GIC HSDI HUG INRC		1N273	ΔTEC CBS CLE ERI GAH GIC HUG KEM NPC OHM RAYN SEM	91	1N283	ΔTEC CBS CLE ERI GAH GIC HUG KEM OHM RAYN SYL	43
1N252	ΔTEC DES FSC RHE SYL WSI	4128		ITT KEM MOTA NAE RAYN RDR SCN SYN SYL TII TSC TUNL USS VIC		1N276	ΔTEC CBS CLE ERI GAH GIC HUG KEM NPC OHM RAYN SEM	175	1N285	ΔGESY	4870
1N252A	RHE	42835				1N277	ΔTEC CBS CLE ERI GAH GIC HUG KEM NPC OHM RAYN SYL	423	1N286	ΔSYL	4397b
1N253	ΔTEC BRA BRI CDE COL DIC DIO ESP GELC GESY GIC HSDI HUG INRC ITT KEM MOTA NAE RAYN SCN SYL SYN TUNL TII TSC USS	850	1N256	ΔTEC BRA BRI CDE COL DIC DIO GELC ESP GESY GIC HSDI HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYN SYL TII TSC TUNL USS VIC	2488	1N278	ΔTEC CBS CLE ERI GAH GIC HUG KEM NPC OHM RAYN SEM SYL	188	1N286A	SYL	4397c
1N254	ΔTEC BRA BRI CDE COL DIC DIO ESP GELC GESY GIC HSDI HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYN SYL TII TSC TUNL USS	1302				1N279	ΔTEC CBS CLE ERI GAH GIC HUG KEM OHM	92	1N287	ΔCBS CLE GIC HUG OHM SEM WSI	133
			1N263	ΔPHIL	4378				1N288	ΔCBS CLE GIC HUG OHM SEM WSI	258
			1N265	KEM OHM WSI	338				1N289	ΔCBS CLE GAH GIC HUG OHM SEM WSI	253
			1N266	KEM OHM WSI	125a				1N290	CLE CBS ERI GIC HUG OHM SEM	404
			1N267	KEM OHM WSI	78				1N291	ΔCBS CLE ERI GIC HUG OHM SEM	418
			1N268	KEM HUG OHM SEM WSI	78				1N292	ΔCBS CLE ERI GAH GIC	240

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN292 (cont.)	HUG NPC OHM SEM WSI		IN301	ARAYN DES WSI	286	IN312 (cont.)	OHM SEM TEC WSI		IN322A	BRI BRA RDR SEM	2756a
IN294	ARAYN CBS CLE ERI GIC KEM HUG NPC OHM SEM SYL WSI	212	IN301A	ARAYN DES WSI	281	IN313	CLE GIC KEM OHM SEM TEC	411	IN323	TEC BRI DES GIC NAE SEM	656
IN294A	RAYN GIC SEM WSI	213	IN301B	RAYN DES WSI	289	IN314	SEM OHM WSI	310	IN323A	BRI BRA DES GIC RDR SEM	656a
IN295	ARAYN CBS ERI GIC KEM NPC OHM SEM SYL TKAD	4556	IN302	ARAYN DES SEM WSI	339	IN315	AGBSY TEC	894	IN324	TEC BRA BRI GIC NAE SEM	920
IN295A	RAYN	4556a	IN302A	ARAYN DES WSI	340	IN316	BRA BRI GIC NAE SEM	850	IN324A	BRI BRA GIC RDR	920a
IN297	ARAYN CLE GIC HUG KEM NPC OHM SEM SYL WSI	330	IN302B	RAYN DES WSI	341	IN316A	BRA BRI GIC RDR	850a	IN325	TEC BRA BRI GIC NAE SEM	1328
IN297A	RAYN OHM SEM WSI	331	IN303	ARAYN DES WSI	449	IN317	TEC BRA BRI GIC NAE SEM	910	IN325A	BRI BRA GIC RDR	1328a
IN298	ARAYN CBS CLE ERI GIC HUG KEM OHM SEM SYL WSI	286	IN303A	ARAYN DES WSI	451	IN317A	BRI BRA GIC RDR	910a	IN326	TEC BRA BRI GIC NAE SEM	1926
IN298A	RAYN ERI GIC OHM SEM WSI	279	IN303B	RAYN DES WSI	454	IN318	BRA BRI GIC RDR	1318	IN326A	BRI BRA GIC RDR SEM	1926a
IN299	KEM	4571	IN304	GIC OHM SEM WSI	189	IN318A	BRI BRA GIC RDR	1318a	IN327	TEC BRA BRI GIC NAE SEM	2322
IN300	ARAYN WSI	18	IN305	ARAYN KEM OHM SEM WSI	241	IN319	TEC BRA BRI GIC NAE SEM	1927	IN327A	BRI BRA GIC NAE SEM	2322a
IN300A	ARAYN WSI	20	IN306	ARAYN ERI KEM OHM SEM WSI	26	IN319A	BRI BRA GIC RDR SEM	1927a	IN328	BRI BRA RDR SEM	27377
IN300B	RAYN WSI	25	IN307	ARAYN ERI KEM OHM SEM WSI	456	IN320	TEC BRA BRI GIC NAE SEM	2312	IN328A	BRI BRA RDR SEM	27585
			IN308	CLE ERI GIC OHM TEC WSI	7	IN320A	BRI BRA GIC RDR SEM	2312a	IN330	WSI DES	956
			IN309	CLE ERI GIC NPC KEM OHM TEC SEM	93	IN321A	BRI BRA RDR	27376	IN331	WSI DES	28a
			IN310	CLE GIC KEM OHM SEM TEC	410						
			IN312	CLE GIC KEM	174						

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1N332	ΔTEC BRA BRI CDE COL GELC GESY HUG GIC INRC ITT KEM MOTA NAE RAYN RDR SCN SYN SYL TII TSC USS VIC	2043	1N335	ΔTEC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL TII TSC USS SYN VIC	1667	1N338	ΔTEC BRA BRI CDE COL GESY GIC HUG INRC ITT KEM MOTA NAE SCN SYL SYN TII TSC USS VIC	955	1N341 (cont.)	GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS VIC	
1N333	ΔTEC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYN SYL TII TSC USS VIC	2022	1N336	ΔTEC BRA BRI CDE COL DES GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS VIC	1329	1N339	ΔTEC BRA BRI CDE COL GELC GESY GIC INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS	921	1N342	ΔTEC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS VIC	2023
1N334	ΔTEC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYN SYL TII TSC USS VIC	1687	1N337	ΔTEC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS VIC	1309	1N340	ΔTEC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS	899	1N343	ΔTEC ASC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS VIC	1688
						1N341	ΔTEC ASC BRA BRI CDE COL GELC	2044	1N344	ΔTEC BRA BRI CDE COL	1688
						(cont. next column)			(cont. next page)		

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN344 (cont.)	GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS		IN347 (cont.)	INRC ITT KEM MOTA NAE RDR SCN SYL SYN TII TSC USS		IN354	ΔTEC DES NAE	578	IN363A	BRA BRI GIC RDR SEM	2298b
						IN355	SEM OHM WSI	338a			
						IN358	ΔSYL MIC	4428	IN364A	BRA BRI RDR SEM	2737g
						IN358A	ΔSYL MIC	4427			
						IN359	BRA BRI DES GIC NAE RDR SEM TEC WSI	640	IN365	BRA DES RDR	2748f
			IN348	ΔTEC ASC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS	922				IN365A	BRA BRI RDR SEM	2748g
IN345	ΔTEC ASC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS	1330				IN359A	BRA BRI DES GIC RDR WSI	640e	IN367	KEM OHM	18
									IN368	GESY KEM	1308
									IN369	ΔSYL MIC	4431
									IN369A	ΔSYL	4428
									IN379	GIC	8a
						IN360	TEC BRA BRI GIC NAE RDR SEM	895	IN380	DES WSI GIC	11a
			IN349	ΔTEC BRA BRI CDE COL GELC GESY GIC HUG INRC ITT KEM MOTA NAE RAYN RDR SCN SYL SYN TII TSC USS	900				IN381	GIC DES WSI	14a
									IN382	GIC DES WSI	17a
									IN383	GIC DES WSI	25a
						IN361	TEC BRA BRI GIC NAE RDR SEM	1305	IN384	GIC DES WSI	47
									IN385	GIC DES WSI	73a
									IN386	GIC WSI	104a
						IN361A	BRA BRI GIC RDR	1306a	IN387	GIC DES WSI	117a
									IN388	GIC DES WSI	159a
						IN362	TEC BRA BRI DES GIC NAE RDR SEM	1925	IN389	GIC DES WSI	151a
									IN390	GIC DES WSI	273a
			IN350	ΔTEC DES NAE WSI	254	IN362A	BRA BRI DES GIC RDR SEM	1925a	IN391	GIC DES WSI	356a
									IN392	GIC DES WSI	379
			IN351	ΔTEC DES NAE	443				IN393	GIC DES	441
						IN363	TEC BRA BRI GIC NAE RDR SEM	2297	IN394	GIC DES WSI	488a
			IN352	ΔTEC DES NAE WSI	505				IN411B	INRC ITT TEC	808
IN347	ΔTEC BRA BRI CDE COL GIC HUG	958	IN353	ΔTEC DES NAE WSI	542						
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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1N444 (cont.)	RDR RAYN SCN SEM TEC		1N448	ΔSYL CBS CLE OHM SEM	412	1N456A (cont.)	CLE COD DES FSC GELC GIC HUG INRC PRI RHE ROG SYL TII TEC UCI WSI		1N458 (cont.)	INRC PRI PSI RHE ROG SIL SYL SSD TEC TII UCI WSI	
1N444B	ΔGESY ATLB BRA BRI COL GELC GIC HUG INRC ITT KEM MOTA NAE PRI RAYN RCAS RDR SCN SEM SYN TEC TII	2343	1N449	CBS CLE OHM SEM	89				1N458A	ΔPSI CDC CLE COD DES FSC GELC GIC HUG INRC PRI RHE ROG SYL TEC TII UCI WSI	457
			1N450	ΔSYL CBS CLE OHM SEM TEC	420	1N457	ΔHUG AMP CDC CLE COD DES ERI FSC GELC HSDI GIC INRC PRI PSI RHE ROG SIL SYL SSD TEC TII UCI WSI	295			
			1N451	CLE OHM WSI	496				1N458M	PSI	494B
			1N452	GAH CBS CLE ERI KEM NPC OHM SEM	84				1N459	ΔHUG AMP CDC CLE COD DES ERI FSC GELC GIC HSDI INRC PRI PSI RHE ROG SIL SYL SSD TEC TII UCI WSI	530
			1N453	CBS CLE GAH KEM OHM SEM	424						
1N445	ΔGIC BRA BRI GELC GESY HUG INRC ITT KEM NAE MOTA PRI RAYN RDR SCN TEC	2486	1N454	CBS CLE GAH KEM OHM SEM WSI	179	1N457A	ΔPSI CDC CLE COD DES FSC GELC GIC HUG INRC PRI RHE ROG SYL TII TEC UCI WSI	242			
			1N455	GAH CLE KEM OHM SEM	99						
1N445B	ΔGESY BRA BRI COL GELC GIC HUG INRC ITT KEM MOTA NAE PRI RAYN RCAS RDR SCN SYN TEC TII	2510	1N456	ΔHUG AMP CDC CLE COD DES ERI FSC GELC GIC HSDI INRC PRI PSI RHE ROG SIL SSD SYL TEC TII	87	1N457M	PSI	295a			
						1N458	ΔHUG AMP CDC COD CLE DES ERI GELC GIC FSC HSDI	494			
1N446	ΔSYL	4448							1N459A	ΔPSI CDC CLE COD DES FSC GELC GIC HUG INRC PRI RHE ROG SYL TEC TII UCI WSI	508
1N447	CLE CBS GIC OHM SEM	86	1N458A	ΔPSI CDC	87						
			(cont. next column)			(cont. next column)					

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IN459M IN460	PSI ΔRAYN	530a 365	IN462 (cont.)	SIL		IN464	ΔHUG	488	IN470	ΔHSDI	3187
	DES RHE WSI			SSD SYL TEC TII UCI UNI WSI						AMP CDC CLE COD DES ERI FSC GELC GIC HSDI INRC PRI PSI RHE ROG SIL SSD SYL TEC TII UCI UNI WSI	
IN460A	ΔRAYN	373		UCI UNI WSI					IN471	ΔHSDI	2975
IN460B	RAYN	374	IN462A	ΔPSI	243					ASC CCA NAE USS	
IN461	ΔHUG	84		CDC CLE COD DES FSC GELC GIC HUG INRC PRI RHE ROG SYL TEC UCI UNI WSI				IN472	ΔHSDI	3007	
	AMP CDC CLE COD DES ERI FSC GELC GIC HSDI INRC PRI PSI RHE ROG SIL SSD SYL TEC TII UCI UNI WSI									ASC CCA NAE USS WSI	
IN461A	ΔPSI	68	IN463	ΔHUG	527	IN464A	ΔPSI	458	IN473	ΔHSDI	3044
	CDC CLE COD DES FSC GELC GIC HUG INRC RHE PRI ROG SYL TEC UCI UNI WSI			AMP CDC CLE COD DES ERI FSC GELC GIC HSDI INRC PRI PSI RHE ROG SIL SEM SSD SYL TEC TII UCI UNI WSI			CDC CLE COD DES FSC GELC GIC HUG INRC PRI RHE ROG SYL TEC UCI UNI WSI			ASC CCA NAE USS WSI	
IN462	ΔHUG	287				IN465	ΔHSDI	2982	IN474	ΔHSDI	3103
	AMP CDC CLE COD DES ERI FSC GELC GIC HSDI INRC PRI PSI RHE ROG						HUG NAE CDC USS			ASC CCA NAE USS WSI	
			IN463A	ΔPSI	507	IN466	ΔHSDI	2974	IN475	ΔHSDI	3188
				CDC CLE COD DES FSC GELC GIC HUG INRC PRI RHE ROG SYL TEC UCI UNI WSI			CCA CDC HUG NAE USS WSI			ASC CCA NAE USS WSI	
						IN467	ΔHSDI	3006	IN476	ΔAMP	380
							CCA CDC HUG NAE USS WSI			NPC OHM SEM WSI	
						IN468	ΔHSDI	3043	IN477	ΔAMP	381
							CCA CDC HUG NAE USS WSI			NPC OHM SEM WSI	
						IN469	ΔHSDI	3102	IN478	ΔAMP	388
							CCA CDC HUG NAE USS WSI			OHM OHM SEM WSI	
									IN479	WSI, SEM ΔAMP	387
										OHM SEM	
									IN480	ΔAMP	4187
										HUG OHM GIC	
									IN482	ΔTEC	114
										CDC CLE COD DES ERI FSC GELC GIC HSDI HUG INRC PRI	

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1N482 (cont)	PSI RHE SIL SYL SSD TII UCI UNI WSI		1N483A	CDC CLE COD DES FSC GELC GIC HSDI HUG INRC	303	1N484A (cont.)	GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TEC TII UCI WSI		1N485A (cont.)	PSI RHE SIL SSD SYL TEC TII UCI WSI	
1N482A	TEC CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI WSI	115	1N483B	CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI WSI	304	1N484B	CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TEC TII UCI WSI	479	1N485B	CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TEC TII UCI WSI	520
1N482B	CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI WSI	116	1N483C	RHE	304a	1N484C	RHE	479a	1N485C	RHE	520a
1N482C	RHE	116a	1N483TH	SCN	882d	1N484TH	SCN	1162f	1N485TH	SCN	1303a
1N482TH	SCN	629G	1N484	ATEC	477	1N485	ATEC	518	1N486	ATEC	543
1N483	ATEC CDC CLE COD DES ERI FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI UNI WSI	302		CDC CLE COD DES ERI FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI UNI WSI			CDC CLE COD DES ERI FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI UNI WSI			CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI UNI WSI	
1N483A	CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI UNI WSI		1N484A	CDC CLE COD DES FSC GELC	478		CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI		1N486A	CDC CLE COD DES FSC GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TEC TII UCI WSI	544
			(cont. next column)			(cont. next column)					



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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN486B	ΔTEC CDC COD DES FSC GIC HSDI HUG INRC PRI PSI RHE SYL TII UCI WSI	545	IN488 (cont.)	PRI PSI SSD SYL RHE TII UCI UNI WSI		IN530 (cont.)	COL HUG KEM ITT NAE SCN TEC TII		IN536	ΔGESY BEN BRA BRI COL DES ESP FTHF GELC GIC HSDI HUG INRC ITT KEM MAL MOTA NAE RAYN RCAS RDR SCN SEM SYL SYN TEC TII UNI WESY	678
IN486TH	SCN	1579K	IN488A	CLE COD DES GELC GIC HSDI HUG INRC PRI PSI RHE SSD SYL TEC TII UCI WSI	588	IN531	ΔGIC BRA BRI COL HUG ITT KEM NAE SCN TEC SEM TII	1323			
IN487	ΔTEC CDC CLE COD DES ERI GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TII UCI UNI WSI	587	IN488TH	SCN	2278B	IN532	ΔGIC BRA BRI COL HUG ITT KEM NAE SCN TEC TII	1681			
			IN490	ΔAMP CLE GIC OHM	4188				IN537	ΔGESY BEN BRA BRI COL ESP FTHF GELC HSDI HUG GIC INRC ITT KEM MAL MOTA NAE RAYN RCAS RDR SCN SEM SYL SYN TEC TII UNI WESY	944
			IN497	ΔCBS CLE ERI GIC OHM SEM	40	IN533	ΔGIC BRA BRI COL HUG ITT KEM RDR SCN NAE TEC TII	2037			
			IN498	ΔCBS CLE ERI GIC OHM SEM WSI	139	IN534	ΔGIC BRA BRI COL HUG ITT KEM NAE RDR SCN TEC TII	2317			
IN487A	CDC CLE COD DES GELC GIC HSDI HUG INRC PRI PSI RHE SIL SSD SYL TEC TII UCI UNI WSI	588	IN499	ΔCBS CLE ERI GIC OHM SEM WSI	178	IN535	ΔGIC BRA BRI COL HUG ITT KEM NAE RDR SCN TEC TII	2487			
IN487B	DES	588a	IN500	ΔCBS CLE ERI GIC HUG OHM SEM SYL WSI	244				IN538	ΔGESY BEN BRA BRI COL ESP FTHF GELC GIC HSDI HUG INRC ITT	1358
IN487TH	SCN	1922	IN501	CLE GIC OHM WSI	348						
IN488	ΔTEC CLE COD DES ERI GELC GIC HSDI HUG INRC	585	IN502	CLE GIC OHM	425						
			IN527	OHM	253						
			IN530	ΔGIC BRA BRI	915						
			(cont. next column)								
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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN604A (cont.)	SYN TEC TII		IN607	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	681	IN609	ΔINRC BRA BRI COL CDE GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	1194	IN610A (cont.)	KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	
IN605	ΔINRC BRA BRI COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TEC TII	2318	IN607A	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	682	IN609A	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	1195	IN611	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	1724
IN605A	ΔINRC BRA BRI COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TEC TII	2319	IN607B	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	683	IN610	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	1366	IN611A	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	1725
IN606	ΔINRC BRA BRI COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TEC TII	2488	IN608	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	653	IN610A	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	1367	IN612	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	2058
IN606A	ΔINRC BRA BRI COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TEC TII	2489	IN608A	ΔINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	654	(cont. next col.)					

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN612A	AINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	2087	IN614 (cont.)	ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS		IN625 (cont.)	SSD SYL TEC TII UCI WSI		IN628A	RHE DES	4279F
						IN625A	RHE DES	4128A	IN629	ΔHUG CDC CLE COD DES ERI FSC GIC HSDI PRI PSI RHE SIL SSD SYL TEC TII UCI WSI	4309
			IN614A	AINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	2519	IN626	ΔHUG CDC CLE COD DES ERI FSC GIC HSDI PRI PSI RHE SEM SIL SSD TEC SYL TII UCI WSI	4186	IN629A	RHE DES	4256F
IN613	AINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	2351				IN626A	RHE DES	4155F	IN630	ΔSYL BOM MIC	4429
			IN616	ΔAMP NPC OHM SEM WSI	81	IN627	ΔHUG CDC CLE COD DES ERI FSC GIC HSDI PSI RHE SEM SIL SSD SYL TEC TII UCI WSI	4286	IN630A	SYL	4429a
			IN617	ΔAMP NPC OHM SEM WSI	362				IN631	CBS GIC OHM	4264
IN613A	AINRC BRA BRI CDE COL GELC GESY GIC HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TII TSC USS	2352	IN618	ΔAMP SEM	368				IN632	ΔSYL CBS CLE ERI GIC OHM SEM	4193
			IN619	CLE DES FSC INRC RHE WSI	71a	IN627A	RHE DES	4222c	IN633	CBS CLE GIC OHM SYL	3506
			IN622	CLE DES FSC INRC RHE WSI	493a	IN628	ΔHUG CDC CLE COD DES ERI FSC GIC HSDI PRI PSI RHE SIL SSD TEC TII UCI WSI	4290	IN634	CBS CLE GIC OHM SEM SYL	421
			IN625	ΔHUG CDC CLE COD DES ERI FSC GIC HSDI PRI PSI RHE SEM SIL	4145				IN635	CLE ERI OHM WSI	497
IN614	AINRC BRA BRI CDE COL GELC GESY GIC HUG	2518							IN636	ΔCBS ERI GELC GIC HUG NPC OHM SEM SYL TRAD WSI	149
(cont. next col.)			(cont. next col.)						IN643	ΔPSI CDC CLE COD COL DES ERI FSC GIC HSDI HUG PRI RHE SIL	4297

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN643 (cont.)	SSD TEC TII UCI WSI		IN647 (cont.)	HUG PSI RAYN RHE SIL SSD TEC TIIB UNI WSI		IN658A IN658M IN659	RHE PSI ΔTII CDC CLE COD DES ERI FSC GIC HSDI HUG PRI PSI RHE SSD SYL TEC UCI WSI	4267a 4267b 4189	IN662 (cont.)	PRI RHE SIL SSD TEC TII UCI WSI	
IN643A	ΔHUG CDC COD ERI FSC GIC PRI PSI RHE SYL	4317	IN647TH IN648	SCN ΔTII CLE COD DES ERI FTHF GESY GIC HSDI HUG PRI PSI RAYN RHE SIL SSD TEC UNI WSI	2044a 597	IN659A IN660	RHE DES ΔTII CDC CLE COD DES FSC GIC HSDI HUG PRI PSI RHE SSD TEC UCI WSI	41705 4262	IN662A	ΔHUG CDC CLE COD DES ERI FSC GIC PSI RHE TEC	4268
IN643M IN645	PSI ΔTII CLE COD DES ERI GESY GIC HSDI HUG PRI PSI RAYN RHE SIL SSD TEC TIIB UNI WSI	4297a 553	IN648TH IN649	SCN ΔTII CLE COD DES ERI FTHF GESY GIC HSDI HUG PRI PSI RAYN RHE SIL SSD TEC UNI WSI	23225 598	IN660A IN661	RHE DES ΔTII CDC CLE COD DES FSC GIC HSDI HUG PRI PSI RHE SSD TEC UCI WSI	41705 4262	IN663	ΔPSI CLE CDC COD COL DES ERI FSC GIC HUG PRI RHE SIL SSD TEC TII UCI WSI	4248
IN645A	TII DES GIC WSI	553a	IN649TH IN650	SCN ΔTII CLE COD DES ERI FTHF GESY GIC HSDI HUG PRI PSI RAYN RHE SIL SSD TEC UNI WSI	2491a 4648	IN661A IN662	RHE DES ΔTII CDC CLE COD DES FSC GIC HSDI HUG PRI PSI RHE SSD TEC UCI WSI	4263c 4312	IN663A	ΔHUG CDC CLE COD FSC GIC PSI RHE	4269
IN645B IN645TH IN648	RHE SCN ΔTII CLE COD DES ERI FTHF GESY GIC HSDI HUG PSI RAYN RHE SIL SSD TEC UNI WSI	553b 1679a 577	IN650TH IN651 IN652 IN653 IN658	SCN ΔTII TII TII TII ΔGIC CDC CLE COD DES FSC HUG PRI PSI RHE SIL SSD SYL TEC TII UCI	2491a 4648 4647 4648 4649 4267	IN662A IN663	ΔPSI CDC CLE COD COL DES ERI FSC GIC HSDI HUG	4238	IN663M IN664	PSI ΔWEC WSI	4248a 3281b
IN648TH IN647	SCN ΔTII CLE COD DES ERI FTHF GESY GIC HSDI	1888a 594	(cont. next col.)			(cont. next col.)			IN665	ΔWEC WSI	3452a
									IN666	ΔWEC WSI	3533
									IN667	ΔWEC WSI	3614e
									IN668	ΔWEC WSI	3688e
									IN669	ΔWEC WSI	3758j
									IN670	ΔWEC WSI	3928
									IN671	ΔWEC WSI	3953v
									IN672	ΔWEC WSI	4035p
									IN673	ΔWEC	2644e
									IN674	ΔWEC WSI	3058c
									IN675	ΔWEC WSI	3148a

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN676	TEC CLE DES FSC GESY GIC INRC PRI PSI RAYN RHE SEM UNI	901	IN683	ATEC CLE DES GIC PRI PSI RAYN RHE SEM UNI	2024	IN691	ASSD COD DES RHE SIL TEC	4220	IN706	ΔHSDI CDC GIC HUG INRC PSI TEC TII WSI	3104
IN677	TEC CLE DES GESY GIC PRI PSI RAYN RHE SEM UNI	923	IN684	ATEC CLE DES GIC PRI PSI RAYN RHE SEM UNI	2045	IN692	ASSD COD DES RHE SIL TEC	4288	IN707	ΔHSDI CDC GIC HUG INRC PSI TEC TII WSI	3189
IN678	TEC CLE DES FSC GIC INRC PRI PSI RAYN RHE SEM UNI	1311	IN685	ATEC CLE DES GIC PRI PSI RAYN RHE SEM UNI	2300	IN695	ATEC CLE ERI GIC KEM OHM SYL	4138	IN708	ΔHSDI CDC GIC HUG INRC PSI SAR SIL TEC TII WSI	3082
IN675	TEC CLE DES GESY GIC PRI PSI RAYN RHE SEM UNI	1331	IN686	ATEC CLE DES GIC PRI PSI RAYN RHE SEM UNI	2323	IN695A	TEC	4138a	IN709	ΔHSDI CDC GIC HUG INRC PSI SAR SIL TEC TII WSI	3135
IN681	ATEC CLE DES GESY GIC PRI PSI RAYN RHE SEM UNI	1669	IN687	ATEC CLE DES GESY GIC PRI PSI RAYN RHE SEM UNI	2471	IN696	ΔWEC DES	4182h	IN710	ΔHSDI CDC GIC HUG INRC PSI TEC TII WSI	3183
IN682	ATEC CLE DES GIC PRI PSI RAYN RHE SEM UNI	1689	IN688	ATEC CLE DES GIC PRI PSI RAYN RHE SEM UNI	2452	IN697	ΔWEC DES	4279a	IN711	ΔHSDI CDC GIC HUG INRC PSI SAR SIL TEC TII WSI	3220
			IN689	ASSD COD DES RHE SIL	4181	IN698	ΔAMP OHM	4118	IN712	ΔHSDI CDC GIC HUG INRC PSI TEC TII USS WSI	3244
						IN699	ΔCBS ERI OHM	4249			
						IN701	ΔWEC INRC WSI	3388			
						IN702	ΔHSDI CDC GIC HUG INRC PSI TEC TII	2983			
						IN703	ΔHSDI CDC GIC HUG INRC PSI TEC TII WSI	2976			
						IN704	ΔHSDI CDC GIC HUG INRC PSI TEC TII WSI	3068			
						IN705	ΔHSDI CDC GIC HUG INRC PSI TEC TII WSI	3045			

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1N712 (cont.)	TEC TII USS WSI		1N718 (cont.)	SIL USS WSI		1N726	ΔHSDI CDC ESP GIC HUG SAR USS WSI	3777	1N736	ΔHSDI ESP GIC SAR USS	3946
1N713	ΔHSDI CDC ESP GIC HUG PSI SAR SIL TEC TII USS WSI	3308	1N719	ΔHSDI CDC ESP GIC HUG PSI SAR SIL USS WSI	3544	1N727	ΔHSDI CDC ESP GIC HUG SAR USS WSI	3808	1N737	ΔHSDI ESP GIC SAR USS WSI	3989
1N714	ΔHSDI CDC ESP GIC HUG PSI SAR SIL TEC TII USS WSI	3338	1N720	ΔHSDI CDC ESP GIC HUG PSI SAR SIL USS WSI	3592	1N728	ΔHSDI CDC ESP GIC HUG SAR USS WSI	3813	1N738	ΔHSDI ESP GIC SAR USS WSI	3981
1N715	ΔHSDI CDC ESP GIC HUG PSI SAR SIL TEC TII USS WSI	3404	1N721	ΔHSDI CDC ESP GIC HUG PSI SAR USS WSI	3629	1N729	ΔHSDI CDC ESP GIC HUG SAR USS WSI	3837	1N741	ΔHSDI ESP GIC WSI	4018
1N716	ΔHSDI CDC ESP GIC HUG PSI SAR SIL TEC TII USS WSI	3418	1N722	ΔHSDI CDC ESP GIC HUG PSI SAR USS WSI	3652	1N730	ΔHSDI CDC ESP GIC HUG SAR USS WSI	3851	1N742	ΔHSDI ESP GIC WSI	4028
1N717	ΔHSDI CDC ESP GIC HUG PSI SAR SIL TEC TII USS WSI	3465	1N723	ΔHSDI CDC ESP GIC HUG PSI SAR USS WSI	3701	1N731	ΔHSDI ESP GIC HUG SAR USS WSI	3869	1N743	ΔHSDI ESP GIC WSI	4036
1N718	ΔHSDI CDC ESP GIC HUG PSI SAR SIL TEC TII USS WSI	3513	1N724	ΔHSDI CDC ESP GIC HUG PSI SAR USS WSI	3741	1N732	ΔHSDI ESP GIC SAR USS WSI	3883	1N744	ΔHSDI ESP GIC WSI	4044
(cont. next col.)			1N725	ΔHSDI CDC ESP GIC HUG PSI SAR USS WSI	3787	1N733	ΔHSDI ESP GIC SAR USS WSI	3902	1N745	ΔHSDI ESP GIC WSI	4072
						1N734	ΔHSDI ESP GIC SAR USS WSI	3912	1N746	ΔTII CDC GIC HSDI PSI TEC	2973
						1N735	ΔHSDI ESP GIC SAR USS WSI	3935	1N747	TII CDC GIC HSDI MOTA PSI TEC TIIB	2980
									1N747A	TII CDC GIC HSDI MOTA PSI TEC	2983



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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN748	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	2985	IN752A	TII CDC GIC HSDI PSI TEC WSI	3124	IN757	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3305	IN763A	USS CDC GIC	3219c
IN748A	TII CDC GIC HSDI PSI TEC WSI	3011	IN753	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3133	IN757A	TII CDC GIC HSDI PSI TEC WSI	3328a	IN764	CDC GIC HSDI HUG PSI TEC TII WSI	3288
IN749	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3014	IN753A	TII CDC GIC HSDI PSI TEC WSI	3148	IN758	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3339	IN764A	USS CDC GIC	3308f
IN749A	TII CDC GIC HSDI PSI TEC WSI	3018	IN754	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3188	IN758A	TII CDC GIC HSDI PSI TEC WSI	3388b	IN765	CDC GIC HSDI HUG PSI TEC TII WSI	3344
IN750	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3022	IN754A	TII CDC GIC HSDI PSI TEC WSI	3204	IN759	TII CDC GIC HSDI MOTA PSI TEC WSI	3419	IN765A	USS CDC GIC	3408m
IN750A	TII CDC GIC HSDI PSI TEC WSI	3058f	IN755	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3222g	IN759A	TII CDC GIC HSDI PSI TEC WSI	3452b	IN766	CDC GIC HSDI HUG PSI TEC TII WSI	3443
IN751	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3065	IN755A	TII CDC GIC HSDI PSI TEC WSI	3228	IN760	ROG	4201a	IN766A	USS CDC GIC HSDI HUG PSI TEC WSI	3477c
IN751A	TII CDC GIC HSDI PSI TEC WSI	3074	IN756	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3238	IN761	CDC GIC HSDI HUG PSI TEC TII WSI	3048	IN767	CDC GIC HSDI HUG PSI TEC WSI	3522
IN752	TII CDC GIC HSDI MOTA PSI TEC TIIB WSI	3085a	IN756A	TII CDC GIC HSDI PSI TEC WSI	3280c	IN762	CDC GIC HSDI HUG PSI TEC TII WSI	3105	IN768	USS CDC GIC	3608
						IN763	CDC GIC HSDI HUG PSI TEC TII WSI	3190	IN768A	USS CDC GIC	3628b
									IN769	TEC GIC HSDI HUG PSI WSI	3679
									IN769A	USS CDC GIC	3709g
									IN770	ACBS CLE ERI GIC HUG OHM SYL	4129

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN771	ΔGIC ERI OHM WSI	349	IN789 (cont.)	GIC PRI RHE SSD		IN797	ΔPSI CDC CLE COD DES FSC GIC PRI RHE	4276c	IN805	ΔSYL DES GIC NPC OHM SEM WSI	123
IN771A	ΔGIC	352	IN790	ΔPSI	4147a				IN806	ΔTEC	4275
IN771B	OHM	354		CDC CLE COD DES FSC GIC PRI RHE SSD		IN798	ΔPSI	4276d		CDC CLE COD DES FSC GIC RHE	
IN772	ΔGIC	305							IN807	ΔTEC	4310
	CLE ERI OHM WSI		IN791	ΔPSI	4138					CDC CLE COD DES FSC GIC RHE	
IN772A	ΔGIC	308		CDC CLE COD DES FSC GIC PRI RHE SSD		IN799	ΔPSI	4277a		CDC CLE COD DES FSC GIC PRI RHE	
IN773	ΔGIC	285							IN808	ΔTEC	4278
	ERI OHM SEM WSI		IN792	ΔPSI	4135					CDC COD DES FSC GIC RHE	
IN773A	ΔGIC	288		CDC CLE COD DES FSC GIC PRI RHE SSD		IN800	ΔPSI	4277f		CDC COD DES FSC GIC RHE	
	ERI OHM SEM WSI								IN809	TEC	4318
IN774	ΔGIC	245								CDC COD DES FSC GIC RHE	
	CBS ERI OHM SEM WSI		IN793	ΔPSI	4171	IN801	ΔPSI	4280		TEC COD DES FSC GIC RHE	4318
IN774A	ΔGIC	254		CDC CLE COD DES FSC GIC PRI RHE SSD			CDC CLE COD DES FSC GIC PRI RHE		IN810	TEC	4172
	OHM SEM WSI									DES	
IN775	GIC	248				IN802	ΔPSI	4281	IN811	TEC	41285
	ERI OHM SEM WSI						CDC CLE COD DES FSC GIC PRI RHE			DES FSC GIC RHE	
IN776	GIC	39	IN794	ΔPSI	4155a	IN803	ΔPSI	4313c	IN812	TEC	4144
	ERI OHM SEM			CDC CLE COD DES FSC GIC PRI RHE SSD			CDC CLE COD DES FSC GIC PRI RHE			DES FSC GIC RHE	
IN777	ΔGIC	4207d							IN813	TEC	41156
IN778	ΔCLE	4264				IN804	ΔPSI	4255		DES FSC GIC RHE	
	CDC COD DES FSC GIC RHE UCI		IN795	ΔPSI	4175		CDC CLE COD DES FSC GIC PRI RHE SSD		IN814	TEC	4162
IN779	ΔCLE	4258								DES FSC GIC RHE	
	CDC COD DES FSC GIC RHE UCI								IN815	TEC	4123a
IN788	ROC	4207e								DES FSC GIC RHE	
IN789	ΔPSI	4137	IN796	ΔPSI	4267f		CDC CLE COD DES FSC GIC PRI RHE SSD		IN816	SYL	33
	CDC CLE COD DES FSC								IN818	ΔCLE	4216
(cont. next col.)										CDC DES FSC GIC RHE	

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN821	ΔTEC HSDI MOTA WSI	3150	IN839	ΔHUG COD DES ERI FSC PRI RHE	4320	IN850	HUG DES GIC RHE	2025	IN868	HUG CDC DES GIC RHE WSI	640a
IN821A	ΔMOTA	3150a				IN851	HUG	2361			
IN822	ΔTEC HSDI WSI	3151	IN840	ΔHUG CDC COD DES FSC RHE	4184	IN852	HUG DES GIC RHE	2472	IN869	HUG CDC DES GIC RHE	895a
IN823	ΔTEC HSDI MOTA WSI	3152				IN853	HUG DES GIC RHE	2622	IN870	HUG CDC DES GIC RHE	1306a
IN823A	ΔMOTA	3152a	IN841	ΔHUG CDC COD DES FSC RHE SSD TEC WSI	4295	IN854	HUG DES GIC RHE	2665	IN871	HUG CDC GIC RHE	1664a
IN824	ΔTEC HSDI WSI	3153				IN855	HUG DES GIC RHE	2739	IN872	HUG DES GIC RHE	2019c
IN825	ΔTEC MOTA WSI	3154	IN842	ΔHUG COD DES FSC RHE WSI	4321	IN856	HUG DES GIC RHE	2751	IN873	HUG DES GIC RHE	2297a
IN825A	ΔMOTA	3154a				IN857	HUG CDC DES GIC RHE WSI	640f	IN874	HUG DES GIC RHE DES GIC RHE	2487d
IN826	TEC WSI	3155	IN843	ΔHUG COD DES FSC RHE WSI	4326	IN858	HUG CDC DES GIC RHE	896a	IN875	HUG DES GIC RHE	2621d
IN827	ΔTEC MOTA WSI	3155a				IN859	HUG CDC DES GIC RHE	1306e	IN876	HUG DES GIC RHE	2665f
IN827A	ΔMOTA	3155b	IN844	ΔHUG COD DES ERI FSC RHE SSD WSI	4273	IN860	HUG CDC DES GIC RHE	1664d	IN877	HUG DES GIC RHE WSI	2737g
IN830	ΔSYL KEM MIC	4556b				IN861	HUG DES GIC RHE	2019e	IN878	HUG DES GIC RHE	2748h
IN831	ΔSYL KEM MIC	4384	IN845	ΔHUG COD DES ERI FSC RHE SSD WSI	4322	IN862	HUG DES GIC RHE	2298c	IN879	HUG CDC DES GIC RHE WSI	639
IN831A	ΔSYL KEM MIC	4384a				IN863	HUG GIC RHE	2470b	IN880	HUG CDC DES GIC RHE	891
IN832	ΔSYL KEM MIC	4383	IN846	HUG CDC DES GIC RHE	843	IN864	HUG DES GIC RHE	2621f	IN881	HUG CDC DES GIC RHE	1303c
IN833	ΔSYL KEM MIC	4443a				IN865	HUG DES GIC RHE	2667a	IN882	HUG CDC DES GIC RHE	1663
IN835	HUG	4153a	IN847	HUG CDC DES GIC RHE	902	IN866	HUG DES GIC RHE	2737g	IN883	HUG DES GIC RHE	2019a
IN836	HUG	4603				IN867	HUG DES GIC RHE	2749a			
IN837	ΔHUG CDC COD DES ERI FSC RHE SSD WSI	4271	IN848	HUG CDC DES GIC RHE	1312						
IN837A	ΔHUG CDC COD DES FSC RHE SSD WSI	4272									
IN838	ΔHUG CDC COD DES ERI FSC RHE WSI	4294	IN849	HUG CDC DES GIC RHE	1670						

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN884	HUG DES GIC RHE	2293	IN900	ΔPSI DES WSI	421a	IN907A	ΔFSC DES GIC RHE	4163f	IN916B	ΔTII	4222n
IN885	HUG DES GIC RHE	24875	IN901	ΔPSI DES WSI	425a	IN908	ΔMIC DES FSC GIC PRI PSI RHE SYL WSI	4182k	IN920	ΔSSD COD DES MIC RHE WSI	4181a
IN886	HUG DES GIC RHE	2621c	IN902	ΔPSI DES WSI	5325	IN908A	ΔFSC DES GIC RHE RHE WSI	4173c	IN921	ΔSSD COD DES MIC WSI	4220a
IN887	HUG DES GIC	26855	IN903	ΔMIC DES FSC GIC PRI PSI RHE SYL WSI	4182j	IN909	GIC WSI	188a	IN922	RHE COD DES SSD TEC WSI	4274d
IN888	HUG DES GIC	2737m	IN903A	ΔFSC DES GIC RHE WSI	41735	IN910	GIC	82	IN923	ΔSSD COD DES RHE WSI	4288a
IN889	HUG DES GIC	27485	IN904	ΔMIC DES FSC GIC PSI RHE SYL WSI	41475	IN911	ERI GIC	33a	IN924	RHE DES	42005
IN890	ΔCLE DES FSC GIC INRC WSI	230a	IN904A	ΔFSC DES GIC RHE WSI	4183e	IN912	ΔPSI HSDI WSI	2953a	IN925	ΔPSI CLE DES FSC GIC PRI RHE WSI	4182a
IN891	ΔGIC CDC COD DES FSC PRI RHE UCI WSI	4204a	IN905	ΔMIC DES FSC GIC PSI RHE SYL WSI	41285	IN912A	HSDI	29555	IN926	ΔPSI CLE DES FSC GIC PRI RHE WSI	41825
IN892	ΔGIC CDC COD DES FSC PRI RHE UCI WSI	42775	IN906	ΔMIC DES FSC GIC PSI RHE SYL WSI	4149a	IN913	ΔPSI HSDI WSI	29535	IN927	ΔPSI CLE DES FSC GIC PRI RHE WSI	4209a
IN893	ΔGIC COD DES FSC PRI RHE UCI WSI	4323a	IN906A	ΔFSC DES GIC RHE WSI	41285	IN914	ΔTII CDC CLE DES FSC GIC PRI PSI RHE SYL TEC WSI	4222d	IN928	ΔPSI CLE DES FSC GIC PRI RHE WSI	42785
IN894	HUG WSI	4603a	IN907	ΔMIC DES FSC GIC PSI RHE SYL TEC WSI	41495	IN914B	ΔTII	4229e	IN929	GIC	33c
IN895	HUG WSI	46055	IN907A	ΔFSC DES GIC RHE WSI	41475	IN914M	PSI	4222e	IN930	GIC	168a
IN896	HUG WSI	46055	IN908	ΔPSI DES GIC RHE WSI	41475	IN915	TII	4175a	IN931	GIC	411a
IN897	ΔPSI DES WSI	1845	IN908A	ΔFSC DES GIC RHE WSI	41495	IN916	ΔTII CDC CLE DES FSC GIC PRI PSI RHE SYL TEC WSI	4222f	IN932	GIC	532f
IN898	ΔPSI DES WSI	178a	IN909	ΔMIC DES FSC GIC PSI RHE SYL WSI	41475	IN918A	FSC CDC GIC DES RHE SYL TII	4285c	IN933	CBS SYL	4235a
IN899	ΔPSI DES WSI	404a							IN934	ΔUCI COD DES FSC RHE WSI	4218

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN935	ΔMOTA HSDI WSI	3319b	IN956	HUG	4503b	IN971	ΔMOTA CDC ESP	3706n	IN983A	ΔMOTA ESP HSDI	3946a
IN935A	ΔMOTA HSDI WSI	3319c	IN957	ΔMOTA CDC	3129a	IN971A	ΔMOTA ESP HSDI	3741a	IN984	ΔMOTA ESP	3960K
IN935B	ΔMOTA HSDI WSI	3319d	IN957A	ΔMOTA HSDI	3166a	IN972	ΔMOTA CDC ESP	3737d	IN984A	ΔMOTA ESP HSDI	3971c
IN936	ΔMOTA HSDI WSI	3319e	IN958	ΔMOTA CDC	3161d	IN972A	ΔMOTA ESP HSDI	3767a	IN985	ΔMOTA ESP	3982E
IN936A	ΔMOTA HSDI WSI	3319f	IN958A	ΔMOTA HSDI	3222h	IN973	ΔMOTA CDC ESP	3782a	IN985A	ΔMOTA ESP HSDI	3981a
IN936B	ΔMOTA HSDI WSI	3319g	IN959	ΔMOTA CDC	3211j	IN973A	ΔMOTA ESP HSDI	3777a	IN986	ΔMOTA ESP	3976a
IN937	ΔMOTA HSDI WSI	3319h	IN959A	ΔMOTA HSDI	3238a	IN974	ΔMOTA CDC ESP	3774m	IN986A	ΔMOTA ESP HSDI	3999a
IN937A	ΔMOTA HSDI WSI	3319j	IN960	ΔMOTA CDC ESP	3237d	IN974A	ΔMOTA ESP HSDI	3800a	IN987	ΔMOTA ESP	3994f
IN937B	ΔMOTA HSDI WSI	3319k	IN960A	ΔMOTA ESP HSDI	3328q	IN975	ΔMOTA CDC ESP	3755k	IN987A	ΔMOTA ESP HSDI	4004a
IN938	ΔMOTA HSDI WSI	3319l	IN961	ΔMOTA CDC ESP	3297c	IN975A	ΔMOTA ESP HSDI	3813a	IN988	ΔMOTA ESP	4001a
IN938A	ΔMOTA HSDI WSI	3319m	IN961A	ΔMOTA ESP HSDI	3359a	IN976	ΔMOTA CDC ESP	3809e	IN988A	ΔMOTA ESP HSDI	4018a
IN938B	ΔMOTA HSDI WSI	3319n	IN962	ΔMOTA CDC ESP	3326c	IN976A	ΔMOTA ESP HSDI	3837a	IN989	ΔMOTA ESP	4018f
IN939	ΔMOTA HSDI WSI	3319o	IN962A	ΔMOTA ESP HSDI	3404a	IN977	ΔMOTA CDC ESP	3832c	IN989A	ΔMOTA ESP HSDI	4029
IN939A	ΔMOTA HSDI WSI	3319p	IN963	ΔMOTA CDC ESP	3359d	IN977A	ΔMOTA ESP HSDI	3851a	IN990	ΔMOTA ESP	4021e
IN939B	ΔMOTA HSDI WSI	3319q	IN963A	ΔMOTA ESP HSDI	3419a	IN978	ΔMOTA CDC ESP	3843e	IN990A	ΔMOTA ESP HSDI	4036a
IN941	ΔMOTA	3448b	IN964	ΔMOTA CDC ESP	3408f	IN978A	ΔMOTA ESP HSDI	3889a	IN991	ΔMOTA ESP	4038d
IN941A	ΔMOTA	3448c	IN964A	ΔMOTA ESP HSDI	3465a	IN979	ΔMOTA CDC ESP	3853a	IN991A	ΔMOTA ESP HSDI	4044a
IN941B	ΔMOTA	3448d	IN965	ΔMOTA CDC ESP	3475d	IN979A	ΔMOTA ESP HSDI	3883a	IN992	ΔMOTA ESP	4039e
IN942	ΔMOTA	3448e	IN965A	ΔMOTA ESP HSDI	3513a	IN980	ΔMOTA ESP	3880j	IN992A	ΔMOTA ESP HSDI	4073
IN942A	ΔMOTA	3448f	IN966	ΔMOTA CDC ESP	3487f	IN980A	ΔMOTA ESP HSDI	3902a	IN993	TEC	4111
IN942B	ΔMOTA	3448g	IN966A	ΔMOTA ESP HSDI	3544a	IN981	ΔMOTA CDC ESP	3885c	IN994	TEC	4112
IN943	ΔMOTA	3448h	IN967	ΔMOTA CDC ESP	3549c	IN981A	ΔMOTA ESP HSDI	3897h	IN995	TEC	4120b
IN943A	ΔMOTA	3448j	IN967A	ΔMOTA ESP HSDI	3592a	IN982	ΔMOTA CDC ESP	3912a	IN996	TEC	4142c
IN943B	ΔMOTA	3448k	IN968	ΔMOTA CDC ESP	3585d	IN982A	ΔMOTA ESP HSDI	3935a	IN997	RHE DES SYL WSI	4155g
IN944	ΔMOTA	3448l	IN968A	ΔMOTA ESP HSDI	3652a	IN983	ΔMOTA CDC ESP	3930q	IN1008	ΔGESY	2011
IN944A	ΔMOTA	3448m	IN969	ΔMOTA CDC ESP	3652a	IN983A	ΔMOTA ESP HSDI	3947b	IN1016	ΔGESY	2012
IN944B	ΔMOTA	3448n	IN970	ΔMOTA CDC ESP	3647b	IN984	ΔMOTA CDC ESP	3701a	IN1021	ΔGESY	2001
IN945	ΔMOTA	3448p	IN970A	ΔMOTA ESP HSDI	3701a	IN985	ΔMOTA CDC ESP	3652a	IN1022	ΔGESY	2004
IN945A	ΔMOTA	3448q	IN971	ΔMOTA CDC ESP	3701a	IN985A	ΔMOTA ESP HSDI	3652a	IN1023	ΔGESY	2007
IN945B	ΔMOTA	3448r	IN972	ΔMOTA CDC ESP	3652a	IN986	ΔMOTA CDC ESP	3652a	IN1024	ΔGESY	2013
IN947	WEC	2492a	IN973	ΔMOTA CDC ESP	3652a	IN987	ΔMOTA CDC ESP	3652a	IN1028	ΔSAR DES SEM	887
IN949	DES ACLE SYL	1865	IN974	ΔMOTA CDC ESP	3652a	IN988	ΔMOTA CDC ESP	3652a	IN1029	ΔSAR SEM	931
IN950	HUG	4488a	IN975	ΔMOTA CDC ESP	3647b	IN989	ΔMOTA CDC ESP	3652a	IN1030	ΔSAR SEM	1187
IN951	HUG	4496	IN976	ΔMOTA CDC ESP	3647b	IN990	ΔMOTA CDC ESP	3652a	IN1031	ΔSAR SEM	1341
IN952	HUG	4503a	IN977	ΔMOTA CDC ESP	3647b	IN991	ΔMOTA CDC ESP	3652a	IN1032	ΔSAR SEM	1700
IN953	HUG	4507a	IN978	ΔMOTA CDC ESP	3647b	IN992	ΔMOTA CDC ESP	3652a	IN1033	ΔSAR SEM	2055
IN954	HUG	4488b	IN979	ΔMOTA CDC ESP	3647b	IN993	ΔMOTA CDC ESP	3652a			
IN955	HUG	4497	IN980	ΔMOTA CDC ESP	3647b						

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IN1034	ΔSAR	683	IN1076	ΔSAR	763	IN1096	RDR		IN1103	GELC	
IN1035	ΔSAR	957	IN1077	ΔSAR	1059	(cont.)	SCN		(cont.)	HUG	
IN1036	ΔSAR	1197	IN1078	ΔSAR	1238		SEM			INRC	
IN1037	ΔSAR	1368	IN1079	ΔSAR	1474		SYL			ITT	
IN1038	ΔSAR	1726	IN1081	ΔSAR	532		SYN			KEM	
IN1039	ΔSAR	2088		SEM			TEC			MOTA	
IN1040	ΔSAR	684	IN1082	ΔSAR	1342		TII			NAE	
	RDR			SEM			TIIB			RAYN	
IN1041	ΔSAR	958	IN1083	ΔSAR	1701		UNI			RDR	
	RDR			SEM			WESY			SCN	
IN1042	ΔSAR	1198	IN1084	ΔSAR	2058	IN1100	ΔGIC	911		SYN	
	RDR			SEM			BRA			TEC	
IN1043	ΔSAR	1389	IN1085	ΔSAR	992		BRI		IN1104	ΔGIC	2313
	RDR		IN1086	ΔSAR	1407		COL			BRA	
IN1044	ΔSAR	1727	IN1087	ΔSAR	1766		GELC			BRI	
	RDR		IN1088	ΔSAR	2125		GESY			COL	
IN1045	ΔSAR	2089	IN1089	ΔSAR	1017		HUG			HUG	
IN1046	ΔSAR	685		VIC			INRC			INRC	
IN1047	ΔSAR	959	IN1090	ΔSAR	1432		ITT			ITT	
IN1048	ΔSAR	1199		VIC			KEM			KEM	
IN1049	ΔSAR	1370	IN1091	ΔSAR	1793		MOTA			MOTA	
IN1050	ΔSAR	1728		VIC			NAE			NAE	
IN1051	ΔSAR	2090	IN1092	ΔSAR	2149		RAYN			RAYN	
IN1052	ΔSAR	701		VIC			RDR			RDR	
IN1053	ΔSAR	972	IN1093	ΔSYL	4120		SCN			SCN	
IN1054	ΔSAR	1202		OHM			SYN			TEC	
IN1055	ΔSAR	1386	IN1095	ΔGESY	2344		TEC			TII	
IN1056	ΔSAR	1745		ATLB		IN1101	ΔGIC	13185	IN1105	ΔGIC	2483
IN1057	ΔSAR	2104		BRA			BRA			BRA	
IN1058	ΔSAR	721b		BRI			BRI			BRI	
IN1059	ΔSAR	1014		ESP			COL			COL	
	VIC			FTHF			GELC			INRC	
IN1060	ΔSAR	1214		GELC			GESY			ITT	
	VIC			COL			HUG			KEM	
IN1061	ΔSAR	1429		GIC			INRC			MOTA	
	VIC			HSDI			ITT			NAE	
IN1062	ΔSAR	1790		INRC			KEM			RAYN	
	VIC			ITT			MOTA			RDR	
IN1063	ΔSAR	2148		KEM			NAE			SCN	
	VIC			MAL			RAYN			TEC	
IN1064	ΔSAR	725		MOTA			RDR			TII	
	SYN			SCN			SCN		IN1108	SAR	2852
IN1065	ΔSAR	1015		SEM			SYN			SEM	
	SYN			NAE			TEC		IN1109	SAR	2851
	VIC			TEC			TII		IN1110	SAR	2857d
IN1066	ΔSAR	1215		RAYN		IN1102	ΔGIC	1877	IN1111	ΔSAR	2887
	SYN			RCAS			BRA		IN1112	ΔSAR	2900
	VIC			RDR			BRI		IN1113	ΔSAR	2902
IN1067	ΔSAR	1430		SYL			COL		IN1115	ΔGESY	973
	SYN			TII			GELC			BRA	
	VIC			TIIB			GESY			BRI	
IN1068	ΔSAR	1791		UNI			HUG			CDE	
	SYN			WESY			INRC			COL	
	VIC		IN1098	ΔGESY	2511		ITT			DIC	
IN1069	ΔSAR	2147		BRA			KEM			FTHF	
	SYN			BRI			MOTA			GELC	
	VIC			COL			NAE			GIC	
IN1070	ΔSAR	728		FTHF			RAYN			HSDI	
IN1071	ΔSAR	1016		GELC			RDR			HUG	
	VIC			GIC			SCN			ITT	
IN1072	ΔSAR	1216		HSDI			SYN			KEM	
	VIC			HUG			TEC			MOTA	
IN1073	ΔSAR	1431		INRC			TII			NAE	
	VIC			ITT		IN1103	ΔGIC	2033		RAYN	
IN1074	ΔSAR	1792		KEM			BRA			RDR	
	VIC			MAL			BRI			SCN	
IN1075	ΔSAR	2148		MOTA			COL			SYN	
	VIC			NAE			GESY			TEC	
	VIC			RAYN						TII	
										TSC	
										USS	
			cont. next		column		cont. next	column			

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IN1116	ΔGESY BRA BRI CDE COL DIC FTHF GELC GIC HSDI HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TEC TII TSC USS	1387	IN1119 cont.	COL DIC FTHF GELC GIC HSDI HUG ITT MOTA NAE RAYN RDR SCN TEC TII TSC USS VIC		IN1126	ΔTII BEN BRA BRI CDE COL GESY GIC HUG ITT MAL NAE RAYN SCN TII TSC USS	2128	IN1135	ΔINRC BRA GIC NAE PSI SAR TEC USS	2869
			IN1120	ΔGESY BRA BRI CDE COL DIC GELC GIC HUG ITT MOTA NAE RAYN RDR SCN TEC TII TSC USS	2533	IN128A	ΔTII GESY	2143	IN1136	ΔINRC BRA GIC NAE PSI SAR TEC USS	2870
IN1117	ΔGESY BRA BRI CDE COL DIC FTHF GELC GIC HSDI HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TEC TII TSC USS	1748				IN1127	ΔTII BEN BRA BRI CDE COL GESY GIC HUG ITT NAE RAYN SCN TII TSC USS	2353	IN1137	ΔINRC BRA GIC FTHF NAE PSI SAR TEC USS	2885
			IN1124	ΔTII BEN BRA BRI CDE COL GESY GIC HUG ITT MAL NAE RAYN SCN TII TSC USS	1411	IN1127A	TII	2394	IN1138	ΔINRC BRA GIC NAE PSI SAR TEC USS	2886
IN1118	ΔGESY BRA BRI CDE COL DIC FTHF GELC GIC HSDI HUG ITT KEM MOTA NAE RAYN RDR SCN SYN TEC TII TSC USS	2105	IN1124A	ΔTII GESY	1424a	IN1128	ΔTII BEN BRA BRI CDE COL GESY GIC HUG ITT MAL NAE RAYN SCN TII TSC USS	2549	IN1139	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2888
			IN1125	ΔTII BEN BRA BRI CDE COL GESY GIC HUG ITT NAE RAYN SCN TII TSC USS	1771	IN1128A	ΔTII GESY	2560	IN1140	ΔINRC BRA COL FTHF GIC NAE PSI SAR TEC USS	2887
IN1119	ΔGESY BRA BRI CDE	2388	IN1125A	TII	1784	IN1130	ΔTII BRA COL INRC NAE USS	2539	IN1141	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2814
cont. next column						IN1131	ΔTII BRA INRC NAE USS	2840	IN1142	ΔINRC BRA COL FTHF GIC NAE PSI SAR TEC USS	2813
						IN1132	ΔSYL USS	4353a			
						IN1133	ΔINRC BRA GIC FTHF NAE PSI SAR TEC USS	2831			
						IN1134	ΔINRC BRA GIC NAE PSI SAR TEC USS	2832			

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IN1143	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2918	IN1158	ΔSAR USS	1067	IN1183A	ΔDEL BRI	628k	IN1188	TSC TUNL USS VIC	
IN1143A	ΔINRC COL FTHF GIC NAE PSI SAR TEC USS	2920	IN1159	ΔSAR USS	1482	IN1184	ΔWESY BRI ESP FAN GIC INRC NAE SRC SYN TEC TSC TUNL USS VIC	1095	IN1188 (cont.)		
IN1144	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2925	IN1160	ΔSAR USS	1842	IN1184A	ΔDEL BRI	877	IN1189	ΔWESY BRI ESP FAN GIC INRC NAE SRC SYN TSC TUNL USS VIC	2440
IN1145	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2926	IN1161	ΔSAR USS	798	IN1185	ΔWESY BRI ESP FAN GIC INRC NAE SRC SYN TSC TUNL USS VIC	1281	IN1190	ΔWESY BRI ESP FAN GIC INRC NAE SRC SYN TSC TUNL USS VIC	2602
IN1146	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2929	IN1162	ΔSAR USS	1093	IN1185A	DEL BRI	1151m	IN1191	ΔWESY BRI COL ESP GESY GIC INRC NAE SYN TSC TUNL USS VIC	788
IN1147	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2935	IN1163	ΔSAR USS	1507	IN1186	ΔWESY BRI ESP FAN GIC INRC NAE SRC SYN TSC TUNL USS VIC	1508a	IN1191A	ΔDEL BRI RAYN	628j
IN1148	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2938	IN1164	ΔSAR USS	1887	IN1187	ΔWESY BRI ESP FAN GIC INRC NAE SRC SYN TSC TUNL USS VIC	1888a	IN1192	ΔWESY BRI COL ESP GESY GIC INRC NAE SYN TSC TUNL USS VIC	1084
IN1149	ΔINRC BRA COL GIC KEM NAE PSI SAR TEC USS	2940	IN1165	ΔSAR USS	828a	IN1188A	ΔDEL BRI	1182c	IN1192A	ΔDEL BRI RAYN	878r
IN1150	USS	2860r	IN1166	WESY BRA GESY GIC MOTA SCN SEM USS	2058	IN1189	WESY BRA BRI GESY GIC MOTA SCN SEM USS		IN1193	ΔWESY BRI COL ESP GESY GIC INRC NAE SYN	1242
IN1150A	SAR	28601	IN1167	ΔSAR USS	1538	IN1171	ΔSAR USS	772			
IN1157	ΔSAR USS	771	IN1168	ΔSAR USS	1899	IN1172	ΔSAR USS	1088			
			IN1169A	WESY BRA GESY GIC SCN SEM USS	2058	IN1173	ΔSAR USS	1483			
						IN1174	ΔSAR USS	1843			
						IN1175	ΔSAR USS	797			
						IN1176	ΔSAR USS	1094			
						IN1177	ΔSAR USS	1508			
						IN1178	ΔSAR USS	1888			
						IN1179	ΔSAR USS	827			
						IN1180	ΔSAR USS	1124			
						IN1181	ΔSAR USS	1537			
						IN1182	ΔSAR USS	1900			
						IN1183	ΔWESY BRI ESP GIC INRC FAN NAE SRC SYN TSC TUNL USS VIC	798			

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN1193 (cont.)	TSC TUNL USS VIC		IN1197A	ARCAS GESY GIC	2427c	IN1201 (cont.)	SYN TSC TUNL USS		IN1205 (cont.)	GIC INRC ITT NAE SRC SYN TSC TUNL USS	
IN1193A	ΔDEL BRI RAYN	11811	IN1198	ΔWESY BRI COL ESP GESY GIC INRC NAE SYN TSC TUNL USS VIC	2588	IN1201A	ΔGESY BRA BRI CDE FAN GESY GIC INRC ITT NAE SRC SYN TEC TSC TUNL USS	1237a	IN1205A	ΔGESY BRA BRI	2425
IN1194	ΔWESY BRI COL ESP GESY GIC INRC NAE SYN TSC TUNL USS VIC	1479	IN1198A	ARCAS GESY GIC	2588c	IN1202	ΔWESY BEN BRA BRI CDE FAN GESY GIC INRC ITT NAE SRC SYN TEC TSC TUNL USS	1471	IN1206	ΔWESY BEN BRA BRI CDE FAN GESY GIC INRC ITT NAE SRC SYN TEC TSC TUNL USS	2583
IN1194A	ΔDEL BRI RAYN	11825	IN1199	ΔWESY BEN BRA BRI CDE FAN GESY GIC INRC ITT NAE SYN SRC TSC TUNL USS	781	IN1202A	ΔGESY BRA BRI	1471a	IN1206A	ΔGESY BRA BRI	2583a
IN1195	ΔWESY BRI COL ESP GESY GIC INRC NAE RAYN SYN TSC TUNL USS VIC	1841	IN1199A	ΔGESY BRA BRI	782	IN1203	ΔWESY BEN BRA BRI CDE FAN GESY GIC INRC ITT NAE SRC SYN TSC TUNL USS	1828	IN1217	ΔWESY BRA BRI COL GESY HUG INRC MOTA NAE SCN SYN	708
IN1195A	ARCAS GIC GESY	1843a	IN1200	ΔWESY BEN BRA BRI CDE FAN GESY GIC INRC ITT NAE SRC SYN TSC TUNL USS VIC	1055	IN1203A	ΔGESY BRA BRI	1833	IN1217A	ΔWESY BRA BRI INRC MOTA NAE SCN SYN	705
IN1196	ΔWESY BRI COL ESP GESY GIC INRC NAE RAYN SYN TSC TUNL USS VIC	2194	IN1200A	ΔGESY BRA BRI	1055a	IN1204	ΔWESY BEN BRA BRI CDE FAN GESY GIC INRC ITT NAE SRC SYN TEC TSC TUNL USS	2187	IN1218	ΔWESY BRA BRI COL GESY HUG INRC MOTA NAE SCN SYN	987
IN1196A	ARCAS GESY GIC	2194a	IN1201	ΔWESY BEN BRA BRI CDE FAN GESY GIC INRC ITT NAE SRC SYN TSC TUNL USS VIC	1237	IN1204A	ΔGESY BRA BRI	2188	IN1218A	ΔWESY BRA BRI INRC MOTA NAE SCN SYN	988
IN1197	ΔWESY BRI COL ESP GESY GIC INRC NAE RAYN SYN TSC TUNL USS VIC	2427				IN1205	ΔWESY BEN BRA BRI CDE FAN GESY	2424			

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1N1219	ΔWESY BRA BRI COL GESY HUG INRC MOTA NAE SCN SYN	1203	1N1222A	ΔWESY BRA BRI INRC MOTA NAE SCN SYN	2121	1N1227	ΔWESY BRA BRI COL ITT NAE SCN SYN TSC	710	1N1231A	ΔWESY BRA BRI NAE SCN SYN	1764
1N1219A	ΔWESY BRA BRI INRC MOTA NAE SCN SYN	1204	1N1223	ΔWESY BRA BRI COL GESY HUG INRC MOTA NAE SCN SYN	2375	1N1227A	ΔWESY BRA BRI NAE SCN SYN TSC	711	1N1232	ΔWESY BRA BRI COL ITT NAE SCN SYN TSC	2122
1N1220	ΔWESY BRA BRI COL GESY HUG INRC MOTA NAE SCN SYN	1402	1N1223A	ΔWESY BRA BRI INRC MOTA NAE SCN SYN	2378	1N1228	ΔWESY BRA BRI COL NAE ITT SCN SYN TSC	989	1N1232A	ΔWESY BRA BRI NAE SCN SYN TSC	2123
1N1220A	ΔWESY BRA BRI INRC MOTA NAE SCN SYN	1403	1N1224	ΔWESY BRA BRI COL GESY HUG INRC MOTA NAE SCN SYN	2542	1N1228A	ΔWESY BRA BRI NAE SCN SYN TSC	990	1N1233	ΔWESY BRA BRI COL ITT NAE SCN SYN TSC	2377
1N1221	ΔWESY BRA BRI COL GESY HUG INRC MOTA NAE SCN SYN	1761	1N1224A	ΔWESY BRA BRI INRC MOTA NAE SCN SYN	2543	1N1229	ΔWESY BRA BRI COL ITT NAE SCN SYN TSC	1205	1N1233A	ΔWESY BRA BRI NAE SCN SYN TSC	2378
1N1221A	ΔWESY BRA BRI INRC MOTA NAE SCN SYN	1762	1N1225	ΔWESY BRA BRI COL GESY HUG MOTA NAE SCN SYN	2638	1N1229A	ΔWESY BRA BRI NAE SCN SYN TSC	1206	1N1234	ΔWESY BRI COL ITT NAE SCN SYN TSC	2544
1N1222	ΔWESY BRA BRI COL GESY HUG INRC MOTA NAE SCN SYN	2120	1N1226	ΔWESY BRA BRI COL GESY HUG MOTA NAE SCN SYN	2702	1N1230	ΔWESY BRA BRI COL ITT NAE SCN SYN TSC	1404	1N1234A	ΔWESY BRI NAE SCN SYN TSC	2545
						1N1230A	ΔWESY BRA BRI NAE SCN SYN TSC	1405	1N1235	ΔWESY BRA BRI COL ITT NAE SCN SYN TSC	2637
						1N1231	ΔWESY BRA BRI COL ITT NAE SCN SYN TSC	1763	1N1236	ΔWESY BRA BRI COL ITT NAE SCN SYN TSC	2703
									1N1237	ΔSAR	2860j
									1N1238	ΔSAR	2860k
									1N1239	ΔSAR	2903



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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN1344A	ΔGESY BRA BRI COL GELC	1447	IN1348A	ΔGESY BRA BRI COL GELC	2570a	IN1356A	USS DIC GIC	3554e	IN1363	ΔHSDI ASC DIC ESP NAE MOTA SAR	3778
IN1345	ΔWESY BEN BRA BRI CDE COL GESY GIC INRC ITT NAE SRC SYN TSC USS	1808	IN1351	ΔHSDI ASC DIC ESP GIC NAE MOTA SAR	3340	IN1357	ΔHSDI ASC DIC ESP GIC NAE MOTA SAR	3593	IN1363A	USS DIC GIC	3798
IN1345A	ΔGESY BRA BRI COL GELC	1808a	IN1351A	USS DIC GIC	3387	IN1357A	USS DIC GIC	3614f	IN1364	ΔHSDI ASC DIC ESP NAE MOTA SAR	3801
IN1346	ΔWESY BEN BRA BRI CDE COL GESY GIC INRC ITT NAE SRC SYN TSC USS	2183	IN1352	ΔHSDI ASC DIC ESP GIC NAE MOTA SAR	3405	IN1358	ΔHSDI ASC DIC ESP GIC INRC NAE MOTA SAR	3630	IN1364A	USS DIC GIC	3807f
IN1346A	ΔGESY BRA BRI COL GELC	2183a	IN1352A	USS DIC GIC	3407a	IN1358A	USS DIC GIC	3640e	IN1365	ΔHSDI ASC DIC ESP MOTA NAE SAR	3814
IN1347	ΔWESY BEN BRA BRI CDE COL GESY GIC INRC ITT NAE SRC SYN TSC USS	2407	IN1353	ΔHSDI ASC DIC ESP GIC INRC NAE MOTA SAR	3420	IN1359	ΔHSDI ASC DIC ESP GIC NAE MOTA SAR	3653	IN1365A	USS DIC GIC	3827e
IN1347A	ΔGESY BRA BRI COL GELC	2407a	IN1353A	USS DIC GIC	3420c	IN1359A	USS DIC GIC	3658f	IN1366	ΔHSDI ASC DIC ESP MOTA NAE SAR	3838
IN1348	ΔWESY BEN BRA BRI CDE COL GESY GIC INRC ITT NAE SRC SYN TSC USS	2570	IN1354	ΔHSDI ASC DIC ESP GIC NAE MOTA SAR	3488	IN1360	ΔHSDI ASC DIC ESP GIC MOTA SAR	3702	IN1366A	USS DIC GIC	3843b
IN1348A	ΔGESY BRA BRI COL GELC	2570a	IN1354A	USS DIC GIC	3477g	IN1360A	USS DIC GIC	3709p	IN1367	ΔHSDI ASC DIC ESP MOTA NAE SAR	3852
IN1347A	ΔGESY BRA BRI COL GELC	2408	IN1355	ΔHSDI ASC DIC ESP GIC NAE MOTA SAR	3514	IN1361	ΔHSDI ASC DIC ESP GIC INRC NAE MOTA SAR	3742	IN1367A	USS DIC GIC	3854g
IN1348	ΔWESY BEN BRA BRI CDE COL GESY GIC INRC ITT NAE SRC SYN TSC USS	2570	IN1355A	USS DIC GIC	3534	IN1361A	USS DIC GIC	3758k	IN1368	ΔHSDI ASC DIC ESP NAE MOTA SAR	3870
IN1348	ΔWESY BEN BRA BRI CDE COL GESY GIC INRC ITT NAE SRC SYN TSC USS	2570	IN1356	ΔHSDI ASC DIC ESP GIC NAE MOTA SAR	3545	IN1362	ΔHSDI ASC DIC ESP GIC NAE MOTA SAR	3768	IN1368A	USS DIC GIC	3878k
						IN1362A	USS DIC GIC	3772b	IN1369	ΔHSDI ASC DIC ESP MOTA NAE SAR	3884
									IN1369A	USS DIC GIC	3885b





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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1N1552	BRA GIC RDR TSC	1370a	1N1582	TEC BEN BRA BRI CDE GESY GIC NAE SYN TII TSC	996	1N1588A	AINRC GIC NAE	3000c	1N1597A	AINRC GIC NAE USS	3688m
1N1553	BRA GIC RDR TSC	1729a				1N1589	AINRC GIC ITT NAE	3031	1N1598	AINRC GIC ITT NAE TII	3721
1N1554	BRA GIC RDR TSC	2090b				1N1589A	AINRC GIC NAE	3059c	1N1598A	AINRC GIC NAE USS	3756a
1N1555	BRA GIC RDR TSC	2352c	1N1583	TEC BEN BRA BRI CDE GESY GIC NAE SYN TII TSC	1413	1N1590	AINRC GIC ITT NAE	3089	1N1599	AINRC FAN GIC ITT NAE TII	2990
1N1556	BRA GIC RDR SCN	948a				1N1590A	AINRC GIC NAE	3117c	1N1599A	AINRC NAE	3000d
1N1557	BRA GIC RDR SCN	1358a	1N1584	TEC BEN BRA BRI CDE GESY GIC NAE SYN TII TSC	1773	1N1591	AINRC GIC ITT NAE	3175	1N1600	AINRC FAN GIC ITT NAE TII	3032
1N1558	BRA GIC RDR SCN	1718a				1N1591A	AINRC GIC NAE USS	3205e	1N1600A	AINRC NAE	3059d
1N1559	BRA GIC RDR SCN	2078a				1N1592	AINRC GIC ITT NAE	3251	1N1601	AINRC FAN GIC ITT NAE TII	3090
1N1560	BRA GIC RDR SCN SYL	2345a	1N1585	TEC BEN BRA BRI CDE GESY GIC NAE SYN TII TSC	2130	1N1592A	AINRC GIC NAE USS	3281g	1N1601A	AINRC NAE	3090
1N1563	AMOTA DES	960				1N1593	AINRC GIC ITT NAE	3358	1N1601A	AINRC NAE	3117d
1N1563A	MOTA	974				1N1593A	AINRC GIC NAE USS	3387c	1N1602	AINRC FAN GIC ITT MOTA NAE TII	3178
1N1564	AMOTA DES	1371				1N1594	AINRC GIC ITT NAE	3426	1N1602A	AINRC NAE	3205f
1N1564A	MOTA	1388				1N1594A	AINRC GIC ITT NAE	3453c	1N1603	AINRC DIC FAN GIC HSDI ITT MOTA NAE TII	3281h
1N1565	AMOTA DES	1730	1N1586	TEC BEN BRA BRI CDE GESY GIC NAE SYN TII TSC	2385	1N1595	AINRC GIC ITT NAE TII	3492	1N1603A	AINRC DIC HSDI NAE USS	3252
1N1565A	MOTA	1747				1N1595A	AINRC GIC NAE USS	3536d	1N1604	AINRC DIC FAN GIC HSDI ITT MOTA NAE TII	3359
1N1568	AMOTA DES	2091				1N1596	AINRC GIC ITT NAE TII	3570			
1N1568A	MOTA	2108				1N1596A	AINRC GIC NAE USS	3614m			
1N1575	GIC TSC	980a				1N1597	AINRC GIC ITT NAE	3662			
1N1576	GIC TSC	1371a	1N1587	TEC BEN BRA BRI CDE GESY GIC NAE SYN TII TSC	2551						
1N1577	GIC TSC	1730a									
1N1578	GIC TSC	2091a									
1N1581	TEC BEN BRA BRI CDE GESY GIC NAE SYN TII TSC	715	1N1588	AINRC GIC ITT NAE	2989						

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	
1N1604A	ΔINRC	3387d	1N1609A	ΔINRC	3756r	1N1617	ΔSAR	975	1N1662	ΔWESY	1286	
	DIC			DIC		1N1618	ΔSAR	1389		SYN		
	HSDI			HSDI		1N1619	ΔSAR	1748	1N1663	ΔWESY	1548F	
	NAE			NAE		1N1620	ΔSAR	2107		SYN		
	USS			USS		1N1621	ΔSAR	1038	1N1664	ΔWESY	1911F	
1N1605	ΔINRC	3427	1N1610	ΔMIC	4432		SYN			SYN		
	DIC			SYL		1N1622	ΔSAR	1454	1N1665	ΔWESY	2285	
	FAN		1N1611	ΔSYL	4434a		SYN			SYN		
	GIC		1N1611A	ΔMIC	4434b	1N1623	ΔSAR	1814	1N1666	ΔWESY	2485	
	HSDI			KEM			SYN		1N1670	ΔWESY	851	
	ITT			SYL			VIC			SYN		
	MOTA		1N1612	ΔBEN	727	1N1624	ΔSAR	2189	1N1671	ΔWESY	1149	
	NAE			BRA			SYN			SYN		
1N1605A	ΔINRC	3453a		BRI		1N1625	ΔINRC	100	1N1672	ΔWESY	1281	
	DIC			CDE		1N1625A	ΔINRC	101		SYN		
	HSDI			COL		1N1626	ΔINRC	267	1N1673	ΔWESY	1554	
	NAE			FAN		1N1626A	ΔINRC	268		SYN		
	USS			GESY		1N1627	ΔINRC	102	1N1674	ΔWESY	1917c	
1N1606	ΔINRC	3483		GIC		1N1628	ΔINRC	289		SYN		
	DIC			SYN		1N1629	ΔINRC	375	1N1675	ΔWESY	2274d	
	FAN			TII		1N1630	ΔINRC	481	1N1676	ΔWESY	24601	
	GIC			TSC		1N1631	ΔINRC	503	1N1680	ΔINRC	1262	
	HSDI			VIC		1N1632	ΔINRC	526	1N1681	ΔINRC	1620	
	ITT		1N1613	ΔBEN	1018	1N1633	ΔINRC	554	1N1682	ΔINRC	1869	
	MOTA			BRA		1N1634	ΔINRC	560	1N1683	ΔINRC	1958	
	NAE			BRI		1N1635	ΔINRC	103	1N1684	ΔINRC	2222	
1N1606A	ΔINRC	3538a		CDE		1N1636	ΔINRC	270	1N1685	ΔINRC	2223	
	DIC			COL		1N1637	ΔINRC	376	1N1686	ΔINRC	2441	
	HSDI			FAN		1N1638	ΔINRC	482	1N1687	ΔINRC	2603	
	NAE			GESY		1N1639	ΔINRC	504	1N1688	ΔGESY	841	
	USS			GIC		1N1640	ΔINRC	105		BRA		
1N1607	ΔINRC	3571		SYN		1N1641	ΔINRC	271		BRI		
	DIC			TII		1N1642	ΔINRC	377		COL		
	FAN			TSC		1N1644	GIC	878a		GELC		
	GIC			VIC			DES			GIC		
	HSDI		1N1614	ΔBEN	1433		SCN			HUG		
	ITT			BRA			SEM			INRC		
	MOTA			BRI		1N1645	GIC	9485		ITT		
	NAE			CDE			SCN			KEM		
1N1607A	ΔINRC	3614n		COL			SEM			MOTA		
	DIC			FAN		1N1646	GIC	1191a		NAE		
	HSDI			GESY			SCN			RAYN		
	NAE			GIC		1N1647	GIC	13585		SCN		
	USS			SYN			SCN			SEM		
1N1608	ΔINRC	3683		TII			SEM			SYL		
	DIC			TSC		1N1648	GIC	1591a		SYN		
	FAN			VIC			SCN			TEC		
	GIC		1N1615	ΔBEN	2150		SEM			TII		
	HSDI			BRA		1N1649	GIC	17185				
	ITT			BRI			SCN			1N1693	ΔGESY	1352
	MOTA			CDE			SEM			BRA		
	NAE			COL		1N1650	GIC	1833		BRI		
1N1608A	ΔINRC	3688n		FAN			SCN			COL		
	DIC			GESY			SEM			GELC		
	HSDI			GIC		1N1651	GIC	20785		GIC		
	NAE			SYN			SCN			HUG		
	USS			TII			SEM			INRC		
1N1609	ΔINRC	3722		TSC			SEM			ITT		
	DIC			VIC		1N1652	GIC	23455		KEM		
	FAN			BRA			SCN			MOTA		
	GIC			BRI			SEM			NAE		
	HSDI			CDE		1N1653	GIC	2512a		RAYN		
	ITT			COL			SCN			SCN		
	MOTA			FAN			SEM			SYL		
	NAE			GESY		1N1654	ΔWESY	842		SYN		
				GIC			SYN			TEC		
				SYN		1N1655	ΔWESY	1139		TII		
				TII			SYN					
				TSC								
				VIC								



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INI1694	ΔGESY BRA BRI COL GELC GIC HUG INRC ITT KEM MOTA NAE RAYN SCN SEM SYL SYN TEC TII	1712	INI1703	INRC NAE SEM	1307	INI1734	ΔPSI BRA COL GIC HUG KEM NAE SAR TEC WSI	2917	INI1754	INRC BRA NAE	2915
			INI1704	INRC NAE SEM	1385				INI1755	INRC BRA NAE	2922
			INI1705	INRC NAE SEM	2020				INI1756	INRC BRA NAE	29225
			INI1706	INRC NAE SEM	2295	INI1735	ΔRSDI NAE WSI	3156	INI1757	INRC BRA NAE	2927
			INI1707	INRC DES NAE	842	INI1736	ΔRSDI NAE WSI	3472	INI1758	INRC BRA NAE	2928
			INI1708	INRC NAE	898	INI1738A	ΔRSDI NAE	3473	INI1759	INRC BRA NAE	2931
			INI1709	INRC NAE	1308	INI1737	ΔRSDI NAE	3626	INI1760	INRC BRA NAE	2936
INI1695	ΔGESY BRA BRI COL GELC GIC HUG INRC ITT KEM MOTA NAE RAYN SCN SEM SYL SYN TEC TII	2072F	INI1710	INRC NAE	1686	INI1737A	ΔRSDI NAE	3627	INI1761	INRC BRA NAE	2939
			INI1711	INRC NAE	2021	INI1738	ΔRSDI NAE	3717	INI1762	INRC BRA NAE	2941
			INI1712	INRC NAE	2298	INI1738A	RSDI NAE	3718	INI1763	ΔRCAS ATLB BRI ESP GIC HUG RAYN SCN SEM	2980
			INI1730	ΔPSI BRA COL GIC HUG KEM INRC NAE SAR WSI	2752	INI1739	ΔRSDI NAE	3794			
						INI1739A	ΔRSDI NAE	3795			
						INI1740	ΔRSDI NAE	3819			
						INI1740A	ΔRSDI NAE	3820			
			INI1731	ΔPSI BRA COL GIC HUG INRC KEM SAR WSI	2837	INI1741	ΔRSDI NAE	3847	INI1764	ΔRCAS ATLB BRI ESP GIC HUG RAYN SCN SEM	2934
						INI1741A	ΔRSDI NAE	3848			
INI1696	ΔGESY GELC BRA BRI COL GIC MOTA RAYN SEM TII	2342c				INI1742	ΔRSDI NAE	3877	INI1765	ΔRSDI GESY GIC NAE TEC	3083
						INI1742A	ΔRSDI NAE	3878	INI1766	ΔRSDI GESY GIC NAE TEC	3136
						INI1743	ΔWEC	3387e			
						INI1744	ΔWEC	3387f	INI1767	ΔRSDI GESY DIC GIC NAE TEC	3164
						INI1745	INRC BRA NAE	2844	INI1768	ΔRSDI DIC GESY GIC NAE TEC	3221
			INI1732	ΔPSI BRA COL GIC HUG INRC KEM NAE SAR WSI	2885	INI1746	INRC BRA NAE	2847	INI1769	ΔRSDI DIC GESY GIC NAE TEC	3245
INI1697	ΔGESY BRA BRI COL GELC GIC MOTA RAYN SEM TII	2509c				INI1747	INRC BRA NAE	2873			
						INI1748	INRC BRA NAE	2875			
			INI1733	ΔPSI BRA COL GIC HUG INRC KEM NAE SAR WSI	2905	INI1749	INRC BRA NAE	2899			
INI1698	ΔINRC	2824				INI1750	INRC BRA NAE	2900a			
INI1699	ΔINRC	2934				INI1751	INRC BRA NAE	2909			
INI1700	ΔINRC	2937				INI1752	INRC BRA NAE	2908			
INI1701	INRC DES NAE SEM	841				INI1753	INRC BRA NAE	2916			
INI1702	INRC NAE SEM	897									

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
INI1770	ΔHSDI DIC GESY GIC NAE TEC	3307	INI1781	ΔHSDI ASC DIC GIC INRC NAE TEC	3745	INI1794	ΔHSDI ASC DIC GIC TEC	3971e	INI1809	ΔHSDI DIC ESP MOTA TEC USS	4001
INI1771	ΔHSDI ASC DIC GESY GIC NAE TEC	3341	INI1782	ΔHSDI ASC DIC GIC NAE TEC	3789	INI1795	ΔHSDI ASC DIC GIC TEC	3985	INI1810	ΔHSDI DIC ESP MOTA TEC USS	4008
INI1772	ΔHSDI ASC DIC GESY GIC NAE TEC	3408	INI1783	ΔHSDI ASC DIC GIC NAE TEC	3779	INI1796	ΔHSDI DIC GIC TEC	4000	INI1811	ΔHSDI DIC ESP MOTA TEC USS	4018
INI1773	ΔHSDI ASC DIC GESY GIC NAE TEC	3423	INI1784	ΔHSDI ASC DIC GIC NAE TEC	3802	INI1797	ΔHSDI DIC GIC TEC	4005	INI1812	ΔHSDI DIC ESP MOTA TEC USS	4032
INI1774	ΔHSDI ASC DIC GESY GIC NAE TEC	3487	INI1785	ΔHSDI ASC DIC GIC NAE TEC	3815	INI1798	ΔHSDI DIC GIC TEC	4017	INI1813	ΔHSDI DIC ESP MOTA TEC USS	4038
INI1775	ΔHSDI ASC DIC GESY GIC NAE TEC	3517	INI1786	ΔHSDI ASC DIC GIC NAE TEC	3839	INI1800	ΔHSDI DIC GIC TEC	4037	INI1814	ΔHSDI DIC ESP MOTA TEC USS	4048
INI1776	ΔHSDI ASC DIC GESY GIC NAE TEC	3546	INI1787	ΔHSDI ASC DIC GIC TEC	3853	INI1801	ΔHSDI DIC GIC TEC	4045	INI1815	ΔHSDI DIC ESP MOTA TEC USS	4075
INI1777	ΔHSDI ASC DIC GIC INRC NAE TEC	3596	INI1788	ΔHSDI ASC DIC GIC TEC	3871	INI1802	ΔHSDI DIC GIC TEC	4074	INI1816	ΔTII DIC DIO ESP GIC HSDI MOTA NAE	3488
INI1778	ΔHSDI ASC DIC GIC NAE TEC	3631	INI1789	ΔHSDI ASC DIC GIC TEC	3885	INI1803	ΔHSDI NAE SAR TEC	3083a	INI1817	ΔTII DIC DIO ESP GIC HSDI MOTA NAE TIIB USS	3485
INI1779	ΔHSDI ASC DIC GIC NAE TEC	3658	INI1790	ΔHSDI ASC DIC GIC TEC	3904	INI1804	ΔHSDI INRC NAE SAR TEC	3136a	INI1818	ΔTII DIC DIO ESP GIC HSDI MOTA NAE TIIB USS	3518
INI1780	ΔHSDI ASC DIC GIC NAE TEC	3703	INI1791	ΔHSDI ASC DIC GIC TEC	3918	INI1805	ΔHSDI DIC NAE SAR TEC USS	3185	INI1819	ΔTII DIC DIO ESP GIC HSDI MOTA NAE TIIB USS	3542
			INI1792	ΔHSDI ASC DIC GIC TEC	3937	INI1806	ΔHSDI DIC MOTA NAE SAR TEC USS	3222			
			INI1793	ΔHSDI ASC DIC GIC TEC	3948	INI1807	ΔHSDI DIC INRC MOTA NAE SAR TEC USS	3246			
						INI1808	ΔHSDI DIC ESP GIC MOTA NAE SAR TEC USS	3307a			

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN1817C	TII	3519	IN1822	ΔTII	3704	IN1826	ΔTII	3803	IN1830	ESP	
IN1818	TIIB			DIC			DIC		(cont.)	GIC	
	ΔTII	3547		DIO			DIO			HSDI	
	DIC			ESP			ESP			MOTA	
	DIO			GIC			GIC		IN1830A	TIIB	3875
	ESP			HSDI			HSDI			DIC	
	GIC			MOTA			MOTA			GIC	
	HSDI		IN1822A	TIIB	3710	IN1823A	TIIB	3805A		HSDI	
	MOTA			NAE			NAE		IN1830C	TIIB	3873
	NAE			TIIB			TIIB			TII	3873
	TIIB			DIC			DIC		IN1831	TIIB	
IN1818A	ΔTII	3555		GIC			GIC			TII	3888
	DIC			HSDI			HSDI			TIIB	
	GIC			TIIB			TIIB			ΔTII	3888
	HSDI		IN1822C	USS	3705	IN1826C	USS	3804		DIC	
	TIIB			TII			TII			DIO	
	USS			TIIB			TIIB			ESP	
IN1818C	TII	3548	IN1823	ΔTII	3748	IN1827	ΔTII	3818		GIC	
	TIIB			DIC			DIC			HSDI	
IN1819	ΔTII	3597		DIO			DIO			MOTA	
	DIC			ESP			ESP			TIIB	
	DIO			GIC			GIC		IN1831A	ΔTII	3858
	ESP			HSDI			HSDI			DIC	
	GIC			MOTA			MOTA			GIC	
	HSDI			NAE			NAE			HSDI	
	MOTA			TIIB			TIIB			TIIB	
	NAE		IN1823A	ΔTII	3757	IN1827A	ΔTII	3831		USS	
	TIIB			DIC			DIC		IN1831C	TII	3887
IN1819A	TII	3615		GIC			GIC			TIIB	3805
	DIC			HSDI			HSDI			ΔTII	3805
	GIC			TIIB			TIIB			DIC	
	HSDI			USS			USS			DIO	
	TIIB		IN1823C	TII	3747	IN1827C	TII	3817		ESP	
	USS			TIIB			TIIB			GIC	
IN1819C	TII	3598	IN1824	ΔTII	3770	IN1828	ΔTII	3840		HSDI	
	TIIB			DIC			DIC			MOTA	
IN1820	ΔTII	3632		DIO			DIO		IN1832A	ΔTII	3808
	DIC			ESP			ESP			DIC	
	DIO			GIC			GIC			GIC	
	ESP			HSDI			HSDI			HSDI	
	GIC			MOTA			MOTA			TIIB	
	HSDI			NAE			NAE			USS	
	MOTA			TIIB			TIIB		IN1832C	TII	3808
	NAE		IN1824A	ΔTII	3773	IN1828A	ΔTII	3845		TIIB	
	TIIB			DIC			DIC		IN1833	ΔTII	3817
IN1820A	ΔTII	3641		GIC			GIC			DIC	
	DIC			HSDI			HSDI			DIO	
	GIC			TIIB			TIIB			ESP	
	HSDI			USS			USS			GIC	
	TIIB			TII			TII			HSDI	
	USS		IN1824C	TIIB	3771	IN1828C	TIIB	3841		MOTA	
IN1820C	TII	3833		TIIB			TIIB			TIIB	
	TIIB		IN1825	ΔTII	3780	IN1829	ΔTII	3854		ESP	
IN1821	ΔTII	3857		DIC			DIC		IN1833A	ΔTII	3828
	DIC			DIO			DIO			DIC	
	DIO			ESP			ESP			GIC	
	ESP			GIC			GIC			HSDI	
	GIC			HSDI			HSDI			TIIB	
	HSDI			MOTA			MOTA			USS	
	MOTA			NAE			NAE		IN1833C	TII	3818
	NAE		IN1825A	ΔTII	3798	IN1829A	ΔTII	3865		TIIB	
	TIIB			DIC			DIC		IN1834	ΔTII	3838
IN1821A	ΔTII	3889		GIC			GIC			DIC	
	DIC			HSDI			HSDI			DIO	
	GIC			TIIB			TIIB			ESP	
	HSDI			USS			USS			GIC	
	TIIB			TII			TII			HSDI	
	USS		IN1825C	TIIB	3781	IN1829C	TIIB	3855		MOTA	
IN1821C	TII	3858		TIIB			TIIB		IN1830	ΔTII	3872
	TIIB									DIC	
										DIO	

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN1834A	ΔTII DIC GIC HSDI TIIB USS	3942	IN1892	ΔUSS DIC	3361	IN1933	GIC HUG WSI (cont.)		IN1983	ΔUSS CCA WSI	3093
IN1834C	TII TIIB	3939	IN1893	ΔUSS DIC	3429	IN1934	ΔUSS CDC GIC HUG WSI	3498	IN1984	ΔUSS CCA WSI	3179
IN1835	ΔTII DIC DIO ESP GIC HSDI MOTA TIIB	3949	IN1894	ΔUSS DIC	3495	IN1935	ΔUSS CDC GIC HUG WSI	3574	IN1985	ΔUSS CCA	3257
IN1835A	ΔTII DIC GIC HSDI TIIB USS	3961	IN1895	ΔUSS DIC	3573	IN1936	ΔUSS CDC GIC HUG WSI	3666	IN1986	ΔUSS CCA WSI	3364
IN1835C	TII TIIB	3950	IN1896	ΔUSS DIC	3724	IN1937	ΔUSS CDC GIC HUG WSI	3725	IN1987	ΔUSS CCA WSI	3432
IN1836	ΔTII DIC DIO ESP GIC HSDI MOTA TIIB	3985	IN1897	ΔUSS DIC	3784	IN1938	ΔUSS CDC GIC HUG WSI	3785	IN1988	ΔUSS CCA WSI	3498
IN1836A	ΔTII DIC GIC HSDI TIIB USS	3975	IN1898	ΔUSS DIC	3822	IN1939	ΔUSS CDC GIC HUG WSI	3823	IN1989	ΔUSS CCA WSI	3578
IN1836C	ΔTII TIIB	3988	IN1899	ΔUSS DIC	3858	IN1940	ΔUSS GIC HUG WSI	3859	IN1990	ΔUSS CCA WSI	3688
IN1838	ΔPILL	4398	IN1900	ΔUSS DIC	3858	IN1941	ΔUSS GIC HUG WSI	3891	IN1991	ΔUSS CCA WSI	3727
IN1875	ΔUSS CCA	3253	IN1901	ΔUSS DIC	3850	IN1942	ΔUSS GIC WSI	3922	IN1992	ΔUSS CCA WSI	3787
IN1876	ΔUSS CCA	3380	IN1902	ΔUSS DIC	3921	IN1943	ΔUSS GIC WSI	3955	IN1993	ΔUSS CCA WSI	3825
IN1877	ΔUSS CCA	3428	IN1903	ΔUSS DIC	3954	IN1944	ΔUSS GIC WSI	3991	IN1994	ΔUSS CCA WSI	3881
IN1878	ΔUSS CCA	3494	IN1904	ΔUSS DIC	3990	IN1945	ΔUSS GIC WSI	4066n	IN1995	ΔUSS CCA WSI	3893
IN1879	ΔUSS CCA	3572	IN1905	ΔUSS DIC	701a	IN1946	GIC WSI	4023	IN2008	ΔTII DIC ESP HSDI TIIB	3985a
IN1880	ΔUSS CCA	3664	IN1906	ΔUSS DIC	975a	IN1947	GIC WSI	4039a	IN2008A	TII	3994
IN1881	ΔUSS CCA	3723	IN1907	ΔUSS DIC	1389a	IN1948	GIC WSI	4093	IN2008C	TII TIIB	3985b
IN1882	ΔUSS CCA	3783	IN1908	ΔUSS DIC	1748a	IN1949	GIC WSI	4095	IN2009	ΔTII DIC ESP HSDI TIIB USS	4001a
IN1883	ΔUSS CCA	3821	IN1909	ΔUSS DIC	2107a	IN1950	GIC WSI	4096	IN2009A	TII DIC HSDI TIIB	4003
IN1884	ΔUSS CCA	3857	IN1910	ΔUSS DIC	2388b	IN1951	GIC WSI	4097a			
IN1885	ΔUSS CCA	3889	IN1911	ΔUSS DIC	2633a	IN1952	GIC WSI	4098			
IN1886	ΔUSS CCA	3920	IN1912	ΔUSS DIC	2631a	IN1953	GIC WSI	4099			
IN1887	ΔUSS CCA	3953	IN1913	ΔUSS DIC	720	IN1954	ΔUSS CCA WSI	2993			
IN1888	ΔUSS CCA	3989	IN1914	ΔUSS DIC	1011	IN1955	ΔUSS CCA WSI	3035			
IN1891	ΔUSS DIC	3254	IN1915	ΔUSS DIC	1428a						
			IN1916	ΔUSS DIC	1789						
			IN1917	ΔUSS DIC	2145a						
			IN1918	ΔUSS DIC	2399a						
			IN1919	ΔUSS DIC	2561a						
			IN1920	ΔUSS DIC	2642b						
			IN1921	ΔUSS DIC	2891						
			IN1922	ΔUSS DIC	3033						
			IN1923	ΔUSS DIC	3091						
			IN1924	ΔUSS DIC	3091						
			IN1925	ΔUSS DIC	3091						
			IN1926	ΔUSS DIC	3091						
			IN1927	ΔUSS DIC	3091						
			IN1928	ΔUSS DIC	3091						
			IN1929	ΔUSS DIC	3091						
			IN1930	ΔUSS DIC	3177						
			IN1931	ΔUSS DIC	3255						
			IN1932	ΔUSS DIC	3382						
			IN1933	ΔUSS DIC	3430						
			(cont. next col.)								

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN2009C	TII TIIB	4001b	IN2023	TEC GIC NAE	1814a	IN2041B	ATEC MOTA	3067c	IN2046C	ATEC MOTA NAE	3506f
IN2010	ΔTII DIC ESP HSDI TIIB USS	4008a	IN2024	TEC GIC NAE SYN	1938g	IN2042	TEC MOTA NAE	3107	IN2047	TEC DIC GIC HSDI MOTA NAE	3525
IN2010A	TII DIC HSDI TIIB	4015d	IN2025	TEC GIC NAE SYN	2169a	IN2042A	ATEC MOTA NAE	3111g	IN2047A	ATEC GIC HSDI MOTA NAE	3538a
IN2010C	TII TIIB	4008b	IN2026	TEC BRA GIC NAE SCN SYN	685a	IN2043	ATEC MOTA TEC DIC GIC HSDI MOTA NAE	3137f	IN2047B	ATEC MOTA NAE	3555a
IN2011	ΔTII DIC ESP HSDI TIIB USS	4018a	IN2027	TEC BRA GIC NAE SCN SYN	1371b	IN2043A	ATEC GIC HSDI MOTA NAE	3166g	IN2047C	ATEC MOTA NAE	3587c
IN2011A	TII DIC HSDI TIIB	4020	IN2028	TEC BRA GIC NAE SCN SYN	1730b	IN2043B	ATEC MOTA NAE	3211s	IN2048	TEC DIC GIC HSDI MOTA NAE	3611
IN2011C	TII TIIB	4018b	IN2029	TEC BRA GIC NAE SCN SYN	2091b	IN2043C	ATEC MOTA NAE	3228a	IN2048A	ATEC GIC HSDI MOTA NAE	3616
IN2012	ΔTII DIC ESP HSDI TIIB USS	4032a	IN2030	TEC BRA GIC NAE SCN SYN	2352d	IN2044	TEC DIC GIC HSDI MOTA NAE	3271	IN2048B	ATEC MOTA NAE	3634h
IN2012A	TII DIC HSDI TIIB	4035f	IN2031	TEC BRA GIC NAE SCN SYN	2515c	IN2044A	ATEC GIC HSDI MOTA NAE	3274e	IN2048C	ATEC MOTA NAE	3641a
IN2012C	TII TIIB	4032b	IN2032	TEC NAE	3047	IN2044B	ATEC MOTA NAE	3295d	IN2049	TEC DIC GIC HSDI MOTA NAE	3682
IN2013	TEC DES NAE	643a	IN2033	TEC NAE	3106	IN2044C	ATEC MOTA NAE	3319f	IN2049A	ATEC GIC HSDI MOTA NAE	3690
IN2014	TEC NAE	902a	IN2034	TEC BRA GIC NAE SCN SYN	3191	IN2044D	ATEC MOTA NAE	3350f	IN2049B	ATEC MOTA NAE	3711a
IN2015	TEC GIC NAE	1177	IN2035	TEC NAE	3270	IN2045	MOTA NAE TEC DIC GIC HSDI MOTA NAE	3347	IN2049C	ATEC MOTA NAE	3745
IN2016	TEC GIC NAE	1312a	IN2036	TEC NAE	3346	IN2045A	ATEC GIC HSDI MOTA NAE	3387g	IN2054	ΔINRC SYN	847a
IN2017	TEC GIC NAE	1581	IN2037	TEC NAE	3445	IN2045B	ATEC MOTA NAE	3410a	IN2055	ΔINRC SYN	1145b
IN2018	TEC GIC NAE	1676a	IN2038	TEC NAE	3524	IN2046	TEC DIC GIC HSDI MOTA NAE	3446	IN2056	ΔINRC SYN	1287b
IN2019	TEC GIC NAE	1928	IN2039	TEC NAE	3610	IN2048A	ATEC GIC HSDI MOTA NAE	3453e	IN2057	ΔINRC SYN	1553a
IN2020	TEC GIC NAE	2025a	IN2040	TEC NAE	3681	IN2048B	ATEC GIC HSDI MOTA NAE	3477p	IN2058	ΔINRC SYN	1644a
IN2021	TEC GIC NAE SYN	1225g	IN2041	TEC MOTA NAE	3048	IN2048C	ATEC GIC HSDI MOTA NAE		IN2059	ΔINRC SYN	1916a
IN2022	TEC GIC NAE SYN	1596g	IN2041A	ATEC MOTA NAE	3022h				IN2060	ΔINRC SYN	1983a
									IN2061	ΔINRC SYN	2274a
									IN2062	ΔINRC	2287a
									IN2063	ΔINRC	2460h

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN2069	ΔTII DES ERI GIC MAL SAR SEM SYL TEC	1359	IN2083	ΔCOL BRA BRI GIC RDR SCN SEM	1703	IN2114	ΔUSS TSC	2380	IN2149	ΔBRA COL	1447a
IN2070	ΔTII DES ERI GIC MAL SAR SEM SYL TEC	2079	IN2084	ΔCOL BRA BRI GIC RDR SCN SEM	2081	IN2115	SEM	1998	IN2149A	ΔBRA COL	1447b
IN2071	ΔTII DES ERI GIC MAL SAR SEM SYL TEC	2513	IN2085	ΔCOL BRA BRI GIC SCN SEM	2335	IN2116	ΔINRC	2277	IN2150	ΔBRA COL	1808b
IN2072	GIC DES SEM	879	IN2086	ΔCOL BRA BRI GIC SCN SEM	2503	IN2117	ΔTII	2657a	IN2150A	ΔBRA COL	1808c
IN2073	GIC SEM	947	IN2087	ΔCOL BRA BRI GIC SCN SEM	2503	IN2118	ΔSYL	4430	IN2151	ΔBRA COL	2183b
IN2074	GIC SEM	1152	IN2088	ΔCOL BRA BRI GIC SCN SEM	2503	IN2119	MIC		IN2151A	ΔBRA COL	2183c
IN2075	GIC DES SEM	1380	IN2089	ΔMAL DES SEM	870	IN2120	SYL	4430a	IN2152	ΔBRA COL	2405a
IN2076	GIC SEM	1592	IN2090	ΔMAL SEM	835	IN2121	ΔINRC	813a	IN2152A	ΔBRA COL	2405b
IN2077	GIC DES SEM	1719	IN2091	ΔMAL SEM	835	IN2122	GIC	1110b	IN2153	ΔBRA COL	2571
IN2078	GIC DES SEM	2080	IN2092	ΔMAL SEM	1345	IN2123	ΔINRC	1110c	IN2153A	ΔBRA COL	2572
IN2079	GIC DES SEM	2348	IN2093	ΔMAL SEM	1704	IN2124	GIC	1270a	IN2154	ΔGESY BRI COL GIC NAE SYN TSC	788
IN2080	ΔCOL BRA BRI DES GIC RDR SCN SEM	889	IN2094	ΔMAL SEM	2082	IN2125	ΔINRC	1523b	IN2155	ΔGESY BRI COL GIC NAE SYN TSC	1085
IN2081	ΔCOL BRA BRI DES GIC RDR SCN SEM	934	IN2095	ΔMAL SEM	2336	IN2126	GIC	1628a	IN2156	ΔGESY BRI COL GIC NAE SYN TSC	1455
IN2082	ΔCOL BRA BRI DES GIC RDR SCN SEM	1344	IN2096	ΔMAL SEM	2504	IN2127	ΔINRC	1628b	IN2157	ΔGESY BRI COL GIC NAE SYN TSC	1880
			IN2102	ΔMIC	4433a	IN2128	ΔINRC	1628c	IN2158	ΔGESY BRI COL GIC NAE SYN TSC	2213
			IN2103	ΔUSS DES SEM	880	IN2129	GIC	1967a	IN2159	ΔGESY BRI COL GIC NAE SYN TSC	2435
			IN2104	ΔUSS DES SEM	848	IN2130	ΔINRC	1967b	IN2160	ΔGESY BRI COL GIC NAE SYN TSC	2568
			IN2105	ΔUSS DES SEM	1381	IN2131	GIC	1523c			
			IN2106	ΔUSS DES SEM	1720	IN2132	ΔINRC	1523d			
			IN2107	ΔUSS DES SEM	2081	IN2133	ΔINRC	1628d			
			IN2108	ΔUSS DES SEM	2347	IN2134	GIC	1885b			
			IN2109	ΔUSS TSC	713	IN2135	ΔINRC	1885c			
			IN2110	ΔUSS TSC	953	IN2136	ΔINRC	1967c			
			IN2111	ΔUSS TSC	1408	IN2137	GIC	1967d			
			IN2112	ΔUSS TSC	1787	IN2138	ΔINRC	2241b			
			IN2113	ΔUSS TSC	2128	IN2139	ΔINRC	2241c			
						IN2140	ΔINRC	2241d			
						IN2141	GESY GIC	2284a			
						IN2142	ΔINRC	2284b			
						IN2143	SYN	2284c			
						IN2144	ΔINRC	2284d			
						IN2145	ΔINRC	2447a			
						IN2146	ΔINRC	2447b			
						IN2147	ΔINRC	2447c			
						IN2148	ΔINRC	2609c			
						IN2149	ΔINRC	2609d			
						IN2150	INRC	2942			
						IN2151	BRA				
						IN2152	WEC	4278a			
						IN2153	DES				
						IN2154	ΔBRA COL	741b			
						IN2155	ΔBRA COL	741c			
						IN2156	ΔBRA COL	1030b			
						IN2157	ΔBRA COL	1030c			

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN2163	ΔUSS	3329	IN2225A	ΔCOL	2769	IN2234A	COL	2152	IN2243	ΔCOL	2779
IN2163A	ΔUSS	3374		BRA			BRA			BRA	
IN2164	ΔUSS	3330		BRI			BRI			BRI	
IN2164A	ΔUSS	3375		DES			TSC			SCN	
IN2165	ΔUSS	3331	IN2228	COL	2802	IN2235	ΔCOL	2153	IN2243A	ΔCOL	2780
IN2165A	ΔUSS	3376		BRI			BRA			BRA	
IN2166	ΔUSS	3332		SCN			BRI			BRI	
IN2166A	ΔUSS	3377	IN2228A	COL	2803	IN2235A	ΔCOL	2154	IN2244	COL	2808
IN2167	ΔUSS	3333		BRI			BRA			BRI	
IN2167A	ΔUSS	3378	IN2227	ΔCOL	2804		BRI			COL	2809
IN2168	ΔUSS	3334		BRI			SCN			BRI	
IN2168A	ΔUSS	3379		SCN		IN2236	COL	2400	IN2245	ΔCOL	2810
IN2169	ΔUSS	3335	IN2227A	ΔCOL	2805		BRA			BRI	
IN2169A	ΔUSS	3380		BRI			BRI			ΔCOL	2811
IN2170	ΔUSS	3336		SCN			COL	2401	IN2245A	ΔCOL	2811
IN2170A	ΔUSS	3381	IN2228	COL	728		BRA			BRI	
IN2171	ΔUSS	3337		BRA			TSC			COL	747
IN2171A	ΔUSS	3382		BRI		IN2236A	COL	2401	IN2246	COL	747
IN2175	ΔTII	4579d		SYN			BRA			BRI	
IN2216	COL	702		TSC			BRI			SYN	
	BRA		IN2228A	COL	729		TSC			TSC	
IN2217	ΔCOL	703		BRA		IN2237	ΔCOL	2402	IN2246A	COL	748
	BRA			BRI			BRA			BRA	
	SCN		IN2229	ΔCOL	730		BRI			BRI	
IN2218	COL	2387		BRA		IN2237A	ΔCOL	2403	IN2247	ΔCOL	749
	BRA			BRI			BRA			BRA	
	BRI		IN2229A	ΔCOL	731		BRI			BRI	
IN2219	ΔCOL	2388		SCN		IN2238	COL	2583	IN2247A	ΔCOL	750
	BRA			BRA			BRA			BRA	
	BRI		IN2230	COL	1434		BRI			BRI	
	SCN			BRA		IN2238A	COL	2584	IN2248	COL	1039
IN2220	COL	2534		BRI			BRA			BRA	
	BRA		IN2230A	COL	1435		BRI			BRI	
	BRI			TSC		IN2239	ΔCOL	2585		TSC	
IN2221	ΔCOL	2535		BRA			BRA			ΔCOL	1041
	BRA		IN2231	ΔCOL	1436		BRI			BRA	
	BRI			BRA		IN2239A	ΔCOL	2586	IN2248A	COL	1040
	SCN			BRI			BRA			BRA	
IN2222	COL	2687		SCN			BRI			BRI	
	BRA		IN2231A	ΔCOL	1437		SCN			TSC	
	BRI			BRA		IN2240	COL	2711	IN2249	ΔCOL	1041
	DES			BRI			BRA			BRA	
IN2222A	COL	2688		SCN		IN2240A	COL	2712	IN2249A	ΔCOL	1042
	BRA		IN2232	COL	1794		BRA			BRA	
	BRI			BRA			BRI			BRI	
	DES			BRI		IN2241	ΔCOL	2713	IN2250	COL	1455
IN2223	ΔCOL	2689		SCN			BRA			BRA	
	BRA		IN2232A	ΔCOL	1795		BRI			BRI	
	BRI			BRA		IN2241A	ΔCOL	2714	IN2250A	COL	1456
	DES			BRI			BRA			BRA	
	SCN		IN2233	ΔCOL	1796		BRI			BRI	
IN2223A	ΔCOL	2689a		BRA		IN2242	COL	2777	IN2251	ΔCOL	1457
	BRA			BRI			BRA			BRA	
	BRI			SCN		IN2242A	COL	2778	IN2251A	ΔCOL	1458
	DES		IN2233A	COL	1797		BRA			BRA	
	SCN			BRA			BRI			BRI	
IN2224	COL	2787		BRI		IN2252	COL	1815	IN2252A	COL	1815
	BRA			SCN			BRA			BRA	
	BRI		IN2234	COL	2151		BRI			BRI	
	DES			BRA			COL			TSC	
IN2224A	COL	2788		BRI			BRA			BRA	
	BRA			SCN		IN2242A	COL	2778	IN2252A	COL	1816
	BRI			BRA			BRA			BRA	
	DES			BRI			BRI			BRI	
IN2225	ΔCOL	2788a		SCN			COL			TSC	
	BRA			BRA			BRA			BRA	
	BRI			BRI			BRI			BRI	
	DES			TSC			BRI			TSC	
	SCN			BRA			BRI			TSC	







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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN2499A	ΔTII DIC HSDI USS	3410b	IN2517	ΔRAYN BRA GIC NAE SCN	2581b	IN2544	ΔBRA SCN	2742y	IN2601	ΔBRA	1834c
IN2499C	TII	3408b				IN2545	ΔBRA SCN	2774b	IN2602	ΔBRA	2188c
IN2500	ΔTII DIC ESP HSDI	3423a	IN2518	RAYN BRA GIC SCN	1011b	IN2546	ΔBRA SCN	714c	IN2603	ΔBRA	2425c
IN2500A	ΔTII DIC HSDI USS	3453f	IN2518	RAYN BRA GIC SCN	1428c	IN2547	ΔBRA SCN	995c	IN2604	ΔBRA	2586a
IN2500C	TII	3423b	IN2520	RAYN BRA GIC SCN	1789b	IN2548	ΔBRA SCN	1410c	IN2605	ΔBRA	2645c
IN2501	NAE BRA DES GIC SEM TEC	2887b	IN2521	RAYN BRA GIC SCN	2145c	IN2549	ΔBRA SCN	1770c	IN2606	ΔBRA	2724b
IN2502	NAE BRA DES GIC SEM TEC	2749b	IN2522	RAYN BRA GIC SCN	2399c	IN2550	ΔBRA SCN	2127d	IN2607	ΔBRA	2749t
IN2503	NAE GIC TEC	2793c	IN2523	RAYN BRA GIC SCN	2581c	IN2551	ΔBRA SCN	2382d	IN2608	ΔBRA	2787c
IN2504	NAE GIC TEC	2834c	IN2524	ΔBRA SCN	714a	IN2552	ΔBRA SCN	2548d	IN2610	MOTA SEM	548a
IN2505	NAE BRA DES GIC SEM TEC	2878a	IN2525	ΔBRA SCN	995a	IN2553	ΔBRA SCN	2637d	IN2611	MOTA SEM	1381c
IN2506	TEC BRA DES GIC NAE SEM	2755	IN2526	ΔBRA SCN	1410a	IN2554	ΔBRA SCN	2704b	IN2612	MOTA SEM	1721a
IN2507	TEC GIC NAE	2798	IN2527	ΔBRA SCN	1770a	IN2555	ΔBRA SCN	2742z	IN2613	MOTA SEM	2083
IN2508	TEC GIC NAE	2840a	IN2528	ΔBRA SCN	2127b	IN2556	ΔBRA SCN	2774c	IN2614	MOTA SEM	2347b
IN2509	ΔMIC	4370c	IN2529	ΔBRA SCN	2382b	IN2557	ΔBRA	2843b	IN2615	MOTA SEM	2514c
IN2510	ΔSYL	4383a	IN2530	ΔBRA SCN	2548b	IN2558	ΔBRA	2716	IN2616	MOTA	2885g
IN2512	ΔRAYN BRA GIC NAE SCN	1011a	IN2531	ΔBRA SCN	2637b	IN2559	ΔBRA	2743h	IN2617	MOTA	2764a
IN2513	ΔRAYN BRA GIC NAE SCN	1428b	IN2532	ΔBRA SCN	2704	IN2560	ΔBRA	2743i	IN2620	ΔMOTA DIC	3328a
IN2514	ΔRAYN BRA GIC NAE SCN	1789a	IN2533	ΔBRA SCN	2742x	IN2561	ΔBRA	2643c	IN2620A	ΔMOTA DIC	3328b
IN2515	ΔRAYN BRA GIC NAE SCN	2145b	IN2534	ΔBRA SCN	2774a	IN2562	ΔBRA	2717	IN2620B	ΔMOTA DIC	3328c
IN2516	ΔRAYN BRA GIC NAE SCN	2399b	IN2535	ΔBRA SCN	714b	IN2563	ΔBRA	2743j	IN2621	ΔMOTA DIC	3328d
			IN2536	ΔBRA SCN	995b	IN2564	ΔBRA	2782	IN2621A	ΔMOTA DIC	3328e
			IN2537	ΔBRA SCN	1410b	IN2565	ΔBRA	742a	IN2621B	ΔMOTA DIC	3328f
			IN2538	ΔBRA SCN	1770b	IN2566	ΔBRA	1031	IN2622	ΔMOTA DIC	3328g
			IN2539	ΔBRA SCN	2127c	IN2567	ΔBRA	1448a	IN2622A	ΔMOTA DIC	3328h
			IN2540	ΔBRA SCN	2382c	IN2568	ΔBRA	1807a	IN2622B	ΔMOTA DIC	3328i
			IN2541	ΔBRA SCN	2548c	IN2569	ΔBRA	2184a	IN2623	ΔMOTA DIC	3328j
			IN2542	ΔBRA SCN	2637c	IN2570	ΔBRA	2410a	IN2623A	ΔMOTA DIC	3328k
			IN2543	ΔBRA SCN	2704a	IN2571	ΔBRA	2573a	IN2623B	ΔMOTA DIC	3328l
						IN2572	ΔBRA	2643d	IN2624	ΔMOTA DIC	3328m
						IN2573	ΔBRA	2717a	IN2624A	ΔMOTA DIC	3328n
						IN2574	ΔBRA	2743k	IN2624B	ΔMOTA DIC	3328o
						IN2575	ΔBRA	2782a	IN2627	HUG	460b
						IN2576	ΔBRA	762a	IN2628	HUG	460c
						IN2577	ΔBRA	1056a	IN2629	HUG	4606a
						IN2578	ΔBRA	1472a	IN2630	INRC GIC	2831b
						IN2579	ΔBRA	1834a	IN2631	INRC GIC	2880a
						IN2580	ΔBRA	2188a	IN2632	INRC GIC	2901a
						IN2581	ΔBRA	2425a	IN2633	INRC GIC	2880b
						IN2582	ΔBRA	2585	IN2634	INRC GIC	2880c
						IN2583	ΔBRA	2645a	IN2635	INRC GIC	2831c
						IN2584	ΔBRA	2724	IN2636	INRC GIC	2831d
						IN2585	ΔBRA	2743f	IN2637	INRC	2923a
						IN2586	ΔBRA	2787a	IN2765	PSI	3204a
						IN2587	ΔBRA	762b			
						IN2588	ΔBRA	1056b			
						IN2589	ΔBRA	1472b			
						IN2590	ΔBRA	1834b			
						IN2591	ΔBRA	2188b			
						IN2592	ΔBRA	2425b			
						IN2593	ΔBRA	2586			
						IN2594	ΔBRA	2645b			
						IN2595	ΔBRA	2724a			
						IN2596	ΔBRA	2743g			
						IN2597	ΔBRA	2787b			
						IN2598	ΔBRA	762c			
						IN2599	ΔBRA	1056c			
						IN2600	ΔBRA	1472c			

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN2765A	PSI	3204b	IN2812	ΔMOTA	3449l	IN2835A	ΔMOTA	3939a	IN2861	BRA	
IN2766	PSI	3489a	IN2812A	ΔMOTA	3488a		HSDI		(cont.)	BRI	
IN2766A	PSI	3489b		HSDI		IN2836	ΔMOTA	3936f		RAYN	
IN2767	PSI	3649a	IN2813	ΔMOTA	3475e	IN2836A	ΔMOTA	3950a		SCN	
IN2767A	PSI	3649b	IN2813A	ΔMOTA	3519a		HSDI		IN2862	ΔRCAS	2653a
IN2768	PSI	3758		HSDI		IN2837	MOTA	3944b		ATLB	
IN2768A	PSI	3759	IN2814	ΔMOTA	3487g	IN2837A	ΔMOTA	3971f		BRA	
IN2769	PSI	3799e	IN2814A	ΔMOTA	3548a		HSDI			BRI	
IN2769A	PSI	3799f		HSDI		IN2838	ΔMOTA	3982u		RAYN	
IN2770	PSI	3842a	IN2815	ΔMOTA	3528j	IN2838A	ΔMOTA	3985c		SCN	
IN2770A	PSI	3842b	IN2815A	ΔMOTA	3562b		HSDI		IN2863	ΔRCAS	2347c
IN2771	ΔMIC	4425		HSDI		IN2839	ΔMOTA	3972h		BRA	
	KEM		IN2816	ΔMOTA	3549d	IN2839A	ΔMOTA	3993u		BRI	
IN2772	ΔBRA	2625a	IN2816A	ΔMOTA	3598a		HSDI			RAYN	
IN2773	ΔBRA	2682a		HSDI		IN2840	ΔMOTA	3978b		SCN	
IN2774	ΔBRA	2742	IN2817	ΔMOTA	3581c	IN2840A	ΔMOTA	4001c	IN2864	ΔRCAS	2514d
IN2775	ΔBRA	2762	IN2817A	ΔMOTA	3620e		HSDI			ATLB	
IN2776	ΔBRA	2792a		HSDI		IN2841	ΔMOTA	3994b		BRA	
IN2777	ΔBRA	2801a	IN2818	ΔMOTA	3585e	IN2841A	ΔMOTA	4006c		BRI	
IN2778	ΔBRA	2818c	IN2818A	ΔMOTA	3633a		HSDI			RAYN	
IN2779	ΔBRA	2819a		HSDI		IN2842	ΔMOTA	4001f		SCN	
IN2780	ΔBRA	2848	IN2819	ΔMOTA	3622i	IN2842A	ΔMOTA	4018c	IN2865	ΔUSS	2621a
IN2781	ΔBRA	2859	IN2819A	ΔMOTA	3658a		HSDI			DES	
IN2782	ΔSYL	4558c		HSDI		IN2843	ΔMOTA	4018a	IN2866	ΔUSS	2763
IN2784	ΔSYN	1501b	IN2820	ΔMOTA	3647c	IN2843A	ΔMOTA	4032c		DES	
IN2785	ΔSYN	2215b	IN2820A	ΔMOTA	3705a		HSDI		IN2867	ΔUSS	2621b
IN2786	ΔSYN	1485		HSDI		IN2844	ΔMOTA	4022		DES	
IN2787	ΔSYN	2195b	IN2821	ΔMOTA	3685h	IN2844A	ΔMOTA	4038a		WSI	
IN2788	ΔSYN	1523d	IN2821A	ΔMOTA	3709g		HSDI		IN2868	ΔUSS	2764
IN2789	ΔSYN	2241d		HSDI		IN2845	ΔMOTA	4038g		DES	
IN2790	WEC	3303a	IN2822	ΔMOTA	3706p	IN2845A	ΔMOTA	4047		WSI	
IN2791	ΔWEC	4328e	IN2822A	ΔMOTA	3747a		HSDI		IN2878	TII	2623a
	DES			HSDI		IN2846	ΔMOTA	4039f		DES	
IN2792	ΔPHLL	4413	IN2823	ΔMOTA	3737e	IN2846A	ΔMOTA	4076		GIC	
IN2793	ΔGIC	731a	IN2823A	ΔMOTA	3771a		HSDI		IN2879	TII	2635
	BRI			HSDI		IN2847	ΔGESY	935a		DES	
IN2794	ΔGIC	1020a	IN2824	ΔMOTA	3782e		BRA		IN2880	TII	2757a
	BRI		IN2824A	ΔMOTA	3781a		RAYN			DES	
IN2795	ΔGIC	1216a		HSDI		IN2848	ΔGESY	1345a	IN2881	TII	2757b
	BRI		IN2825	ΔMOTA	3774n		BRA			DES	
IN2796	ΔGIC	1437a	IN2825A	ΔMOTA	3804a		RAYN		IN2882	TII	2751a
	BRI			HSDI		IN2849	ΔGESY	1704a		TII	2791b
	VIC		IN2826	ΔMOTA	3795m		BRA		IN2883	TII	2818d
IN2797	ΔGIC	1593h	IN2826A	ΔMOTA	3817a		RAYN		IN2884	TII	2818e
	BRI			HSDI		IN2850	ΔGESY	2082a	IN2885	TII	2818e
IN2798	ΔGIC	1797a	IN2827	ΔMOTA	3809f		BRA		IN2886	TII	2838a
	BRI		IN2827A	ΔMOTA	3841a		RAYN		IN2887	TII	2838b
	VIC			HSDI		IN2851	ΔGESY	2336a	IN2888	TII	2868a
IN2799	ΔGIC	1933g	IN2828	ΔMOTA	3825f		BRA		IN2889	TII	2868b
IN2800	ΔGIC	2154a	IN2828A	ΔMOTA	3843a		RAYN		IN2890	TII	2885b
	VIC			HSDI		IN2852	ΔGESY	2504a	IN2891	TII	2885c
IN2801	WEC	4138b	IN2829	ΔMOTA	3832d		BRA			GIC	
IN2804	ΔMOTA	3129b	IN2829A	ΔMOTA	3855a		RAYN		IN2892	TII	2894a
IN2805	ΔMOTA	3161e		HSDI		IN2853	ΔRCAS	680a	IN2893	TII	2894b
	WSI		IN2830	ΔMOTA	3842f		BRA		IN2894	TII	2901a
IN2806	ΔMOTA	3211k	IN2830A	ΔMOTA	3868a		BRI		IN2895	TII	2901b
IN2807	ΔMOTA	3237e		HSDI			RAYN		IN2896	TII	2901c
IN2808	ΔMOTA	3297d	IN2831	ΔMOTA	3844		SCN		IN2897	TII	2901d
IN2808A	ΔMOTA	3341c	IN2831A	ΔMOTA	3873a	IN2859	ΔRCAS	948b	IN2898	TII	2901j
	HSDI			HSDI			BRA		IN2899	TII	2901k
IN2809	ΔMOTA	3328p	IN2832	ΔMOTA	3866d		BRI		IN2900	TII	2905f
IN2809A	ΔMOTA	3406c	IN2832A	ΔMOTA	3887a		RAYN			GIC	
	HSDI			HSDI		IN2855	ΔRCAS	1381d	IN2901	TII	2905g
IN2810	ΔMOTA	3559e	IN2833	ΔMOTA	3880k		BRA		IN2902	TII	2905j
IN2810A	ΔMOTA	3423c	IN2833A	ΔMOTA	3906a		BRI		IN2903	TII	2905k
	HSDI			HSDI		IN2860	ΔRCAS	1381d	IN2904	TII	2905m
IN2811	ΔMOTA	3408g	IN2834	ΔMOTA	3897j		BRA		IN2905	TII	2905n
IN2811A	ΔMOTA	3489a	IN2834A	ΔMOTA	3918a		RAYN		IN2906	TII	2905p
	HSDI			HSDI		IN2861	ΔRCAS	1721f	IN2907	TII	2905q
	HSDI		IN2835	ΔMOTA	3909p		SCN		IN2908	TII	2909a
				HSDI			SCN		IN2909	TII	2909b

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN2910	TII	2911b	IN2973B	ΔMOTA	3226f	IN2986B	ΔMOTA	3711b	IN3000B	ΔMOTA	3908a
IN2911	TII	2911c		USS			USS			USS	
	GIC		IN2974	ΔMOTA	3227e	IN2988	ΔMOTA	3708q	IN3001	ΔMOTA	3897k
IN2912	TII	2911g		ASC			ASC			ASC	
IN2913	TII	2911h		DIC			DIC			DIC	
IN2914	TII	2912a	IN2974A	ΔMOTA	3341d	IN2988A	ΔMOTA	3747e	IN3001A	HSDI	3918b
IN2915	TII	2912b		HSDI			HSDI			MOTA	
IN2916	TII	2912e	IN2974B	ΔMOTA	3387j	IN2988B	ΔMOTA	3756u	IN3001B	ΔMOTA	3929a
IN2917	TII	2912f		USS			HSDI			USS	
IN2918	TII	2917e	IN2975	ΔMOTA	3328q	IN2989	ΔMOTA	3737f	IN3002	ΔMOTA	3909c
	GIC			ASC			ASC			ASC	
IN2919	TII	2917f		DIC			DIC			DIC	
IN2920	TII	2917m	IN2975A	ΔMOTA	3408d	IN2989A	ΔMOTA	3771e	IN3002A	HSDI	3939b
IN2921	TII	2917n		HSDI			HSDI			MOTA	
IN2922	TII	2921c	IN2975B	ΔMOTA	3410c	IN2989B	ΔMOTA	3773a	IN3002B	ΔMOTA	3940y
IN2923	TII	2921d		USS			USS			USS	
IN2924	TII	2923c	IN2976	ΔMOTA	3399f	IN2990	ΔMOTA	3782f	IN3003	ΔMOTA	3930a
IN2925	TII	2923d		ASC			ASC			ASC	
	GIC			DIC			DIC			DIC	
IN2926	ΔSYL	4447	IN2976A	ΔMOTA	3423d	IN2990A	ΔMOTA	3781b	IN3003A	HSDI	3950b
IN2926A	ΔSYL	4447a		HSDI			HSDI			MOTA	
IN2928	HSDC	4650	IN2976B	ΔMOTA	3484a	IN2990B	ΔMOTA	3798c	IN3003B	ΔMOTA	3981a
IN2928A	HSDC	4651		USS			USS			USS	
IN2929	HSDC	4652	IN2977	ΔMOTA	3408h	IN2991	ΔMOTA	3774p	IN3004	ΔMOTA	3980m
IN2929A	HSDC	4653		ASC			ASC			ASC	
IN2930	HSDC	4654		DIC			DIC			DIC	
IN2930A	HSDC	4655	IN2977A	ΔMOTA	3485b	IN2991A	ΔMOTA	3804b	IN3004A	HSDI	3971g
IN2931	HSDC	4656		HSDI			HSDI			MOTA	
IN2931A	HSDC	4657	IN2977B	ΔMOTA	3477q	IN2991B	ΔMOTA	3807g	IN3004B	ΔMOTA	3974f
IN2932	HSDC	4658		USS			USS			USS	
IN2932A	HSDC	4659	IN2978	ΔMOTA	3476f	IN2992	ΔMOTA	3795n	IN3005	ΔMOTA	3982v
IN2933	HSDC	4660		ASC			ASC			ASC	
IN2933A	HSDC	4661		DIC			DIC			DIC	
IN2934	HSDC	4662	IN2978A	ΔMOTA	3519b	IN2992A	ΔMOTA	3817b	IN3005A	HSDI	3985d
IN2934A	HSDC	4663		HSDI			HSDI			MOTA	
IN2939	ΔGESY	4664	IN2978B	ΔMOTA	3538b	IN2992B	ΔMOTA	3830a	IN3005B	ΔMOTA	3994a
IN2939A	GESY	4884a		USS			USS			USS	
IN2940	ΔGESY	4665	IN2980	ΔMOTA	3487h	IN2993	ΔMOTA	3809g	IN3007	ΔMOTA	3978f
IN2940A	GESY	4665a		ASC			ASC			ASC	
IN2941	ΔGESY	4666		DIC			DIC			DIC	
IN2941A	GESY	4666a	IN2980A	ΔMOTA	3548b	IN2993A	ΔMOTA	3841b	IN3007A	HSDI	4001d
IN2961	WSI	3878f		HSDI			HSDI			MOTA	
IN2969	ΔGESY	4667	IN2980B	ΔMOTA	3558	IN2993B	ΔMOTA	3844c	IN3007B	ΔMOTA	4009a
IN2969A	GESY	4667a		USS			USS			ASC	
IN2970	ΔMOTA	3129c	IN2982	ΔMOTA	3549e	IN2995	ΔMOTA	3832e	IN3008	ΔMOTA	3995
	ASC			ASC			ASC			ASC	
	DIC			DIC			DIC			DIC	
	TEC		IN2982A	ΔMOTA	3598b	IN2995A	ΔMOTA	3855b	IN3008A	HSDI	4008d
IN2970A	ΔMOTA	3186b		HSDI			HSDI			MOTA	
IN2970B	ΔMOTA	3204c	IN2982B	ΔMOTA	3618a	IN2995B	ΔMOTA	3864k	IN3008B	ΔMOTA	4015e
IN2971	ΔMOTA	3181f		USS			USS			USS	
	ASC		IN2984	ΔMOTA	3585f	IN2997	ΔMOTA	3844a	IN3009	ΔMOTA	4001u
	DIC			ASC			ASC			ASC	
IN2971A	ΔMOTA	3222j		DIC			DIC			DIC	
IN2971B	ΔMOTA	3227h	IN2984A	ΔMOTA	3633b	IN2997A	ΔMOTA	3873b	IN3009A	HSDI	4018d
IN2972	ΔMOTA	3211m		HSDI			HSDI			MOTA	
	ASC		IN2984B	ΔMOTA	3641b	IN2997B	ΔMOTA	3878m	IN3009B	ΔMOTA	4021d
	DIC			USS			USS			ASC	
IN2972A	ΔMOTA	3238b	IN2985	ΔMOTA	3622j	IN2999	ΔMOTA	3886e	IN3011	ΔMOTA	4018c
IN2972B	ΔMOTA	3280d		ASC			ASC			DIC	
IN2973	ΔMOTA	3237f	IN2985A	ΔMOTA	3658b	IN2999A	ΔMOTA	3887b	IN3011A	HSDI	4032d
	ASC			HSDI			HSDI			MOTA	
	DIC		IN2985B	ΔMOTA	3690a	IN2999B	ΔMOTA	3896a	IN3011B	ΔMOTA	4035g
IN2973A	ΔMOTA	3328f		USS			USS			USS	
	HSDI		IN2986	ΔMOTA	3647d	IN3000	ΔMOTA	3880m	IN3012	ΔMOTA	4022a
				ASC			ASC			DIC	
			IN2986A	ΔMOTA	3705b	IN3000A	ΔMOTA	3906b	IN3012A	HSDI	4038b
				HSDI			HSDI			MOTA	
							MOTA			USS	

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN3012B	ΔMOTA	4038x	IN3024	ΔMOTA	3475g	IN3034	ΔMOTA	3795o	IN3044	ΔMOTA	3962w
IN3014	ΔMOTA	4038e		ASC			ASC			ASC	
				DIC			DIC			DIC	
				ASC			TEC			TEC	
IN3014A	HSDI	4048	IN3024A	ΔMOTA	3515c	IN3034A	ΔMOTA	3817c	IN3044A	ΔMOTA	3985e
	MOTA			HSDI			HSDI			HSDI	
	USS			USS			USS			USS	
IN3014B	ΔMOTA	4064	IN3025	ΔMOTA	3487I	IN3035	ΔMOTA	3809h	IN3045	ΔMOTA	3978g
IN3015	ΔMOTA	4039g		ASC			ASC			ASC	
				DIC			DIC			DIC	
				TEC			TEC			TEC	
IN3015A	HSDI	4077	IN3025A	ΔMOTA	3548c	IN3035A	ΔMOTA	3841c	IN3045A	ΔMOTA	4001e
	MOTA			HSDI			HSDI			HSDI	
	USS			USS			USS			USS	
IN3015B	ΔMOTA	4089	IN3026	ΔMOTA	3549f	IN3036	ΔMOTA	3832f	IN3046	ΔMOTA	3998
IN3016	ΔMOTA	3129d		ASC			ASC			ASC	
				DIC			DIC			DIC	
				TEC			TEC			TEC	
IN3016A	ΔMOTA	3166c	IN3026A	ΔMOTA	3598c	IN3036A	ΔMOTA	3855c	IN3046A	ΔMOTA	4008e
	HSDI			HSDI			HSDI			HSDI	
	USS			USS			USS			USS	
IN3016B	ΔMOTA	3181g	IN3027	ΔMOTA	3588	IN3037	ΔMOTA	3844b	IN3047	ΔMOTA	4001v
	ASC			ASC			ASC			ASC	
	DIC			DIC			DIC			DIC	
	TEC			TEC			TEC			TEC	
IN3017A	ΔMOTA	3222k	IN3027A	ΔMOTA	3633c	IN3037A	ΔMOTA	3873c	IN3047A	ΔMOTA	4018e
	HSDI			HSDI			HSDI			HSDI	
	USS			USS			USS			USS	
IN3018	ΔMOTA	3211n	IN3028	ΔMOTA	3622k	IN3038	ΔMOTA	3866f	IN3048	ΔMOTA	4018u
	ASC			ASC			ASC			ASC	
	DIC			DIC			DIC			DIC	
	TEC			TEC			TEC			TEC	
IN3018A	ΔMOTA	3238c	IN3028A	ΔMOTA	3658c	IN3038A	ΔMOTA	3887c	IN3048A	ΔMOTA	4032e
	HSDI			HSDI			HSDI			HSDI	
	USS			USS			USS			USS	
IN3019	ΔMOTA	3237g	IN3029	ΔMOTA	3647e	IN3039	ΔMOTA	3880n	IN3049	ΔMOTA	4022b
	ASC			ASC			ASC			ASC	
	DIC			DIC			DIC			DIC	
	TEC			TEC			TEC			TEC	
IN3019A	ΔMOTA	3328s	IN3029A	ΔMOTA	3705c	IN3039A	ΔMOTA	3908e	IN3049A	ΔMOTA	4038e
	HSDI			HSDI			HSDI			HSDI	
	USS			USS			USS			USS	
IN3020	ΔMOTA	3297f	IN3030	ΔMOTA	3706f	IN3040	ΔMOTA	3897m	IN3050	ΔMOTA	4038f
	ASC			ASC			ASC			ASC	
	DIC			DIC			DIC			DIC	
	TEC			TEC			TEC			TEC	
IN3020A	ΔMOTA	3341e	IN3030A	ΔMOTA	3747c	IN3040A	ΔMOTA	3918c	IN3050A	ΔMOTA	4049
	HSDI			HSDI			HSDI			HSDI	
	USS			USS			USS			USS	
IN3021	ΔMOTA	3326f	IN3031	ΔMOTA	3737g	IN3041	ΔMOTA	3909f	IN3051	ΔMOTA	4040
	ASC			ASC			ASC			ASC	
	DIC			DIC			DIC			DIC	
	TEC			TEC			TEC			TEC	
IN3021A	ΔMOTA	3408e	IN3031A	ΔMOTA	3771c	IN3041A	ΔMOTA	3939c	IN3051A	ΔMOTA	4078
	HSDI			HSDI			HSDI			HSDI	
	USS			USS			USS			USS	
IN3022	ΔMOTA	3399g	IN3032	ΔMOTA	3762g	IN3042	ΔMOTA	3930e	IN3052	PSI	2935b
	ASC			ASC			ASC			BRA	
	DIC			DIC			DIC			HUG	
	TEC			TEC			TEC				
IN3022A	ΔMOTA	3423e	IN3032A	ΔMOTA	3781c	IN3042A	ΔMOTA	3950e	IN3053	PSI	2938a
	HSDI			HSDI			HSDI			BRA	
	USS			USS			USS			HUG	
IN3023	ΔMOTA	3408j	IN3033	ΔMOTA	3774q	IN3043	ΔMOTA	3944c	IN3054	PSI	2940b
	ASC			ASC			ASC			BRA	
	DIC			DIC			DIC			HUG	
	TEC			TEC			TEC				
IN3023A	ΔMOTA	3469c	IN3033A	ΔMOTA	3804c	IN3043A	ΔMOTA	3971h	IN3055	PSI	2941c
	HSDI			HSDI			HSDI			BRA	
	USS			USS			USS			HUG	

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
IN3057	PSI BRA HUG	2944	IN3118	GESY GELC	4676	1R400	CCA	2091c	1S113	NECJ	1721e
IN3058	PSI BRA HUG	2945	IN3118A	GESY	4677	1R500	CCA	2354a	1S113	TIIB	2046
IN3059	PSI BRA HUG	2946	IN3119	GESY	4678	1R600	CCA	2521a	1S114	NECJ	2084a
IN3060	PSI BRA HUG	2947	IN3119A	GESY	4679	1R700	CCA	2626a	IS114	TIIB	2325
IN3061	PSI BRA HUG	2948	IN3120	GESY GELC	4680	1R800	CCA	2890	1S115	NECJ	2347
IN3062	PSI BRA HUG	2947	IN3120A	GESY	4681	1R900	CCA	2742p	1S115	TIIB	2492b
IN3063	PSI BRA HUG	2948	IN3123	ΔMIC DES	4162m	1R1000	CCA	2769a	1S116	NECJ	2514h
IN3064	PSI BRA HUG	2948	IN3124	ΔMIC DES	4163g	1R1200	CCA	2805a	1S119	NECJ	680b
IN3065	DES	4252e	IN3125	ΔSYL	1255	1R1500	CCA	2853a	1S120	NECJ	677a
IN3072	TEC	644	IN3128	ARCAS	4682	IS001	TIIB	1361f	IS121	NECJ	941a
IN3073	TEC	903	IN3129	ARCAS	4683	1S002	TIIB	1721c	1S121	TIIB	1163
IN3074	TEC	1177a	IN3130	ARCAS	4684	1S003	TIIB	2083c	1S122	NECJ	1352a
IN3075	TEC	1313	IN3138	ARCAS	4685	1S004	TIIB	2347d	1S123	NECJ	1712a
IN3076	TEC	1581a	IN3143	MIC	4444	1S005	TIIB	2514f	1S124	NECJ	2073
IN3077	TEC	1671	IN3148	WEC	3303b	IS20	TOSJ	4127a	1S125	NECJ	2342d
IN3078	TEC	1926a	IN3149	GESY	4685a	IS32	TOSJ	196a	IS126	NECJ	2509d
IN3079	TEC	2025b	IN3149A	GESY	4685b	IS33	TOSJ	399a	1S205	SGSI	182c
IN3080	TEC	2302	IN3150	GESY	4685c	IS34	TOSJ	196b	1S207	TIIB	2980b
IN3081	TEC	2473	IN3152	WEC	4606b	IS35	TOSJ	4742	1S208	TIIB	2993a
IN3085	INRC	1133	IN3153	WEC	4606c	IS48	TOSJ	4477b	1S209	TIIB	3015c
IN3086	INRC	1545a	IN3154	MOTA	3292a	1S49	TOSJ	4484b	IS210	SGSI	432c
IN3087	INRC	1909	IN3154A	MOTA	3292b	1S50	TOSJ	4571a	1S210	TIIB	3035a
IN3088	INRC	2262	IN3155	MOTA	3292c	1S51	TOSJ	3013a	IS211	TIIB	3087b
IN3089	INRC	2454	IN3155A	MOTA	3292d	1S52	TOSJ	3101b	1S212	TIIB	3093a
IN3090	INRC	2614	IN3156	MOTA	3292e	IS53	TOSJ	3161	1S213	TIIB	3137
IN3091	INRC	2735	IN3156A	MOTA	3292f	1S54	TOSJ	3224a	1S214	TIIB	3179a
IN3093	ΔPHIL	4117c	IN3157	MOTA	3293	1S55	TOSJ	3287a	1S215	TIIB	3223f
IN3096R	ΔPHIL	4405b	IN3192	WEC	4741a	1S56	TOSJ	3328p	IS216	TIIB	3257a
IN3098	ΔUSS	4008f	IN3193	RCAS	1361e	1S57	TOSJ	4743	1S217	TIIB	3308
IN3099	CCA	4032f	IN3194	RCAS	2083b	1S58	TOSJ	4744	1S218	TIIB	3364a
IN3100	ΔUSS	4050	IN3195	RCAS	2514e	IS71	TOSJ	505d	1S220	SGSI	534b
IN3101	CCA	4051	IN3196	RCAS	2682b	1S72	TOSJ	471a	1S230	SGSI	577a
IN3102	ΔUSS	4006g	IN3205	ΔSYL	4402c	1S73	TOSJ	4123b	1S240	SGSI	594a
IN3103	ΔUSS	4032g	IN3208	MOTA	763a	1S77	HITJ	234a	IS301	TIIB	4175a
IN3104	ΔUSS	4051	IN3209	MOTA	1059a	1S78	HITJ	138a	1S302	TIIB	4269b
IN3105	ΔUSS	4092	IN3210	MOTA	1474a	1S79	HITJ	32b	1S303	TIIB	4318b
IN3106	ΔUSS	2462a	IN3211	MOTA	1836b	IS81	TOSJ	532a	1S401	TIIB	1414a
IN3107	ΔUSS	2737e	IN3212	MOTA	2189d	1S82	TOSJ	94a	1S402	TIIB	1774a
IN3108	ΔUSS	2462b	IN3218	GESY	4685d	1S83	HITJ	353e	IS403	TIIB	2131a
IN3109	ΔUSS	2737f	IN3218A	GESY	4685e	1S84	HITJ	532g	1S404	TIIB	2386a
IN3110	CLE	8a	IN3219	GESY	4685f	1S85	HITJ	4482c	1S405	TIIB	2552a
IN3114	GESY GELC	4668	IN3219A	GESY	4685g	IS86	TOSJ	4475d	1S501	TIIB	3709a
IN3114A	GESY	4669	IN3257	DES	4266b	1S87	TOSJ	4123c	1S502	TIIB	3706
IN3115	GESY GELC	4670	IN3258	DES	4266a	1S88	TOSJ	4123d	IS503	TIIB	3748
IN3115A	GESY	4671	INA1	KOKJ	305e	1S89	TOSJ	4136c	1S504	TIIB	3772
IN3116	GESY GELC	4672	INA2	KOKJ	449b	1S90	TOSJ	1184a	1S505	TIIB	3781d
IN3116A	GESY	4673	INA3	KOKJ	504c	1S91	TOSJ	1325a	1S506	TIIB	3820a
IN3117	GESY GELC	4674	INA4	KOKJ	195a	IS92	TOSJ	1683a	1S507	TIIB	3818
IN3117A	GESY	4675	INA5	KOKJ	305f	1S93	TOSJ	2039a	IS508	TIIB	3842b
			INA6	KOKJ	167c	1S94	TOSJ	2319a	1S509	TIIB	3856
			INA7	KOKJ	441a	1S95	TOSJ	2490a	1S510	TIIB	3874
			INA9	KOKJ	106c	1S96	TOSJ	2624a	1S511	TIIB	3888
			INJ11	KOKJ	2082b	IS97	TOSJ	2878b	1S512	TIIB	3907e
			INJ12	KOKJ	2336b	1S98	TOSJ	2741a	IS513	TIIB	3915
			1R10	CCA	604	1S99	TOSJ	2758a	1S514	TIIB	3939d
			1R15	CCA	607c	1S100	TOSJ	1192a	1S515	TIIB	3950d
			1R26	CCA	614d	1S101	TOSJ	1361g	1S516	TIIB	3971j
			1R50	CCA	888a	IS102	TOSJ	1721d	1S536	SGSI	680c
			1R75	CCA	880e	1S103	TOSJ	2084	1S537	SGSI	948d
			1R100	CCA	961a	1S104	TOSJ	2347e	IS538	SGSI	1381j
			1R150	CCA	1200	1S105	TOSJ	2514g	1S539	SGSI	1721f
			1R200	CCA	1371c	1S106	TOSJ	2625g	1S540	SGSI	2084b
			1R300	CCA	1730c	IS107	TOSJ	2885h	1S560	SGSI	2682c
						1S108	TOSJ	2742k	1S561	SGSI	2763a
						1S109	TOSJ	2784b	IS600	TIIB	718a
						1S110	TOSJ	2324	1S601	TIIB	997e
						1S111	NECJ	948c	1S602	TIIB	1414b
						IS112	TIIB	1579b	1S603	TIIB	1774b
						1S112	NECJ	1361h	1S604	TIIB	2131b
						1S112	TIIB	1689a	1S610	TIIB	688b

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1S611	TIIB	961b	1S5062	TIIB	3907	1T1023	SONY	4686	1Z30T5	INRC	3774
1S612	TIIB	1371d	1S5062A	TIIB	3907t	1T1101	SONY	4686a	1Z33D	DIC	3762h
1S613	TIIB	1730d	1S5062C	TIIB	3907a	1T1102	SONY	4686b	1Z36D	DIC	3774r
1S614	TIIB	2091d	1S5068	TIIB	3924a	1T1103	SONY	4686c	1Z39D	DIC	3795p
1S701	TIIB	4579e	1S5068A	TIIB	3930k	1T2011	SONY	949	1Z43D	DIC	3808j
1S764	TIIB	4579f	1S5068C	TIIB	3924b	1T2012	SONY	1362	1Z45D	DIC	3825s
1S914	TIIB	4222g	1S5075	TIIB	3940h	1T2013	SONY	1722	1Z47D	DIC	3832g
1S916	TIIB	4222h	1S5075A	TIIB	3941	1T2014	SONY	2084c	1Z50D	DIC	3842s
1S1095	SGSI	2342k	1S5075C	TIIB	3940j	1T2015	SONY	2348	1Z52D	DIC	3848e
1S1096	SGSI	2509j	1S5082	TIIB	3957a	1T2016	SONY	2515	1Z56D	DIC	3866g
1S1115	SGSI	377e	1S5082A	TIIB	3962e	1T20105	SONY	880d	1Z62D	DIC	3881
1S1116	SGSI	1396a	1S5082C	TIIB	39575	1TB08	TOSJ	895b	1Z68D	DIC	3897n
1S1117	SGSI	1755a	1S5091	TIIB	3971m	1TD06	TOSJ	1303d	1Z75D	DIC	3910
1S1118	SGSI	2114a	1S5091A	TIIB	3974a	1TF08	TOSJ	1663a	1Z82D	DIC	3930u
1S1119	SGSI	2373a	1S5091C	TIIB	3971n	1TZ8.2T10	CCA	3235a	1Z91D	DIC	3944f
1S1120	SGSI	2540a	1S5100	TIIB	3993	1TZ10T10	CCA	3941g	1Z100D	DIC	3963
1S1691	SGSI	677b	1S5100A	TIIB	3994b	1TZ12T10	CCA	3441a	1Z105D	DIC	3972j
1S1692	SGSI	941b	1S5100C	TIIB	3993a	1TZ15T10	CCA	3519d	1Z110D	DIC	3977
1S1693	SGSI	1352b	1S5110	TIIB	4001h	1TZ18T10	CCA	3599a	1Z120D	DIC	3996a
1S1694	SGSI	1713	1S5110A	TIIB	4003c	1TZ22T10	CCA	3658e	1Z130D	DIC	4001w
1S1695	SGSI	2073a	1S5110C	TIIB	4001j	1TZ27T10	CCA	3748b	1Z140D	DIC	4013e
1S1696	SGSI	2342e	1S5120	TIIB	4008p	1TZ33T10	CCA	3782a	1Z150D	DIC	4018v
1S1697	SGSI	2509e	1S5120A	TIIB	4015g	1TZ39T10	CCA	3818b	1Z175D	DIC	4033f
1S1699	SGSI	2685d	1S5120C	TIIB	4006q	1TZ47T10	CCA	3856b	1Z200D	DIC	4040a
1S1700	SGSI	2763s	1S5130	TIIB	4018k	1WM1	WESF	949a	1.5M6.8Z	MOTA	3129g
1S5015	TIIB	3498a	1S5130A	TIIB	4021	1WM2	WESF	1362a	1.5Z6.8D	DIC	3139h
1S5015A	TIIB	3531c	1S5130C	TIIB	4018m	1WM3	WESF	1722a	1.5M7.5Z	MOTA	3161j
1S5015C	TIIB	3498b	1S5150	TIIB	4024	1WM4	WESF	2084d	1.5Z7.5D	DIC	3161k
1S5016	TIIB	3564c	1S5150A	TIIB	4033a	1WM5	WESF	2348a	1.5M8.2Z	MOTA	3211p
1S5016A	TIIB	3564a	1S5150C	TIIB	4025	1WM6	WESF	2515a	1.5Z8.2D	DIC	3211q
1S5016C	TIIB	3564d	1SV120	SGSI	4488c	1WM7	WESF	2625r	1.5M8.1Z	MOTA	3237j
1S5018	TIIB	3578a	1SV130	SGSI	4488d	1WM8	WESF	2685j	1.5Z9.1D	DIC	3237k
1S5018A	TIIB	3602e	1T5.8	SAR	3086	1WM9	WESF	2742m	1.5M10Z	MOTA	3297j
1S5018C	TIIB	3576b	1T6.2	SAR	3133a	1WM10	WESF	2764c	1.5Z10D	DIC	3297k
1S5020	TIIB	3633d	1T6.8	SAR	3166d	1XH	RRC	1065	1.5M11Z	MOTA	3326t
1S5020A	TIIB	3642	1T7.5	SAR	3223	1Z4.3T5	INRC	3019a	1.5Z11D	DIC	3326u
1S5020C	TIIB	3633e	1T8.2	SAR	3239	1Z4.7T20	INRC	3013b	1.5M12Z	MOTA	3399j
1S5022	TIIB	3688a	1T9.1	SAR	3305a	1Z5.1T5	INRC	3072a	1.5Z12D	DIC	3399k
1S5022A	TIIB	3695	1T10	SAR	3341f	1Z6.2T5	INRC	3156a	1.5M13Z	MOTA	3408l
1S5022C	TIIB	3668b	1T11	SAR	3406p	1Z6.8D	DIC	3129e	1.5Z13D	DIC	3409
1S5024	TIIB	3709c	1T12	SAR	3423f	1Z6.8T20	INRC	3129f	1.5M14Z	MOTA	3449n
1S5024A	TIIB	3716	1T13	SAR	3469d	1Z7.5D	DIC	3181h	1.5Z14D	DIC	3449p
1S5024C	TIIB	3709d	1T15	SAR	3485	1Z7.5T5	INRC	3226a	1.5M15Z	MOTA	3476b
1S5027	TIIB	3727a	1T16	SAR	3548d	1Z8.2D	DIC	3211o	1.5Z15D	DIC	3476c
1S5027A	TIIB	3756e	1T18	SAR	3599	1Z9.1D	DIC	3237h	1.5M16Z	MOTA	3487k
1S5027C	TIIB	3727b	1T20	SAR	3633f	1Z9.1T5	INRC	3233b	1.5Z16D	DIC	3488
1S5030	TIIB	3772a	1T22	SAR	3658d	1Z10D	DIC	3297g	1.5M17Z	MOTA	3528g
1S5030A	TIIB	3772n	1T22	SONY	213	1Z10T20	INRC	3297h	1.5Z17D	DIC	3528h
1S5030C	TIIB	37725	1T22G	SONY	214	1Z11D	DIC	3326s	1.5M18Z	MOTA	3549h
1S5033	TIIB	3787a	1T23	SONY	29f	1Z11T5	INRC	3407c	1.5Z18D	DIC	3550
1S5033A	TIIB	3797	1T23G	SONY	30	1Z12D	DIC	3399h	1.5M19Z	MOTA	3561e
1S5033C	TIIB	3787b	1T24	SAR	3706a	1Z13D	DIC	3408k	1.5Z19D	DIC	3561f
1S5036	TIIB	3807a	1T25	SONY	1085	1Z13T5	INRC	3477h	1.5M20Z	MOTA	3586b
1S5036A	TIIB	3809	1T27	SAR	3748a	1Z14D	DIC	3449m	1.5Z20D	DIC	3586c
1S5036C	TIIB	3807b	1T30	SAR	3772c	1Z15D	DIC	3476	1.5M22Z	MOTA	3622n
1S5039	TIIB	3825a	1T33	SAR	3782	1Z15T20	INRC	3476a	1.5Z22D	DIC	3623
1S5039A	TIIB	3831h	1T36	SAR	3804e	1Z16D	DIC	3487j	1.5M24Z	MOTA	3647g
1S5039C	TIIB	3825b	1T39	SAR	3818a	1Z16T5	INRC	3556a	1.5Z24D	DIC	3648
1S5043	TIIB	3842c	1T43	SAR	3841d	1Z17D	DIC	3528f	1.5M25Z	MOTA	3686k
1S5043A	TIIB	3844e	1T47	SAR	3856a	1Z18D	DIC	3549g	1.5Z25D	DIC	3686m
1S5043C	TIIB	3842d	1T51	SONY	4745	1Z19D	DIC	3561d	1.5Z27Z	MOTA	3708e
1S5047	TIIB	3861a	1T51	SAR	3874a	1Z20D	DIC	3586a	1.5Z27D	DIC	3707
1S5047A	TIIB	3868	1T52	SONY	4746	1Z20T5	INRC	3622a	1.5M30Z	MOTA	3737i
1S5047C	TIIB	3861b	1T56	SAR	3888a	1Z22D	DIC	3622m	1.5Z30D	DIC	3738
1S5051	TIIB	3876a	1T62	SAR	3906d	1Z22T20	INRC	3622a	1.5M33Z	MOTA	3762i
1S5051A	TIIB	3880	1T68	SAR	3919a	1Z24D	DIC	3647f	1.5Z33D	DIC	3763
1S5051C	TIIB	3876b	1T75	SAR	3939e	1Z24T5	INRC	3711c	1.5M36Z	MOTA	3774s
1S5055	TIIB	3893a	1T82	SAR	3950e	1Z25D	DIC	3885j	1.5Z36D	DIC	3774t
1S5056A	TIIB	3897	1T91	SAR	3971k	1Z27D	DIC	3706s	1.5M39Z	MOTA	3795q
1S5056C	TIIB	3893b	1T100	SAR	3985f	1Z30D	DIC	3737h	1.5Z39D	DIC	3795r

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
1.5M43Z	MOTA	3809k	2N1597	ATII	1371e	2N1934	GESY	1593b	2Z39T10	CCA	3818d
1.5Z43D	DIC	3809m		HSDC		2N1935	GESY	1744a	2Z47T10	CCA	3856d
1.5M45Z	MOTA	3825t		SSP		2N1966	TUNL	4738f	2Z56T10	CCA	3888b
1.5Z45D	DIC	3825u		TEC		2N1967	TUNL	4738g	2Z68T10	CCA	3919b
1.5M47Z	MOTA	3832h	2N1598	ATII	1730e	2N1968	TUNL	4738h	2Z82T10	CCA	3950f
1.5Z47D	DIC	3832j		HSDC		2R10	CCA	604d	2Z100T10	CCA	3885g
1.5M50Z	MOTA	3842t		TEC		2R15	CCA	609a	2Z120T10	CCA	4006h
1.5Z50D	DIC	3842u	2N1599	ATII	2091e	2R25	CCA	814f	2Z150T10	CCA	4032h
1.5M52Z	MOTA	3848f		HSDC		2R50	CCA	716c	2Z180T10	CCA	4052
1.5Z52D	DIC	3848g		TEC		2R75	CCA	881a	2Z200T10	CCA	4079
1.5M58Z	MOTA	3888h	2N1800	ATII	7185	2R100	CCA	997c	2Z220T10	CCA	4092a
1.5Z58D	DIC	3887		TEC		2R150	CCA	1208	3A30A	SSP	4832
1.5M62Z	MOTA	3882	2N1801	ATII	9975	2R200	CCA	1414e	3A30S	SSP	619
1.5Z62D	DIC	3882a		TEC		2R300	CCA	1774e	3A31	SSP	4633
1.5M68Z	MOTA	3897p	2N1802	ATII	1414d	2R400	CCA	2131e	3A60A	SSP	4634
1.5Z68D	DIC	3898		TEC		2R500	CCA	2386b	3A60S	SSP	856
1.5M75Z	MOTA	3911	2N1803	ATII	1774d	2R600	CCA	2552b	3A61	SSP	4635
1.5Z75D	DIC	3911a		TEC		2R700	CCA	2638a	3A100A	SSP	4636
1.5M82Z	MOTA	3930v	2N1804	ATII	2131d	2R800	CCA	2704h	3A100S	SSP	9495
1.5Z82D	DIC	3930w		TEC		2R900	CCA	2743d	3A101	SSP	4636a
1.5M91Z	MOTA	3944d	2N1888	TEC	4145d	2R1000	CCA	2776b	3A150S	SSP	1193
1.5Z91D	DIC	3944g	2N1887	TEC	4204c	2R1200	CCA	2807b	3A200A	SSP	4636b
1.5M100Z	MOTA	3964	2N1888	TEC	4266g	2R1500	CCA	2853f	3A200S	SSP	1363
1.5Z100D	DIC	3964a	2N1889	TEC	4316d	2S160A	RDR	2483a	3A201	SSP	4636c
1.5M105Z	MOTA	3972k	2N1895	ITC	3387k	2TB02R	TOSJ	977f	3B30S	SSP	620b
1.5Z105D	DIC	3972m	2N1898	ITC	3387i	2TB23	TOSJ	895c	3B30S	SSP	857
1.5M110Z	MOTA	3977a	2N1697	ITC	3319	2TD52R	TOSJ	1371g	3B100S	SSP	961e
1.5Z110D	DIC	3978	2N1698	ITC	3398b	2TD23	TOSJ	1354	3B150S	SSP	1200c
1.5M120Z	MOTA	3996b	2N1770	GESY	815e	2TZ8.2T10	CCA	3239b	3B200S	SSP	1371h
1.5Z120D	DIC	3996c	2N1770A	GESY	615f	2TZ10T10	CCA	3841h	3BS1	INRJ	917a
1.5M130Z	MOTA	4002	2N1771	GESY	742b	2TZ12T10	CCA	3441b	3BS2	INRJ	917b
1.5Z130D	DIC	4002a	2N1771A	GESY	742k	2TZ15T10	CCA	3519e	3BT1	INRJ	954a
1.5M140Z	MOTA	4013f	2N1772	GESY	1031a	2TZ18T10	CCA	3599b	3BT2	INRJ	954b
1.5Z140D	DIC	4013g	2N1772A	GESY	1031b	2TZ22T10	CCA	3658f	3CC11	TOSJ	1209
1.5M150Z	MOTA	4018w	2N1773	GESY	1224	2TZ27T10	CCA	3748c	3DC11	TOSJ	1414f
1.5Z150D	DIC	4018x	2N1773A	GESY	1225e	2TZ33T10	CCA	3782b	3DS1	INRJ	1325b
1.5M175Z	MOTA	4033g	2N1774	GESY	1448b	2TZ39T10	CCA	3818c	3DS2	INRJ	1325c
1.5Z175D	DIC	4033h	2N1774A	GESY	1448n	2TZ47T10	CCA	3856c	3DT1	INRJ	1387a
1.5M200Z	MOTA	4041	2N1775	GESY	15885	2W3A	TEC	1950	3DT2	INRJ	1367b
1.5Z200D	DIC	4041a	2N1775A	GESY	1596d	2W4A	TEC	2281	3E4	INRJ	2039b
2A	HSDC	4606g	2N1776	GESY	1807b	2W5A	TEC	2462	3F2	FTHF	4579h
2E4	INRC	593b	2N1776A	GESY	1807n	2W6A	TEC	2620	3FC11	TOSJ	1774f
2F2	FTHF	4579g	2N1777	GESY	21845	2W7A	TEC	2657	3FS1	INRJ	2039c
2F4	SAR	2025c	2N1777A	GESY	2164n	2W9	TEC	2737n	3FS2	INRJ	2039d
2G8	PLEB	1362b	2N1842	GESY	617a	2W9A	TEC	2738	3FT1	INRJ	2087a
2GH	RRC	271a	2N1843	GESY	766a	2W12A	TEC	2795	3FT2	INRJ	2087b
2M4	PLEB	1331a	2N1844	GESY	1062	2W15	TEC	2828a	3G8	PLEB	1722b
2MA36	SRC	1991	2N1845	GESY	1241a	2W15A	TEC	2838	3GH	RRC	377a
2N681	GESY	617	2N1846	GESY	1477a	2W20A	TEC	2884	3GC11	TOSJ	2131f
2N682	GESY	766	2N1847	GESY	1603a	2WM1	WESF	1056d	3GS1	INRJ	2319b
2N683	GESY	1061a	2N1848	GESY	1839a	2WM2	WESF	1472d	3GS2	INRJ	2319c
2N684	GESY	1241	2N1849	GESY	2193a	2WM3	WESF	1834d	3GT1	INRJ	2352a
2N685	GESY	1477	2N1850	GESY	2426g	2WM4	WESF	2188d	3GT2	INRJ	2352b
2N686	GESY	1603	2N1881	SSP	820a	2WM5	WESF	2425d	3HC11	TOSJ	2388c
2N687	GESY	1839	2N1882	SSP	856a	2WM6	WESF	25885	3HS1	INRJ	2490b
	FTHF		2N1883	SSP	961d	2WM7	WESF	2645d	3HS2	INRJ	2490c
2N688	GESY	2153	2N1884	SSP	1200b	2WM8	WESF	2724c	3HT1	INRJ	2519a
	FTHF		2N1885	SSP	1371f	2WM9	WESF	2743u	3HT2	INRJ	2519b
2N689	GESY	2426f	2N1909	GESY	817g	2WM10	WESF	2787d	3JC11	TOSJ	2552c
2N764	TEC	4149c	2N1910	GESY	832b	2XC	RRC	624c	3KC11	TOSJ	2638
2N765	TEC	4204b	2N1911	GESY	1129b	2XD	RRC	611	3LC11	TOSJ	2704g
2N766	TEC	4266f	2N1912	GESY	1279a	2XH	RRC	271b	3M5	INRJ	763b
2N767	TEC	4316c	2N1913	GESY	1542b	2Z8.2T10	CCA	3239c	3M10	INRJ	1059b
2N1595	ATII	3888c	2N1914	GESY	1838a	2Z10T10	CCA	3341j	3M15	INRJ	1238a
	HSDC		2N1915	GESY	1905b	2Z12T10	CCA	3423g	3M20	INRJ	1474b
	SSP		2N1916	GESY	2259b	2Z15T10	CCA	3519f	3M25	INRJ	1602a
	TEC		2N1929	GESY	614m	2Z18T10	CCA	3599e	3M30	INRJ	1836c
2N1596	ATII	961c	2N1930	GESY	699c	2Z22T10	CCA	3658g	3M40	INRJ	2189e
	HSDC		2N1931	GESY	971c	2Z27T10	CCA	3748d	3M50	INRJ	2426d
	SSP		2N1932	GESY	1201d	2Z39T10	CCA	3782c	3M60	INRJ	2587d
	TEC		2N1933	GESY	1385c						



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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
3MC11	TOSJ	2743	3Z48T20	CCA	3835a	4J100M-25	SHO	4599b	4RV8	INRC	3287b
3N39	TEC	3309	3Z60T20	CCA	3907j	4J200-5	SHO	4599c	4RV8A	INRC	3287c
3N40	TEC	3310	3Z90T20	CCA	3942k	4J200M-5	SHO	4600a	4RV16	INRC	3565a
3N41	TEC	3311	3ZI20T20	CCA	3996d	4J200-25	SHO	4600	4RV16A	INRC	3565b
3N42	TEC	3312	3Z180T20	CCA	4038h	4J200M-25	SHO	4601	4SS20	RDR	1332
3N43	TEC	3313	4AD20-5	SHO	4586a	4GH	RRC	482a	4TB04R	TOSJ	1021a
3N44	TEC	3314	4AD20M-5	SHO	4586c	4JA60A	GESY	1114	4TB08R	TOSJ	1059c
3NC11	TOSJ	2774d	4AD20-25	SHO	4586b	4JA60B	GESY	1527	4TD08R	TOSJ	1472e
3R3.9	GIC	2994	4AD30M-25	SHO	4586d	4JA60C	GESY	1890	4XB	RRC	824d
3R4.7	GIC	3036	4AD30-5	SHO	4586e	4JA60D	GESY	2244	4XC	RRC	860
3R5.6	GIC	3094	4AD30M-5	SHO	4586g	4JA60F	GESY	817	4XD	RRC	629f
3R6.8	GIC	3180	4AD30-25	SHO	4586f	4JA60G	GESY	1272	4XH	RRC	482b
3R8.2	GIC	3258	4AD30M-25	SHO	4586h	4JA60H	GESY	1629	4Z5T20	CCA	3234b
3R10	GIC	3365	4AD40-5	SHO	4587	4JA60J	GESY	1968	4Z12T20	CCA	3400
3R10	CCA	604a	4AD40M-5	SHO	4587b	4JA62A	GESY	1116	4Z18T20	CCA	3550b
3R12	GIC	3433	4AD40-25	SHO	4587a	4JA62B	GESY	1525	4Z24T20	CCA	3648b
3R15	GIC	3499	4AD40M-25	SHO	4587c	4JA62C	GESY	1892	4Z36T20	CCA	3774v
3R15	CCA	608	4AD50-5	SHO	4587d	4JA62D	GESY	2248	4Z48T20	CCA	3835b
3R18	GIC	3577	4AD50M-5	SHO	4588	4JA62F	GESY	819	4Z60T20	CCA	3907k
3R22	GIC	3669	4AD50-25	SHO	4587e	4JA62G	GESY	1274	4Z90T20	CCA	3942m
3R25	CCA	614e	4AD50M-25	SHO	4588a	4JA62H	GESY	1631	4Z120T20	CCA	3996e
3R27	GIC	3728	4B15P	FAN	1301d	4JA62J	GESY	1970	4Z180T20	CCA	4038j
3R50	CCA	689	4BI7P	FAN	1579h	4JA70B	GESY	1530	5E4	INRC	584c
3R75	CCA	880f	4D20-3	SHO	4588b	4JA70C	GESY	1893	5E5	INRC	597c
3R100	CCA	961f	4D20M-3	SHO	4589	4JA70D	GESY	2247	5E6	INRC	600
3R150	CCA	1200d	4D20-12	SHO	4588c	4JA70E	GESY	2448e	5F1	SRC	704a
3R200	CCA	1372	4D20M-12	SHO	4588a	4JA70M	GESY	2609j	5G3N	SAR	8511
3R300	CCA	1731	4D20-30	SHO	4588d	4JA411A	GESY	978	5G8	PLEB	2349
3R400	CCA	2092	4D20M-30	SHO	4589b	4JA411B	GESY	1397	5GH	RRC	504a
3R500	CCA	2354b	4D30-3	SHO	4589c	4JA411C	GESY	1756	5H	SAR	680e
3R600	CCA	2521b	4D30M-3	SHO	4589f	4JA411D	GESY	2115	5J3P	SAR	762d
3R700	CCA	2626b	4D30-12	SHO	4589d	4JA411E	GESY	2374	5Q3	SAR	764
3R800	CCA	2690a	4D30M-12	SHO	4590	4JA411F	GESY	704	5R3P	SAR	774
3R900	CCA	2742c	4D30-30	SHO	4589e	4JA411M	GESY	2540b	5S3P	SAR	804
3R1000	CCA	2770	4D30M-30	SHO	4590a	4JA3011A	GESY	1021	5T3P	SAR	810a
3R1200	CCA	2805b	4D40-3	SHO	4590b	4JA3011B	GESY	1438	5V3P	SAR	829
3R1500	CCA	2853b	4D40M-3	SHO	4591a	4JA3011C	GESY	1769	5W3P	SAR	831
3TD04R	TOSJ	1425	4D40-12	SHO	4590c	4JA3511A	GESY	1043	5XH	RRC	504b
3WM1	WESF	1083	4D40M-12	SHO	4591b	4JA3511B	GESY	1459	5X3P	SAR	845
3WM2	WESF	1496a	4D40-30	SHO	4591	4JA3511C	GESY	1819	5Y3P	SAR	851e
3WM3	WESF	1857a	4D40M-30	SHO	4591c	4JA3511F	GESY	751	5ZB	SAR	853
3WM4	WESF	2210	4D50-3	SHO	4592	4JA6011A	GESY	1110	6A5	INRJ	810b
3WM5	WESF	2434	4D50M-3	SHO	4592c	4JA6011B	GESY	1523	6A10	INRJ	1107a
3WM6	WESF	2594a	4D50-12	SHO	4592a	4JA6011C	GESY	1885	6A15	INRJ	1267d
3WM7	WESF	2648b	4D50M-12	SHO	4593	4JA6011D	GESY	2241	6A20	INRJ	1519f
3WM8	WESF	2728b	4D50-30	SHO	4592b	4JA6011F	GESY	813	6A25	INRJ	1625d
3WM9	WESF	2745b	4D50M-30	SHO	4593a	4JA6211A	GESY	1104	6A30	INRJ	1880c
3WM10	WESF	2788c	4D80-3	SHO	4593b	4JA6211B	GESY	1517	6A40	INRJ	2237a
3XH	RRC	3775	4D80M-3	SHO	4594a	4JA6211C	GESY	1879	6A50	INRJ	2445a
3Z4.3T5	INRC	3019b	4D80-23	SHO	4594	4JA6211D	GESY	2235	6A60	INRJ	2607b
3Z4.7T20	INRC	3013c	4D80M-23	SHO	4594b	4JA6211F	GESY	507	6B13P	FAN	1151p
3Z5.1T5	INRC	3072b	4D120-3	SHO	4595	4M4	PLEB	2047	6B15P	FAN	1301c
3Z6.2T5	INRC	3156b	4D120M-3	SHO	4595b	4R10	CCA	605	6B16P	FAN	1573
3Z6.8T20	INRC	3129j	4D120-23	SHO	4595a	4R15	CCA	609b	6B17P	FAN	1579g
3Z7.5T5	INRC	3226b	4D120M-23	SHO	4595c	4R25	CCA	614g	6B18P	FAN	1662d
3Z9T20	CCA	3234a	4D200-3	SHO	4596	4R50	CCA	718d	6B19P	FAN	2429
3Z9.1T5	INRC	3323c	4D200M-3	SHO	4596b	4R75	CCA	881b	6B20P	FAN	2590a
3Z10T20	INRC	3297l	4D200-23	SHO	4596a	4R100	CCA	997d	6CC11	TOSJ	1225
3Z11T5	INRC	3407d	4D200M-23	SHO	4596c	4R150	CCA	1209a	6CF14R	TOSJ	1906a
3Z12T20	CCA	3399l	4F2	FTHF	4579j	4R200	CCA	1414g	6CG14R	TOSJ	2261
3Z13T5	INRC	3477l	4G8	PLEB	2084e	4R300	CCA	1774g	6CH14R	TOSJ	2452
3Z15T20	INRC	3476d	4G50	SHO	4597	4R400	CCA	2131g	6CJ14R	TOSJ	2813
3Z16T5	INRC	3556b	4G50M	SHO	4597a	4R500	CCA	2386d	6CK14R	TOSJ	2651
3Z18T20	CCA	3550a	4G100	SHO	4597b	4R600	CCA	2552d	6CL14R	TOSJ	2732
3Z20T5	INRC	3642b	4G100M	SHO	4598	4R700	CCA	2638b	6CM14R	TOSJ	2745g
3Z22T20	INRC	3622b	4G200	SHO	4598a	4R800	CCA	2704j	6CN14R	TOSJ	2790
3Z24T5	INRC	3711d	4G200M	SHO	4598b	4R900	CCA	2743e	6DC11	TOSJ	1448c
3Z24T20	CCA	3648a	4J100-5	SHO	4598c	4RI000	CCA	2776c	6DF5	INRC	742c
3Z30T5	INRC	3774a	4J100M-5	SHO	4599a	4R1200	CCA	2807c	6F10	INRC	1031b
3Z36T20	CCA	3774u	4J100-25	SHO	4599	4R1500	CCA	2853g	6F15	INRC	1225b

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
6F20	INRC	1448d	8CH15	TOSJ	2461h	10EZ5.6T10	INRC	3085b	10Z24D	DIC	3648c
6F30	INRC	1807c	8CJ15	TOSJ	2616t	10EZ8.8T10	INRC	3168e	10Z24T5	INRC	3711e
6F40	INRC	2164c	8CK15	TOSJ	2656c	10EZ8.2T10	INRC	3239d	10Z25D	DIC	3886a
6F50	INRC	2410b	8CLI5	TOSJ	2737d	10EZ10T10	INRC	3341k	10Z27D	DIC	3708
6FC11	TOSJ	1807d	8CM15	TOSJ	2745m	10EZ12T10	INRC	3423h	10Z30D	DIC	3739
6G8	PLEB	2615b	8CN15	TOSJ	2791	10EZ15T10	INRC	3519g	10Z30T5	INRC	3774b
6GCI	GESY	4747	8G7	PLEB	2885f	10EZ18T10	INRC	3599d	10Z33D	DIC	3764
6GC11	TOSJ	2164d	8GH	RRC	560a	10EZ22T10	INRC	3658h	10Z38D	DIC	3774w
6GD1	GESY	4748	8XH	RRC	560b	10EZ27T10	INRC	3748e	10Z39D	DIC	3795s
6GH	RRC	526a	9A11P	FAN	629a	10FC11	TOSJ	1819c	10Z43D	DIC	3809n
6GX1	GESY	4749	9A12P	FAN	880	10G8N	SAR	11501	10Z45D	DIC	3826a
6HC11	TOSJ	2410c	9A13P	FAN	1151n	10G4	PLEB	2760	10Z47D	DIC	3832k
6JC11	TOSJ	2573b	9A14P	FAN	1162d	10GC11	TOSJ	2173c	10Z50D	DIC	3842v
6KC11	TOSJ	2643a	9AI5P	FAN	1301a	10H	SAR	951	10Z52D	DIC	3849a
6LC11	TOSJ	2715a	9A16P	FAN	1571	10HC11	TOSJ	2415c	10Z56D	DIC	3867a
6M4	PLEB	2484	9A17P	FAN	1579e	10J2	FTHF	654a	10Z62D	DIC	3882b
6MC11	TOSJ	2743g	9A18P	FAN	1662b	10J3P	SAR	1058e	10Z68D	DIC	3898a
6NC11	TOSJ	2780a	9A19P	FAN	2403a	10JC11	TOSJ	2578a	10Z75D	DIC	3911b
6RS20PH6RGD1	GESY	1161c	9A20P	FAN	2566a	10KC11	TOSJ	2643n	10Z82D	DIC	3930x
6RV8	INRC	3287d	9GA1-3C	IRC	45	10LC11	TOSJ	2717j	10Z91D	DIC	3944h
6RV8A	INRC	3287e	9GA4	IRC	357	10M14Z	MOTA	3450	10Z100D	DIC	3964b
6RV18	INRC	3585c	9LR2-9	IRC	4750	10M17Z	MOTA	3529	10Z105D	DIC	3973a
6RV16A	INRC	3565d	9LR2-24	IRC	4751	10M19Z	MOTA	3581g	10Z110D	DIC	3978a
6TB09R	TOSJ	950	9PA1	IRC	45a	10M25Z	MOTA	3686	10Z120D	DIC	3996f
6TC09R	TOSJ	1286c	9PA4	IRC	357a	10M45Z	MOTA	3826	10Z130D	DIC	4002b
6TC16R	TOSJ	1282b	9WM1	WESF	1110a	10M52Z	MOTA	3849	10Z140D	DIC	4014a
6TD16R	TOSJ	1546	9WM2	WESF	1523a	10M105Z	MOTA	3973	10Z150D	DIC	4019
6TE03W	TOSJ	1643a	9WM3	WESF	1885a	10M140Z	MOTA	4014	10Z175D	DIC	4034a
6TE16R	TOSJ	1636e	9WM4	WESF	2241a	10M175Z	MOTA	4034	10Z200D	DIC	4042
6TF16R	TOSJ	1906b	9WM5	WESF	2447c	10MC11	TOSJ	2743q	10ZB	SAR	1151a
6WM1	WESF	1104a	9WM6	WESF	2609b	10NC11	TOSJ	2782e	11J2	FTHF	917c
6WM2	WESF	1517a	9WM7	WESF	2650e	10Q3	SAR	1060	11R2	FTHF	1021b
6WM3	WESF	1879a	9WM8	WESF	2731e	10R2	FTHF	731b	11R4	FTHF	1122
6WM4	WESF	2236	9WM9	WESF	2745e	10R3P	SAR	1070	11Z4	FTHF	2984e
6WM5	WESF	2444	9WM10	WESF	2789d	10S3P	SAR	1101	12F5	INRC	762e
6WM6	WESF	2608	10A11P	FAN	810c	10T3P	SAR	1107c	12F10	INRC	1056f
6WM7	WESF	2650b	10A12P	FAN	1107b	10V3P	SAR	1126	12F15	INRC	1237b
6WM8	WESF	2731a	10A13P	FAN	1267e	10W3P	SAR	1128	12F20	INRC	1472f
6WM9	WESF	2745d	10A14P	FAN	1519c	10X3P	SAR	1143	12F30	INRC	1634e
6WM10	WESF	2789b	10A14P	FAN	1519c	10Y3P	SAR	1150e	12F40	INRC	2188e
6XC	RRC	890a	10A15P	FAN	1625e	10Z4.3T5	INRC	3019c	12F50	INRC	2425f
6XD	RRC	854b	10A17P	FAN	1964d	10Z4.7T20	INRC	3013d	12G4	PLEB	860e
6XH	RRC	526b	10A18P	FAN	2237b	10Z5.1T5	INRC	3072c	12J2	FTHF	1325d
6.8SC20	INRC	4466u	10A18P	FAN	2237b	10Z6.2T5	INRC	3156c	12P2	FTHF	532c
7B11P	FAN	629b	10A19P	FAN	2445b	10Z6.8D	DIC	3129k	12R2	FTHF	1438a
7B12P	FAN	880a	10A20P	FAN	2607c	10Z6.8T20	INRC	3129l	12R4	FTHF	1534a
7B13P	FAN	1151o	10AS	PLEB	434c	10Z7.8D	DIC	3181m	12Z4	FTHF	3063a
7B14P	FAN	1162e	10CC11	TOSJ	1225h	10Z7.5T5	INRC	3226c	13J2	FTHF	1684
7B15P	FAN	1301b	10CR10	CCA	605a	10Z8.2D	DIC	3211r	13P2	FTHF	527a
7B16P	FAN	1572	10CR15	CCA	610	10Z9.1D	DIC	3237l	13R2	FTHF	1797b
7B16P	FAN	1572	10CR25	CCA	615h	10Z9.1T5	INRC	3323d	13Z4	FTHF	3131b
7B17P	FAN	1579f	10CR50	CCA	751a	10Z10T20	INRC	3299	14J2	FTHF	2032a
7B18P	FAN	1632c	10CR75	CCA	881f	10Z11D	DIC	3326v	14P1	FTHF	2345
7B19P	FAN	2425e	10CR100	CCA	1043a	10Z11T5	INRC	3407e	14P2	FTHF	486b
7B20P	FAN	2586c	10CR150	CCA	1225j	10Z12D	DIC	3401	14R2	FTHF	2154b
7GH	RRC	554a	10CR200	CCA	1459a	10Z12D	DIC	3401	14Z4	FTHF	3211b
7MA10	SRC	950a	10CR300	CCA	1819a	10Z13D	DIC	3409a	15A11P	FAN	842a
7MA20	SRC	1364	10CR400	CCA	2173a	10Z13T5	INRC	3477j	15A12P	FAN	1139a
7MA30	SRC	1722c	10CR500	CCA	2415a	10Z14D	DIC	3451	15A13P	FAN	1266a
7MA40	SRC	2084f	10DC11	TOSJ	1459b	10Z15D	DIC	3476e	15A14P	FAN	1548g
7MA50	SRC	2349a	10ER10	CCA	605b	10Z15T20	INRC	3477	15A15P	FAN	1639b
7MA60	SRC	2515c	10ER15	CCA	610a	10Z16D	DIC	3489	15A18P	FAN	1978b
7TA03W	TOSJ	882c	10ER25	CCA	615j	10Z18D	DIC	3551	15A19P	FAN	2460a
7TB03W	TOSJ	1145a	10ER50	CCA	751b	10Z20D	DIC	3586d	15A20P	FAN	2616c
7TC03W	TOSJ	1287a	10ER75	CCA	881g	10Z20T5	INRC	3642c	15J2	FTHF	2299a
7TD03W	TOSJ	1550a	10ER100	CCA	1043b	10Z22D	DIC	3624	15P1	FTHF	416a
7XH	RRC	554b	10ER150	CCA	1225k	10Z22T20	INRC	3622c	15P2	FTHF	377d
8B15P	FAN	1301e	10ER200	CCA	1459c				15Q3	SAR	1289
8B17P	FAN	1579j	10ER300	CCA	1819b						
8CF15	TOSJ	1919a	10ER400	CCA	2173b						
8CG15	TOSJ	2276a	10ER500	CCA	2415b						

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
15R2	FTHF	2403b	25H40	INRJ	2241e	45M5	INRC	837	58C	HSDC	4606k
15Z4	FTHF	3317a	25H50	INRJ	2448a	45M10	INRC	1134	60AS	PLEB	600a
16A11P	FAN	851a	25H60	INRJ	2609e	45M15	INRC	1281	60J1	SAR	2541
16A12P	FAN	1149a	25HC11	TOSJ	2436	45M20	INRC	1547	60J2	SAR	2578b
16A13P	FAN	1251a	25JC11	TOSJ	2597	45M25	INRC	1638	60J3	SAR	2586d
16A14P	FAN	1554a	25KC11	TOSJ	2648a	45M30	INRC	1910	60LA	SAR	2547
16A15P	FAN	1645	25LC11	TOSJ	2728a	45M35	INRC	1977	60M	SAR	2504b
16A16P	FAN	1517a	25MC11	TOSJ	2745a	45M40	INRC	2264	60R3P	SAR	2590b
16A17P	FAN	1984	25NC11	TOSJ	2788a	45M45	INRC	2286	60S3P	SAR	2605
16A18P	FAN	2275	25PA1	IRC	624b	45M50	INRC	2455	60T3P	SAR	2607e
16A19P	FAN	2461	25PB16	IRC	1161e	45M60	INRC	2615	60V3P	SAR	2611a
16A20P	FAN	2616k	26P1	FTHF	164c	45M70	INRC	2655	60W3P	SAR	2616b
16J2	FTHF	2470c	28PA1	IRC	624e	45M80	INRC	2736	60X3P	SAR	2616g
16P1	FTHF	495f	28PB16	IRC	1161f	45P5	INRC	838	60Y3P	SAR	2616q
16P2	FTHF	160a	30J3P	SAR	1834f	45P10	INRC	1135	66-0708	INRJ	2485a
16Z4	FTHF	3406q	30Q3	SAR	1837	45P15	INRC	1282	66-0710	INRJ	2666
17P2	FTHF	73c	30R3P	SAR	1845b	45P20	INRC	1548	66-0712	INRJ	2793a
17Z4	FTHF	3477e	30S3P	SAR	1876	45P25	INRC	1639	70TB5	INRC	2551f
18J2	FTHF	2685h	30S3P	SAR	1880e	45P30	INRC	1911	70TB10	INRC	1150f
18P2	FTHF	8b	30T3P	SAR	1902	45P35	INRC	1978	70TB15	INRC	1291c
19P2	FTHF	8g	30V3P	SAR	1904	45P40	INRC	2265	70TB20	INRC	1555h
19PA1	IRC	624a	30W3P	SAR	1904	45P45	INRC	2287	70TB25	INRC	1648b
19PB16	IRC	1161d	30X3P	SAR	1915	45P50	INRC	2456	70TB30	INRC	1918c
20AS	PLEB	534c	30Y3P	SAR	1918b	45P60	INRC	2616	70TB35	INRC	1987f
20CR10	CCA	605c	35F05	SRC	804a	45P70	INRC	2656	70TB40	INRC	2275f
20CR15	CCA	610b	35F50	SRC	2442a	45P80	INRC	2737	70TB45	INRC	2288
20CR25	CCA	617c	40AS	PLEB	594d	45TB5	INRC	838a	70TB50	INRC	2461e
20CR50	CCA	774a	40J2	CDLF	1876b	45TB10	INRC	1135a	70TB60	INRC	2616r
20CR75	CCA	882a	40J3P	SAR	2188f	45TB15	INRC	1282a	70T5	INRJ	851g
20CR100	CCA	1070a	40P1	CDLF	4566e	45TB20	INRC	1548a	70U10	INRJ	1150g
20CR150	CCA	1243	40Q3	SAR	2190	45TB25	INRC	1639a	70U15	INRJ	1291d
20CR200	CCA	1485a	40Q4	SAR	2191	45TB30	INRC	1911a	70U20	INRJ	1555j
20CR300	CCA	1845	40R3P	SAR	2196b	45TB35	INRC	1978a	70U25	INRJ	1648c
20CR400	CCA	2196	40RAP	SAR	2197	45TB40	INRC	2265a	70U30	INRJ	1918d
20CR500	CCA	2428a	40S3P	SAR	2230	45TB45	INRC	2278c	70U40	INRJ	2275g
20ER10	CCA	605d	40SAP	SAR	2232	45TB50	INRC	2456a	70U50	INRJ	2461f
20ER15	CCA	610c	40T3P	SAR	2237c	45TB60	INRC	2616a	70U55	INRC	851h
20ER25	CCA	617d	40V3P	SAR	2254	46P1	CDLF	4556f	70UB5	INRC	1150h
20ER50	CCA	774b	40VAP	SAR	2256	50CC11	TOSJ	1267f	70UB10	INRC	1291e
20ER75	CCA	882b	40W3P	SAR	2258	50DC11	TOSJ	1520	70UB15	INRC	1555k
20ER100	CCA	1070b	40WAP	SAR	2263	50PC11	TOSJ	1881	70UB20	INRC	1648d
20ER150	CCA	1243a	40X3P	SAR	2271	50GC11	TOSJ	2237d	70UB25	INRC	1918e
20ER200	CCA	1485b	40XAP	SAR	2273	50HC11	TOSJ	2445c	70UB30	INRC	1987g
20ER300	CCA	1845a	40Y3P	SAR	2275e	50J1	SAR	2374a	70UB35	INRC	2275h
20ER400	CCA	2196a	44PA1	IRC	624f	50J2	SAR	2415d	70UB40	INRC	2289
20ER500	CCA	2429b	44PA6	IRC	1302a	50J3	SAR	2425g	70UB45	INRC	2461g
20G3N	SAR	1555m	45L5	INRC	836	50JC11	TOSJ	2607d	70UB50	INRC	2616s
20J3P	SAR	1472g	45L10	INRJ	1133a	50KC11	TOSJ	2650c	70UB60	INRC	3063d
20Q3	SAR	1475	45L15	INRC	1280	50LA	SAR	2381	72Z4	FTHF	3131d
20R3P	SAR	1485c	45L20	INRJ	1546a	50LC11	TOSJ	2731b	73Z4	FTHF	3211d
20S3P	SAR	1514	45L25	INRC	1637	50M	SAR	2336c	74Z4	FTHF	3317c
20T3P	SAR	1519d	45L30	INRJ	1909a	50M5Z	MOTA	3850	75Z4	FTHF	3406s
20V3P	SAR	1539	45L35	INRC	1976	50M140Z	MOTA	4015	77Z4	FTHF	3477d
20W3P	SAR	1541	45L40	INRJ	2263a	50M175Z	MOTA	4035	78Z4	FTHF	3532
20X3P	SAR	1552	45L45	INRC	2285	50MC11	TOSJ	2745c	79Z4	FTHF	3577a
20Y3P	SAR	1555g	45L50	INRJ	2454a	50NC11	TOSJ	2789a	80AS	PLEB	600d
20Z5	SAR	1558b	45L60	INRJ	2614a	50R3P	SAR	2425c	80Z4	FTHF	3633g
21RIA	FTHF	888	45L70	INRC	2654	50S3P	SAR	2443	81Z4	FTHF	3669a
22RIA	FTHF	878a	45L80	INRJ	2735a	50T3P	SAR	2445d	82Z4	FTHF	3709b
23RIA	FTHF	825	45LB5	INRC	836a	50V3P	SAR	2451b	83Z4	FTHF	3718g
24RIA	FTHF	614b	45LB10	INRC	1133b	50W3P	SAR	2456b	85P1	FTHF	178b
25CC11	TOSJ	1255	45LB15	INRC	1280a	50X3P	SAR	2460e	100CC11	TOSJ	1278b
25DC11	TOSJ	1500	45LB20	INRC	1546b	50Y3P	SAR	2461d	100DC11	TOSJ	1541a
25FC11	TOSJ	1861	45LB25	INRC	1637a	51C	HSDC	4606h	100FC11	TOSJ	1904a
25GC11	TOSJ	2214	45LB30	INRC	1909b	52C	HSDC	4606i	100GC11	TOSJ	2258a
25H5	INRJ	813c	45LB35	INRC	1978a	52Z4	FTHF	3063b	100HC11	TOSJ	2451c
25H10	INRJ	1116d	45LB40	INRC	2263b	53Z4	FTHF	3131c	100JC11	TOSJ	2611b
25H15	INRJ	1270f	45LB45	INRC	2278b	54Z4	FTHF	3211c	100KC11	TOSJ	2650g
25H20	INRJ	1523e	45LB50	INRC	2454b	55C	HSDC	4606j	100LC11	TOSJ	2731g
25H25	INRJ	1828f	45LB60	INRC	2614b	55Z4	FTHF	3317b	100MC11	TOSJ	2745f
25H30	INRJ	1885d				56Z4	FTHF	3406r			
						57Z4	FTHF	3477f			

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100NC11	TOSJ	2789e	240F10	SRC	1150a	600C	TII	72	2040	SYN	2194b
104Z4	FTHF	3012d	240F20	SRC	1555a	601C	TII	157	2050	SYN	2427b
105Z4	FTHF	3072g	240F30	SRC	1917f	604C	TII	1b	2060	SYN	2588b
108Z4	FTHF	3146b	240F40	SRC	22755	606C	TII	5	2070	SYN	2645j
107Z4	FTHF	3223c	240F50	SRC	2461b	608C	TII	10	2080	SYN	2724i
108Z4	FTHF	3286a	240F60	SRC	2616n	610C	TII	19	2105	SYN	790
109Z4	FTHF	3326g	240S2	FTHF	2145d	612C	TII	48	2110	SYN	1087a
110C	HSDC	4606m	250	IRC	187	614C	TII	106	2115	SYN	1257b
110Z4	FTHF	3402a	270	IRC	188	618C	TII	180	2125	SYN	1616b
111Z4	FTHF	3418f	300E	WESY	1833	620C	TII	275	2135	SYN	1853
112Z4	FTHF	3474a	300G	WESY	1972	622C	TII	407	2135	SYN	1953
113Z4	FTHF	3508a	302E	WESY	1593c	624C	TII	495	2150	SYN	2437
115Z4	FTHF	3543	302G	WESY	1963	630S2	FTHF	1894	2160	SYN	2597c
120C7	HSDC	4606n	303E	WESY	1942	640S2	FTHF	2247a	2170	SYN	2648c
120C8	HSDC	4606p	303G	WESY	1942	650C	TII	3009	2180	SYN	2728c
120C9	HSDC	4606q	303Z4	FTHF	2969c	650C0	TII	2988	2210	SYN	991c
120C10	HSDC	4606r	304Z4	FTHF	3013	650C1	TII	2999a	2220	SYN	1406c
120C11	HSDC	4606s	305Z4	FTHF	3072i	650C2	TII	3012	2230	SYN	1765c
120CG10	HSDC	4606t	307Z4	FTHF	3123e	650C3	TII	3012b	2240	SYN	2124c
120CG11	HSDC	4606u	308Z4	FTHF	3286c	650C4	TII	3015	2310	SYN	951d
120CG12	HSDC	4606v	309Z4	FTHF	3326i	650C5	TII	3016	2320	SYN	1406d
120CG13	HSDC	4606w	310Z4	FTHF	3402c	650C6	TII	3019	2330	SYN	1765d
120CG14	HSDC	4606x	311Z4	FTHF	3418h	650C7	TII	3020	2340	SYN	2124d
130	IRC	69	312Z4	FTHF	3474c	651C	TII	3049	3105	SYN	795a
150	IRC	70	313Z4	FTHF	3506c	651C0	TII	3023	3110	SYN	1092a
160E05	SRC	842b	315Z4	FTHF	3543b	651C1	TII	3053	3115	SYN	1255a
160E10	SRC	1140	316Z4	FTHF	3564b	651C2	TII	3067	3120	SYN	1506c
160E20	SRC	1548j	317Z4	FTHF	3602d	651C3	TII	3064	3125	SYN	1618a
160E30	SRC	1911h	319E	WESY	1624	651C4	TII	3066	3130	SYN	1866c
160E40	SRC	2269b	319G	WESY	1979	651C5	TII	3088	3135	SYN	1957
160E50	SRC	2460b	319Z4	FTHF	3628a	651C6	TII	3075	3140	SYN	2220a
160E60	SRC	2616d	320Z4	FTHF	3646e	651C7	TII	3080	3150	SYN	2439b
160F05	SRC	2460c	321Z4	FTHF	3688a	651C8	TII	3085	3160	SYN	2601a
160F60	SRC	2616e	322E	WESY	1640	651C9	TII	3100a	3170	SYN	2650a
170	IRC	71	322G	WESY	1980	652C	TII	3108	3180	SYN	2730a
200A	HSDC	4606y	322Z4	FTHF	3700a	652C0	TII	3112	3205	SYN	807a
200CC11	TOSJ	1255d	323Z4	FTHF	3709n	652C1	TII	3125	3210	SYN	1104b
200DC11	TOSJ	1552a	325Z4	FTHF	3718d	652C2	TII	3130	3215	SYN	1267a
200FC11	TOSJ	1915a	326E	WESY	1641	652C3	TII	3132	3220	SYN	1517b
200GC11	TOSJ	2273a	326G	WESY	1981	652C4	TII	3134	3225	SYN	1625a
200HC11	TOSJ	2460f	327E	WESY	1646	652C5	TII	3138	3230	SYN	1850
200JC11	TOSJ	2818h	327G	WESY	1985	652C6	TII	3144	3235	SYN	1964a
200KC11	TOSJ	2656b	328E	WESY	1647	652C7	TII	3158	3240	SYN	2236a
200LC11	TOSJ	2737a	328G	WESY	1858	652C8	TII	3160	3250	SYN	2444a
200MC11	TOSJ	2745j	329E	WESY	1642	652C9	TII	3162	3260	SYN	2607
200NC11	TOSJ	2790b	329G	WESY	1982	653C	TII	3193	3270	SYN	2850d
205Z4	FTHF	3072h	330S2	FTHF	1789e	653C0	TII	3167	3280	SYN	2731c
206Z4	FTHF	3146c	335E	WESY	1648	653C1	TII	3197	3305	SYN	813d
207Z4	FTHF	3223d	339G	WESY	1987	653C2	TII	3198	3310	SYN	1110e
208Z4	FTHF	32885	340S2	FTHF	2145e	653C3	TII	3205	3315	SYN	1270g
209Z4	FTHF	3326h	400E05	SRC	851j	653C4	TII	3212	3325	SYN	1628g
210Z4	FTHF	3402b	400E10	SRC	1150k	653C5	TII	3224	3330	SYN	1885e
211Z4	FTHF	3418g	400E20	SRC	1557	653C6	TII	3226	3335	SYN	1967f
212Z4	FTHF	3474b	400E30	SRC	1918g	653C7	TII	3235	3350	SYN	2448b
213Z4	FTHF	3506b	400E40	SRC	2275k	653C8	TII	3247	3360	SYN	2609f
215Z4	FTHF	3543a	400E50	SRC	2461j	653C9	TII	3275	3370	SYN	2650f
220C	HSDC	4606z	400E60	SRC	2616u	654C9	TII	3318	3380	SYN	2731f
220C8	HSDC	4607	400F05	SRC	851k	1110	SYN	991b	4005	SYN	826
220C9	HSDC	4607a	400F50	SRC	2461k	1120	SYN	1406b	4010	SYN	1122b
220C10	HSDC	4607b	400F60	SRC	2818v	1130	SYN	1765b	4015	SYN	1278a
230	IRC	186	439A	WESY	851d	1140	SYN	2124b	4020	SYN	1534c
230S2	FTHF	1789d	439B	WESY	1150c	2005	SYN	7885	4025	SYN	18355
240E05	SRC	8515	439C	WESY	1291b	2010	SYN	1064b	4030	SYN	1898
240E10	SRC	1150	439D	WESY	1555b	2015	SYN	1242b	4035	SYN	1974a
240E20	SRC	1555	439E	WESY	1648a	2020	SYN	1479b	4040	SYN	2252
240E30	SRC	1917e	439F	WESY	1917g	2025	SYN	1604b	4105	SYN	833
240E40	SRC	2275a	439G	WESY	1987a	2030	SYN	1841c	4110	SYN	1130
240E50	SRC	2461a	439H	WESY	2275c	2035	SYN	1942b	4115	SYN	1279c
240E60	SRC	2616m	439K	WESY	2461c				4120	SYN	1542d
240F05	SRC	851c	439M	WESY	2616p				4125	SYN	1636c

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4130	SYN	1905d	AG3512	GIC	1937	AM65	GIC	2496	AV4	ASC	3341l
4135	SYN	1975a	AG4012	GIC	2174	AM66	GIC	2476	AV5	ASC	3433b
4140	SYN	2260a	AG5012	GIC	2416	AM67	GIC	2553	AV6	ASC	3499b
5005	SYN	833a	AG6012	GIC	2579	AM405	GIC	641a	AV7	ASC	3577d
5010	SYN	1130c	AH805	GIC	2685c	AM410	GIC	897a	AV8	ASC	3677b
5015	SYN	1279d	AH810	GIC	2666a	AM415	GIC	1176	AV9	ASC	3753b
5020	SYN	1543b	AH815	GIC	2667c	AM420	GIC	1307a	AV10	ASC	3787d
5025	SYN	1636d	AH1005	GIC	2748c	AM425	GIC	1580	AV11	ASC	3825d
5030	SYN	1906	AH1010	GIC	2748b	AM430	GIC	1665a	AV12	ASC	3862d
5035	SYN	1975b	AH1015	GIC	2749c	AM435	GIC	1925b	AV13	ASC	3893m
5040	SYN	2260c	AH1205	GIC	2792d	AM440	GIC	2020a	AV14	ASC	3924d
5105	SYN	842d	AH1210	GIC	2793b	AM450	GIC	2298a	AV15	ASC	3952e
5110	SYN	1140a	AH1505	GIC	2828b	AM460	GIC	2470a	AV16	ASC	3985j
5115	SYN	1286b	AH1510	GIC	2834a	AM0505	GIC	732	AV17	ASC	4008
5120	SYN	1548k	AJ5	ASC	645a	AM0510	GIC	753	AV18	ASC	4032j
5125	SYN	1643	AJ10	ASC	903a	AM0520	GIC	775	AV19	ASC	4058
5130	SYN	1911j	AJ15	ASC	1177b	AM1005	GIC	1022	AV104	ASC	3341m
5135	SYN	1982a	AJ20	ASC	1313a	AM1010	GIC	1045	AV105	ASC	3433c
5140	SYN	2269c	AJ25	ASC	1582	AM1020	GIC	1071	AV106	ASC	3499c
6694A	RCAS	4579k	AJ30	ASC	1673	AM1505	GIC	1217	AV107	ASC	3577d
6957	RCAS	4627	AJ35	ASC	1926b	AM1510	GIC	1227	AV108	ASC	3677g
7183	RCAS	4628	AJ40	ASC	2027a	AM1520	GIC	1244	AV109	ASC	3753c
7223	RCAS	4579m	AJ50	ASC	2303	AM2005	GIC	1439	AV110	ASC	3787e
7412	RCAS	4628a	AJ60	ASC	2474	AM2010	GIC	1461	AV111	ASC	3825e
7467	RCAS	4579n	AM005	GIC	650b	AM2020	GIC	1486	AV112	ASC	3862e
7536	RCAS	4579p	AM010	GIC	911a	AM2505	GIC	1594	AV113	ASC	3893n
7543	RCAS	4629	AM015	GIC	1178	AM2510	GIC	1598	AV114	ASC	3924e
A2	INRC	4629a	AM020	GIC	1319	AM2520	GIC	1606	AV115	ASC	3952f
A3	INRC	4629b	AM025	GIC	1584b	AM3005	GIC	1798	AV116	ASC	3985k
A5	INRC	4629c	AM030	GIC	1677a	AM3010	GIC	1821	AV117	ASC	4009
A5M	INRC	4629d	AM035	GIC	1927b	AM3020	GIC	1846	AV118	ASC	4032k
A7	INRC	4629e	AM040	GIC	2033a	AM3505	GIC	1934	AV119	ASC	4057
A7M	INRC	4629f	AM050	GIC	2313a	AM3510	GIC	1938	AV304	ASC	3341n
A10	INRC	4629g	AM060	GIC	2483b	AM3520	GIC	1944	AV305	ASC	3433d
A10M	INRC	4629h	AM1	GIC	692	AM4005	GIC	2155	AV306	ASC	3499d
A15	INRC	4629i	AM2	GIC	660	AM4010	GIC	2175	AV307	ASC	3577e
A15M	INRC	4629j	AM3	GIC	846	AM4020	GIC	2199	AV308	ASC	3677h
A30	INRC	4629k	AM4	GIC	693	AM5005	GIC	2403c	AV309	ASC	3753d
AA1	ASC	3101c	AM5	GIC	661	AM5010	GIC	2416a	AV310	ASC	3787f
AA2	ASC	3180a	AM7	GIC	717	AM6005	GIC	2566b	AV311	ASC	3825f
AA3	ASC	3248a	AM11	GIC	962	AM6010	GIC	2579a	AV312	ASC	3862f
AA4	ASC	3296d	AM12	GIC	925	AP710	GIC	2621e	AV313	ASC	3893p
AA5	ASC	3433a	AM13	GIC	904	AP720	GIC	2622a	AV314	ASC	3924f
AA8	ASC	3499a	AM17	GIC	998	AP730	GIC	2624b	AV315	ASC	3952g
AA7	ASC	3577b	AM21	GIC	1374	AP810	GIC	2666b	AV316	ASC	3985m
AA8	ASC	3677a	AM22	GIC	1334	AP820	GIC	2671	AV317	ASC	4010
AA9	ASC	3753a	AM23	GIC	1314	AP830	GIC	2678c	AV318	ASC	4032m
AA10	ASC	3787c	AM24	GIC	1375	AP1010	GIC	2748c	AV319	ASC	4058
AA11	ASC	3825c	AM27	GIC	1415	AP1020	GIC	2753	AV2010	ASC	3401e
AA12	ASC	3862c	AM31	GIC	1733	AS1	ASC	650c	AV2011	ASC	3415c
AA13	ASC	3893k	AM32	GIC	1692	AS2	ASC	911b	AV2012	ASC	3470h
AA14	ASC	3924c	AM33	GIC	1673a	AS2X1E	RRC	4752	AV2013	ASC	3487
AA15	ASC	3952d	AM34	GIC	1733a	AS3	ASC	1319a	AV2014	ASC	3530
AA16	ASC	3985h	AM37	GIC	1775	AS3X2E	RRC	4753	AV2015	ASC	3552a
AA20	VIC	1414h	AM41	GIC	2053	AS4	ASC	1677b	AV2016	ASC	3564c
AA30	VIC	1774h	AM42	GIC	2048	AS4X2E	RRC	4754	AV2017	ASC	3602a
AA40	VIC	2131h	AM43	GIC	2028	AS5	ASC	2033b	AV2018	ASC	3624a
AA50	VIC	2386e	AM44	GIC	2094	AS5X3E	RRC	4755	AV2019	ASC	3640
AA60	VIC	2552e	AM47	GIC	2132	AS6	ASC	2313b	AV2020	ASC	3650a
AA711	PHIN	4200c	AM51	GIC	2355	AS6S3E	RRC	4756	AV2021	ASC	3688b
AAZ10	TFKG	4141a	AM52	GIC	2328	AS6X4E	RRC	4757	AV2022	ASC	3696
AAZ15	PHIN	309j	AM53	GIC	2304	AS7X5E	RRC	4758	AV2023	ASC	3709j
AAZ17	PHIN	4172a	AM54	GIC	2356	AS8X4E	RRC	4759	AV2024	ASC	3718a
AAZ18	PHIN	4128d	AM55	GIC	2327	AS8X6E	RRC	4760	AV2025	ASC	3748x
AG0512	GIC	752	AM56	GIC	2305	AS11	ASC	670a	AV2026	ASC	3756f
AG1012	GIC	1044	AM57	GIC	2387	AS12	ASC	935b	AV2027	ASC	3764b
AG1512	GIC	1226	AM61	GIC	2522	AS13	ASC	1345b	AV2028	ASC	3772j
AG2012	GIC	1460	AM62	GIC	2495	AS14	ASC	1704b	AV2029	ASC	3772p
AG2512	GIC	1597	AM63	GIC	2475	AS15	ASC	2062c	AV2030	ASC	3778e
AG3012	GIC	1820	AM64	GIC	2523	AS16	ASC	2336d	AV2031	ASC	3793e

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AV2032	ASC	3796e	AV2110	ASC	4003e	AV4061	ASC	3909g	AV8020	ASC	3650c
AV2033	ASC	3799g	AV2115	ASC	4015a	AV4062	ASC	3911d	AV8021	ASC	3688d
AV2034	ASC	3807c	AV2120	ASC	4018g	AV4063	ASC	3919n	AV8022	ASC	3698
AV2035	ASC	3808	AV2125	ASC	4019a	AV4064	ASC	3927e	AV8023	ASC	3709m
AV2036	ASC	3818v	AV2130	ASC	4021a	AV4065	ASC	3927e	AV8024	ASC	3716c
AV2037	ASC	3826b	AV2135	ASC	4026a	AV4066	ASC	3930h	AV8025	ASC	3748z
AV2038	ASC	3831e	AV2140	ASC	4032t	AV4067	ASC	3932	AV8026	ASC	3756h
AV2039	ASC	3833a	AV2145	ASC	4035c	AV4068	ASC	3932c	AV8027	ASC	3764d
AV2040	ASC	3842e	AV2150	ASC	4038q	AV4069	ASC	3940f	AV8028	ASC	3772m
AV2041	ASC	3842w	AV2155	ASC	4038u	AV4070	ASC	3940m	AV8029	ASC	3772r
AV2042	ASC	3846e	AV2160	ASC	4038y	AV4071	ASC	3940q	AV8030	ASC	3778g
AV2043	ASC	3850a	AV2165	ASC	4043a	AV4072	ASC	3940t	AV8031	ASC	3793g
AV2044	ASC	3864a	AV2170	ASC	4061	AV4073	ASC	3942f	AV8032	ASC	3796g
AV2045	ASC	3864d	AV2175	ASC	4065	AV4074	ASC	3942f	AV8033	ASC	3799j
AV2046	ASC	3868b	AV2180	ASC	4068	AV4075	ASC	3944k	AV8034	ASC	3807e
AV2047	ASC	3874g	AV2185	ASC	4083	AV4076	ASC	3952b	AV8035	ASC	3808b
AV2048	ASC	3876c	AV2190	ASC	4086	AV4077	ASC	3952b	AV8036	ASC	3818x
AV2049	ASC	3878g	AV2195	ASC	4090a	AV4078	ASC	3960e	AV8037	ASC	3827a
AV2050	ASC	3880a	AV2200	ASC	4090d	AV4079	ASC	3960h	AV8038	ASC	3831g
AV2051	ASC	3882c	AV4010	ASC	3401f	AV4080	ASC	3962g	AV8039	ASC	3834a
AV2052	ASC	3888m	AV4011	ASC	3416d	AV4081	ASC	3962k	AV8040	ASC	3842g
AV2053	ASC	3893g	AV4012	ASC	3470j	AV4082	ASC	3964d	AV8041	ASC	3843
AV2054	ASC	3894b	AV4013	ASC	3487a	AV4083	ASC	3968b	AV8042	ASC	3846g
AV2055	ASC	3897b	AV4014	ASC	3531	AV4084	ASC	3971g	AV8043	ASC	3850c
AV2056	ASC	3898b	AV4015	ASC	3552b	AV4085	ASC	3972b	AV8044	ASC	3864c
AV2057	ASC	3906k	AV4016	ASC	3564d	AV4086	ASC	3973c	AV8045	ASC	3864f
AV2058	ASC	3907b	AV4017	ASC	3602b	AV4087	ASC	3973g	AV8046	ASC	3868d
AV2059	ASC	3907f	AV4018	ASC	3624b	AV4088	ASC	3973k	AV8047	ASC	3874j
AV2060	ASC	3907q	AV4019	ASC	3640a	AV4089	ASC	3975f	AV8048	ASC	3876e
AV2061	ASC	3909f	AV4020	ASC	3650b	AV4090	ASC	3978c	AV8049	ASC	3878j
AV2062	ASC	3911c	AV4021	ASC	3688c	AV4091	ASC	3978f	AV8050	ASC	3880c
AV2063	ASC	3919m	AV4022	ASC	3697	AV4092	ASC	3988b	AV8051	ASC	3882e
AV2064	ASC	3927a	AV4023	ASC	3709k	AV4093	ASC	3993g	AV8052	ASC	3888p
AV2065	ASC	3927d	AV4024	ASC	3718b	AV4094	ASC	3993k	AV8053	ASC	3893j
AV2066	ASC	3930g	AV4025	ASC	3748y	AV4095	ASC	3993p	AV8054	ASC	3895a
AV2067	ASC	3931	AV4026	ASC	3756g	AV4096	ASC	3993s	AV8055	ASC	3895d
AV2068	ASC	3932b	AV4027	ASC	3764c	AV4097	ASC	3994k	AV8056	ASC	3898d
AV2069	ASC	3940e	AV4028	ASC	3772k	AV4098	ASC	3996m	AV8057	ASC	3906n
AV2070	ASC	3940k	AV4029	ASC	3772q	AV4099	ASC	3996g	AV8058	ASC	3907d
AV2071	ASC	3940p	AV4030	ASC	3776f	AV4100	ASC	3998e	AV8059	ASC	3907h
AV2072	ASC	3940s	AV4031	ASC	3793f	AV4105	ASC	4001m	AV8060	ASC	3907s
AV2073	ASC	3942e	AV4032	ASC	3796f	AV4110	ASC	4003f	AV8061	ASC	3909h
AV2074	ASC	3942s	AV4033	ASC	3799h	AV4115	ASC	4015b	AV8062	ASC	3911e
AV2075	ASC	3944j	AV4034	ASC	3807d	AV4120	ASC	4018h	AV8063	ASC	3919p
AV2076	ASC	3952a	AV4035	ASC	3808a	AV4125	ASC	4019b	AV8064	ASC	3927c
AV2077	ASC	3960a	AV4036	ASC	3818w	AV4130	ASC	4021b	AV8065	ASC	3927f
AV2078	ASC	3960d	AV4037	ASC	3827	AV4135	ASC	4026b	AV8066	ASC	3930j
AV2079	ASC	3960g	AV4038	ASC	3831f	AV4140	ASC	4032u	AV8067	ASC	3932a
AV2080	ASC	3962f	AV4039	ASC	3834	AV4145	ASC	4035d	AV8068	ASC	3932d
AV2081	ASC	3962j	AV4040	ASC	3842f	AV4150	ASC	4038r	AV8069	ASC	3940g
AV2082	ASC	3964c	AV4041	ASC	3842x	AV4155	ASC	4038v	AV8070	ASC	3940n
AV2083	ASC	3968a	AV4042	ASC	3846f	AV4160	ASC	4038z	AV8071	ASC	3940r
AV2084	ASC	3971p	AV4043	ASC	3850b	AV4165	ASC	4043b	AV8072	ASC	3940u
AV2085	ASC	3972a	AV4044	ASC	3864b	AV4170	ASC	4062	AV8073	ASC	3942g
AV2086	ASC	3973b	AV4045	ASC	3864e	AV4175	ASC	4066	AV8074	ASC	3942u
AV2087	ASC	3973f	AV4046	ASC	3868c	AV4180	ASC	4069	AV8075	ASC	3944m
AV2088	ASC	3973j	AV4047	ASC	3874h	AV4185	ASC	4084	AV8076	ASC	3952c
AV2089	ASC	3975e	AV4048	ASC	3876d	AV4190	ASC	4087	AV8077	ASC	3960c
AV2090	ASC	3978b	AV4049	ASC	3878h	AV4195	ASC	4090b	AV8078	ASC	3960f
AV2091	ASC	3978e	AV4050	ASC	3880b	AV4200	ASC	4090e	AV8079	ASC	3960j
AV2092	ASC	3988a	AV4051	ASC	3882d	AV8010	ASC	3401g	AV8080	ASC	3962h
AV2093	ASC	3993f	AV4052	ASC	3888n	AV8011	ASC	3416e	AV8081	ASC	3962m
AV2094	ASC	3993j	AV4053	ASC	3893h	AV8012	ASC	3470k	AV8082	ASC	3964e
AV2095	ASC	3993n	AV4054	ASC	3895	AV8013	ASC	3487b	AV8083	ASC	3968c
AV2096	ASC	3993r	AV4055	ASC	3897c	AV8014	ASC	3531a	AV8084	ASC	3971r
AV2097	ASC	3994j	AV4056	ASC	3898c	AV8015	ASC	3552e	AV8085	ASC	3972c
AV2098	ASC	3998k	AV4057	ASC	3906m	AV8016	ASC	3564e	AV8086	ASC	3973d
AV2099	ASC	3996p	AV4058	ASC	3907c	AV8017	ASC	3602c	AV8087	ASC	3973h
AV2100	ASC	3996s	AV4059	ASC	3907g	AV8018	ASC	3624c	AV8088	ASC	3974
AV2105	ASC	4001k	AV4060	ASC	3907r	AV8019	ASC	3640c	AV8089	ASC	3975g

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AV8090	ASC	3978d	B240	SYN	2194c	BB118	BRA	2625c	BD106	BRA	2336j
AV8091	ASC	3978g	B284	BRI	1821a	BB119	BRA	2682f	BD107	BRA	2504h
AV8092	ASC	3988c	B285	BRI	2175a	BB121	BRA	671d	BD108	BRA	2625e
AV8093	ASC	3993h	B286	BRI	2416b	BB122	BRA	935f	BD109	BRA	2682j
AV8094	ASC	3993m	B287	BRI	2579b	BB123	BRA	1345f	BD111	BRA	671f
AV8095	ASC	3993q	B288	BRI	2721a	BB124	BRA	1704f	BD112	BRA	935h
AV8096	ASC	3993t	B289	BRI	2786a	BB125	BRA	2082g	BD113	BRA	1345h
AV8097	ASC	3994m	B290	BRI	2815a	BB126	BRA	2336h	BD114	BRA	1704h
AV8098	ASC	3995n	B291	BRI	1704c	BB127	BRA	2504f	BD115	BRA	2062k
AV8099	ASC	3996r	B292	BRI	2082d	BB128	BRA	2625d	BD116	BRA	2336k
AV8100	ASC	3996u	B293	BRI	2336e	BB129	BRA	2682g	BD117	BRA	2504i
AV8105	ASC	4001n	B294	BRI	2504c	BB1001	BRA	2742a	BD118	BRA	2625f
AV8110	ASC	4003d	B295	BRI	2682d	BB1002	BRA	2768b	BD119	BRA	2682k
AV8115	ASC	4015c	B296	BRI	935c	BB1101	BRA	2742b	BD121	BRA	671g
AV8120	ASC	4018j	B297	BRI	1184b	BB1102	BRA	2768c	BD122	BRA	935i
AV8125	ASC	4019c	B298	BRI	1345c	BB1201	BRA	2742c	BD123	BRA	1345i
AV8130	ASC	4021c	B299	BRI	1587a	BB1202	BRA	2768d	BD124	BRA	1704j
AV8135	ASC	4026c	B305	SYN	790a	BEMRA10	ITC	3314a	BD125	BRA	2062m
AV8140	ASC	4033	B310	SYN	1087b	BEMRA11	ITC	3314b	BD126	BRA	2336m
AV8145	ASC	4035e	B320	SYN	1501c	BEMRA12	ITC	3314c	BD127	BRA	2504j
AV8150	ASC	4038s	B330	SYN	1863a	BEMRA13	ITC	3314d	BD128	BRA	2625g
AV8155	ASC	4038w	B340	SYN	2215c	BEMRA14	ITC	3314e	BD129	BRA	2682m
AV8160	ASC	4039	B443	BEN	762f	BEMRA15	ITC	3314f	BD1001	BRA	2742d
AV8165	ASC	4043c	B444	BEN	1058g	BC100	INRC	831a	BD1002	BRA	2768f
AV8170	ASC	4063	B445	BEN	1472h	BC101	BRA	693a	BD1101	BRA	2742e
AV8175	ASC	4067	B446	BEN	1834g	BC102	BRA	962a	BD1102	BRA	2768g
AV8180	ASC	4070	B447	BEN	2188g	BC103	BRA	1375a	BD1201	BRA	2742f
AV8185	ASC	4085	B448	BEN	2425h	BC104	BRA	1734	BD1202	BRA	2768h
AV8190	ASC	4088	B449	BEN	2588e	BC105	BRA	2092a	BE101	BRA	671h
AV8195	ASC	4090c	B505	SYN	807b	BC106	BRA	2356a	BE102	BRA	935j
AV8200	ASC	4090f	B510	SYN	1104c	BC107	BRA	2523a	BE103	BRA	1345j
AZ1	ASC	3101d	B520	SYN	1517c	BC108	BRA	2626c	BE104	BRA	1704k
AZ2	ASC	3180b	B530	SYN	1880a	BC109	BRA	2690b	BE105	BRA	2082n
AZ3	ASC	3248b	B540	SYN	2238b	BC203	BRA	1384a	BE106	BRA	2336n
AZ4	ASC	3298e	B2200	BRI	2894d	BC204	BRA	1722d	BE107	BRA	2504k
AZ5	ASC	3433e	B2201	BRI	2894e	BC205	BRA	2084g	BE108	BRA	2625h
AZ6	ASC	3499e	B2202	BRI	2894f	BC206	BRA	2349b	BE109	BRA	2682n
AZ7	ASC	3577f	BA20	VIC	1449	BC207	BRA	2515d	BE111	BRA	671i
AZ8	ASC	3677e	BA30	VIC	1808	BC208	BRA	2625s	BE112	BRA	935k
AZ9	ASC	3753e	BA40	VIC	2185	BC209	BRA	2685k	BE113	BRA	1345k
AZ10	ASC	3787g	BA50	VIC	2411	BC305	BRA	2082h	BE114	BRA	1704m
AZ11	ASC	3825g	BA60	VIC	2574	BC307	BRA	2504g	BE115	BRA	2062p
AZ12	ASC	3862g	BA100	PHIN	191c	BC309	BRA	2682h	BE116	BRA	2336p
AZ13	ASC	3898g	BA101	TFKG	4482e	BC1001	BRA	2742r	BE117	BRA	2504i
AZ14	ASC	3924g	BA102	PHIN	4486a	BC1002	BRA	2770a	BE118	BRA	2625i
AZ15	ASC	3952h	BA103	SING	602	BC2001	BRA	2742n	BE119	BRA	2682p
AZ16	ASC	3985n	BA104	SING	895d	BC2002	BRA	2764d	BE121	BRA	671j
AZ17	ASC	4011	BA105	SING	1664b	BC2003	BRA	2792c	BE122	BRA	935l
AZ18	ASC	4032h	BA108	SING	840b	BC2004	BRA	2801e	BE123	BRA	1345l
AZ19	ASC	4059	BA410	TKAD	4468h	BC2007	BRA	2850	BE124	BRA	1704n
AZ20	ASC	4093a	BA410 /C7	TKAD	4467	BC2010	BRA	2875b	BE125	BRA	2062q
B1	INRC	4629l	BA410 /C10	TKAD	4468	BC2012	BRA	2888d	BE126	BRA	2336q
B2	INRC	4629m	BA410 /C15	TKAD	4475e	BC3002	BRA	2783e	BE127	BRA	2504m
B4	INRC	4629n	BA410 /C20	TKAD	4477c	BC3004	BRA	2801b	BE128	BRA	2625j
B5	INRC	4629p	BB101	BRA	671b	BC3007	BRA	2849	BE129	BRA	2682q
B10	INRC	4629q	BB102	BRA	935d	BC3010	BRA	2875a	BE1001	BRA	2742g
B10M	INRC	4629r	BB103	BRA	1345d	BC3012	BRA	2888a	BE1002	BRA	2763i
B15	INRC	4629s	BB104	BRA	1704d	BC3015	BRA	2894g	BE1101	BRA	2742h
B17	INRC	4629t	BB105	BRA	2062e	BC3017	BRA	2901e	BE1102	BRA	2763j
B20	INRC	4629u	BB106	BRA	2336f	BC3020	BRA	2901g	BE1201	BRA	2742i
B30	INRC	4629v	BB107	BRA	2504d	BC3022	BRA	2905f	BE1202	BRA	2763k
B200	BRI	671	BB108	BRA	2625b	BD1	TEC	4762a	BL173	BOM	4383b
B203	BEN	4761	BB109	BRA	2682e	BDIA	TEC	4782b	BL195	BOM	4370b
B204	BEN	4762	BB111	BRA	671c	BD1B	TEC	4762c	BTZ10	AEG	4636e
B205	BEN	621b	BB112	BRA	935e	BD5	TEC	4762d	BTZ11	AEG	4636f
B205	SYN	788c	BB113	BRA	1345e	BD101	BRA	671e	BTZ12	AEG	4636g
B208	BEN	620e	BB114	BRA	1704e	BD102	BRA	935g	BTZ13	AEG	4636h
B210	SYN	1064e	BB115	BRA	2062f	BD103	BRA	1345g	BY101	BRA	671k
B220	SYN	1479e	BB116	BRA	2336g	BD104	BRA	1704g	BY102	BRA	963
B230	SYN	1841d	BB117	BRA	2504e	BD105	BRA	2062j	BY103	BRA	1375b

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
BY104	BRA	1734a	BY722	BRA	1031e	C10H	GESY	1593f	CA152DA	ITT	1397a
BY105	BRA	2094b	BY723	BRA	1448g	C10U	GESY	615a	CA152FA	ITT	1756a
BY106	BRA	2356b	BY724	BRA	1807g	C11A	GESY	1013a	CA152HA	ITT	2115a
BY107	BRA	2523b	BY725	BRA	2164g	C11B	GESY	1428f	CA152KA	ITT	2374c
BY108	BRA	2626d	BY726	BRA	2410f	C11C	GESY	1789g	CA152MA	ITT	2541a
BY109	BRA	2690c	BY727	BRA	2573e	C11D	GESY	2145g	CA152PA	ITT	2635a
BY111	BRA	693c	BY728	BRA	2643g	C11F	GESY	721a	CA152RA	ITT	2701a
BY112	BRA	983a	BY729	BRA	2717d	C11G	GESY	1210a	CB15	INRJ	2831a
BY113	BRA	1375c	BY801	BRA	762g	C11H	GESY	1593g	CB15M	INRJ	2844a
BY114	BRA	1734b	BY802	BRA	1058h	C11U	GESY	615b	CB18	INRJ	2869a
BY115	BRA	2094c	BY803	BRA	1472i	C36A	GESY	1045a	CB18M	INRJ	2873a
BY116	BRA	2356c	BY804	BRA	1834h	C36B	GESY	1461a	CC102BA	ITT	965
BY117	BRA	2523c	BY805	BRA	2188h	C36C	GESY	1821b	CC102DA	ITT	1377
BY118	BRA	2626e	BY806	BRA	2425j	C36D	GESY	2175b	CC102FA	ITT	1736
BY119	BRA	2690d	BY807	BRA	2586f	C36F	GESY	753a	CC102HA	ITT	2096
BY121	BRA	693d	BY808	BRA	2645e	C36G	GESY	1227a	CC102KA	ITT	2358
BY122	BRA	963b	BY809	BRA	2724d	C36H	GESY	1598a	CC102MA	ITT	2525
BY123	BRA	1375d	BY811	BRA	762h	C36U	GESY	616	CC102PA	ITT	2628
BY124	BRA	1734c	BY812	BRA	1056j	C40A	GESY	1022a	CC102RA	ITT	2692
BY125	BRA	2094d	BY813	BRA	1472j	C40B	GESY	1439a	CC152AA	ITT	704c
BY126	BRA	2356d	BY814	BRA	1834j	C40C	GESY	1798a	CC152BA	ITT	980
BY127	BRA	2523d	BY815	BRA	2188j	C40F	GESY	732a	CC152DA	ITT	1397b
BY128	BRA	2626f	BY816	BRA	2425k	C40G	GESY	1217a	CC152FA	ITT	1756b
BY129	BRA	2690e	BY817	BRA	2586g	C40H	GESY	1594a	CC152HA	ITT	2115b
BY201	BRA	714d	BY818	BRA	2645f	C40U	GESY	615c	CC152KA	ITT	2374d
BY202	BRA	995d	BY819	BRA	2724e	C50A	GESY	1117	CC152MA	ITT	2541b
BY203	BRA	1410d	BY821	BRA	762j	C50B	GESY	1531	CC152PA	ITT	2635b
BY204	BRA	1770d	BY822	BRA	1058k	C50C	GESY	1894a	CC152RA	ITT	2701b
BY205	BRA	2127e	BY823	BRA	1472k	C50D	GESY	2248	CD1111	CDC	110
BY206	BRA	2382e	BY824	BRA	1834k	C50F	GESY	820	CD1112	CDC	307
BY207	BRA	2548e	BY825	BRA	2188k	C50G	GESY	1275	CD1113	CDC	480
BY208	BRA	2637e	BY826	BRA	2425m	C50H	GESY	1633a	CD1114	CDC	524
BY209	BRA	2704d	BY827	BRA	2588h	C50U	GESY	617f	CD1115	CDC	552
BY211	BRA	714e	BY828	BRA	2645g	C55A	GESY	1129c	CD1116	CDC	576
BY212	BRA	995e	BY829	BRA	2724f	C55B	GESY	1542c	CD1117	CDC	2955
BY213	BRA	1410e	BY1001	BRA	2742s	C55C	GESY	1905c	CD1121	CDC	648a
BY214	BRA	1770e	BY1002	BRA	2770b	C55F	GESY	832c	CD1122	CDC	904a
BY215	BRA	2127f	BY1101	BRA	2742t	C55G	GESY	1279b	CD1123	CDC	1578a
BY216	BRA	2382f	BY1102	BRA	2770c	C55H	GESY	1636b	CD1124	CDC	1178
BY217	BRA	2548f	BY1201	BRA	2742u	C55U	GESY	617h	CD1125	CDC	1314a
BY218	BRA	2637f	BY1202	BRA	2770d	C60	AMP	4557	CD1126	CDC	1583
BY219	BRA	2704e	BY2001	BRA	2743a	C60A	GESY	1107d	CD1127	CDC	1673b
BY221	BRA	714f	BY2002	BRA	2775	C60B	GESY	1520a	CD1141	CDC	246a
BY222	BRA	995f	BY2101	BRA	2743b	C60C	GESY	1881a	CD1142	CDC	458a
BY223	BRA	1410f	BY2102	BRA	2776	C60F	GESY	810d	CD1143	CDC	507a
BY224	BRA	1770f	BY2201	BRA	2743c	C60G	GESY	1267g	CD1147	CDC	254a
BY225	BRA	2127g	BY2202	BRA	2776a	C60H	GESY	1625f	CD1148	CDC	461h
BY226	BRA	2382g	BY7001	BRA	2743m	C60U	GESY	617e	CD1149	CDC	508a
BY227	BRA	2548g	BY7002	BRA	2782b	C67	AMP	339	CD1151	CDC	557e
BY228	BRA	2637g	BY7101	BRA	2743n	C68	AMP	388	CD3122	CDC	3085c
BY229	BRA	2704f	BY7102	BRA	2782c	C89	AMP	332	CD3123	CDC	3132a
BY701	BRA	742d	BY7201	BRA	2743p	C95	AMP	222	CD3124	CDC	3222f
BY702	BRA	1031c	BY7202	BRA	2782d	C99	AMP	343	CD3125	CDC	3315
BY703	BRA	1448e	BY8001	BRA	2743v	C11E	AMP	215	CD3126	CDC	3408n
BY704	BRA	1807e	BY8002	BRA	2787e	C117	AMP	223	CD3127	CDC	3477b
BY705	BRA	2164e	BY8101	BRA	2744	CA20	VIC	1473	CD3128	CDC	3554a
BY706	BRA	2410d	BY8102	BRA	2787f	CA30	VIC	1835	CD3129	CDC	3628c
BY707	BRA	2573c	BY8201	BRA	2745	CA40	VIC	2189	CD3131	CDC	2978c
BY708	BRA	2643e	BY8202	BRA	2787g	CA50	VIC	2426	CD3132	CDC	2984
BY709	BRA	2717b	BYZ10	PHIN	2717e	CA55	VIC	2587	CD3133	CDC	3000e
BY711	BRA	742e	BYZ11	PHIN	2573f	CA102BA	ITT	964	CD3134	CDC	3017a
BY712	BRA	1031d	BYZ12	PHIN	2164h	CA102DA	ITT	1376	CD3135	CDC	3058a
BY713	BRA	1448f	BYZ13	PHIN	1448h	CA102FA	ITT	1735	CD3136	CDC	3072k
BY714	BRA	1807f	BYZ14	PHIN	1486a	CA102HA	ITT	2095	CD3137	CDC	3125a
BY715	BRA	2164f	C10A	GESY	1013	CA102KA	ITT	2357	CD3138	CDC	3148a
BY716	BRA	2410e	C10B	GESY	1428e	CA102MA	ITT	2524	CD3139	CDC	3205a
BY717	BRA	2573d	C10C	GESY	1789f	CA102PA	ITT	2627	CD3141	CDC	3227i
BY718	BRA	2643f	C10D	GESY	2145f	CA102RA	ITT	2691	CD3142	CDC	3281
BY719	BRA	2717c	C10F	GESY	721	CA152AA	ITT	704b	CD3143	CDC	3325b
BY721	BRA	742f	C10G	GESY	1210	CA152BA	ITT	979	CD3144	CDC	3388a



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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
CD3145	CDC	3410d	CDE2182	CDE	1938b	CEC1201	COL	2805c	CER690A	SOD	1307c
CD3146	CDC	3453g	CDE2183	CDE	2279a	CEC1201A	COL	2811a	CER690B	SOD	1319c
CD3147	CDC	3477r	CDE2184	CDE	628	CEC1201B	COL	2815b	CER690C	SOD	1345p
CD3148	CDC	3538c	CDE2185	CDE	876d	CEC1210	COL	2816	CER700	SOD	20841
CD3149	CDC	3556d	CDE2186	CDE	1151d	CEC1341A	COL	1031f	CER700A	SOD	2020c
CD3151	CDC	3616b	CDE2187	CDE	1161j	CEC1342A	COL	14481	CER700B	SOD	2033d
CD3152	CDC	3642d	CDE2188	CDE	1562	CEC1343A	COL	1807h	CER700C	SOD	2063b
CD3154	CDC	3690b	CDE2189	CDE	1855	CEC1344A	COL	1936e	CER710	SOD	2615f
CD3155	CDC	3711f	CDE2190	CDE	1938e	CEC1345A	COL	2282a	CER710A	SOD	2470e
CD3156	CDC	3756v	CDE2191	CDE	2279c	CEC1346A	COL	2573g	CER710B	SOD	2483d
CD3157	CDC	3774c	CDE2194	CDE	628c	CEC1347A	COL	2643j	CER710C	SOD	25055
CD3158	CDC	3796d	CDE2195	CDE	876h	CEC1348A	COL	2717f	CER720	SOD	2685n
CD3159	CDC	3807h	CDE2196	CDE	1151g	CEC1734	COL	2917a	CER720A	SOD	2665e
CD3161	CDC	38305	CDE2197	CDE	1161m	CEC2050	COL	1345m	CER720B	SOD	2668a
CD3162	CDC	3844d	CDE2198	CDE	1565	CEC2383	COL	2921a	CER720C	SOD	2674b
CD3163	CDC	3864m	CDE2199	CDE	1658	CEC2384	COL	2930b	CER730	SOD	2764f
CD4111	CDC	3293a	CDE2200	CDE	1938c	CEC2385	COL	2933b	CER730A	SOD	2746e
CD4112	CDC	3293b	CDE2201	CDE	2279f	CEC3050	COL	1705	CER730B	SOD	2750a
CD4113	CDC	3293c	CDE2204	CDE	628i	CEC4050	COL	2063	CER730C	SOD	2757d
CD4114	CDC	3293d	CDE2205	CDE	876p	CEC5050	COL	2337	CF102BA	ITT	966
CD4115	CDC	3293e	CDE2206	CDE	1151k	CEC6050	COL	2505	CF102DA	ITT	1378
CD4116	CDC	3453h	CDE2207	CDE	1161r	CEC8050	COL	2683	CF102FA	ITT	1737
CD4117	CDC	3453j	CDE2208	CDE	1569	CER67	SOD	680f	CF102HA	ITT	2097
CD4118	CDC	3453k	CDE2209	CDE	1662	CER67A	SOD	641b	CF102KA	ITT	2359
CD6111	CDC	4222j	CDE2210	CDE	1940d	CER67B	SOD	650d	CF102MA	ITT	2526
CD6112	CDC	4222p	CDE2211	CDE	2279i	CER67C	SOD	671m	CF102PA	ITT	2825
CDE210A	CDE	628e	CDE2248	CDE	626	CER68	SOD	951a	CF102RA	ITT	2693
CDE210B	CDE	876j	CDE2345	CDE	876a	CER68A	SOD	897b	CF152AA	ITT	704d
CDE210C	CDE	1151i	CDE2350	CDE	1151c	CER68B	SOD	911c	CF152BA	ITT	981
CDE210D	CDE	1161o	CDE5051A	CDE	628d	CER68C	SOD	935n	CF152DA	ITT	1397c
CDE210F	CDE	1567	CDE5051B	CDE	876i	CER69	SOD	13645	CF152FA	ITT	1758c
CDE210H	CDE	1660	CDE5051C	CDE	1151h	CER69A	SOD	1307h	CF152HA	ITT	2115c
CDE210J	CDE	1938a	CDE5051D	CDE	1161n	CER69B	SOD	1319b	CF152KA	ITT	2374e
CDE2248	CDE	628f	CDE5051F	CDE	1566	CER69C	SOD	1345n	CF152MA	ITT	2541c
CDE249	CDE	876k	CDE5051H	CDE	1659	CER70	SOD	2084h	CF152PA	ITT	2635c
CDE250	CDE	1161p	CDE5051J	CDE	1538d	CER70A	SOD	2020b	CF152RA	ITT	2701c
CDE1124	CDE	1161g	CDE5051L	CDE	2279g	CER70B	SOD	2033c	CG60H	AEIL	488a
CDE1125	CDE	1559	CDE5051P	CDE	2465b	CER70C	SOD	2063a	CG61H	AEIL	389
CDE1126	CDE	1652	CDE5051T	CDE	2643h	CER71	SOD	2515e	CG62H	AEIL	389a
CDE1127	CDE	1933a	CDE5091A	CDE	628a	CER71A	SOD	2470d	CG63H	AEIL	389b
CDE1128	CDE	2279	CDE5091B	CDE	876e	CER71B	SOD	2483c	CG64H	AEIL	150
CDE1199	CDE	628h	CDE5091C	CDE	1151e	CER71C	SOD	2505a	CG80H	AEIL	4269c
CDE1200	CDE	876n	CDE5091D	CDE	1161k	CER72	SOD	2685m	CG81H	AEIL	4229f
CDE1201	CDE	1151j	CDE5091F	CDE	1563	CER72A	SOD	2665d	CG82H	AEIL	4179b
CDE1202	CDE	1161q	CDE5091H	CDE	1658	CER72B	SOD	2668	CG83H	AEIL	4142e
CDE1203	CDE	1568	CDE5091J	CDE	1933f	CER72C	SOD	2674a	CGD1030	CLE	4112a
CDE1204	CDE	1661	CDE5091L	CDE	2279d	CER72D	SOD	2683a	CGD1031	CLE	4128e
CDE1205	CDE	1940c	CDE5091P	CDE	2465a	CER73	SOD	2784e	CGD1032	CLE	4142f
CDE1206	CDE	2279h	CDE5091T	CDE	2638c	CER73A	SOD	2746d	CH109A	TUNL	1119
CDE1341	CDE	6285	CE302BA	ITT	999	CER73B	SOD	2750	CH109B	TUNL	1532
CDE1342	CDE	876g	CE302DA	ITT	1416	CER73C	SOD	2757c	CH109C	TUNL	1855
CDE1343	CDE	1151f	CE302FA	ITT	1776	CER73D	SOD	2763m	CH109D	TUNL	2249
CDE1344	CDE	1161l	CE302HA	ITT	2133	CER74	SOD	2857c	CH109E	TUNL	2449
CDE1345	CDE	1564	CE302KA	ITT	2388	CER75	SOD	2885d	CH109Z	TUNL	822
CDE1346	CDE	1657	CE302MA	ITT	2554	CER76	SOD	2911	CH116A	TUNL	1107e
CDE1347	CDE	1936b	CE302PA	ITT	2639	CER77	SOD	2917b	CH116B	TUNL	1520b
CDE1348	CDE	2279e	CE302RA	ITT	2705	CER78	SOD	29325	CH116D	TUNL	2237e
CDE1581	CDE	627	CEC66	COL	671k	CER500	SOD	2349c	CH116F	TUNL	2607f
CDE1582	CDE	876c	CEC105	COL	935m	CER500A	SOD	2299b	CH116Z	TUNL	810e
CDE1583	CDE	1161l	CEC310	COL	1822	CER500B	SOD	2313c	CH118A	TUNL	1122a
CDE1584	CDE	1561	CEC410	COL	2176	CER500C	SOD	2337a	CH118B	TUNL	1534b
CDE1585	CDE	1654	CEC510	COL	2416c	CER670	SOD	680g	CH118D	TUNL	2251a
CDE1586	CDE	1933d	CEC610	COL	2580	CER670A	SOD	641c	CH118Z	TUNL	825a
CDE1587	CDE	2279b	CEC810	COL	2722	CER670B	SOD	650e	CH302BA	ITT	1000
CDE2176	CDE	625	CEC1000	COL	2780a	CER670C	SOD	671n	CH302DA	ITT	1417
CDE2177	CDE	876	CEC1001	COL	2770e	CER680	SOD	9515	CH302FA	ITT	1777
CDE2178	CDE	1151b	CEC1001A	COL	2780b	CER680A	SOD	897c	CH302HA	ITT	2134
CDE2179	CDE	1161h	CEC1001B	COL	2786b	CER680B	SOD	911d	CH302KA	ITT	2389
CDE2180	CDE	1560	CEC1010	COL	2787	CER680C	SOD	935p	CH302MA	ITT	2555
CDE2181	CDE	1653	CEC1200	COL	2798b	CER690	SOD	1364e	CH302PA	ITT	2640

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
CH302RA	ITT	2706	CR10.071A	AEIL	882	D5	TSC	852	DA20	VIC	1479a
CK302BA	ITT	1001	CR10.101A	AEIL	1046	D10	TSC	1150m	DA25	VIC	1604a
CK302DA	ITT	1418	CR10.151A	AEIL	1227b	D15	TSC	1292	DA30	VIC	1841b
CK302FA	ITT	1778	CR10.201A	AEIL	1462	D15A	SOLF	935c	DA35	VIC	1942a
CK302HA	ITT	2135	CR10.251A	AEIL	1598b	D20	TSC	1558	DA40	VIC	2194a
CK302KA	ITT	2390	CR10.301A	AEIL	1822a	D25	TSC	1649	DA50	VIC	2427a
CK302MA	ITT	2558	CR1401	TOSJ	2539a	D25C	SOLF	1345c	DA60	VIC	2588a
CK302PA	ITT	2841	CS2A	AEIL	4354	D30	TSC	1919	DB100	DES	4182c
CK302RA	ITT	2707	CS3A	AEIL	4384	D35	TSC	1988	DB110	DES	4168h
CK709	RAYN	4763	CS3B	AEIL	4385	D40	TSC	2276	DB120	DES	4269d
CK711	RAYN	4764	CS4B	AEIL	4444a	D45C	SOLF	2063c	DB300	DES	4326c
CK717	RAYN	4765	CS9B	AEIL	4387	D85C	SOLF	2505c	DB310	DES	4326d
CK715	RAYN	4766	CS31A	AEIL	4387a	D1003	PLEB	1002a	DC7	SEM	4571c
CK846	RAYN	1010	CS33A	AEIL	4384a	D1010	PLEB	1002b	DC7A	SEM	4571d
CK847	RAYN	1428	CS34A	AEIL	4387b	D1114	SYL	4464h	DC7B	SEM	4571e
CK848	RAYN	1478	CS36A	AEIL	4387c	D1248	SYL	4136d	DC7C	SEM	4571f
CK849	RAYN	2145	CS37A	AEIL	4384b	D1820	SYL	4125e	DC7D	SEM	4571g
CK850	RAYN	2399	CS120A	TUNL	1088	D2003	PLEB	1419a	DE52	DII	1364d
CK851	RAYN	2561	CS120B	TUNL	1501	D2010	PLEB	1419b	DI54	DII	2084j
CK853	RAYN	584	CS120C	TUNL	1862	D4003	PLEB	2136a	DI56	DII	2515g
CK863A	RAYN	565	CS120D	TUNL	2215	D4010	PLEB	2136b	DI58	DII	2685p
CK863B	RAYN	566	CS120E	TUNL	2436a	D4070	SYL	4434	DI510	DII	2764g
CK1101	RAYN	4738b	CS120F	TUNL	2597a	D4074	SYL	4449	DK10	STCB	4142d
CK1102	RAYN	4738c	CS120Z	TUNL	789	D4075	SYL	4465a	DK11	STCB	4204d
CK1103	RAYN	4738d	CS122B	TUNL	1379a	D4075A	SYL	4464i	DK12	STCB	4266h
CK1104	RAYN	4738e	CS122D	TUNL	2098a	D4075B	SYL	4464j	DP2	INRC	4629w
CMD7103	CLE	42055	CS122F	TUNL	2527a	D4075C	SYL	4462d	DP3	INRC	4629x
CP102BA	ITT	967	CS122H	TUNL	2694a	D4075D	SYL	4461n	DP5	INRC	4629y
CP102DA	ITT	1379	CS302BA	ITT	1002	D4075E	SYL	4457p	DR100	DES	935r
CP102FA	ITT	1738	CS302DA	ITT	1419	D4075F	SYL	4457g	DR128	GIC	315
CP102HA	ITT	2058	CS302FA	ITT	1779	D4075G	SYL	4457r	DR200	DES	1345r
CP102KA	ITT	2360	CS302HA	ITT	2136	D4075H	SYL	4457s	DR207	GIC	311
CP102MA	ITT	2527	CS302KA	ITT	2391	D4081	SYL	4402d	DR209	GIC	452
CP102PA	ITT	2630	CS302MA	ITT	2557	D4081A	SYL	4402e	DR211	GIC	4232
CP102RA	ITT	2894	CS302PA	ITT	2842	D4084	SYL	4352b	DR213	GIC	320
CPI52AA	ITT	704e	CS302RA	ITT	2708	D4084A	SYL	4352c	DR272	GIC	502
CP152BA	ITT	982	CSD2542	CLE	4281b	D4089	SYL	4402z	DR283	GIC	316
CP152DA	ITT	1397d	CSD2551	CLE	4182n	D4092	SYL	4397d	DR291	GIC	238
CP152FA	ITT	1756d	CSD2552	CLE	4291a	D4103	SYL	4102a	DR292	GIC	474
CP152HA	ITT	2115d	CTP301	CLE	178	D4109	SYL	4104a	DR295	GIC	4221
CPI52KA	ITT	2374f	CTP309	CLE	44a	D4110	SYL	4485b	DR300	DES	1705a
CP152MA	ITT	2541d	CTP316	CLE	247	D4110A	SYL	4464j	DR301	GIC	469
CP152PA	ITT	2635d	CTP462	CLE	158	D4110B	SYL	4462j	DR302	GIC	433
CP152RA	ITT	2701d	CTP553	CLE	140	D4110C	SYL	4462e	DR303	GIC	325
CR4.021A	AEIL	815	CTP591	CLE	3	D4110D	SYL	4461p	DR304	GIC	525
CR4.051A	AEIL	720a	CTP592	CLE	4107	D4110E	SYL	4457t	DR305	GIC	462
CR4.071A	AEIL	881c	CTP2310	CLE	4282	D4110F	SYL	4457u	DR306	GIC	429
CR4.101A	AEIL	1011c	CTP2312	CLE	4211	D4110G	SYL	4457v	DR307	GIC	322
CR4.151A	AEIL	12055	CTP2313	CLE	4283	D4110H	SYL	4457w	DR308	GIC	430
CR4.201A	AEIL	1428d	CTP2314	CLE	4301	D4115	SYL	4687	DR309	GIC	434
CR4.251A	AEIL	1593e	CTP2315	CLE	4157	D4115A	SYL	4688	DR310	GIC	499
CR4.301A	AEIL	1789c	CTP2316	CLE	4212	D4115B	SYL	4689	DR311	GIC	500
CR5.021A	AEIL	615d	CTP2317	CLE	4302	D4121	SYL	41045	DR312	GIC	459
CR5.051A	AEIL	7325	CTP2325	CLE	4305	D4140	SYL	4465c	DR313	GIC	428
CR5.071A	AEIL	881d	CTP2359	CLE	4159	D4140A	SYL	4464k	DR314	GIC	349a
CR5.101A	AEIL	1022b	CTP2375	CLE	4218a	D4140B	SYL	4462k	DR315	GIC	498
CR5.151A	AEIL	1217b	CTP2542	CLE	4281c	D4140C	SYL	4462f	DR316	GIC	455
CR5.201A	AEIL	1439b	CTP2551	CLE	4162p	D4140D	SYL	4461q	DR317	GIC	422
CR5.251A	AEIL	1594b	CTP2552	CLE	4291b	D4140E	SYL	4457x	DR318	GIC	317
CR5.301A	AEIL	17985	CV103	AEIL	4354c	D4141	SYL	4465d	DR319	GIC	318
CR8.021A	AEIL	615g	CV253	AEIL	4387d	D4141A	SYL	4464m	DR321	GIC	463
CR8.051A	AEIL	743a	CV291	AEIL	4354d	D4141B	SYL	4462m	DR322	GIC	460
CR8.071A	AEIL	881e	CV364	AEIL	4354e	D4141C	SYL	4462g	DR323	GIC	427
CR8.101A	AEIL	1033a	CV425	AEIL	263	D4141D	SYL	4461r	DR324	GIC	427a
CR8.151A	AEIL	1225f	CV442	AEIL	76a	D4141E	SYL	4457y	DR325	GIC	461
CR8.201A	AEIL	1449a	CV448	AEIL	390	D4188C	SYL	4689a	DR326	GIC	321
CR8.251A	AEIL	1596e	CV2226	AEIL	4444b	D4168D	SYL	4689b	DR327	GIC	468
CR8.301A	AEIL	1809	CV2258	AEIL	4444c	DA05	VIC	768a	DR328	GIC	432
CR10.021A	AEIL	616a	CV2355	AEIL	4444d	DA10	VIC	1064a	DR329	GIC	324
CR10.051A	AEIL	754	CV2356	AEIL	4444e	DA15	VIC	1242a	DR330	GIC	353f
			CV2357	AEIL	4444f						

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
DR336	GIC	417	DS203BA	ITT	1073	E85	TII	3319s	ECZ24T20-1	CCA	3648d
DR337	GIC	418	DS203CA	ITT	1245	E86	TII	3275a	ECZ24T20-2	CCA	3648e
DR338	GIC	314	DS203DA	ITT	1488	E87	TII	3138a	ECZ36T20-1	CCA	3775
DR351	GIC	181	DS203EA	ITT	1607	E88	TII	3068a	ECZ36T20-2	CCA	3775a
DR352	GIC	168c	DS203FA	ITT	1848	E89	TII	3022g	ECZ48T20-1	CCA	3835c
DR362	GIC	4180	DS203GA	ITT	1945	E100	MAL	936	ECZ48T20-2	CCA	3835d
DR365	GIC	60	DS203HA	ITT	2201	E140	TII	3350e	ECZ60T20-1	CCA	3907m
DR366	GIC	319	DS203KA	ITT	2430	E141	TII	3295c	ECZ60T20-2	CCA	3907n
DR379	GIC	464	DS203MA	ITT	2591	E142	TII	3227f	ECZ90T20-1	CCA	3942n
DR385	GIC	2952a	DS203PA	ITT	2646	E143	TII	3212a	ECZ90T20-2	CCA	3942p
DR389	GIC	323	DS203RA	ITT	2726	E144	TII	3166n	ECZ120T20-1	CCA	3996g
DR400	DES	2063d	DS303AA	ITT	793	E145	TII	3111f	ECZ120T20-2	CCA	3996h
DR401	GIC	4223	DS303BA	ITT	1090	E200	MAL	1346	ECZ180T20-1	CCA	4038k
DR402	GIC	4252	DS303CA	ITT	1258	E261	TII	3410e	ECZ180T20-2	CCA	4038m
DR403	GIC	4224	DS303DA	ITT	1504	E262	TII	3453l	EDI20	INRJ	2935a
DR404	GIC	4225	DS303EA	ITT	1617	E300	MAL	1706	ED120M	INRJ	2936a
DR407	GIC	4222	DS303FA	ITT	1864	E400	MAL	2064	ED1806	ERI	4209c
DR408	GIC	4233	DS303GA	ITT	1955	E450C50SI	AEG	2280	ED1825	ERI	486c
DR418	GIC	4226	DS303HA	ITT	2218	E500	MAL	2338	ED1837	ERI	230b
DR419	GIC	4156	DS303KA	ITT	2438	E600	MAL	2506	EDI882	ERI	4126c
DR422	GIC	4229	DS303MA	ITT	2600	E750C50SI	AEG	2658	ED1872	ERI	4253a
DR434	GIC	128	DS303PA	ITT	2649	E1500C50SI	AEG	2829	ED1890	ERI	4122a
DR435	GIC	2952b	DS303RA	ITT	2729	EA05	VIC	805a	ED1892	ERI	15a
DR437	GIC	4227	DT203AA	ITT	778	EA7E1	HSDI	4579c	ED1902	ERI	218e
DR449	GIC	62	DT203BA	ITT	1074	EA7E2	HSDI	4579r	ED1980	ERI	138b
DR459	GIC	4122	DT203CA	ITT	1246	EA7E3	HSDI	4579s	ED2010	ERI	40a
DR463	GIC	308	DT203DA	ITT	1489	EA7E5	HSDI	4580	ED2013	ERI	4130
DR481	GIC	4181	DT203EA	ITT	1608	EA10	VIC	1102a	ED2014	ERI	4131
DR482	GIC	4208	DT203FA	ITT	1849	EA15	VIC	1266	ED2015	ERI	4143a
DR498	GIC	4148	DT203GA	ITT	1946	EA20	VIC	1515a	ED2016	ERI	4143b
DR500	DES	2337b	DT203HA	ITT	2202	EA24	INRJ	2896a	ED2017	ERI	4143c
DR500	GIC	4200	DT203KA	ITT	2431	EA24M	INRJ	2901	ED2018	ERI	4143d
DR521	GIC	4279	DT203MA	ITT	2592	EA25	VIC	1824a	ED2100	ERI	I
DR562	GIC	4215	DT203PA	ITT	2647	EA30	VIC	1877a	ED2101	ERI	3a
DR600	DES	2505d	DT203RA	ITT	2727	EA35	VIC	1963a	ED2102	ERI	8h
DR661	GIC	4274	DT303AA	ITT	794	EA40	VIC	2233a	ED2103	ERI	20a
DR664	GIC	4142	DT303BA	ITT	1091	EA50	VIC	2443a	ED2104	ERI	21a
DR667	GIC	4325	DT303CA	ITT	1259	EA60	VIC	2605a	ED2105	ERI	21b
DR668	GIC	353	DT303DA	ITT	1505	EB36	INRJ	2907a	ED2106	ERI	33f
DR669	GIC	501	DT303EA	ITT	1618	EB36M	INRJ	2908a	ED2107	ERI	33g
DR670	GIC	533	DT303FA	ITT	1865	EB48	INRJ	2913a	ED2108	ERI	33h
DR671	GIC	558	DT303GA	ITT	1956	EB48M	INRJ	2915a	ED2109	ERI	323a
DR672	GIC	4182	DT303HA	ITT	2219	EC60	INRJ	2920a	ED2110	ERI	324a
DR673	GIC	4270	DT303KA	ITT	2439	EC80M	INRJ	2922c	ED2111	ERI	432a
DR674	GIC	4293	DT303MA	ITT	2601	EC72	INRJ	2926a	ED2112	ERI	464a
DR675	GIC	4319	DT303PA	ITT	2650	EC72M	INRJ	2928a	ED2113	ERI	469a
DR677	GIC	4154	DT303RA	ITT	2730	ECR10-1	CCA	604b	ED2801	ERI	141a
DR688	GIC	4278	DW100	DES	4184d	ECR15-1	CCA	608a	ED2802	ERI	349b
DR694	GIC	4323	DW110	DES	4274a	ECR25-1	CCA	614f	ED2803	ERI	500a
DR695	GIC	582	DW120	DES	4274b	ECR50-1	CCA	693e	ED2804	ERI	532h
DR698	GIC	581	DW130	DES	4266j	ECR75-1	CCA	880g	ED2815	ERI	557a
DR699	GIC	556	DW200	DES	4296	ECR100-1	CCA	967a	ED2816	ERI	507h
DR700	DES	2625k	DW210	DES	4322a	ECR150-1	CCA	1200f	ED2817	ERI	547a
DR800	DES	2683b	DW300	DES	4323b	ECR200-1	CCA	1379b	ED2818	ERI	562b
DR828	GIC	557	DW310	DES	4326a	ECR300-1	CCA	1738a	ED2819	ERI	578a
DR827	GIC	4183	DZ10A	SOIF	3365a	ECR400-1	CCA	2098b	ED2820	ERI	582e
DR833	GIC	4311	DZ10B	SOIF	3993b	ECR500-1	CCA	2360a	ED2821	ERI	299a
DR848	GIC	141	DZ12A	SOIF	3433f	ECR600-1	CCA	2527b	ED2822	ERI	299b
DR852	GIC	4140	DZ15A	SOIF	3495f	ECR700-1	CCA	2630a	ED2823	ERI	474a
DR863	GIC	135	DZ18A	SOIF	3577g	ECR800-1	CCA	2694b	ED2824	ERI	474b
DR900	DES	2742j	DZ22A	SOIF	3669b	ECR900-1	CCA	2742v	ED2825	ERI	521a
DR999	GIC	4270a	DZ27A	SOIF	3728a	ECR1000-1	CCA	2770f	ED2826	ERI	521b
DR1000	DES	2763n	DZ33A	SOIF	3787h	ECR1200-1	CCA	2805d	ED2827	ERI	545e
DR1100	DES	2792b	DZ39A	SOIF	3825h	ECR1500-1	CCA	2853c	ED2828	ERI	545f
DR1200	DES	2801c	DZ47A	SOIF	3861c	ECZ5720-1	CCA	3234c	ED2829	ERI	573a
DS1D	FERB	4767	DZ56A	SOIF	3893c	ECZ9T20-2	CCA	3234d	ED2830	ERI	573b
DS1E	FERB	4601a	DZ18A	SOIF	3924h	ECZ12T20-1	CCA	3401a	ED2831	ERI	588a
DS1F	FERB	4601b	DZ26A	SOIF	3924c	ECZ12T20-2	CCA	3401b	ED2832	ERI	588b
DS1G	FERB	4602	DZ82A	SOIF	3957c	ECZ18T20-1	CCA	3551a	ED2833	ERI	112b
DS203AA	ITT	777	E50	MAL	672	ECZ18T20-2	CCA	3551b	ED2834	ERI	84a
			E84	TII	3388b						

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
ED2835	ERI	287a	EEZ47T10-1	CCA	3856e	FA4008	FSC	4770d	FD313	FSC	461a
ED2836	ERI	527b	EEZ47T10-2	CCA	3239f	FA4009	FSC	4770e	FD314	FSC	507b
ED2837	ERI	88	EEZ56T10-1	CCA	3888c	FA4010	FSC	4770f	FD315	FSC	94b
ED2838	ERI	295b	EEZ56T10-2	CCA	3341g	FA4011	FSC	4770g	FD316	FSC	247b
ED2839	ERI	495a	EEZ68T10-1	CCA	3919c	FD3	INTG	40b	FD317	FSC	461b
ED2840	ERI	530b	EEZ68T10-2	CCA	3441c	FD4	INTG	14b	FD318	FSC	507c
ED2841	ERI	488b	EEZ82T10-1	CCA	3950g	FD5	INTG	14c	FD319	FSC	545a
ED2842	ERI	1578b	EEZ82T10-2	CCA	3519j	FD6	INTG	33i	FD320	FSC	500f
ED2843	ERI	1673c	EEZ100T10-1	CCA	3985p	FD7	INTG	174a	FD321	FSC	532j
ED2844	ERI	2028a	EEZ100T10-2	CCA	3599f	FD100	FSC	4172b	FD322	FSC	61a
ED2845	ERI	2305a	EEZ120T10-1	CCA	4006j	FD101	FSC	4172c	FD323	FSC	215a
ED2846	ERI	2476a	EEZ120T10-2	CCA	3658k	FD112	FSC	4162c	FD324	FSC	505a
ED2847	ERI	2622b	EEZ150T10-1	CCA	4032p	FD113	FSC	4235b	FD325	FSC	65d
ED2848	ERI	2671a	EEZ150T10-2	CCA	3748g	FD114	FSC	4107a	FD326	FSC	230c
ED2849	ERI	2739a	EEZ180T10-1	CCA	4053	FD115	FSC	4107b	FD327	FSC	450f
ED2850	ERI	4172g	EEZ180T10-2	CCA	3782e	FD116	FSC	4162f	FD328	FSC	505b
ED2851	ERI	4291d	EEZ200T10-1	CCA	4080	FD117	FSC	4163j	FD329	FSC	449a
ED2852	ERI	4169a	EEZ200T10-2	CCA	3818f	FD160	INRJ	2940a	FD330	FSC	106i
ED2853	ERI	4155c	EEZ220T10-1	CCA	4092f	FD160M	INRJ	2941a	FD331	FSC	106j
ED2854	ERI	4282a	EEZ220T10-2	CCA	3856f	FD192	FSC	4128f	FD332	FSC	288a
ED2855	ERI	4312a	ETZ1.5T10-2	CCA	2957b	FD200	FSC	4293a	FD333	FSC	288b
ED2856	ERI	4264f	ETZ1.8T10-2	CCA	2959c	FD212	FSC	4279c	FD334	FSC	471b
ED2857	ERI	4315d	ETZ2.2T10-2	CCA	2961c	FD213	FSC	4296c	FD335	FSC	471c
EER10-1	CCA	604c	ETZ2.7T10-2	CCA	2967c	FD214	FSC	4154a	FD336	FSC	514a
EER15-1	CCA	608b	ETZ3.3T10-2	CCA	2973b	FD215	FSC	4208a	FD337	FSC	514b
EER15-2	CCA	607	ETZ3.9T10-2	CCA	2985b	FD216	FSC	4281d	FD338	FSC	95c
EER25-1	CCA	614g	ETZ4.7T10-2	CCA	3022b	FD217	FSC	4299c	FD339	FSC	95d
EER30-2	CCA	618j	ETZ5.6T10-2	CCA	3086b	FD218	FSC	4156c	FD340	FSC	95e
EER50-1	CCA	693f	ETZ6.8T10-2	CCA	3186g	FD219	FSC	4229g	FD341	FSC	254b
EER50-2	CCA	672a	ETZ8.2T10-1	CCA	3239g	FD220	FSC	4281e	FD342	FSC	254c
EER75-1	CCA	880h	ETZ8.2T10-2	CCA	3239h	FD221	FSC	4299d	FD343	FSC	254d
EER75-2	CCA	880c	ETZ10T10-1	CCA	3341r	FD222	FSC	4183a	FD344	FSC	464c
EER100-1	CCA	967b	ETZ10T10-2	CCA	3341s	FD227	FSC	4279e	FD345	FSC	464d
EER100-2	CCA	936a	ETZ12T10-1	CCA	3441d	FD228	FSC	4156a	FD346	FSC	464e
EER150-1	CCA	1200g	ETZ12T10-2	CCA	3441e	FD229	FSC	4280b	FD347	FSC	508b
EER150-2	CCA	1184c	ETZ15T10-1	CCA	3519k	FD230	FSC	4155d	FD348	FSC	508c
EER200-1	CCA	1379c	ETZ15T10-2	CCA	3519l	FD231	FSC	4127g	FD349	FSC	508d
EER200-2	CCA	1346a	ETZ18T10-1	CCA	3599g	FD232	FSC	4222b	FD350	FSC	548a
EER250-2	CCA	1587f	ETZ18T10-2	CCA	3599h	FD233	FSC	4296e	FD351	FSC	548b
EER300-1	CCA	1738b	ETZ22T10-1	CCA	3858m	FD234	FSC	4222m	FD352	FSC	548c
EER300-2	CCA	1706a	ETZ22T10-2	CCA	3658n	FD235	FSC	4298b	FD357	FSC	110a
EER400-1	CCA	2098c	ETZ27T10-1	CCA	3748h	FD236	FSC	4156f	FD358	FSC	307a
EER500-1	CCA	2360b	ETZ27T10-2	CCA	3748j	FD237	FSC	4136e	FD359	FSC	480a
EER500-2	CCA	2338a	ETZ33T10-1	CCA	3782f	FD241	FSC	4280c	FD360	FSC	524a
EER500-1	CCA	2527c	ETZ33T10-2	CCA	3782g	FD243	FSC	4127	FD361	FSC	552a
EER600-2	CCA	2506a	ETZ39T10-1	CCA	3818g	FD244	FSC	4184f	FD361	FSC	305a
EER700-1	CCA	2630b	ETZ39T10-2	CCA	3818h	FD245	FSC	4222a	FD362	FSC	500c
EER800-1	CCA	2694c	ETZ47T10-1	CCA	3856h	FD246	FSC	4296b	FD363	FSC	532k
EER900-1	CCA	2742w	ETZ47T10-2	CCA	3856h	FD247	FSC	4279b	FD400	FSC	4231b
EER1000-1	CCA	2770g	EQ99	GECE	4122b	FD248	FSC	4175b	FS503AA	ITT	811
EER1200-1	CCA	2805e	FA2000	FSC	4768	FD249	FSC	4286k	FS503BA	ITT	1108
EER1500-1	CCA	2853d	FA2001	FSC	4768a	FD250	FSC	4292c	FS503CA	ITT	1268
EEZ8.2T10-1	CCA	3239e	FA2002	FSC	4768b	FD251	FSC	4316e	FS503DA	ITT	1521
EEZ8.2T10-2	CCA	2957a	FA2003	FSC	4768c	FD252	FSC	4188a	FS503EA	ITT	1628
EEZ10T10-1	CCA	3341p	FA2004	FSC	4768d	FD253	FSC	4279d	FS503FA	ITT	1882
EEZ10T10-2	CCA	3599e	FA2005	FSC	4768e	FD254	FSC	4256d	FS503GA	ITT	1965
EEZ12T10-1	CCA	3423j	FA2006	FSC	4768f	FD255	FSC	4298c	FS503HA	ITT	2238
EEZ12T10-2	CCA	2961b	FA2007	FSC	4768g	FD257	FSC	4200d	FS503KA	ITT	2448
EEZ15T10-1	CCA	3519h	FA2008	FSC	4769	FD258	FSC	4281f	FS503MA	ITT	2608
EEZ15T10-2	CCA	2967b	FA2009	FSC	4769a	FD259	FSC	4162s	FS703AA	ITT	823
EEZ18T10-1	CCA	3599e	FA2010	FSC	4769b	FD260	FSC	4291c	FS703BA	ITT	1120
EEZ18T10-2	CCA	2973a	FA2011	FSC	4769c	FD262	FSC	4165	FS703CA	ITT	1277
EEZ22T10-1	CCA	3658j	FA4000	FSC	4769d	FD263	FSC	4229a	FS703DA	ITT	1533
EEZ22T10-2	CCA	2985a	FA4001	FSC	4769e	FD264	FSC	4225b	FS703EA	ITT	1634
EEZ27T10-1	CCA	3748f	FA4002	FSC	4769f	FD265	FSC	4229c	FS703FA	ITT	1896
EEZ27T10-2	CCA	3022a	FA4003	FSC	4769g	FD266	FSC	4136f	FS703GA	ITT	1973
EEZ33T10-1	CCA	3782d	FA4004	FSC	4770	FD267	FSC	4229d	FS703HA	ITT	2250
EEZ33T10-2	CCA	3086a	FA4005	FSC	4770a	FD300	FSC	464b	FS703KA	ITT	2450
EEZ39T10-1	CCA	3818e	FA4006	FSC	4770b	FD311	FSC	68a	FS703MA	ITT	2610
EEZ39T10-2	CCA	3166f	FA4007	FSC	4770c	FD312	FSC	247a	FST1/4	ITCB	2065
									FT503AA	ITT	812
									FT503BA	ITT	1109

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
FT503CA	ITT	1269	G551	WESF	161a	GEM8	GEGB	4406a	GPM2NA	NECJ	73d
FT503DA	ITT	1522	G552	WESF	167d	GEM9	GEGB	4406b	GSB1A	NECJ	4606d
FT503EA	ITT	1627	G603	WESF	4774	GEX12	GEGB	60a	GSB1B	NECJ	4606e
FT503FA	ITT	1883	G604	WESF	4560c	GEX13	GEGB	166d	GW20	ROSG	4560g
FT503GA	ITT	1966	GA53597	WEC	4250c	GEX22	GEGB	9	GW40	ROSG	218a
FT503HA	ITT	2239	GA53679	WEC	4560d	GEX23	GEGB	167	GW80	ROSG	278a
FT503KA	ITT	2447	GA53691	WEC	4602a	GEX24	GEGB	428	GW80	ROSG	392a
FT503MA	ITT	2609	GA53694-1	WEC	4493b	GEX34	GEGB	161	GW102	ROSG	4574a
FT703AA	ITT	824	GA53694-2	WEC	4464q	GEX35	GEGB	51	GW103	ROSG	32
FT703BA	ITT	1121	GA53694-3	WEC	4464v	GEX36	GEGB	58	GW106	ROSG	407a
FT703CA	ITT	1278	GA53694-4	WEC	4464x	GEX45/1	GEGB	197	GW107	ROSG	40c
FT703DA	ITT	1534	GA53695-1	WEC	4464y	GEX54	GEGB	328	GW108	ROSG	218b
FT703EA	ITT	1635	GA53695-2	WEC	4464z	GEX54/3	GEGB	392	GW120	ROSG	381
FT703FA	ITT	1897	GA53695-3	WEC	4464w	GEX64	GEGB	4573	H5B	HSDC	4607c
FT703GA	ITT	1974	GA53695-4	WEC	4464z	GEX66	GEGB	4574	H5C	HSDC	4607d
FT703HA	ITT	2251	GA53754	WEC	4507b	GEX541	GEGB	885	HB1	HSDI	4
FT703KA	ITT	2451	GA53777	WEC	4512c	GEX542	GEGB	1296a	HB2	HSDI	28
FT703MA	ITT	2611	GA53786	WEC	4510a	GEX941	GEGB	428a	HB3	HSDI	111
GI, 5720	TKAD	528	GD1E	SIHG	153	GEX942	GEGB	428b	HB4	HSDI	272
GI C50	WESB	614a	GD1P	SIHG	154	GEX943	GEGB	174b	HB5	HSDI	489
G2	GAH	4189	GD1Q	SIHG	155	GEX944	GEGB	174c	HB6	HSDI	561
G2, 5/9	TKAD	359	GD2E	SIHG	363	GEX945	GEGB	65b	HC30	SOD	620d
G2, 5/15	TKAD	487	GD3	STCA	55a	GEX946	GEGB	65c	HC67	SOD	699d
G2C50	WESB	631	GD3E	SIHG	437	GEX951	GEGB	4142a	HC68	SOD	971d
G3C50	WESB	858	GD4	STCA	181b	GEX952	GEGB	4142b	HC69	SOD	1385d
G4/10	TKAD	400	GD4E	SIHG	151	GH1C	NECJ	4367k	HC70	SOD	2102b
G4/12	TKAD	442	GD5	STCA	356b	GH1D	NECJ	4367m	HC71	SOD	2532a
G4C50	WESB	885c	GD5E	SIHG	156	GJ3M	AEIL	1379d	HC72	SOD	2697a
G5/2	TKAD	57	GD6	STCA	283a	GJ4M	AEIL	881	HC73	SOD	2772a
G5/4	TKAD	126	GD6E	SIHG	152	GJ5M	AEIL	1738c	HC74	SOD	2859a
G5/5	TKAD	165	GD8	STCA	309a	GJ6M	AEIL	1200h	HC75	SOD	2858a
G5/6	TKAD	216	GD8E	STCB		GLZ7.5BCA	USS	3226d	HC76	SOD	2911d
G5/61	TKAD	217	GD9E	SIHG	63	GLZ8.2BCA	USS	3281j	HC77	SOD	2917d
G5/62	TKAD	218	GD9	STCA	408a	GLZ9.1BCA	USS	3232e	HC78	SOD	2933c
G5C50	WESB	1103a	GD10	STCA	442a	GLZ10BCA	USS	3388c	HC870	SOD	699e
G6	GESY	4558	GD11	STCA	128a	GLZ11BDA	USS	3407f	HC880	SOD	971e
G7A	GESY	4572	GD12	STCB		GLZ12BCA	USS	3453m	HC890	SOD	1385e
G7B	GESY	4559	GD12E	SIHG	29e	GLZ13BDA	USS	3477k	HC700	SOD	2103
G7C	GESY	4560	GD13	STCB	4560e	GLZ14BBA	USS	3506g	HC710	SOD	2532b
G7D	GESY	4577	GD13E	SIHG	142	GLZ15BDA	USS	3536f	HC720	SOD	2697b
G7E	GESY	4578	GD14	STCB	4774a	GLZ16BCA	USS	3554f	HC730	SOD	2772b
G17	GAH	4199	GD15	STCB	165d	GLZ17BBA	USS	3586f	HC1200	SOD	2807a
G18	GAH	4194	GD16	STCB	4560f	GLZ18BCA	USS	3618c	HC7001	HUG	4485
G41	WESF	109a	GD72E/3	SIHG	52	GLZ19BDA	USS	3628d	HC7001A	HUG	4489a
G42	WESF	373b	GD72E/4	SIHG	53	GLZ20BCA	USS	3642e	HC7001B	HUG	4489b
G43	WESF	482c	GD72E/5	SIHG	54	GLZ22BCA	USS	3690c	HC7002	HUG	4498
G44	WESF	176b	GD73E/3	SIHG	143	GLZ24BDA	USS	3711g	HC7002A	HUG	4498a
G45	WESF	373a	GD73E/4	SIHG	144	GLZ25BBA	USS	3718a	HC7002B	HUG	4498b
G48	AMP	253	GD73E/5	SIHG	145	GLZ27BCA	USS	3758s	HC7004	HUG	4504
G50	WESF	32a	GD74E/3	SIHG	191e	GLZ30BCA	USS	3774d	HC7004A	HUG	4504a
G50E	SHEJ	1506	GD74E/4	SIHG	191f	GLZ33BCA	USS	3796a	HC7004B	HUG	4504b
G51	WESF	4560a	GD74E/5	SIHG	191g	GLZ36BCA	USS	3807j	HC7005	HUG	4508
G63	AMP	401	Ge025C	AEG	854	GLZ39BCA	USS	3827c	HC7005A	HUG	4508a
G63	WESF	4560b	Ge025E	AEG	1153	GLZ43BCA	USS	3843c	HC7005B	HUG	4508b
G64	WESF	4771	Ge025F	AEG	1294	GLZ45BCA	USS	3856u	HC7006	HUG	4490
G65	WESF	4772	Ge100B	AEG	629	GLZ47BCA	USS	3864h	HC7006A	HUG	4490a
G66	WESF	4773	Ge100D	AEG	879	GLZ50BBA	USS	3878a	HC7006B	HUG	4490b
G67	AMP	340	Ge100E	AEG	1159	GLZ52BBA	USS	3880d	HC7007	HUG	4499
G68	AMP	391	GE100F	AEG	1297d	GLZ56BCA	USS	3896b	HC7007A	HUG	4499a
G69	AMP	333	GEM1	GEGB	4391	GLZ62BCA	USS	3909	HC7007B	HUG	4499b
G107	GAH	4196	GEM2	GEGB	4392	GLZ68BCA	USS	3930a	HC7008	HUG	4505
G108	GAH	4197	GEM3	GEGB	4387e	GLZ75BCA	USS	3940w	HC7008A	HUG	4505a
G124	GAH	4113	GEM4	GEGB	4387f	GLZ82BCA	USS	3961b	HC7008B	HUG	4505b
G127	GAH	4201	GEM5	GEGB	4402x	GLZ91BCA	USS	3974d	HCR30N	HSDC	4636i
G128	GAH	4155	GEM6	GEGB	4402y	GLZ100BCA	USS	3994c	HCR30P	HSDC	4636j
G129	TII	2952g				GPIF	TSDJ	1558c	HCR50N	HSDC	4636k
G130	TII	2953c				GP1K	TSDJ	1651a	HCR50P	HSDC	4636m
G460	GAH	355				GP1N	TSDJ	2278e	HCR100N	HSDC	4636n
G500	GAH	183				GPM1NA	NECJ	81a	HCR150N	HSDC	4636q
G505	WESF	326				GPM1NB	NECJ	81b	HCR150P	HSDC	4636r
									HCR200N	HSDC	4636s

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
HCR200P	HSDC	4636t	HF1000	HUG	4689c	HR10673	HUG	1420	HZ100	INRC	3993c
HCR300P	HSDC	4636u	HF1001	HUG	4689d	HR10675	HUG	1780	HZ120	INRC	4007
HCR400P	HSDC	4636v	HF1002	HUG	4689e	HR10677	HUG	2137	HZ150	INRC	4026a
HCY	SOD	809	HF1003	HUG	4689f	HR10679	HUG	2382	HZ8119	HUG	3878b
HD2588	HUG	453	HF1004	HUG	4689g	HR10681	HUG	2548	HZ8122	HUG	3028
HD2762	HUG	4237	HG1001	HUGS	411b	HRI0741	HUG	705	HZ8123	HUG	3067a
HD2763	HUG	4238	HG1002	HUGS	411c	HR10743	HUG	983	HZ8124	HUG	3101a
HD2764	HUG	4239	HG1003	HUGS	407b	HR10745	HUG	1398	HZ8125	HUG	3138b
HD2765	HUG	4240	HG1004	HUGS	407c	HR10747	HUG	1757	HZ8126	HUG	3172
HD2963	HUG	4110c	HG1005	HUGS	404b	HR10749	HUG	2116	HZ8127	HUG	3211e
HD2964	HUG	4136g	HG1006	HUGS	404c	HSI	HSDI	2955a	HZ8128	HUG	3240
HD2967	HUG	4102b	HGI007	HUGS	311a	HS2	HSDI	2952f	HZ8129	HUG	3275b
HD2968	HUG	4107c	HG1008	HUGS	311b	HS3	HSDI	2955d	HZ8131	HUG	3304
HD4019	HUG	4278f	HG1009	HUGS	309k	HS4	HSDI	2952c	HZ8132	HUG	3318a
HD4020	HUG	4292d	HG1010	HUGS	309m	HS5	HSDI	2952d	HZ8133	HUG	3337a
HD4021	HUG	4319a	HG1011	HUGS	309g	HS30	FERB	2917h	HZ8134	HUG	3753
HD4418	HUG	82a	HG1012	HUGS	309h	HS31	FERB	2928c	HZ8135	HUG	3388d
HD4419	HUG	288c	HG5001	HUGS	3055	HS32	FERB	2933f	HZ8136	HUG	3407g
HD4420	HUG	495c	HG5002	HUGS	178c	HS51	OHI	4778	HZ8137	HUG	3453n
HD4447	HUG	377c	HG5003	HUGS	305c	HS109	HITJ	4477d	HZ8138	HUG	3477n
HD5000	HUG	41275	HG5004	HUGS	178d	HSI001	HUGS	500e	HZ8139	HUG	3506h
HD5001	HUG	4127c	HG5005	HUGS	305d	HS1002	HUGS	500f	HZ8141	HUG	3536g
HD5002	HUG	4127d	HG5006	HUGS	178e	HS1003	HUGS	500g	HZ8142	HUG	3556e
HD5003	HUG	4127e	HG5007	HUGS	94c	HS1004	HUGS	178f	HZ8143	HUG	3587
HD5004	HUG	4120a	HG5008	HUGS	94d	HS1005	HUGS	178g	HZ8144	HUG	3616d
HD5005	HUG	845	HG5009	HUGS	94e	HS1006	HUGS	178h	HZ8145	HUG	3628e
HD6002	HUG	287b	HI60	BRI	2084k	HSI007	HUGS	495a	HZ8146	HUG	3642f
HD6003	HUG	527c	HP310	OHI	4775	HS1008	HUGS	498b	HZ8147	HUG	3049a
HD6005	HUG	88a	HP315	OHI	4776	HS1009	HUGS	498c	HZ8148	HUG	3108a
HD6006	HUG	295c	HPC4-01	HSDI	4580a	HS1010	HUGS	177a	HZ8149	HUG	3193a
HD6007	HUG	4955	HPC5-01	HSDI	4580b	HS1011	HUGS	177b	HZ8151	HUG	3271a
HD6008	HUG	530c	HPC6-01	HSDI	4580c	HS1012	HUGS	177c	HZ8152	HUG	3347a
HD6009	HUG	489a	HPC7-01	HSDI	4580d	HSI101	HUGS	42925	HZ8153	HUG	3446a
HD6132	HUG	141b	HPC8-01	HSDI	4580e	HS1102	HUGS	4266c	HZ8154	HUG	3525a
HD6133	HUG	349c	HPC9-01	HSDI	4580f	HS1103	HUGS	4174c	HZ8155	HUG	3611a
HD6134	HUG	500d	HPC10-01	HSDI	4580g	HS1104	HUGS	4292a	HZ8156	HUG	3682a
HD6135	HUG	532m	HPC10-02	HSDI	4580h	HS1105	HUGS	4265a	ID1-050	IDC	4100
HD6136	HUG	557b	HR2.3	HSDI	2965b	HS1106	HUGS	4172a	ID1-050T	IDC	4100a
HD6573	HUG	4291	HR2.8	HSDI	2969b	HSI107	HUGS	4290a	ID2-050	IDC	41005
HD6635	HUG	4173	HR3.8	HSDI	3000	HS1108	HUGS	4260b	ID2-050T	IDC	4100c
HD6641	HUG	4292	HR4.4	HSDI	3031	HS1109	HUGS	4166a	ID3-050	IDC	4100d
HD6642	HUG	4170	HR5.4	HSDI	3101	HT1	HSDC	4690	ID3-050T	IDC	4100e
HD6647	HUG	4155e	HR6.5	HSDI	3166p	HT2	HSDC	4691	ID5-050	IDC	4104c
HD6648	HUG	4263	HR9.0	HSDI	3319t	HT3	HSDC	4692	ID5-050T	IDC	4106a
HD6649	HUG	4313	HR11	HSDI	3410f	HT4	HSDC	4693	ID6-050	IDC	4107d
HD6651	HUG	4265	HRI4	HITJ	2039e	HT5	HSDC	4694	ID6-050T	IDC	4110a
HD6652	HUG	4316	HR15	HITJ	2319d	HT6	HSDC	4695	ID10-050	IDC	4113a
HD6751	HUG	508	HR24	HITJ	2065a	HT7	HSDC	4696	ID10-050T	IDC	4117a
HD6752	HUG	548	HR25	HITJ	2338b	HT8	HSDC	4697	JK9A	STCB	4700
HD6753	HUG	563	HR31	OHI	4777	HT9	HSDC	4698	JK10A	STCB	4700a
HD6754	HUG	579	HR10211	HUG	1300	HT10	HSDC	4699	JK11A	STCB	4700b
HD6755	HUG	583	HR10212	HUG	1577	HTS5A	AEIL	2917j	JK19A	STCB	4701
HD6763	HUG	300	HR10213	HUG	1650	HTS10A	AEIL	2933g	JK20A	STCB	4701a
HD6764	HUG	301	HR10214	HUG	1920	HU5	HSDC	4727	JK21A	STCB	4702
HD6765	HUG	475	HR10215	HUG	1997	HU5A	HSDC	4728	JK100A	STCB	4738a
HD6766	HUG	476	HR10251	HUG	1301	HU10	HSDC	4729	KFI1	TKAD	4551
HD6767	HUG	522	HR10252	HUG	1578	HU10A	HSDC	4730		NPC	
HD6768	HUG	523	HR10253	HUG	1651	HU25	HSDC	4731	KL1	HAFO	198
HD6769	HUG	546	HR10254	HUG	1921	HU25A	HSDC	4732	KL2	HAFO	284
HD6771	HUG	547	HR10255	HUG	1998	HU50	HSDC	4733	KL6	HAFO	285
HD6772	HUG	574	HR10311	HUG	2292	HU50A	HSDC	4734	KL9	HAFO	450
HD6773	HUG	575	HR10312	HUG	2487	HU75	HSDC	4735	KR50	FERB	3519m
HD6774	HUG	589	HR10313	HUG	2621	HU75A	HSDC	4736	KR51	FERB	3599j
HD6775	HUG	590	HR10314	HUG	2685	HU100	HSDC	4737	KR52	FERB	3659
HD6777	HUG	113	HR10315	HUG	2737k	HU100A	HSDC	4738	KR53	FERB	3748k
HD6861	HUG	1578c	HR10316	HUG	2746	HZ27	INRC	3729	KR54	FERB	3782h
HD6862	HUG	1673d	HR10422	HUG	919	HZ33	INRC	3788	KR55	FERB	3818j
HD6863	HUG	20285	HR10423	HUG	1327	HZ47	INRC	3862	KR56	FERB	3856j
HD6864	HUG	2305b	HR10424	HUG	1686	HZ56	INRC	3893d	KR57	FERB	3888d
HD6865	HUG	2476b	HR10425	HUG	2042	HZ68	INRC	3925	KR58	FERB	3919d
HD6866	HUG	2622c	HR10426	HUG	2042						
HD6867	HUG	2671b	HR10671	HUG	1003						
HD6868	HUG	2739b									

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
KR59	FERB	3951	MA412	MIC	4406	MA4203X	MIC	4464s	MA4326B	MIC	4456e
KR60	FERB	3985q	MA414	MIC	4387g	MA4230	MIC	4162t	MA4326C	MIC	4460h
KR866	GIC	2934c	MA418	MIC	4438	MA4245	MIC	4174d	MA4326D	MIC	4463d
KS30A	FERB	2978d	MA418A	MIC	4439	MA4252	MIC	4462p	MA4326E	MIC	4465k
KS30B	FERB	2973e	MA418B	MIC	4440	MA4253	MIC	4462q	MA4326F	MIC	4467j
KS31A	FERB	2984a	MA419	MIC	4368	MA4254	MIC	4462r	MA4326G	MIC	4476h
KS32A	FERB	3000f	MA419A	MIC	4370a	MA4255	MIC	4457n	MA4327A	MIC	4450
KS32B	FERB	2985c	MA421A	MIC	4385	MA4256	MIC	4462h	MA4327B	MIC	4451d
KS33A	FERB	3017b	MA421B	MIC	4366	MA4257	MIC	4464p	MA4327C	MIC	4456f
KS34A	FERB	3058b	MA423A	MIC	4388	MA4258	MIC	4464n	MA4327D	MIC	4460i
KS34B	FERB	3022c	MA425	MIC	4446	MA4260	MIC	4465e	MA4327E	MIC	4463e
KS35A	FERB	3073	MA426	MIC	4389	MA4261	MIC	4466n	MA4327F	MIC	4465m
KS36A	FERB	3125b	MA428	MIC	4412	MA4280	MIC	4451	MA4327G	MIC	4467k
KS36B	FERB	3086c	MA435	MIC	4578a	MA4281	MIC	4455b	MA4328A	MIC	4450a
KS37A	FERB	3148b	MA439	MIC	4560j	MA4282	MIC	4460b	MA4328B	MIC	4451e
KS38A	FERB	3205b	MA440	MIC	4402f	MA4283	MIC	4461z	MA4328C	MIC	4456g
KS38B	FERB	3166h	MA440A	MIC	4402g	MA4284	MIC	4462f	MA4328D	MIC	4460j
KS39A	FERB	3227g	MA440B	MIC	4402h	MA4285	MIC	4464t	MA4328E	MIC	4463f
KS40A	FERB	3281a	MA441	MIC	4449a	MA4286	MIC	4466p	MA4328F	MIC	4465n
KS40B	FERB	3239j	MA443	MIC	4402j	MA4287	MIC	4467c	MA4331A	MIC	4456h
KS41A	FERB	3325a	MA443A	MIC	4402k	MA4288	MIC	4475a	MA4331B	MIC	4460k
KS42A	FERB	3388e	MA443B	MIC	4402l	MA4289	MIC	4476b	MA4331C	MIC	4463g
KS42B	FERB	3341t	MA444	MIC	4402m	MA4290	MIC	4482d	MA4331D	MIC	4465p
KS43A	FERB	3410g	MA444A	MIC	4402n	MA4291	MIC	4484a	MA4331E	MIC	4467m
KS44A	FERB	3453o	MA444B	MIC	4402p	MA4292	MIC	4486b	MA4331F	MIC	4476i
KS44B	FERB	3423k	MA444C	MIC	4402q	MA4293	MIC	4487s	MA4331G	MIC	4490h
KS602AA	ITT	742g	MA444D	MIC	4402r	MA4297	MIC	4462t	MA4332A	MIC	4456i
KS602BA	ITT	1031g	MA445	MIC	4402s	MA4298	MIC	4462u	MA4332B	MIC	4466m
KS602CA	ITT	1225c	MA445A	MIC	4402t	MA4303	MIC	4172d	MA4332C	MIC	4463h
KS602DA	ITT	1448j	MA445B	MIC	4402v	MA4304	MIC	4172e	MA4332D	MIC	4465q
KS602EA	ITT	1598c	MA446C	MIC	4402w	MA4305	MIC	4172f	MA4332E	MIC	4467n
KS602FA	ITT	1807j	MA446D	MIC	4402w	MA4306	MIC	4172g	MA4332F	MIC	4476j
KS602GA	ITT	1936f	MA449B	MIC	4367	MA4307	MIC	4266d	MA4332G	MIC	4490j
KS602HA	ITT	2164j	MA449C	MIC	4367a	MA4308	MIC	4266e	MA4333A	MIC	4456j
KS602IA	ITT	2410g	MA449D	MIC	4367b	MA4321A	MIC	4456	MA4333B	MIC	4460n
KS602MA	ITT	2573h	MA449E	MIC	4367c	MA4321B	MIC	4460c	MA4333C	MIC	4463i
KS602PA	ITT	2643k	MA449F	MIC	4367d	MA4321C	MIC	4462z	MA4333D	MIC	4465r
KS602RA	ITT	2717g	MA450A	MIC	4462x	MA4321D	MIC	4465f	MA4333E	MIC	4467p
KV1	KOKJ	2949	MA450B	MIC	4461x	MA4321E	MIC	4467e	MA4333F	MIC	4476k
KV2	KOKJ	2950	MA450C	MIC	4458b	MA4321F	MIC	4476c	MA4333G	MIC	4490k
LD47	CBS	4560h	MA450D	MIC	4457j	MA4321G	MIC	4490e	MA4334A	MIC	4451f
LD70	CBS	4124	MA450E	MIC	4452a	MA4322A	MIC	4458a	MA4334B	MIC	4456k
LD71	CBS	4119	MA450F	MIC	4452b	MA4322B	MIC	4460d	MA4334C	MIC	4460p
LD123	CBS	41	MA450G	MIC	4452c	MA4322C	MIC	4463	MA4334D	MIC	4463j
LD125	CBS	224	MA450H	MIC	4452d	MA4322D	MIC	4465g	MA4334E	MIC	4465s
LD130	CBS	182	MA451A	MIC	4389a	MA4322E	MIC	4467f	MA4334F	MIC	4467e
LD134	CBS	9a	MA451B	MIC	4389b	MA4322F	MIC	4476d	MA4334G	MIC	4476m
LD141	CBS	231	MA451C	MIC	4389c	MA4322G	MIC	4490f	MA4335A	MIC	4451g
LD142	CBS	431	MA451D	MIC	4389d	MA4323A	MIC	4456b	MA4335B	MIC	4456m
LD143	CBS	235	MA451E	MIC	4389e	MA4323B	MIC	4460e	MA4335C	MIC	4460q
LD145	CBS	165a	MA451F	MIC	4389f	MA4323C	MIC	4463a	MA4335D	MIC	4463k
LPZT8.2	USS	3259	MA458B	MIC	4390	MA4323D	MIC	4465h	MA4335E	MIC	4465t
LPZT10	USS	3366	MA458C	MIC	4390a	MA4323E	MIC	4467g	MA4335F	MIC	4467f
LPZT12	USS	3434	MA458D	MIC	4390b	MA4323F	MIC	4476e	MA4335G	MIC	4476n
LPZT15	USS	3500	MA459B	MIC	4367e	MA4323G	MIC	4490g	MA4336A	MIC	4451h
LPZT18	USS	3578	MA459C	MIC	4367f	MA4324A	MIC	4451a	MA4336B	MIC	4456n
LPZT22	USS	3670	MA459D	MIC	4367g	MA4324B	MIC	4458c	MA4336C	MIC	4460r
LPZT27	USS	3730	MA460A	MIC	4462y	MA4324C	MIC	4460f	MA4336D	MIC	4463m
LPZT33	USS	3789	MA460B	MIC	4461y	MA4324D	MIC	4463b	MA4336E	MIC	4465u
LS221	TII	4581a	MA460C	MIC	4460	MA4324E	MIC	4465i	MA4336F	MIC	4467s
LS222	TII	4581b	MA460D	MIC	4457k	MA4324F	MIC	4467h	MA4336G	MIC	4476p
LS223	TII	4581c	MA460E	MIC	4453	MA4324G	MIC	4476f	MA4337A	MIC	4450b
M150	SAR	1989	MA460F	MIC	4454	MA4325A	MIC	4451b	MA4337B	MIC	4451j
M2000	TII	4581d	MA460G	MIC	4455	MA4325B	MIC	4456d	MA4337C	MIC	4456p
M3000	TII	4581e	MA460H	MIC	4455a	MA4325C	MIC	4480g	MA4337D	MIC	4460s
MA301	MATJ	4475c	MA461	MIC	4440a	MA4325D	MIC	4463c	MA4337E	MIC	4463n
MA302	MATJ	4477e	MA461A	MIC	4440b	MA4325E	MIC	4465j	MA4337F	MIC	4465v
MA303	MATJ	4484c	MA461B	MIC	4440c	MA4325F	MIC	4467i	MA4337G	MIC	4467e
MA408	MIC	4435	MA462	MIC	4446a	MA4325G	MIC	4476g	MA4338A	MIC	4450c
MA408A	MIC	4436	MA4202X	MIC	4462n	MA4326A	MIC	4451c	MA4338B	MIC	4451k

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
MA4338C	MIC	4456q	MA4352E	MIC	4468b	MC060	MSC	2476c	MR91H	AEIL	3323f
MA4338D	MIC	4460t	MA4352F	MIC	4476x	MC070	MSC	2622d	MR100H	AEIL	3383
MA4338E	MIC	4463p	MA4352G	MIC	4491b	MC080	MSC	2671c	MR312	MOTA	764a
MA4338F	MIC	4465w	MA4352H	MIC	4457a	MC090	MSC	2739c	MR313	MOTA	1060a
MA4341A	MIC	4458r	MA4353A	MIC	4461d	MC1	OHI	4779	MR314	MOTA	1475a
MA4341B	MIC	4460u	MA4353B	MIC	4461d	MC7	SEM	4580k	MR315	MOTA	1837a
MA4341C	MIC	4463q	MA4353C	MIC	4464	MC7A	SEM	4560m	MR316	MOTA	2191a
MA4341D	MIC	4465x	MA4353D	MIC	4466g	MC7B	SEM	4560n	MR322	MOTA	7845
MA4341E	MIC	4467u	MA4353E	MIC	4468c	MC7C	SEM	4560p	MR323	MOTA	1060b
MA4341F	MIC	4476q	MA4353F	MIC	4476y	MC7D	SEM	4560q	MR324	MOTA	1475b
MA4341G	MIC	4490m	MA4353G	MIC	4491c	MC7E	SEM	4560q	MR325	MOTA	1837b
MA4342A	MIC	4456s	MA4354A	MIC	4451s	MC7F	OHI	4780	MR326	MOTA	2191b
MA4342B	MIC	4460v	MA4354B	MIC	4457b	MC21	OHI	4781	MRA1	ITC	3247a
MA4342C	MIC	4463r	MA4354C	MIC	4461e	MC100	MSC	2753a	MRA1A	ITC	3247b
MA4342D	MIC	4463r	MA4354D	MIC	4464a	MC103	MSC	4172j	MRA2	ITC	3318b
MA4342E	MIC	4465y	MA4354E	MIC	4468h	MC457A	MSC	305e	MRA2A	ITC	3318c
MA4342F	MIC	4476r	MA4354F	MIC	4468d	MC458A	MSC	500H	MRA4	ITC	3415d
MA4342G	MIC	4476r	MA4354G	MIC	4476z	MC459A	MSC	532n	MRA4A	ITC	3415e
MA4342H	MIC	4490n	MA4354H	MIC	4451t	MC482A	MSC	141c	MRA5A	ITC	3463b
MA4343A	MIC	4456t	MA4355A	MIC	4451t	MC483A	MSC	349d	MS1	FERB	4607e
MA4343B	MIC	4460w	MA4355B	MIC	4457c	MC484A	MSC	500j	MS1A	FERB	4607f
MA4343C	MIC	4463s	MA4355C	MIC	4461f	MC485A	MSC	532p	MS1B	FERB	4607g
MA4343D	MIC	4465z	MA4355D	MIC	4464b	MC486A	MSC	557c	MS1C	FERB	4607h
MA4343E	MIC	4467w	MA4355E	MIC	44661	MC487A	MSC	580a	MS1H	AEIL	254e
MA4343F	MIC	4476s	MA4355F	MIC	4468e	MC488A	MSC	594j	MS2	FERB	4608
MA4343G	MIC	4491	MA4355G	MIC	4477	MC629	MSC	4310a	MS2A	FERB	4608a
MA4344A	MIC	4451m	MA4355H	MIC	4451u	MC643	MSC	4313d	MS2H	FERB	431a
MA4344B	MIC	4456u	MA4356A	MIC	4457d	MC658	MSC	4278a			
MA4344C	MIC	4460x	MA4356B	MIC	4461g	MC659	MSC	4192a			
MA4344D	MIC	4463t	MA4356C	MIC	4464c	MC662	MSC	4264a			
MA4344E	MIC	4466	MA4356D	MIC	4466j	MC663	MSC	4270b			
MA4344F	MIC	4467x	MA4356E	MIC	4477a	MC908	MSC	4172m			
MA4344G	MIC	4476t	MA4356F	MIC	4477a	MC907	MSC	4172m			
MA4345A	MIC	4451n	MA4356G	MIC	4476t	MC908	MSC	4172n			
MA4345B	MIC	4456v	MA4356H	MIC	4450f	MC914	MSC	4264b			
MA4345C	MIC	4460y	MA4357A	MIC	4451v	MC916	MSC	4264c			
MA4345D	MIC	4463u	MA4357B	MIC	4457e	MC928	MSC	4278g			
MA4345E	MIC	4466a	MA4357C	MIC	4457e	ME1	RAYN	4782			
MA4345F	MIC	4467y	MA4357D	MIC	4464d	MEZ5.6T10	INRC	3085c			
MA4345G	MIC	4476u	MA4357E	MIC	4466k	MEZ6.8T10	INRC	3166j			
MA4346A	MIC	4451p	MA4357F	MIC	4468g	MEZ8.2T10	INRC	3239k			
MA4346B	MIC	4456w	MA4357G	MIC	4468g	MEZ10T10	INRC	3341u			
MA4346C	MIC	4460z	MA4357H	MIC	4450g	MEZ12T10	INRC	3423l			
MA4346D	MIC	4463v	MA4358A	MIC	4451w	MEZ15T10	INRC	3519n			
MA4346E	MIC	4466b	MA4358B	MIC	4457f	MEZ18T10	INRC	3599k			
MA4346F	MIC	4467z	MA4358C	MIC	44611	MEZ22T10	INRC	3659a			
MA4346G	MIC	4476v	MA4358D	MIC	4464e	MEZ27T10	INRC	3748m			
MA4347A	MIC	4450d	MA4358E	MIC	4466m	MP13	TSDJ	1301f			
MA4347B	MIC	4451q	MA4358F	MIC	4468j	MP14	TSDJ	1593d			
MA4347C	MIC	4456x	MA4358G	MIC	4461j	MP15	TSDJ	1919c			
MA4347D	MIC	4461	MA4358H	MIC	4481j	MP16	TSDJ	2017			
MA4347E	MIC	4463w	MA4362	MIC	4457g	MP17	TSDJ	2279k			
MA4347F	MIC	4466c	MA4380X	MIC	4451x	MP18	TSDJ	2382h			
MA4347G	MIC	4468	MA4381X	MIC	4458h	MP18	TSDJ	2382h			
MA4348A	MIC	4450e	MA4382X	MIC	4462	MP100	GIC	434a			
MA4348B	MIC	4451r	MA4383X	MIC	4464g	MP225	GIC	553c			
MA4348C	MIC	4466y	MA4384X	MIC	4464g	MP300	GIC	577b			
MA4348D	MIC	4461a	MA4385X	MIC	4464u	MP400	GIC	594b			
MA4348E	MIC	4463x	MA4413	MIC	4162u	MP500	GIC	597a			
MA4348F	MIC	4466d	MA4414	MIC	4149	MP600	GIC	599			
MA4351A	MIC	4456z	MA4415	MIC	4128g	MP600	GIC	599			
MA4351B	MIC	4461b	MA-H	MIC	4606f	MR5	TSC	718			
MA4351C	MIC	4463y	MC001	MSC	4172h	MR33H	AEIL	2977b			
MA4351D	MIC	4466e	MC002	MSC	4293b	MR36H	AEIL	2981			
MA4351E	MIC	4468a	MC005	MSC	646b	MR39H	AEIL	3000g			
MA4351F	MIC	4476w	MC010	MSC	9045	MR43H	AEIL	3016a			
MA4351G	MIC	4491a	MC015	MSC	1178a	MR47H	AEIL	3054			
MA4352A	MIC	4457a	MC020	MSC	1314b	MR51H	AEIL	3072d			
MA4352B	MIC	4461c	MC025	MSC	1583a	MR56H	AEIL	3123a			
MA4352C	MIC	4463z	MC030	MSC	1673e	MR62H	AEIL	3146			
MA4352D	MIC	4466f	MC035	MSC	1928d	MR68H	AEIL	3198a			
			MC040	MSC	2028c	MR75H	AEIL	3226e			
			MC050	MSC	2305c	MR82H	AEIL	3280			



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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
MZ15BFA	USS	3536h	NA65	NAE	2498	NA5035	NAE	2443c	OA90	PHIN	33b
MZ15T20	INRC	3477a	NA66	NAE	2478	NA6010	NAE	2580a		MULB	
MZ16BDA	USS	3554g	NA74	NAE	2631	NA6020	NAE	2592a		RADF	
MZ16T5	INRC	3556f	NA75	NAE	2625	NA6035	NAE	2605c	OA91	MULB	370
MZ17BBA	USS	3587a	NA76	NAE	2623	NCR025D	NAE	6185		PHIN	
MZ18BFA	USS	3616e	NA84	NAE	2695	NCR025E	NAE	617b	OA92	PHIN	4119a
MZ19BBA	USS	3628f	NA85	NAE	2680	NCR050D	NAE	755	OA95	MULB	371
MZ20BDA	USS	3642g	NA86	NAE	2672	NCR050E	NAE	766b		PHIN	
MZ20T5	INRC	3642h	NA104	NAE	2771	NCR100D	NAE	1046a	OA126/5	TFKG	3057
MZ22BFA	USS	3690d	NA105	NAE	2781	NCR100E	NAE	1062a	OA126/6	TFKG	3128
MZ22T20	INRC	3622d	NA106	NAE	2754	NCR150D	NAE	1225	OA126/7	TFKG	3201
MZ24BDA	USS	3711h	NA124	NAE	2806	NCR150E	NAE	1241b	OA126/8	TFKG	3242
MZ24T5	INRC	3711j	NA125	NAE	2799	NCR200D	NAE	1463	OA126/9	TFKG	3316
MZ25BBA	USS	3718b	NA126	NAE	2796	NCR200E	NAE	1477b	OA126/10	TFKG	3384
MZ27BFA	USS	3756e	NA150	NAE	2841	NCR250D	NAE	1599a	OA126/11	TFKG	3408
MZ30BDA	USS	3774e	NA150R	NAE	2842	NCR250E	NAE	1603b	OA126/12	TFKG	3454
MZ30T5	INRC	3774f	NA151	NAE	2872	NCR300D	NAE	1824	OA126/14	TFKG	3484
MZ33BDA	USS	3796b	NA152	NAE	2886	NCR300E	NAE	1839b	OA126/18	TFKG	3565
MZ36BDA	USS	3807k	NA155	NAE	2845a	NCR400D	NAE	2178	OA127	TFKG	3688
MZ39BDA	USS	3827d	NA158	NAE	2837a	NCR400E	NAE	2193b	OA128	TFKG	3812
MZ43BDA	USS	3843d	NA603	NAE	621a	NL5	NAE	673	OA129	TFKG	3960
MZ45BBA	USS	3856v	NA605	NAE	742h	NL10	NAE	937	OA130	TFKG	4032s
MZ47BDA	USS	3864j	NA610	NAE	1031h	NL15	NAE	1188	OA131	TFKG	4054
MZ50BBA	USS	3878c	NA615	NAE	1225d	NL20	NAE	1347	OA132	TFKG	4097
MZ52BBA	USS	3880e	NA620	NAE	1448k	NL25	NAE	1588	OA150	TFKG	402
MZ56BDA	USS	3896c	NA630	NAE	1807k	NL30	NAE	1707	OA159	TFKG	80
MZ62BDA	USS	3909a	NA640	NAE	2164k	NL40	NAE	2066	OA160	TFKG	15
MZ68BDA	USS	3930b	NA650	NAE	2410h	NL50	NAE	2339	OA161	TFKG	470
MZ75BDA	USS	3940x	NA660	NAE	2573j	NL60	NAE	2506b	OA172	TFKG	75
MZ82BDA	USS	3962	NA0305	NAE	621	NP50A	NAE	2307a	OA179	TFKG	190
MZ91BDA	USS	3974e	NA0310	NAE	622	NP60A	NAE	2478a	OA180	TFKG	42
MZ100BDA	USS	3994d	NA0320	NAE	623	OA5	AMP	408	OA182	TFKG	350
MZ105BB	USS	4001g	NA0505	NAE	733		MULB		OA186	TFKG	4192
MZ110BD	USS	4003b	NA0520	NAE	779	OA7	PHIN		OA200	PHIN	174d
MZ120BD	USS	4015f	NA0535	NAE	805c		AMP	21		AMP	
MZ130BD	USS	4020a	NA1005	NAE	1023		MULB		OA202	PHIN	495g
MZ140BB	USS	4026d	NA1035	NAE	1102c	OA9	PHIN			AMP	
MZ150BD	USS	4035h	NA1203	NAE	622b		AMP	66	OA210	AMP	2087
MZ175BB	USS	4060	NA1205	NAE	762k	OA10	PHIN			PHIN	
MZ200BC	USS	4090	NA1210	NAE	1057	OA21	MULB	4150	OA211	MULB	2884
N2009	TII	4610a	NA1215	NAE	1237c	OA31	TKAD	4575		AMP	
NA1	NAE	594	NA1220	NAE	1473a		PHIN	886	OA214	PHIN	2825m
NA2	NAE	662	NA1230	NAE	1835a	OA41	AMP			AMP	
NA3	NAE	647	NA1240	NAE	2189a	OA47	MULB	4180	OA250	PHIN	782p
NA5	NAE	663	NA1250	NAE	2426a		TKAD	4122c	OA251	RADF	1058c
NA11	NAE	968	NA1260	NAE	2587a	OA70	PHIN		OA252	RADF	1473d
NA12	NAE	928	NA1505	NAE	1218		RADF		OA255	AMP	4581f
NA13	NAE	905	NA1510	NAE	1228	OA71	MULB	196	OA260	PHIN	3054a
NA21	NAE	1380	NA1520	NAE	1247		RADF			AMP	
NA22	NAE	1335	NA1535	NAE	1266b	OA72	PHIN	825	OA261	MULB	3072f
NA23	NAE	1315	NA2005	NAE	1440	OA73	MULB	33		AMP	
NA25	NAE	1336	NA2035	NAE	1515c		PHIN		OA262	MULB	31235
NA31	NAE	1739	NA2505	NAE	1595	OA74	RADF	124		PHIN	
NA32	NAE	1693	NA2510	NAE	1599	OA79	MULB	83	OA263	AMP	3148a
NA33	NAE	1673f	NA2520	NAE	1609		PHIN			AMP	
NA35	NAE	1694	NA2535	NAE	1624c	OA81	RADF		OA264	MULB	3155
NA36	NAE	1674	NA3005	NAE	1759		MULB	372		PHIN	
NA41	NAE	2059	NA3010	NAE	1823	OA85	PHIN	368	OA265	AMP	3226h
NA42	NAE	2049	NA3020	NAE	1850		RADF			MULB	
NA43	NAE	2029	NA3035	NAE	1877c	OA86	PHIN	4191	OA266	PHIN	3280a
NA45	NAE	2050	NA3505	NAE	1935		MULB			AMP	
NA46	NAE	2030	NA3510	NAE	1939		PHIN			MULB	
NA51	NAE	2361	NA3520	NAE	1947		RADF			PHIN	
NA52	NAE	2328	NA3535	NAE	1963b		MULB	4191		AMP	
NA53	NAE	2306	NA4005	NAE	2156		PHIN			MULB	
NA55	NAE	2329	NA4010	NAE	2177		RADF			PHIN	
NA56	NAE	2307	NA4020	NAE	2203		MULB			AMP	
NA61	NAE	2528	NA4035	NAE	2233c		PHIN			MULB	
NA62	NAE	2497	NA5010	NAE	2417		RADF			PHIN	
NA63	NAE	2477	NA5020	NAE	2431a		MULB			AMP	

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
OAZ207	PHIN AMP MULB	3324b	PG112-10	PSI	4468k	PM041	PSI	4264d	PR625	NAE	3644
OAZ208	PHIN MULB	3380c	PC113-22	PSI	4481	PM042	PSI	4315c	PR644	NAE	3692
OAZ209	PHIN MULB	3057a	PC114-47	PSI	4493d	PR4	NPC	4584b	PR645	NAE	3713
OAZ210	PHIN MULB	3123c	PC115-10	PSI	4488m	PR5	NPC	4584c	PR646	NAE	3750
OAZ211	PHIN MULB	3202a	PC116-22	PSI	4482	PR7	NPC	4584d	PR704	NAE	3050
OAZ212	PHIN MULB	3280b	PC117-47	PSI	4493e	PR410	NAE	3342a	PR705	NAE	3109
OAZ213	PHIN MULB	3385a	PC122-47	PSI	4493f	PR411	NAE	3406f	PR706	NAE	3194
OMC113	OHM	4234	PC132-10	PSI	4468n	PR412	NAE	3423m	PR708	NAE	3272
OMC118	OHM	4235	PC133-22	PSI	4482a	PR413	NAE	3470	PR710	NAE	3348
OMC213	OHM	4230	PC134-47	PSI	4493g	PR414	NAE	3486b	PR712	NAE	3447
OMC218	OHM	4231	PC135-10	PSI	4468p	PR415	NAE	3520	PR715	NAE	3526
OMC351	OHM	4228	PC136-22	PSI	4482b	PR416	NAE	3548e	PR718	NAE	3612
ORP10	MULB	4630	PC137-47	PSI	4493h	PR417	NAE	3563	PR724	NAE	3683
ORP11	MULB	4630a	PC500	OHI	4785a	PR418	NAE	3599m	PR804	NAE	3051
ORP60	AMP	4630b	PD1	PSI	4168	PR419	NAE	3621	PR805	NAE	3110
ORP61	AMP	4631	PD021	PSI	4174	PR420	NAE	3634	PR806	NAE	3195
OS32	TKAD	135	PD031	PSI	4261	PR422	NAE	3640d	PR808	NAE	3273
OS33	TKAD	167a	PD034	PSI	4266	PR424	NAE	3706b	PR810	NAE	3349
OS34	TKAD	408a	PD041	PSI	4314	PR425	NAE	3709h	PR812	NAE	3447a
OS35	TKAD	495d	PD042	PSI	4315	PR427	NAE	3748n	PR815	NAE	3527
OS36	TKAD	577g	PD101	PSI	165b	PR430	NAE	3772d	PR818	NAE	3613
OV6	TKAD	3081	PD102	PSI	168b	PR433	NAE	3782j	PR824	NAE	3684
OV7	TKAD	3160a	PD103	PSI	1781	PR436	NAE	3805	PRS1	BER	584
OV8	TKAD	3225	PD104	PSI	404d	PR439	NAE	3818k	PS005	PSI	851
OV9	TKAD	3296a	PD105	PSI	411d	PR504	NAE	3024	PS010	PSI	912
OV10	TKAD	3342	PD106	PSI	422a	PR505	NAE	3069	PS015	PSI	1181
OY2	TKAD	907	PD107	PSI	428c	PR506	NAE	3113	PS020	PSI	1320
OY3	TKAD	884	PD108	PSI	532d	PR507	NAE	3139	PS025	PSI	1585
OY4	TKAD	855	PD109	PSI	4315a	PR508	NAE	3168	PS030	PSI	1678
OY5	TKAD	630	PD110	PSI	565a	PR509	NAE	3213	PS035	PSI	1928
OY101	AEG	1578	PD111	PSI	591b	PR510	NAE	3229	PS040	PSI	2034
OY5061	INTG	941c	PD112	PSI	595b	PR511	NAE	3276	PS050	PSI	2314
OY5062	INTG	1352c	PD113	PSI	597d	PR512	NAE	3300	PS060	PSI	2484
OY5063	INTG	1713a	PD114	PSI	600b	PR513	NAE	3320	PS105	PSI	874
OY5064	INTG	2073b	PD122	PSI	11b	PR514	NAE	3351	PS110	PSI	938
OY5065	INTG	2342f	PD123	PSI	13a	PR515	NAE	3389	PS115	PSI	1189
OY5066	INTG	2509f	PD124	PSI	4170a	PR516	NAE	3411	PS120	PSI	1348
OY5067	INTG	2625p	PD125	PSI	231a	PR517	NAE	3455	PS125	PSI	1589
P8H	SOIF	2710	PD126	PSI	4251a	PR518	NAE	3478	PS130	PSI	1708
P506	SOIF	742j	PD127	PSI	4252a	PR519	NAE	3507	PS135	PSI	1932
P510	SOIF	755a	PD128	PSI	4270c	PR520	NAE	3537	PS140	PSI	2068
P1006	SOIF	1031j	PD129	PSI	450c	PR521	NAE	3557	PS150	PSI	2340
P1010	SOIF	1047	PD130	PSI	505c	PR522	NAE	3601	PS160	PSI	2507
P2006	SOIF	1448m	PD131	PSI	65e	PR523	NAE	3617	PS405	PSI	884
P2010	SOIF	1463a	PD132	PSI	128b	PR524	NAE	3635	PS410	PSI	927
PS005	SOIF	1807m	PD133	PSI	356c	PR525	NAE	3643	PS415	PSI	1186
P3010	SOIF	1824a	PD134	PSI	504d	PR544	NAE	3691	PS420	PSI	1337
P4006	SOIF	2164m	PD135	PSI	554d	PR545	NAE	3712	PS425	PSI	1587
P4010	SOIF	2178a	PD301	PSI	4182v	PR546	NAE	3749a	PS430	PSI	1695
P5006	SOIF	2410j	PD302	PSI	4162w	PR604	NAE	3025	PS435	PSI	1930
P6006	SOIF	2573k	PD303	PSI	4162x	PR605	NAE	3070	PS440	PSI	2051
PA305	GIC	855	PD304	PSI	4162y	PR606	NAE	3113a	PS450	PSI	2330
PA310	GIC	918	PD305	PSI	4236a	PR607	NAE	3140	PS460	PSI	2499
PA315	GIC	1185	PD306	PSI	4162z	PR608	NAE	3169	PS532	PSI	4637
PA320	GIC	1326	PD307	PSI	4183	PR609	NAE	3214	PS592G	PSI	4638
PA325	GIC	1586	PD308	PSI	4163a	PR610	NAE	3230	PS594	PSI	4639
PA330	GIC	1685	PD309	PSI	4163b	PR611	NAE	3277	PS595	PSI	4641
PA340	GIC	2040	PD310	PSI	4236b	PR612	NAE	3301	PS603	PSI	96
PA350	GIC	2320	PD311	PSI	4197a	PR613	NAE	3321	PS604	PSI	97
PA360	GIC	2491	PD400	PSI	4184a	PR614	NAE	3352	PS605	PSI	98
PC5	OHI	4785	PG40B	STCB	4582	PR615	NAE	3390	PS609	PSI	255
PC103	INRC	4631a	PG50A	STCB	4583	PR616	NAE	3412	PS610	PSI	256
			PHGI	CSF	4584	PR617	NAE	3456	PS611	PSI	257
				MSI		PR618	NAE	3479	PS615	PSI	465
				NPC		PR619	NAE	3508	PS616	PSI	466
			PHGZ	NPC	4584a	PR620	NAE	3538	PS617	PSI	467
			PM1	PSI	4168a	PR621	NAE	3558	PS621	PSI	509
			PM021	PSI	4174a	PR622	NAE	3602	PS622	PSI	510
			PM031	PSI	4261a	PR623	NAE	3618	PS623	PSI	511
			PM034	PSI	4316a	PR624	NAE	3636	PS627	PSI	549

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
PS628	PSI	550	PSI5505A	PSI	3842k	PS6467	PSI	3010	Q50-950	IDC	4179
PS629	PSI	551	PSI506	PSI	3878d	PS6468	PSI	3052	Q51	TEC	14d
PS632	PSI	571	PSI506A	PSI	3878e	PS6469	PSI	3111	Q52	TEC	94f
PS633	PSI	572	PSI507	PSI	3906p	<del>PS6470</del>	<del>PSI</del>	<del>3196</del>	Q53	TEC	247d
PS636	PSI	587	PSI507A	PSI	3906q	PS7267	PSI	4162f	Q54	TEC	461e
PS637	PSI	588	PSI508	PSI	3927g	PS7268	PSI	4162g	Q55	TEC	461f
PS645	PSI	4643	PSI508A	PSI	3927h	PS7269	PSI	4209	Q56	TEC	507f
<del>PS645C</del>	<del>PSI</del>	<del>4644</del>	PSI509	PSI	3942h	PS7270	PSI	4276b	Q57	TEC	507g
PS700	PSI	4143	PSI509A	PSI	3942j	PT505	GIC	675	Q58	TEC	532v
PS701	PSI	4176	PSI510	PSI	3962n	PT510	GIC	939	Q59	TEC	570a
PS702	PSI	4244	PSI510A	PSI	3962p	PT515	GIC	1190	Q60	TEC	553a
PS703	PSI	4241	PS2207	PSI	305f	PT520	GIC	1349	Q60-500	IDC	4205
<del>PS704</del>	<del>PSI</del>	<del>4242</del>	PS2208	PSI	305g	PT525	GIC	1590	Q60-750	IDC	4206
PS705	PSI	4243	PS2209	PSI	305h	PT530	GIC	1709	Q60-950	IDC	4207
PS720	PSI	4141	PS2245	PSI	1579c	PT540	GIC	2069	Q61	TEC	597e
PS721	PSI	4168b	PS2246	PSI	1708a	PT550	GIC	2341	Q60-500	IDC	4245
PS722	PSI	4251	PS2247	PSI	2068a	PT560	GIC	2507b	Q80-750	IDC	4246
PS723	PSI	4300	<del>PS2248</del>	<del>PSI</del>	<del>2340a</del>	PZ10A	SOIF	3366a	Q80-950	IDC	4247
<del>PS724</del>	<del>PSI</del>	<del>4289</del>	PS2249	PSI	2507a	PZ10B	SOIF	3993d	Q100-500	IDC	4257
PS1140	PSI	2754a	PS2345	PSI	1757a	PZ12A	SOIF	3435	Q100-750	IDC	4258
PS1141	PSI	2837b	PS2346	PSI	2541e	PZ15A	SOIF	3500a	Q100-950	IDC	4259
PS1142	PSI	2885a	PS2347	PSI	2772c	PZ18A	SOIF	3578a	QK748	RAYN	4785b
PS1143	PSI	2905a	PS2348	PSI	2853e	PZ22A	SOIF	3670a	QKN884	RAYN	4785c
<del>PS1144</del>	<del>PSI</del>	<del>2911a</del>	<del>PS2349</del>	<del>PSI</del>	<del>2890a</del>	PZ27A	SOIF	3730a	QZ3.3T10	INRC	2973e
PS1145	PSI	2917c	PS2350	PSI	2901f	PZ33A	SOIF	3789a	QZ3.6T5	INRC	2984c
PS1146	PSI	2921b	PS2351	PSI	2905g	PZ39A	SOIF	3825j	QZ3.9T10	INRC	2985d
PS1147	PSI	2930a	PS2352	PSI	2905r	PZ47A	SOIF	3862a	QZ4.3T5	INRC	3017c
PS1148	PSI	2933a	PS2353	PSI	2911f	PZ56A	SOIF	3893e	QZ4.7T10	INRC	3022d
<del>PS1149</del>	<del>PSI</del>	<del>2957d</del>	PS2354	PSI	2912d	PZ68A	SOIF	3925a	QZ5.1T5	INRC	3073a
PS1172	PSI	2959a	<del>PS2355</del>	<del>PSI</del>	<del>2917k</del>	PZ82A	SOIF	3957d	QZ5.6T10	INRC	3086d
PS1173	PSI	2959e	PS2356	PSI	2923	<del>PZ78.2</del>	USS	3260	QZ6.2T5	INRC	3148c
PS1174	PSI	2964b	PS2357	PSI	2924d	PZT10	USS	3367	QZ6.8T10	INRC	3168k
PS1175	PSI	2967	PS2358	PSI	2931b	PZT12	USS	3435a	QZ7.5T5	INRC	3227j
<del>PS1176</del>	<del>PSI</del>	<del>2968a</del>	PS2359	PSI	2931e	PZT15	USS	3501	QZ8.2T10	INRC	3239l
PS1177	PSI	2969d	<del>PS2360</del>	<del>PSI</del>	<del>2933e</del>	PZT18	USS	3579	QZ9.1T5	INRC	3226
PS1421	PSI	2978e	PS2411	PSI	647a	PZT22	USS	3671	QZ10T10	INRC	3342b
PS1422	PSI	2984b	PS2412	PSI	895e	<del>PZT27</del>	<del>USS</del>	<del>3731</del>	QZ11T5	INRC	3412a
PS1423	PSI	3012c	PS2413	PSI	1303b	PZT33	USS	3790	QZ12T10	INRC	3423n
<del>PS1424</del>	<del>PSI</del>	<del>3021b</del>	PS2414	PSI	2019	Q3-90	IDC	4101	QZ13T5	INRC	3479a
PS1425	PSI	3064a	PS2415	PSI	2467a	Q3-90T	IDC	4102	QZ14T10	INRC	3486c
PS1426	PSI	3080a	<del>PS2416</del>	<del>PSI</del>	<del>2665a</del>	Q4-100	IDC	4103	QZ15T5	INRC	3538d
PS1441	PSI	2849a	PS2417	PSI	2746a	Q4-500	IDC	4104	QZ16T10	INRC	3548f
PS1442	PSI	2888b	PS2418	PSI	2827a	Q5-100	IDC	4105	QZ17T5	INRC	3587b
<del>PS1443</del>	<del>PSI</del>	<del>2905e</del>	PS2419	PSI	2881a	Q5-250	IDC	4106	QZ18T10	INRC	3599n
PS1444	PSI	2911e	PS2422	PSI	2881b	Q6-100	IDC	4108	QZ19T5	INRC	3636a
PS1445	PSI	2917g	PS2423	PSI	2903b	Q6-100T	IDC	4110b	QZ20T10	INRC	3634a
PS1446	PSI	2922a	<del>PS2424</del>	<del>PSI</del>	<del>2910b</del>	Q6-250	IDC	4109	QZ22T5	INRC	3692a
PS1447	PSI	2924b	PS2425	PSI	2916b	Q6-500	IDC	4110	QZ24T10	INRC	3706c
<del>PS1448</del>	<del>PSI</del>	<del>2931a</del>	PS2426	PSI	2919a	Q10-100	IDC	4113b	QZ25T5	INRC	3718
PS1449	PSI	2931d	PS2427	PSI	2924a	Q10-100T	IDC	4117b	QZ27T10	INRC	3748p
PS1450	PSI	2933d	PS2428	PSI	2928e	Q10-250	IDC	4114	QZ30T5	INRC	3774g
PS1451	PSI	2934e	PS2429	PSI	2931c	Q10-500	IDC	4115	R3.9	GIC	2995
PS1452	PSI	2935c	PS2430	PSI	2932c	Q10-750	IDC	4116	R4.7	GIC	3037
PS1453	PSI	2937a	PS6313	PSI	3274	Q10-950	IDC	4117	R5	TSC	734
<del>PS1454</del>	<del>PSI</del>	<del>2938b</del>	PS6314	PSI	3350	Q20-250	IDC	4132	R5.6	GIC	3095
PS1455	PSI	2939b	PS6315	PSI	3447b	Q20-500	IDC	4133	R6.8	GIC	3181
PS1456	PSI	2940c	PS6316	PSI	3527a	Q20-750	IDC	4134	R8H	SOIF	2722a
PS1457	PSI	2941b	<del>PS6317</del>	<del>PSI</del>	<del>3614</del>	Q20-950	IDC	4135	R8.2	GIC	3281
PS1458	PSI	2941d	PS6318	PSI	3684a	Q30-500	IDC	4151	R10	GIC	3368
PS1459	PSI	2941e	PS6319	PSI	3756	Q30-750	IDC	4152	R10	TSC	1024
PS1460	PSI	2943a	PS6320	PSI	3793	Q30-950	IDC	4153	R12	GIC	3436
<del>PS1501</del>	<del>PSI</del>	<del>3293f</del>	PS6321	PSI	3830	Q31	TEC	3b	R15	GIC	3475
PS1501A	PSI	3293g	<del>PS6322</del>	<del>PSI</del>	<del>3884</del>	Q32	TEC	3c	R15	TSC	1219
PS1502	PSI	3565e	PS6323	PSI	3894a	Q40-500	IDC	4163m	R18	GIC	3580
PS1502A	PSI	3566f	PS6324	PSI	3927	Q40-750	IDC	4164	R20	TSC	1441
PS1503	PSI	3718e	PS6325	PSI	3959	Q40-950	IDC	4164a	R22	GIC	3672
PS1503A	PSI	3718f	PS6326	PSI	3987	Q49	TEC	68c	R25	TSC	1598
PS1504	PSI	3799	<del>PS6327</del>	<del>PSI</del>	<del>4013</del>	Q50	TEC	68d	R27	GIC	3732
PS1504A	PSI	3799a	PS6465	PSI	2964	Q50-500	IDC	4177	R30	TSC	1800
PS1505	PSI	3842j	PS6466	PSI	2977	Q50-750	IDC	4178	R35	TSC	1936

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
R40	TSC	2157	RL232	SIHG	4786	S3AN125	WESB	1905e	S28	SCN	2677
R45	TSC	2282	RL232B	SIHG	4787	S3EN200	WESB	1911k	S28I	SCN	2696a
R50	TSC	2404	RL246	SIHG	148	S4AN125	WESB	2260b	S30	TSC	1825
R55	TSC	2463	RL247	SIHG	326a	S4BN200	WESB	2270	S30	SCN	2516
R60	TSC	2567	RS6	HSDI	3084a	S5	TSC	758	S31	SCN	1709a
R65	TSC	2617	RS20AF	STCB	652	S5AN125	WESB	2451d	S32	SCN	614n
R70	TSC	2643	RS21AF	STCB	913	S5B10	SHEJ	1076	S32	INTG	13c
R75	TSC	2662	RS22AF	STCB	1182	S5B20	SHEJ	1491	S33	SCN	630a
R80	TSC	2715	RS23AF	STCB	1321	S5B30	SHEJ	1852	S33	INTG	167b
R815	SOIF	785	RS24AF	STCB	1679	S5B40	SHEJ	2204a	S34	SCN	618b
R820	SOIF	780	RS25AF	STCB	2035	S5B50	SHEJ	2431b	S34	INTG	408b
R1015	SOIF	1061	RS26AF	STCB	2315	S5B60	SHEJ	2592b	S35	INTG	495e
R1020	SOIF	1075	RS27AF	STCB	2485	S5B80	SHEJ	2727a	S35	SCN	1409
R2015	SOIF	1476	RS28AF	STCB	2675	S5B100	SHEJ	2788b	S35	TSC	1940
R2020	SOIF	1490	RS30BF	STCB	696	S5EN200	WESB	2460d	S36	SCN	2485a
R3015	SOIF	1838	RS31BF	STCB	585	S6AN125	WESB	2612a	S36	INTG	577h
R3020	SOIF	1851	RS32BF	STCB	1201	S6EN200	WESB	2616f	S37	SCN	713a
R4015	SOIF	2192	RS33BF	STCB	1382	S7AN125	WESB	2650h	S38	SCN	714g
R4020	SOIF	2204	RS34BF	STCB	1741	S7EN200	WESB	2656a	S39	SCN	876f
R5015	SOIF	2428e	RS35BF	STCB	2101	S8AN125	WESB	2732a	S40	TSC	2179
R6015	SOIF	2587e	RS36BF	STCB	2363	S8B10	SHEJ	1109a	S40	SCN	676a
RD5A	NECJ	3052a	RS37BF	STCB	2530	S8B20	SHEJ	1522a	S40A	SCN	676b
RD5B	NECJ	3052b	RS38BF	STCB	2696	S8B30	SHEJ	1883a	S43	SCN	607a
RD5C	NECJ	3021c	RS50AF	STCB	735	S8B40	SHEJ	2239a	S44	SCN	885d
RD5A	NECJ	3111a	RS51AF	STCB	1025	S8B50	SHEJ	2447a	S45	SCN	1315a
RD6B	NECJ	3111b	RS52AF	STCB	1220	S8B60	SHEJ	2809a	S45	TSC	2283
RD6C	NECJ	3111c	RS53AF	STCB	1442	S8B80	SHEJ	2731d	S46	SCN	1182a
RD7A	NECJ	3196a	RS54AF	STCB	1801	S8B100	SHEJ	2789c	S47	SCN	624g
RD7B	NECJ	3196b	RS55AF	STCB	2158	S8EN200	WESB	2737b	S48	SCN	664a
RD7C	NECJ	3196c	RS56AF	STCB	814	S9AN125	WESB	2745h	S49	SCN	832
RD9A	NECJ	3274a	RS81AF	STCB	1111	S9EN200	WESB	2745k	S50	TSC	2418
RD9B	NECJ	3274b	RS82AF	STCB	1271	S10	TSC	1048	S50	SCN	719
RD9C	NECJ	3274c	RS83AF	STCB	1524	S10	SCN	939a	S51	SCN	1005
RD11A	NECJ	3350a	RS84AF	STCB	1888	S10A	SCN	939b	S52	SCN	1422
RD11B	NECJ	3350b	RT6	HSDI	3084b	S10AN125	WESB	2790a	S53	SCN	1782
RD11C	NECJ	3350c	RV8	INRC	3287f	S10EN200	WESB	2790c	S54	SCN	2135
RD13A	NECJ	3441h	RV8A	INRC	3287g	S12	SCN	2798a	S55	SCN	2393
RD13B	NECJ	3447c	RV8PC	INRC	3287h	S13	SCN	2019b	S55	TSC	2464
RD13C	NECJ	3448	RV8PCA	INRC	3287j	S14	SCN	629h	S56	SCN	2559
RD16A	NECJ	3527d	RZ10A	SOIF	3368a	S15	SCN	2341a	S57	SCN	2642a
RD16B	NECJ	3527c	RZ10B	SOIF	3993e	S15	TSC	1230	S58	SCN	2709
RD16C	NECJ	3528	RZ12A	SOIF	3436a	S16	SCN	2070	S59	SCN	2734f
RD19A	NECJ	3614a	RZ15A	SOIF	3501a	S18A	SCN	2070a	S60	SCN	2776d
RD19B	NECJ	3614b	RZ18A	SOIF	3580a	S16B	SCN	2073c	S60	TSC	2581
RD19C	NECJ	3614c	RZ22A	SOIF	3672a	S16B10	SHEJ	1144	S61	SCN	2765
RD24A	NECJ	3685	RZ27A	SOIF	3732a	S16B20	SHEJ	1552b	S62	SCN	2783g
RD24B	NECJ	3685a	RZ33A	SOIF	3790a	S16B30	SHEJ	1915b	S63	SCN	2685a
RD24C	NECJ	3685b	RZ39A	SOIF	3825k	S16B40	SHEJ	2273b	S65	TSC	2618
RD29A	NECJ	3756a	RZ47A	SOIF	3862b	S16B50	SHEJ	2460g	S70	TSC	2644
RD29B	NECJ	3756b	RZ58A	SOIF	3883f	S16B60	SHEJ	2616j	S71	SCN	939c
RD29C	NECJ	3756c	RZ68A	SOIF	3925b	S16B80	SHEJ	2737c	S72	SCN	614h
RD35A	NECJ	3793d	RZ82A	SOIF	3957e	S16B100	SHEJ	2790d	S73	SCN	618h
RD35B	NECJ	3793a	S0510	INRC	4611	S17	SCN	1350	S75	TSC	2663
RD35C	NECJ	3793b	S0510A	INRC	4612	S17A	SCN	1350a	S76	SCN	680h
RD1356	RHE	94g	S0510B	INRC	4613	S18	SCN	2341b	S77	SCN	677c
RD1357	RHE	305j	S0520	INRC	4614	S18A	SCN	2341c	S78	SCN	6305
RD1358	RHE	500k	S0520A	INRC	4615	S18B	SCN	2342g	S79	SCN	614c
RD1359	RHE	532q	S0520B	INRC	4616	S19	SCN	2041	S80	TSC	2723
RD2121	RHE	4207a	S1AN125	WESB	1130b	S19A	SCN	2315a	S81	SCN	951c
RD2122	RHE	4277e	S1EN200	WESB	1140b	S20	SCN	2685	S82	SCN	1365
RD2123	RHE	4299b	S2A10	SHEJ	953a	S20	TSC	1464	S83	SCN	1722f
RD2124	RHE	4323a	S2A20	SHEJ	1398a	S21	SCN	620	S84	SCN	2084l
RD2266	RHE	4128h	S2A30	SHEJ	1757b	S22	SCN	676	S85	SCN	2349d
RL31	SIHG	146	S2A40	SHEJ	2114b	S22A	SCN	652a	S86	SCN	2516a
RL32	SIHG	147	S2A50	SHEJ	2374g	S23	SCN	2508	S91	SCN	897d
RL34	SIHG	288	S2A80	SHEJ	2541f	S23A	SCN	2508a	S91	GIC	908
RL41	SIHG	58	S2A80	SHEJ	2701e	S24	SCN	2783p	S91A	SCN	951d
RL42	SIHG	1a	S2A100	SHEJ	2772d	S25	TSC	1800	S91B	SCN	897e
RL43	SIHG	358	S2AN125	WESB	1542e	S26	SCN	1722g	S91H	GIC	913a
RL44	SIHG	439	S2EN200	WESB	1548m	S27	SCN	2797a	S92	GIC	1307c

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
S92	SCN	1315c	S4006	SOIF	2239b	SD030	SSD	568b	SE2382	TEC	2910c
S92A	SCN	1365a	S5006	SOIF	2447b	SD035	SSD	582a	SE2383	TEC	2919b
S92H	GIC	1321a	S5130	SAR	2934d	SD040	SSD	591c	SE2384	TEC	2928d
S93	SCN	1665b	S5132	SAR	2903a	SD1	SOD	4787a	SE2385	TEC	2932a
S93	GIC	1675	S5343	SAR	2924c	SD5	SIHG	601	SER15	CCA	6075
S93A	SCN	1722j	S5347	SAR	2859b	SD7	SIHG	603	SER30	CCA	618k
S93H	GIC	1679a	SBA10L	FTHF	2905h	SD11F	NECJ	218c	SER50	CCA	676d
S94	GIC	2031	SC1	TEC	4469	SD12B	NECJ	73b	SER75	CCA	880d
S95	SCN	2320a	SC2	TEC	4478	SD12E	NECJ	73e	SER100	CCA	935e
S100	SCN	2070b	SC3	TEC	4490c	SD12M	NECJ	81c	SER150	CCA	1190a
S101	SCN	1350b	SC5	TEC	4500	SD13	NECJ	131a	SER200	CCA	1350d
S102	SCN	2053a	SC7	TEC	4506	SD14	NECJ	136a	SER250	CCA	1590a
S103	SCN	2031a	SC7C	SEM	4254a	SD15	NECJ	89a	SER300	CCA	1709c
S104	SCN	2052	SC7D	SEM	4254b	SD15	SIHG	606a	SER500	CCA	2341e
S105	SCN	2070c	SC11	TEC	4510	SD16	NECJ	42a	SER600	CCA	2508c
S106	SCN	2041a	SC15	TEC	4511	SD17	NECJ	182a	SERI	TER	4788
S107	SCN	23075	SC47	TEC	4511a	SD18	NECJ	353a	SEZ8.2T10	CCA	3239m
S108	SCN	2070d	SC50	TEC	4512	SD21	NECJ	350a	SEZ10T10	CCA	3242c
S180	SSD	4636d	SC68	TEC	4512a	SD21A	NECJ	895	SEZ12T10	CCA	3423p
S200	SCN	640c	SC82	TEC	4512b	SD30	SIHG	618	SEZ15T10	CCA	3520a
S201	SCN	895f	SC100	TEC	4513	SD34	NECJ	218d	SEZ18T10	CCA	3599p
S202	SCN	13085	SC101	ESP	648	SD38	NECJ	402a	SEZ22T10	CCA	3659b
S203	SCN	1664c	SCI02	ESP	908a	SD46	NECJ	161c	SEZ27T10	CCA	3748q
S204	SCN	2019d	SC103	ESP	1178b	SD50	SIHG	633	SEZ33T10	CCA	3782k
S205	SCN	2297b	SC104	ESP	1315d	SD54	NECJ	165c	SEZ39T10	CCA	3818m
S206	SCN	2469b	SC105	ESP	1584	SD56	NECJ	131b	SEZ47T10	CCA	3856k
S208	SCN	2886c	SC106	ESP	1675a	SD60	NECJ	4561a	SEZ56T10	CCA	3888e
S210	SCN	2748d	SCI07	ESP	1926c	SD80	SIHG	883	SEZ68T10	CCA	3919e
S217	SCN	1321b	SC108	ESP	2031b	SD81	INRC	940a	SEZ82T10	CCA	3951a
S218	SCN	2469c	SC109	ESP	2307d	SD91A	INRC	951e	SEZ100T10	CCA	3985r
S219	SCN	2035a	SC110	ESP	2478b	SD92	INRC	1351d	SEZ120T10	CCA	4008k
S220	SCN	8525	SC120	TEC	4513a	SD92A	INRC	1365b	SEZ150T10	CCA	4022g
S221	SCN	913b	SCI50	TEC	45135	SD93	INRC	1711a	SEZ180T10	CCA	4054
S222	SCN	1321c	SC180	TEC	4513c	SD93A	INRC	17221	SEZ200T10	CCA	4081
S223	SCN	1679b	SC200	TEC	4514	SD94	INRC	2072e	SEZ220T10	CCA	4092c
S224	SCN	2035b	SCH51	TEC	4451y	SD94A	INRC	2278	SFDI04	CSF	45615
S225	SCN	1385f	SCH51A	TEC	4452	SD95	INRC	23425	SFDI05	MISI	
S230	SCN	2294	SCH52	TEC	4458	SD95A	INRC	2349f	SFDI05	CSF	41555
S231	SCN	1757c	SCH52/A	TEC	4459	SD101	NECJ	109b	SFDI06	MISI	
S232	SCN	2279j	SCR51	GECE	616c	SD102	NECJ	178k	SFDI06	CSF	4561c
S233	SCN	2761a	SCR52	GECE	756a	SD103	NECJ	428e	SFDI07	MISI	
S234	SCN	2875a	SCR53	GECE	1048a	SD104	NECJ	5325	SFDI07	CSF	8f
S235	SCN	2070e	SCR54	GECE	1230a	SD111	NECJ	4469a	SFDI08	MISI	
S236	SCN	1398b	SCR55	GECE	1464a	SD120	SIHG	1160	SFDI08	CSF	404e
S238	SCN	2018a	SCR56	GECE	1600a	SD200	SIHG	1303	SFDI10	CSF	155a
S239	SCN	2467c	SCR57	GECE	1825a	SD256	SSD	4787b	SFDI10	MISI	
S240	SCN	8805	SCR58	GECE	2179a	SD257	SSD	4787c	SFDI11	CSF	4788
S241	SCN	611a	SCR961	GECE	616d	SD405	SSD	183a	SFDI11	MISI	
S242	SCN	2686a	SCR962	GECE	757	SD410	SSD	434d	SFDI12	CSF	48a
S243	SCN	2073d	SCR963	GECE	1049	SD415	SSD	502a	SFDI12	MISI	
S250	SCN	676c	SCR964	GECE	12305	SD420	SSD	534d	SFDI15	CSF	4788a
S251	SCN	938d	SCR965	GECE	1464b	SD425	SSD	558d	SFDI15	MISI	
S252	SCN	1350c	SCR966	GECE	1600b	SD430	SSD	577c	SFDI17	CSF	4578a
S253	SCN	1709b	SCR967	GECE	1825b	SD435	SSD	582b	SFDI17	MISI	
S254	SCN	2070f	SCR968	GECE	2179b	SD440	SSD	594e	SFDI17	CSF	1012
S255	SCN	2341d	SCZ5T20	CCA	3234e	SD1020A	INRC	4620	SFDI17	MISI	
S256	SCN	2508b	SCZ12T20	CCA	3401c	SD1020B	INRC	4621	SFDI17	CSF	1032
S257	SCN	2625n	SCZ18T20	CCA	3551c	SD21020A	INRC	4622	SFDI17	MISI	
S258	SCN	2685b	SCZ24T20	CCA	3648f	SD21020B	INRC	4623	SFDI17	CSF	700
S260	SCN	2763r	SCZ36T20	CCA	3778	SDV4166	SYL	4450f	SFDI17	MISI	
S282	AMP	14e	SCZ48T20	CCA	3835e	SE5U4GE	TEC	2857b	SFDI17	CSF	738
S320G	TEC	2951	SCZ60T20	CCA	3907p	SE6X4	TEC	2818b	SFDI17	MISI	
S506	SOIF	814a	SCZ90T20	CCA	3942q	SE19	TEC	2912c	SFDI17	CSF	743
S1006	SOIF	1111a	SCZ120T20	CCA	3996j	SE21	TEC	2905d	SFDI17	MISI	
S1010	TEC	2952	SCZ180T10	CCA	4038n	SE886A	TEC	29285	SFDI17	CSF	935f
S1020	INRC	4617	SD005	SSD	178j	SE1730	TEC	2748e	SFDI17	MISI	
S1020A	INRC	4618	SD010	SSD	428d	SE1731	TEC	2834b	SFDI17	CSF	1350e
S1020B	INRC	4619	SD015	SSD	500m	SE1732	TEC	2883a	SFDI17	MISI	
S2006	SOIF	15255	SD020	SSD	532r	SE1733	TEC	2904a	SFDI17	CSF	1705d
S3006	SOIF	1883b	SD025	SSD	557d	SE1734	TEC	2916c	SFDI17	MISI	

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SFR154	CSF	2070g	SJ801F	AEIL	2509k	SS75Z	ESP	3939f	SV171	TEC	3751
SFR155	MISI		SL101A	AEIL	1050	SS82Z	ESP	3951b	SV1004	TEC	3027
SFR155	CSF	2330a	SL201A	AEIL	1464c	SS91Z	ESP	3969a	SV1005	TEC	3072
SFR155	MISI		SL301A	AEIL	1825c	SS100Z	ESP	3985s	SV1006	TEC	3115
SFR154	CSF	2070h	SL401A	AEIL	2179c	SS110Z	ESP	4001f	SV1007	TEC	3142
SFR154	MISI		SL558	TEC	2827	SS120Z	ESP	4006m	SV1008	TEC	3171
SG22	TEC	2954	SL589	TEC	2830	SS130Z	ESP	4018f	SV1009	TEC	3216
SG211	TEC	4213	SM5A	SCN	183b	SS150Z	ESP	4032r	SV1010	TEC	3232
SG212	TEC	4284	SM10A	SCN	434e	SS160Z	ESP	4038c	SV1011	TEC	3279
SG213	TEC	4303	SM15A	SCN	5025	SS180Z	ESP	4055	SV1012	TEC	3303
SG215	TEC	4158	SM20A	SCN	534e	SS200Z	ESP	4082	SV1013	TEC	3323
SG216	TEC	4214	SM25A	SCN	558e	ST7	INRC	29235	SV1014	TEC	3354
SG217	TEC	4285	SM30A	SCN	577d	ST8	INRC	2818a	SV1015	TEC	3392
SG218	TEC	4304	SM35A	SCN	582c	ST9	INRC	2934a	SV1016	TEC	3414
SG221	TEC	4218b	SM40A	SCN	594f	ST10	INRC	2934b	SV1017	TEC	3458
SG222	TEC	4286	SM72	TEC	2953	ST10	ROSG	4117d	SV1018	TEC	3481
SG223	TEC	4306	SM51020A	INRC	4624	ST20	ROSG	4117e	SV1019	TEC	3510
SG225	TEC	4160	SM51020B	INRC	4625	ST50	ROSG	4126a	SV1020	TEC	3540
SG226	TEC	4219	SP2	TSDJ	16515	STC101	SIL	107	SV1021	TEC	3560
SG227	TEC	4287	SP100	GIC	4222k	STC102	SIL	108	SV1022	TEC	3589
SG228	TEC	4307	SP101	GIC	4155a	STC103	SIL	289	SV1023	TEC	3620
SG1891	TEC	4250d	SP102	GIC	4164b	STC104	SIL	290	SV1024	TEC	3638
SH5A	NECJ	4367n	SP103	GIC	4183b	STC105	SIL	472	SV1025	TEC	3646
S11	ROSG	4367h	SP104	GIC	4231a	STC106	SIL	473	SV1033	TEC	3694
S11-200	HAFO	1382a	SP105	GIC	4270d	STC107	SIL	515	SV1034	TEC	3715
S11-400	HAFO	2101a	SPI08	GIC	4281g	STC108	SIL	516	SV1035	TEC	3752
S11-600	HAFO	2530a	SP200	GIC	4319b	STC135	SIL	4790	SV3140	TEC	2957
S15	ROSG	4561d	SPR5-01	INRC	4584e	STC235	SIL	4791	SV3140A	TEC	2957
S110	ROSG	4561e	SPR6-01	INRC	4584f	STZ1.5T10	CCA	2957c	SV3141	TEC	2958
S101F	AEG	1295	SPR8-01	INRC	4584g	STZ1.8T10	CCA	2959d	SV3141A	TEC	2959
S101K	AEG	2015	SPR9-01	INRC	4584h	STZ2.2T10	CCA	2961d	SV3142	TEC	2960
S103F	AEG	1296	SR5	ARC	677	STZ2.7T10	CCA	2967d	SV3142A	TEC	2961
S103K	AEG	2016	SR10	ARC	940	STZ3.3T10	CCA	2973d	SV3143	TEC	2965
S111F	AEG	1296b	SR15	ARC	1191	STZ3.9T10	CCA	2985e	SV3143A	TEC	2966
S111K	AEG	2016a	SR20	ARC	1351	STZ4.7T10	CCA	3022e	SV3144	TEC	2968
S121F	AEG	1297a	SR25	ARC	1591	STZ5.6T10	CCA	3086e	SV3144A	TEC	2969
S121K	AEG	2016b	SR30	ARC	1710	STZ6.8T10	CCA	3186m	SV3145	TEC	2970
S141F	AEG	1297c	SR40	ARC	2071	STZ8.2T10	CCA	3239n	SV3145A	TEC	2972
S141K	AEG	2016c	SR50	ARC	2342	STZ10T10	CCA	3342e	SV3170	TEC	3218
S151F	AEG	1297e	SR60	ARC	2509	STZ12T10	CCA	3441f	SV3171	TEC	3219
S191K	AEG	2016d	SR200	SYL	1711	STZ15T10	CCA	3520b	SV3173	TEC	3293h
SIM2	GECB	4393	SR500	SYL	2072	STZ18T10	CCA	3599f	SV3174	TEC	3294
SIM3	GECB	4394	SR2201A	AEIL	2074a	STZ22T10	CCA	3659d	SV3175	TEC	3295
SIM5	GECB	4395	SR2301A	AEIL	2509m	STZ27T10	CCA	3748s	SV3176	TEC	3295a
SIM6	GECB	4396	SR4201A	AEIL	2685e	STZ33T10	CCA	3782n	SV3206	TEC	3566
SIM8	GECB	4407	SR4301A	AEIL	2801d	STZ39T10	CCA	3818p	SV3207	TEC	3567
SIM9	GECB	4408	SR4401A	AEIL	2860g	STZ47T10	CCA	3856n	SV4010	TEC	3402
SJ051A	AEIL	705a	SR4501A	AEIL	2888c	SV121	TEC	3026	SV4010A	TEC	3403
SJ051F	AEIL	877d	SS9.1Z	ESP	3308a	SV122	TEC	3071	SV4012	TEC	3471
SJ052A	AEIL	714	SS10Z	ESP	3342d	SV123	TEC	3114	SV4012A	TEC	3474
SJ052F	AEIL	697	SS11Z	ESP	3406g	SV124	TEC	3141	SV4015	TEC	3553
SJ101A	AEIL	984	SS12Z	ESP	3423q	SV125	TEC	3170	SV4015A	TEC	3554
SJ101F	AEIL	942	SS13Z	ESP	3470a	SV126	TEC	3215	SV4018	TEC	3625
SJ102A	AEIL	995	SS15Z	ESP	35205	SV127	TEC	3231	SV4018A	TEC	3628
SJ102F	AEIL	970	SS16Z	ESP	3548g	SV128	TEC	3278	SV4022	TEC	3700
SJ201A	AEIL	1399	SS18Z	ESP	3599q	SV129	TEC	3302	SV4022A	TEC	3709
SJ201F	AEIL	1354a	SS20Z	ESP	3634b	SV131	TEC	3322	SV4027	TEC	3765
SJ202A	AEIL	1410	SS22Z	ESP	3659c	SV132	TEC	3353	SV4027A	TEC	3766
SJ202F	AEIL	1383	SS24Z	ESP	3706d	SV133	TEC	3391	SV4033	TEC	3800
SJ301A	AEIL	1758	SS27Z	ESP	3748r	SV134	TEC	3413	SV4033A	TEC	3807
SJ301F	AEIL	1714	SS30Z	ESP	3772e	SV135	TEC	3457	SV4039	TEC	3835
SJ302A	AEIL	1770	SS33Z	ESP	3782m	SV136	TEC	3480	SV4039A	TEC	3836
SJ302F	AEIL	1742	SS36Z	ESP	3806a	SV137	TEC	3509	SV4047	TEC	3875
SJ401A	AEIL	2117	SS39Z	ESP	3818n	SV138	TEC	3539	SV4047A	TEC	3876
SJ401F	AEIL	2074	SS43Z	ESP	3841e	SV139	TEC	3559	SV4056	TEC	3900
SJ402A	AEIL	2127a	SS47Z	ESP	3856m	SV141	TEC	3588	SV4056A	TEC	3901
SJ402F	AEIL	2101b	SS51Z	ESP	3874b	SV142	TEC	3619	SV4056B	TEC	3933
SJ501A	AEIL	2374h	SS56Z	ESP	3888f	SV143	TEC	3637	SV4068A	TEC	3934
SJ501F	AEIL	2342m	SS62Z	ESP	3908e	SV144	TEC	3645	SV4075	TEC	3945
SJ601A	AEIL	2541g	SS68Z	ESP	3919f	SV168	TEC	3693	SV4075A	TEC	3952
						SV169	TEC	3714			

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SV4082	TEC	3968	SZ15C	GEGB	3506e	T27G	TEC	24	TCR3001	TEC	1742a
SV4082A	TEC	3972	SZ16	SIHG	3564	T30	TSC	1853	TCR3003	TEC	1802
SV4091	TEC	3979	SZ17	SIHG	3600	T35	TSC	1948	TCR3005	TEC	1742b
SV4091A	TEC	3988	SZ18	SIHG	3622	T40	TSC	2205	TCR3010	TEC	1827
SV4100	TEC	3997	SZ18B	GEGB	3599t	T45	TSC	2284	TCR3020	TEC	1853a
SV4100A	TEC	3998	SZ18C	GEGB	3599u	T50	TSC	2432	TCR3050	TEC	1883c
SV7000	TEC	2978b	SZ19	SIHG	3639	T55	TSC	2465	TCR3503	TEC	1936a
SV7200	TEC	4043	SZ20	SIHG	3650	T60	TSC	2593	TCR3505	TEC	1933c
SVC1	GEGB	4466r	SZ22B	GEGB	3650e	T65	TSC	2619	TCR3510	TEC	1940b
SVC2	GEGB	4466s	SZ22C	GEGB	3650f	T70	TSC	2648	TCR3520	TEC	1948a
SVC3	GEGB	4466t	SZ27B	GEGB	3739b	T75	TSC	2664	TCR4001	TEC	2101c
SVC11	GEGB	4462v	SZ27C	GEGB	3739c	T80	TSC	2728	TCR4003	TEC	2159
SVC12	GEGB	4462a	SZ33B	GEGB	3776h	TI01	SSD	4703	TCR4005	TEC	2101d
SVC13	GEGB	4461m	SZ33C	GEGB	3776j	TI02	SSD	4704	TCR4010	TEC	2182
SVC14	GEGB	4459a	SZ39B	GEGB	3818q	TI03	SSD	4705	TCR4020	TEC	2205a
SVC15	GEGB	4457m	SZ47B	GEGB	3856p	TI04	SSD	4706	TCR4050	TEC	2239c
SVC16	GEGB	4462b	SZ56A	GEGB	3079a	TI05	SSD	4707	TCS5	TEC	640d
SVC17	GEGB	4460a	SZ68A	GEGB	3165a	TI025	PHIL	4708	TCS10	TEC	895g
SVC21	GEGB	4462w	SZ82A	GEGB	3246b	T1975	PHIL	4708a	TD1	GIC	4709
SVC22	GEGB	4462c	SZL6	SIHG	3131a	T1976	PHIL	4708b	TD2	GIC	4710
SW10	TEC	618e	SZL7	SIHG	3211a	TA11	OHI	4793	TD3	GIC	4711
SW11	TEC	618f	SZL8	SIHG	3248	TA20	OHI	4794	TD4	GIC	4712
SW30	TEC	618a	SZL9	SIHG	3318e	TA1060	RCAS	806	TD5	GIC	4712a
SX10	GEGB	4644a	SZL10	SIHG	3394a	TA1061	RCAS	618c	TD5A	GIC	4712b
SX11	GEGB	248	SZTI	GEGB	3079c	TA1062	RCAS	854c	TD6	GIC	4712c
SX12	GEGB	443a	SZT2	GEGB	3118a	TA1063	RCAS	887	TD6A	GIC	4712d
SX13	GEGB	5205	T1	SOIF	1543a	TA1064	RCAS	1160a	TD7	GIC	4712e
SX47	GEGB	3053a	T1G	TEC	136	TC710	NAE	3219a	TD7A	GIC	4712f
SX51	GEGB	3077	T2	SOIF	2260	TC710A	NAE	3219b	TD8	GIC	4712g
SX56	GEGB	3118	T2G	TEC	236	TC810	NAE	3295b	TD8A	GIC	4712h
SX62	GEGB	3156e	T3	SOIF	2612	TC810A	NAE	3295c	TD12	TEC	4712i
SX68	GEGB	3210	T3G	TEC	232	TC810B	NAE	3295d	TD15	TEC	4712j
SX75	GEGB	3234	T4G	TEC	405	TC810C	NAE	3295e	TD22	TEC	4712k
SX82	GEGB	3287	T5	TSC	781	TC1510	NAE	3567a	TD25	TEC	4712m
SX561	GEGB	3079b	T5G	TEC	419	TC1510A	NAE	3567b	TD52	TEC	4712n
SX631	GEGB	952	T7	TEC	258	TCR52	TEC	758	TD55	TEC	4712p
SX632	GEGB	1592a	T8G	TEC	249	TCR102	TEC	1053	TD100	RCAS	4713
SX633	GEGB	1723	T9	TEC	250	TCR152	TEC	1231	TD101	RCAS	4714
SX634	GEGB	2085	T9G	TEC	251	TCR202	TEC	1465	TD102	RCAS	4715
SX635	GEGB	2350	TI0	TSC	1077	TCR251	TEC	614j	TD102	TEC	4715a
SX636	GEGB	2517	TI1	TEC	95	TCR252	TEC	1601	TD103	RCAS	4716
SX637	GEGB	2626	TI2	TEC	233	TCR302	TEC	1826	TD104	RCAS	4717
SX638	GEGB	2686	TI2G	TEC	234	TCR352	TEC	1940a	TD105	RCAS	4718
SX640	GEGB	4645	TI3	TEC	34	TCR402	TEC	2180	TD105	TEC	4718a
SX641	GEGB	248a	TI3G	TEC	35	TCR501	TEC	697a	TD106	RCAS	4719
SX642	GEGB	444	TI4	TEC	36	TCR503	TEC	737	TD107	RCAS	4720
SX643	GEGB	521	TI4G	TEC	37	TCR505	TEC	697b	TD108	RCAS	4721
SX645	GEGB	592	TI5	TEC	4255	TCR510	TEC	759	TD109	RCAS	4722
SX751	GEGB	1034	TI5G	TSC	1249	TCR520	TEC	781a	TD110	RCAS	4723
SX752	GEGB	1450	TI6	TEC	4256	TCR550	TEC	812a	TD110	TEC	4723a
SX753	GEGB	1810	TI6G	TEC	4202a	TCR1001	TEC	970a	TD111	RCAS	4724
SX754	GEGB	2166	TI7	TEC	406	TCR1003	TEC	1026	TD202	TEC	4724a
SX761	GEGB	4792	TI8	TEC	169	TCR1005	TEC	970b	TD205	TEC	4724b
SX780	GEGB	4141b	TI9	TEC	259	TCR1010	TEC	1051	TD210	TEC	4724c
SX781	GEGB	4198	TI9G	TEC	260	TCR1020	TEC	1077a	TD502	TEC	4724d
SX782	GEGB	4277	TI20	TSC	1452	TCR1050	TEC	1109b	TD505	TEC	4724e
SZ6	SIHG	3131	T20	TEC	170	TCR1503	TEC	1221	TD510	TEC	4724f
SZ7	SIHG	3211	T20G	TEC	171	TCR1505	TEC	1201a	TD1010	TEC	4724g
SZ8	SIHG	3247c	T21	TEC	64	TCR1510	TEC	1232	TD2010	TEC	4724h
SZ9	SIHG	3318d	T21G	TEC	65	TCR1520	TEC	1249a	TD5010	TEC	4724j
SZ10	SIHG	3394	T22	TEC	22	TCR2001	TEC	1353a	TH083	TSDJ	1301g
SZ10C	GEGB	3342f	T22G	TEC	23	TCR2003	TEC	1443	TH084	TSDJ	1596f
SZ11	SIHG	3416	T23	TEC	172	TCR2005	TEC	1383b	TH085	TSDJ	1919d
SZ12	SIHG	3464	T23G	TEC	173	TCR2010	TEC	1466	TH086	TSDJ	2017a
SZ12C	GEGB	3423t	T24	TEC	109	TCR2020	TEC	1492a	TH087	TSDJ	2279m
SZ13	SIHG	3484a	T24G	TEC	85	TCR2050	TEC	1522c	TH088	TSDJ	2411a
SZ14	SIHG	3512	T25	TEC	44	TCR2503	TEC	1596a	TH152B	TEC	1270
SZ15	SIHG	3552	T25G	TEC	44	TCR2505	TEC	1593	TH152B/A	TEC	1270a
SZ15B	GEGB	3506d	T26	TSC	1610	TCR2510	TEC	1601a	TH152B/B	TEC	1270b
			T26G	TEC	38	TCR2520	TEC	1610a	TH152B/C	TEC	1270c

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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
TH203	TSDJ	1301h	TM9	TEC	762m	TP55	SING	4586	US123CA	ITT	1237d
TH204	TSDJ	1603c	TM11	TEC	971		NPC		US128DA	ITT	1473c
TH205	TSDJ	1919e	TM12	TEC	928	TP55	SING	4586	US123EA	ITT	1602
TH206	TSDJ	2017b	TM13	TEC	909		NPC		US123FA	ITT	1836a
TH207	TSDJ	2279n	TM19	TEC	1058	TR2	HITJ	2584a	US123GA	ITT	1941
TH208	TSDJ	2426h	TM22	TEC	1338	TR3	HITJ	2977a	US123HA	ITT	2189c
TH252B	TEC	1628a	TM23	TEC	1317	TR4	HITJ	3010a	US123KA	ITT	2426c
TH252B/A	TEC	1628b	TM29	TEC	1473b	TR5	HITJ	3052c	US123MA	ITT	2587c
TH252B/B	TEC	1628c	TM31	TEC	1743	TR6	HITJ	3448a	US123PA	ITT	26451
TH252B/C	TEC	1884a	TM32	TEC	1657	TR7	HITJ	3196d	US123RA	ITT	2724h
TH302B	TEC	1884b	TM33	TEC	1676	TR9	HITJ	3274d	UT234	UNI	13515
TH302B/A	TEC	1884c	TM39	TEC	1836	TR11	HITJ	3350d	UT235	UNI	2072b
TH302B/B	TEC	1957	TM41	TEC	2102	TR13	HITJ	3448a	UT237	UNI	2342a
TH302B/C	TEC	1967a	TM42	TEC	2053	TR16	HITJ	3528a	UT238	UNI	2509b
TH352B	TEC	1967b	TM43	TEC	2032	TR19	HITJ	3614d	UT242	UNI	1365d
TH352B/A	TEC	2240	TM49	TEC	2189b	TR24	HITJ	3685c	UT244	UNI	20855
TH352B/B	TEC	2240a	TM51	TEC	2364	TR29	HITJ	3756d	UT245	UNI	2350b
TH352B/C	TEC	2240b	TM52	TEC	2331	TR30	TEC	624	UT247	UNI	2917b
TH402B	TEC	2240c	TM53	TEC	2309	TR35	HITJ	3793c	UT252	UNI	1385
TH402B/A	TEC	2401k	TM55	TEC	2332	TR50	TEC	782	UT254	UNI	2102a
TH402B/B	TEC	1635a	TM56	TEC	2310	TR53	TEC	806	UT255	UNI	2584a
TH402B/C	TEC	1919f	TM59	TEC	2426b	TR100	TEC	1078	UT257	UNI	2532
TH803	TSDJ	2018	TM61	TEC	2531	TR103	TEC	1103	UT262	UNI	1409a
TH804	TSDJ	2279p	TM62	TEC	2500	TR150	TEC	1250	UT264	UNI	2127
TH805	TSDJ	2451a	TM63	TEC	2480	TR152	TEC	1251	UT265	UNI	2382a
TH806	TSDJ	178m	TM65	TEC	2501	TR153	TEC	1267	UT267	UNI	2548a
TH807	TSDJ	29b	TM66	TEC	2481	TR200	TEC	1493	U-Z	SOD	11c
THP71	FTHF	616e	TM69	TEC	2587b	TR203	TEC	1516	V7	PSI	4467a
THP119	FTHF	759a	TM84	TEC	2697	TR252	TEC	1611	V7E	PSI	4468b
THP800	FTHF	1053a	TM85	TEC	2681	TR253	TEC	1625	V10	PSI	4470
THP801	FTHF	1233	TM86	TEC	2673	TR302	TEC	1854	V10E	PSI	4471
THP802	FTHF	1467	TM104	TEC	2772	TR303	TEC	1878	V12	PSI	4474
THP803	FTHF	1601b	TM105	TEC	2761b	TR352	TEC	1949	V12E	PSI	4475
THP804	FTHF	4482f	TM106	TEC	2755	TR353	TEC	1964	V15	PSI	4476
THP805	FTHF	4484d	TM124	TEC	2807	TR402	TEC	2206	V15E	PSI	4478a
THP911	FTHF	4490d	TM125	TEC	2800	TR403	TEC	2234	V20	PSI	4479
THP912	FTHF	4493a	TM126	TEC	2797	TR501	TEC	2419	V20E	PSI	4480
THP913	FTHF	4493c	TM155	TEC	2846	TR502	TEC	2433	V27	PSI	4483
THP914	FTHF	4724k	TM156	TEC	2838	TR503	TEC	2443d	V27E	PSI	4484
THP915	FTHF	4724m	TMD00	TEC	3022f	TR601	TEC	2582	V33	PSI	4487
THP921	FTHF	697c	TMD01	TEC	3065a	TR602	TEC	2594	V33E	PSI	4488
TI010	TII	697d	TMD02	TEC	3161n	TR603	TEC	2605d	V39	PSI	4492
TI025	TII	697e	TMD03	TEC	3133b	TRR6	HITJ	3157	V39E	PSI	4493
TI050	TII	4163c	TMD04	TEC	3165c	TRR7	HITJ	3158e	V47	PSI	4494
TI116	TII	4127f	TMD05	TEC	3223a	TRR9	HITJ	3296	V47E	PSI	4495
TI117	TII	1384	TMD06	TEC	3239p	TSW31A	TEC	618d	V56	PSI	4501
TI118	TII	1742c	TMD07	TEC	3305b	TSW31S	TEC	618g	V56E	PSI	4502
TI118	TII	2101e	TMD08	TEC	3342g	TSW61A	TEC	854d	V68	PSI	4503
TI136	TII	1384	TMD09	TEC	3406h	TSW61S	TEC	855a	V82	PSI	4507
TI137	TII	1742c	TMD10	TEC	3423r	TSW101A	TEC	895h	V100	PSI	4509
TI138	TII	2101e	TMD12	TEC	3470b	TSW101S	TEC	909a	VA713A	EEVB	1297
TJ50A	TEC	2308	TMD13	TEC	3488d	TSW201A	TEC	1306c	VA713B	EEVB	1162
TJ60A	TEC	2479	TMD14	TEC	3520c	TSW201S	TEC	1317a	VA713C	EEVB	1161
TK5	TEC	680j	TMD15	TEC	3548h	U5	TSC	832	VA713D	EEVB	1058b
TK10	TEC	952a	TMD16	TEC	3599s	U10	TSC	1129	VA713E	EEVB	885a
TK20	TEC	1365c	TMD17	TEC	3621a	U15	TSC	1279	VA713F	EEVB	857a
TK21	TEC	1361a	TMD18	TEC	3634c	U20	TSC	1542	VA713G	EEVB	630c
TK30	TEC	1723a	TMD19	TEC	3659e	U25	TSC	1636	VA713H	EEVB	12575
TK40	TEC	2085a	TMD20	TEC	2954a	U30	TSC	1905	VA719A	EEVB	1162a
TK41	TEC	2072a	TMD24	TEC	4174b	U35	TSC	1975	VA719B	EEVB	1161a
TK50	TEC	2350a	TMD25	TEC	4266a	U40	TSC	2259	VA719C	EEVB	1079
TK60	TEC	2517a	TMD27	TEC	43165	UCI325	UCI	295d	VA719D	EEVB	885b
TK61	TEC	2509a	TMD40	TEC	2952e	UCI326	UCI	419a	VA719E	EEVB	8575
TM1	TEC	698	TMD41	TEC	178n	UCI327	UCI	532e	VA719G	EEVB	630d
TM2	TEC	665	TMD42	TEC	428f	UCI328	UCI	4131a	VD11	NECJ	8c
TM3	TEC	649	TMD45	TEC	532t	UCI329	UCI	191d	VD12	NECJ	8d
TM5	TEC	666	TMD50	TEC	4168c	UCI331	UCI	59	VD13	NECJ	8e
			TP5	NPC	4584j	UCI332	UCI	422b	VR6	SAR	3072j
			TP50	NPC	4585	US123AA	ITT	762n	VR7A	AEIL	3201a
				SING		US123BA	ITT	1058a	VR7B	AEIL	3202



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TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
VR8A	AEIL	3242a	WD015	WSI	558c	XS17A	SCN	1365f	ZB12A	ITT	3460
VR8B	AEIL	3243	WR100	WSI	1151	XS18	SCN	2350c	ZB13	ITT	3470d
VR8.5	SAR	3223h	WR200	WSI	1558a	XS22	SCN	680k	ZB13A	ITT	3481a
VR9A	AEIL	3316a	WR300	WSI	1919b	XS23	SCN	2517c	ZB15	ITT	3502
VR9B	AEIL	3317	WR400	WSI	2278a	XS23A	SCN	2517d	ZB15A	ITT	3541
VR10	SAR	3299b	WS100	WSI	4163d	XS31	SCN	1723b	ZB16	ITT	3548k
VR10A	AEIL	3384a	WS200	WSI	4164c	XS40A	SCN	699a	ZB16A	ITT	3560a
VR10B	AEIL	3385	WS900	WSI	4270e	XU604	AEIE	2072c	ZB18	ITT	3581
VR11A	AEIL	3408a	WX809A	WESY	859	YS10	FERB	4762e	ZB18A	ITT	3620a
VR11B	AEIL	3408b	WX809B	WESY	1161b	Z2A33F	STCB	2978	ZB20	ITT	3634d
VR12	SAR	3401d	WX809C	WESY	1301j	Z2A36F	STCB	2982	ZB20A	ITT	3646a
VR12A	AEIL	3459	WX809D	WESY	1579d	Z2A39F	STCB	3005	ZB22	ITT	3659f
VR12B	AEIL	3459a	WX809E	WESY	1884d	Z2A43F	STCB	3017	ZB22A	ITT	3694a
VR14	SAR	3451a	WX809F	WESY	1992	Z2A47F	STCB	3058	ZB24	ITT	3706e
VR18	SAR	3551d	WX822A	WESY	4725	Z2A51F	STCB	3076	ZB24A	ITT	3715a
VR20	SAR	3586e	WX822B	WESY	4726	Z2A56F	STCB	3123	ZB27	ITT	3748f
VR24	SAR	3648g	X1RC2	INRC	612	Z2A62F	STCB	3147	ZB27A	ITT	3757a
VR28	SAR	3709f	X1RC3	INRC	620c	Z2A68F	STCB	3203	ZB30	ITT	3772f
VR33	SAR	3764a	X1RC5	INRC	699	Z2A75F	STCB	3227	ZB30A	ITT	3776a
VR35A	AEIL	2970b	X1RC7	INRC	876b	Z2A82F	STCB	3286	ZB33	ITT	3782p
VR35B	AEIL	2971	X1RC10	INRC	971a	Z2A91F	STCB	3325	ZB33A	ITT	3798a
VR39	SAR	3795t	X1RC15	INRC	1201b	Z2A100F	STCB	3395	ZB35	ITT	3805a
VR47	SAR	3833	X1RC20	INRC	1385a	Z2A110F	STCB	3407	ZB36A	ITT	3807m
VR56	SAR	3867b	X5A2	INRC	1352d	Z2A120F	STCB	3452	ZB39	ITT	3818r
VR67	SAR	3897a	X5A4	INRC	2073e	Z2A130F	STCB	3483	ZB39A	ITT	3831a
VR80	SAR	3927j	X5A5	INRC	2342h	Z2A150F	STCB	3531b	ZB43	ITT	3841f
VR90	SAR	3942r	X5A6	INRC	2509g	Z4X5.1B	GESY	3065b	ZB43A	ITT	3846a
VR105	SAR	3973e	X5M2	INRC	1355	Z4X5.6B	GESY	3084	ZB47	ITT	3856q
VR425A	AEIL	3015a	X5M4	INRC	2073f	Z4X6.2B	GESY	3137a	ZB47A	ITT	3865a
VR425B	AEIL	3015b	X5M5	INRC	2342j	Z4X6.8B	GESY	3165b	ZB51	ITT	3874c
VR475A	AEIL	3054b	X5M6	INRC	2509h	Z4X7.5B	GESY	3223g	ZB51A	ITT	3879a
VR475B	AEIL	3055	X10B1	INRC	571f	Z4X8.2B	GESY	3246a	ZB56	ITT	3888g
VR525AA	AEIL	3077a	X10B2	INRC	1385g	Z4X9.1B	GESY	3308b	ZB56A	ITT	3896d
VR525AB	AEIL	3078	X10B3	INRC	1744b	Z4X10B	GESY	3342h	ZB62	ITT	3906f
VR525BA	AEIL	3078a	X10B4	INRC	2103a	Z4X11B	GESY	3403a	ZB62A	ITT	3909f
VR525BB	AEIL	3079	X10B5	INRC	2365	Z4X12B	GESY	3423e	ZB68	ITT	3919g
VR575AA	AEIL	3125c	X10B8	INRC	2532c	Z4X13B	GESY	3460c	ZB68A	ITT	3930c
VR675AB	AEIL	3126	X10RC2	INRC	613	Z4X14B	GESY	3486e	ZB75	ITT	3940a
VR675BA	AEIL	3126a	X10RC3	INRC	622a	Z4X15B	GESY	3520d	ZB75A	ITT	3942a
VR675BB	AEIL	3127	X10RC5	INRC	760	Z4X16B	GESY	3548j	ZB82	ITT	3951c
VR625A	AEIL	3158a	X10RC7	INRC	876m	Z5	INTG	3081a	ZB82A	ITT	3962a
VR625B	AEIL	3159	X10RC10	INRC	1054	Z6	INTG	3160b	ZB91	ITT	3970
W5	TSC	847	X10RC15	INRC	1236	Z7	INTG	3225a	ZB91A	ITT	3975a
W10	TSC	1145	X10RC20	INRC	1470	Z8	INTG	3296b	ZB100	ITT	3985t
W15	TSC	1287	X16RC2	INRC	614	Z10	INTG	3342j	ZB100A	ITT	3994e
W20	TSC	1553	X16RC3	INRC	622c	Z12	INTG	3423u	ZC10A	FERB	4485
W25	TSC	1644	X16RC5	INRC	766c	Z15	INTG	3511	ZC10B	FERB	4486
W30	TSC	1916	X16RC7	INRC	876q	Z18	INTG	3599v	ZG3.9	ITT	2997
W35	TSC	1983	X16RC10	INRC	1062b	Z22	INTG	3650d	ZG3.9A	ITT	3002
W40	TSC	2274	X16RC15	INRC	1241c	ZB3.9	ITT	2996	ZG4.7	ITT	3039
WA100	WSI	4164e	X16RC20	INRC	1477c	ZB3.9A	ITT	3001	ZG4.7A	ITT	3061
WA200	WSI	4274c	XA650	TII	4726a	ZB4.7	ITT	3038	ZG5.6	ITT	3097
WA300	WSI	4296a	XA651	TII	4726b	ZB4.7A	ITT	3060	ZG5.6A	ITT	3120
WA400	WSI	4322b	XA652	TII	4726c	ZB5.6	ITT	3096	ZG6.2	ITT	3137c
WA500	WSI	4323c	XA653	TII	4726d	ZB5.6A	ITT	3119	ZG6.2A	ITT	3157b
WA600	WSI	4326b	XB8C	TIIB	1424	ZB6.2	ITT	3137b	ZG6.8	ITT	3183
WD001	WSI	141d	XB8E	TIIB	2142	ZB6.2A	ITT	3157a	ZG6.8A	ITT	3207
WD002	WSI	141e	XD500	TII	4461t	ZB6.8	ITT	3182	ZG7.5	ITT	3222b
WD003	WSI	141f	XD501	TII	4461u	ZB6.8A	ITT	3206	ZG7.5A	ITT	3227b
WD004	WSI	353b	XD502	TII	4461v	ZB7.5	ITT	3222a	ZG8.2	ITT	3263
WD005	WSI	353c	XD503	TII	4461w	ZB7.5A	ITT	3227a	ZG8.2A	ITT	3283
WD006	WSI	353d	XMRA2	ITC	3319a	ZB8.2	ITT	3262	ZG9.1	ITT	3308d
WD007	WSI	501b	XMRA3	ITC	3399	ZB8.2A	ITT	3282	ZG9.1A	ITT	3326c
WD008	WSI	501c	XMRA4	ITC	3416a	ZB9.1	ITT	3308c	ZG10	ITT	3370
WD009	WSI	501d	XMRA4A	ITC	3416b	ZB9.1A	ITT	3326b	ZG10A	ITT	3397
WD010	WSI	533b	XS10	SCN	952b	ZB10	ITT	3369	ZG11	ITT	3406j
WD011	WSI	533c	XS12	SCN	2798a	ZB10A	ITT	3396	ZG11A	ITT	3415a
WD012	WSI	533d	XS16	SCN	2085c	ZB11	ITT	3406i	ZG12	ITT	3438
WD013	WSI	558a	XS16A	SCN	2085d	ZB11A	ITT	3415	ZG12A	ITT	3461
WD014	WSI	558b	XS17	SCN	1365e	ZB12	ITT	3437	ZG13	ITT	3470e

## 9. TYPE No. CROSS INDEX



TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.	TYPE No.	MFRS.	LINE No.
ZG13A	ITT	3481b	ZK12	ITT	3439	ZR21	FERB	1035	ZT7.5	ITT	3222d
ZG15	ITT	3503	ZK12A	ITT	3462	ZR22	FERB	1451	ZT7.5A	ITT	3227d
ZG15A	ITT	3541a	ZK13	ITT	3470f	ZR23	FERB	1811	ZT8.2	ITT	3265
ZG16	ITT	3548I	ZK13A	ITT	3481c	ZR24	FERB	2167	ZT8.2A	ITT	3285
ZG16A	ITT	3560b	ZK15	ITT	3504	ZR30	FERB	795	ZT9.1	ITT	3308f
ZG18	ITT	3582	ZK15A	ITT	3541b	ZR30C	FERB	815	ZT9.1A	ITT	3326e
ZG18A	ITT	3620b	ZK16	ITT	3548m	ZR30F	FERB	816	ZT10	ITT	3372e
ZG20	ITT	3634e	ZK16A	ITT	3560c	ZR31	FERB	1052	ZT10A	ITT	3398a
ZG20A	ITT	3646b	ZK18	ITT	3583	ZR31C	FERB	1112	ZT11	ITT	3406l
ZG22	ITT	3659g	ZK18A	ITT	3620c	ZR31F	FERB	1113	ZT11A	ITT	3415c
ZG22A	ITT	3694b	ZK20	ITT	3634f	ZR32	FERB	1506b	ZT12	ITT	3440
ZG24	ITT	3708f	ZK20A	ITT	3646c	ZR32C	FERB	1525	ZT12A	ITT	3463
ZG24A	ITT	3715b	ZK22	ITT	3659h	ZR32F	FERB	1526	ZT13	ITT	3470g
ZG27	ITT	3748u	ZK22A	ITT	3694c	ZR33	FERB	1866b	ZT13A	ITT	3481d
ZG27A	ITT	3757b	ZK24	ITT	3708g	ZR33C	FERB	1888	ZT15	ITT	3505
ZG30	ITT	3772g	ZK24A	ITT	3715c	ZR33F	FERB	1885	ZT15A	ITT	3541c
ZG30A	ITT	3776b	ZK27	ITT	3748v	ZR34	FERB	2220	ZT16	ITT	3548n
ZG33	ITT	3782q	ZK27A	ITT	3757c	ZR34C	FERB	2242	ZT16A	ITT	3560d
ZG33A	ITT	3798b	ZK30	ITT	3772h	ZR34F	FERB	2243	ZT18	ITT	3584
ZG38	ITT	3805b	ZK30A	ITT	3776c	ZR35	FERB	2439a	ZT18A	ITT	3260d
ZG38A	ITT	3807n	ZK33	ITT	3782r	ZR40	FERB	832a	ZT20	ITT	3634g
ZG39	ITT	3818s	ZK33A	ITT	3798c	ZR41	FERB	1129a	ZT20A	ITT	3646d
ZG39A	ITT	3831b	ZK36	ITT	3805c	ZR42	FERB	1542a	ZT22	ITT	3659j
ZG43	ITT	3841g	ZK36A	ITT	3807p	ZR43	FERB	1905a	ZT22A	ITT	3659k
ZG43A	ITT	3846b	ZK39	ITT	3818t	ZR44	FERB	2259a	ZT24	ITT	3706h
ZG47	ITT	3856r	ZK39A	ITT	3831c	ZR50	FERB	782a	ZT24A	ITT	3715d
ZG47A	ITT	3865b	ZK43	ITT	3841h	ZR51	FERB	1079a	ZT27	ITT	3748w
ZG51	ITT	3874d	ZK43A	ITT	3846c	ZR52	FERB	1493a	ZT27A	ITT	3757d
ZG51A	ITT	3879b	ZK47	ITT	3856s	ZR53	FERB	1854a	ZT30	ITT	3772i
ZG55	ITT	3888h	ZK47A	ITT	3865c	ZR54	FERB	2206a	ZT30A	ITT	3776d
ZG56A	ITT	3896e	ZK51	ITT	3874e	ZR55	FERB	2433a	ZT33	ITT	3782s
ZG62	ITT	3906g	ZK51A	ITT	3879c	ZS7	FERB	95a	ZT33A	ITT	3798d
ZG62A	ITT	3909c	ZK56	ITT	3888j	ZS8	FERB	95b	ZT36	ITT	3805d
ZG68	ITT	3919h	ZK56A	ITT	3896f	ZS10A	FERB	252	ZT36A	ITT	3807c
ZG68A	ITT	3930d	ZK62	ITT	3906h	ZS10B	FERB	253	ZT39	ITT	3818a
ZG75	ITT	3940b	ZK62A	ITT	3909d	ZS20A	FERB	445	ZT39A	ITT	3831d
ZG75A	ITT	3942b	ZK68	ITT	3919j	ZS20B	FERB	446	ZT43	ITT	3841j
ZG82	ITT	3951d	ZK68A	ITT	3930e	ZS21	FERB	532u	ZT43A	ITT	3846d
ZG82A	ITT	3962b	ZK75	ITT	3940c	ZS22	FERB	570	ZT47	ITT	3856t
ZG91	ITT	3971	ZK75A	ITT	3942c	ZS24	FERB	593	ZT47A	ITT	3865d
ZG91A	ITT	3975b	ZK82	ITT	3951e	ZS25	FERB	596	ZT51	ITT	3874f
ZG100	ITT	3985u	ZK82A	ITT	3952c	ZS30A	FERB	184	ZT51A	ITT	3879d
ZG100A	ITT	3994f	ZK91	ITT	3971a	ZS30B	FERB	185	ZT56	ITT	3888k
ZJ203A	GESY	571b	ZK91A	ITT	3975c	ZS31A	FERB	435	ZT56A	ITT	3896g
ZJ203B	GESY	1385b	ZK100	ITT	3985v	ZS31B	FERB	436	ZT62	ITT	3906j
ZJ203C	GESY	1744	ZK100A	ITT	3994g	ZS32A	FERB	535	ZT62A	ITT	3909e
ZJ203F	GESY	699b	ZL5	INTG	3081b	ZS32B	FERB	536	ZT68	ITT	3919k
ZJ203G	GESY	1201c	ZL6	INTG	3160c	ZS33A	FERB	577e	ZT68A	ITT	3930f
ZJ203H	GESY	1593a	ZL7	INTG	3225b	ZS33B	FERB	577f	ZT75	ITT	3940d
ZJ203U	GESY	614k	ZL8	INTG	3296c	ZS34A	FERB	594g	ZT75A	ITT	3942d
ZK3.9	ITT	2998	ZL10	INTG	3326j	ZS34B	FERB	594h	ZT82	ITT	3951f
ZK3.9A	ITT	3003	ZL12	INTG	3441g	ZS40	FERB	4141c	ZT82A	ITT	3962d
ZK4.7	ITT	3040	ZL15	INTG	3520e	ZS41	FERB	4172p	ZT91	ITT	3971b
ZK4.7A	ITT	3062	ZL18	INTG	3599w	ZS42	FERB	4264e	ZT91A	ITT	3975d
ZK5.6	ITT	3098	ZL22	INTG	3673	ZS50	FERB	261	ZT100	ITT	3985w
ZK5.6A	ITT	3121	ZL27	INTG	3733	ZS51	FERB	448	ZT100A	ITT	3994h
ZK6.2	ITT	3137d	ZL33	INTG	3790b	ZS52	FERB	534	ZW2	FERB	12
ZK6.2A	ITT	3157c	ZR10	FERB	706	ZS53	FERB	573	ZW6	FERB	447
ZK6.8	ITT	3184	ZR10T	FERB	707	ZS72	FERB	1351c	ZZ4.7	INRC	3042
ZK6.8A	ITT	3208	ZR11	FERB	985	ZS74	FERB	2072d	ZZ5.6	INRC	3100
ZK7.5	ITT	3222c	ZR11T	FERB	986	ZS78	FERB	2685c	ZZ6.8	INRC	3186
ZK7.5A	ITT	3227c	ZR12	FERB	1400	ZT3.9	ITT	2999	ZZ8.2	INRC	3266
ZK8.2	ITT	3264	ZR12T	FERB	1401	ZT4.7	ITT	3004	ZZ10	INRC	3373
ZK8.2A	ITT	3284	ZR13	FERB	1759	ZT4.7A	ITT	3063	ZZ12	INRC	3441
ZK9.1	ITT	3308e	ZR13T	FERB	1760	ZT5.6	ITT	3099	ZZ15	INRC	3506
ZK9.1A	ITT	3326d	ZR14	FERB	2118	ZT5.6A	ITT	3122	ZZ18	INRC	3585
ZK10	ITT	3371	ZR14T	FERB	2119	ZT6.2	ITT	3137e	ZZ22	INRC	3677
ZK10A	ITT	3398	ZR15	FERB	2350d	ZT6.2A	ITT	3157d	ZZ27	INRC	3737
ZK11	ITT	3408k	ZR15T	FERB	2350e	ZT6.8	ITT	3185			
ZK11A	ITT	3415b	ZR20	FERB	744	ZT6.8A	ITT	3209			



# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Bradley (cont.)	Bradley (cont.)	Bradley (cont.)	Bradley (cont.)	Britton	Britton (cont.)	Canadian G.E.
1N332 thru 1N349 1N359,A thru 1N363,A 1N364A 1N365,A 1N440,B thru 1N445,B 1N530 thru 1N540 1N547 1N550 thru 1N555 1N560 thru 1N563 1N588 1N589 1N596 1N597 1N598 1N599,A thru 1N614,A 1N1095 1N1096 1N1100 thru 1N1105 1N1115 thru 1N1120 1N1124 thru 1N1128 1N1130 1N1131 1N1133 thru 1N1149 1N1169,A 1N1199,A thru 1N1206,A 1N1217,A thru 1N1224,A 1N1225 1N1226 1N1227,A thru 1N1233,A 1N1235 1N1236 1N1341,A thru 1N1348,A 1N1406 thru 1N1413 1N1443 1N1444 1N1486 1N1487 1N1488 thru 1N1492	1N1537 thru 1N1544 1N1551 thru 1N1560 1N1581 thru 1N1587 1N1612 thru 1N1616 1N1692 thru 1N1697 1N1730 thru 1N1734 1N1745 thru 1N1762 1N2028 thru 1N2031 1N2080 thru 1N2086 1N2139 thru 1N2147, A thru 1N2153, A 1N2216 thru 1N2221 1N2222,A thru 1N2225,A 1N2228,A thru 1N2243,A 1N2246,A thru 1N2263,A 1N2266 thru 1N2271 1N2289,A thru 1N2293,A 1N2357 thru 1N2361 1N2373 thru 1N2385 1N2491 thru 1N2497 1N2501 1N2502 1N2505 1N2506 1N2512 thru 1N2608 1N2772 thru 1N2781 1N2847 thru 1N2852	1N2858 thru 1N2864 1N3052 thru 1N3061 BB101 thru BB109 BB111 thru BB119 BB121 thru BB129 BB1001 BB1002 BB1101 BB1102 BB1201 BB1202 BC101 thru BC109 BC203 thru BC209 BC305 thru BC307 BC309 BC1001 BC1002 BC2001 thru BC2004 BC2007 BC2010 BC2012 BC3002 BC3004 BC3007 BC3010 BC3012 BC3015 BC3017 BC3020 BC3022 BD101 thru BD109 BD111 thru BD119 BD121 thru BD129 BD1001 BD1002 BD1101 BD1102 BD1201 BD1202 BE101 thru BE109 BE111 thru BE119 BE121 thru BE129	BE1001 BE1002 BE1101 BE1102 BE1201 BE1202 BY101 thru BY109 BY111 thru BY119 BY121 thru BY129 BY201 thru BY209 BY211 thru BY219 BY221 thru BY229 BY701 thru BY709 BY711 thru BY719 BY721 thru BY729 BY801 thru BY809 BY811 thru BY819 BY821 thru BY829 BY1001 BY1002 BY1101 BY1102 BY1201 BY1202 BY2001 BY2002 BY2101 BY2102 BY2201 BY2202 BY7001 BY7002 BY7101 BY7102 BY7201 BY7202 BY8001 BY8002 BY8101 BY8102 BY8201 BY8202	1N248,A,B thru 1N250,A,B 1N253 thru 1N256 1N316,A thru 1N320,A 1N321A 1N322A 1N323,A thru 1N327,A 1N328A 1N329A 1N332 thru 1N349 1N359,A thru 1N363,A 1N364A 1N365A 1N440,B thru 1N445,B 1N530 thru 1N540 1N547 1N549 thru 1N559,A 1N614,A 1N1095 1N1096 1N1100 thru 1N1105 1N1115 thru 1N1120 1N1124 thru 1N1128 1N1130 1N1131 1N1133 thru 1N1149 1N1169,A 1N1199,A thru 1N1206,A 1N1217,A thru 1N1224,A 1N1225 1N1226 1N1227,A thru 1N1233,A 1N1235 1N1236 1N1341,A thru 1N1348,A 1N1406 thru 1N1413 1N1443 1N1444 1N1486 1N1487 1N1488 thru 1N1492	1N1227,A thru 1N1234,A 1N1235 1N1236 1N1341,A thru 1N1348,A 1N1434 thru 1N1438 1N1443 1N1444 1N1487 thru 1N1492 1N1537 thru 1N1544 1N1581 thru 1N1587 1N1612 thru 1N1616 1N1692 thru 1N1697 1N1763 thru 1N1764 1N2080 thru 1N2086 1N2154 thru 1N2160 1N2218 thru 1N2221 1N2222,A thru 1N2225,A 1N2228,A thru 1N2265,A 1N2266 thru 1N2288 1N2289,A thru 1N2293,A 1N2357 thru 1N2361 1N2362,A,B thru 1N2371,A,B 1N2793 thru 1N2798 1N2858 thru 1N2864 B200 B284 thru B299 B2200 B2201 B2202 HI60	1N34, A 1N35 1N38,A,B 1N48 1N51 1N52,A 1N54,A 1N58,A 1N63 1N65 1N67,A 1N68A 1N69,A 1N70,A 1N75 1N81,A 1N90 1N91 1N92 1N93 1N116 1N126,A 1N127,A 1N128 1N151 1N152 1N153 1N158 1N198 1N253 thru 1N256 1N332 thru 1N337 1N359 thru 1N346 1N348 1N349 1N440,B thru 1N445,B 1N456,A thru 1N459,A 1N461,A thru 1N464,A 1N482,A thru 1N488,A 1N482B thru 1N485B 1N536 thru 1N540 1N547 1N550 thru 1N555 1N599,A thru 1N614,A 1N636 1N1095 1N1096 1N1100 thru 1N1103

# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



<b>Can. GE (cont.)</b>	<b>CBS (cont.)</b>	<b>Clevite (cont.)</b>	<b>Clevite (cont.)</b>	<b>Columbus (cont.)</b>	<b>Columbus (cont.)</b>	<b>Computer (cont.)</b>
IN1115 thru IN1120 IN134IA thru IN1348A IN1487- thru IN1492 IN1692- thru IN1697 IN3114- thru IN3120	IN294 IN295 IN298 IN447- thru IN450 IN452- thru IN453 IN454 IN457 thru IN500 IN54I- IN63I- thru IN634 IN636 IN699 IN770 IN774 IN933 LD47 LD70 LD71 LD123 LD125 LD130 LD134 LD141 LD142 LD143 LD145	IN191 IN192 IN198 IN270 IN273 IN276- thru IN279 IN28I IN283 IN287- thru IN292 IN294 IN297 IN298 IN308 IN309 IN310 IN312 IN313 IN447- thru IN459 IN458A thru IN459A IN46I,A thru IN464,A IN482,A thru IN488,A IN482B thru IN485B IN490- IN497- thru IN502 IN619- IN622 IN625- thru IN629 IN632- thru IN635 IN643- IN645- thru IN649 IN89 IN90 IN95- thru IN96,A IN97 IN98,A IN99 IN100,A IN107 IN108 IN108 IN111 thru IN120 IN118A thru IN126 IN127 IN128 IN139- thru IN145	IN806 IN807 IN818 IN890 IN914 IN916 IN925- thru IN928 IN949- thru IN3110 CGD1030 CGD1031 CGD1032 CMD7103 CSD2542 CSD2551 CSD2552 CTP301 CTP309 CTP316 CTP462 CTP553 CTP591 CTP592 CTP2310 CTP2312 thru CTP2317 CTP2325- CTP2359 CTP2375 CTP2542 CTP2551 CTP2552	IN599,A thru IN614,A IN643- IN662 IN663 IN1095 IN1096 IN1100- thru IN1105 IN1115- thru IN1120 IN1124- thru IN1128 IN1130- IN1139- thru IN1149 IN1149A IN119I- thru IN1198 IN1217- thru IN1236 IN134I,A thru IN1348,A IN1443 IN1444 IN1487- thru IN1492 IN1612- thru IN1616 IN1692- thru IN1697 IN1730- thru IN1734 IN2080- thru IN2086 IN2147,A thru IN2153,A IN2154- thru IN2160 IN2216- thru IN2221 IN2222,A thru IN2265,A IN2266- thru IN2288 IN2289,A thru IN2293,A IN2357- thru IN2361 IN2362,A,B thru IN2371,A,B	IN2382 IN2383 CEC55 CEC105 CEC310 CEC410 CEC510 CEC610 CEC810 CEC1000 CEC1001,A,B CEC1010 CEC1200 CEC1201,A,B CEC1210 CEC134IA thru CEC1348A CEC1734- CEC2050 CEC2383 CEC2384 CEC2385 CEC3050 CEC4050 CEC5050 CEC6050 CEC8050	IN891 thru IN893 IN920- thru IN923 IN934-  <b>Continental</b> IN456,A thru IN459,A IN46I,A thru IN464,A IN465- thru IN470 IN482,A,B thru IN486,A,B IN487,A IN625- thru IN629 IN643- IN658- thru IN663 IN662A IN663A IN702- thru IN730 IN746,A thru IN759,A IN76I- IN762 IN763,A thru IN769,A IN778- IN779 IN789- thru IN804 IN806- thru IN808 IN818- IN837,A IN838 IN840 IN841 IN846- thru IN849 IN857- thru IN860 IN868- thru IN871 IN879- thru IN882 IN89I- IN892 IN914,A
<b>CBS Electronics</b> IN34A IN35 IN38A IN38B IN39A IN39B IN40- IN42 IN48 IN51 IN52 IN54,A IN55A IN55B IN56A IN58A IN60,A IN63 IN64 IN65 IN67A IN68A IN69A IN70A IN71 IN73 IN74 IN75 IN81,A IN82,A IN90 IN95- thru IN100 IN107 IN108 IN116 IN117 IN118 IN126A IN127A IN128 IN191 IN192 IN198,A,B IN273 IN276 thru IN279 IN28I IN283 IN287 thru IN292	<b>Clevite</b> IN34A IN38,A IN51 IN52 IN54,A IN55,A,B IN56,A IN58A IN63 IN65 IN66 IN67A IN68A IN69,A IN75 IN88 IN89 IN90 IN95- IN96,A IN97 IN98,A IN99 IN100,A IN107 IN108 IN108 IN111 thru IN120 IN118A thru IN126 IN127 IN128 IN139- thru IN145	<b>Cie des Lampes</b> IN48 IN63 IN64 IN65 40J2 40P1 46P1	<b>Columbus</b> IH2-2361 IH3-2361 IH4-2361 IN248,A,B IN249,A,B IN250,A,B IN253- thru IN256 IN332- thru IN349 IN440B thru IN445B- IN530- thru IN540 IN547- IN560- thru IN563 IN570-	<b>Computer Diode</b> IN456,A thru IN459,A IN46I,A IN462,A IN463,A IN464,A IN482,A,B thru IN486,A,B IN487,A IN488,A IN625- thru IN629 IN643,A- IN645- thru IN649 IN658- thru IN661 IN662,A IN663,A IN690 thru IN693 IN778- IN779 IN789- thru IN804 IN806- thru IN809 IN837,A IN838- thru IN845		

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Continent (cont.)	Controls (cont.)	Controls (cont.)	Controls (cont.)	Controls (cont.)	Controls (cont.)	
IN916,A IN557- thru IN977 IN1313- thru IN1322 IN1530A IN1929- thru IN1937 CD1111- thru CD1117 CD1121- thru CD1127 CD1141- CD1142 CD1143 CD1147 CD1148 CD1149 CD1151 CD3122- thru CD3129 CD3131- thru CD3139 CD3141- thru CD3149 CD3151- CD3152 CD3154- thru CD3159 CD3161- CD3162 CD3163 CD4111- thru CD4118 CD6111- CD6112	IN3098 thru IN3101 IR10- IR15 IR25 IR50 IR75 IR100 IR150 IR200 IR300 IR400 IR500 IR600 IR700 IR800 IR900 IR1000 IR1200 IR1500 1TZ8.2T10 1TZ10T10 1TZ12T10 1TZ15T10 1TZ18T10 1TZ22T10 1TZ27T10 1TZ33T10 1TZ39T10 1TZ47T10 2R10 2R15 2R25 2R50 2R75 2R100 2R150 2R200 2R300 2R400 2R500 2R600 2R700 2R800 2R900 2R1000 2R1200 2R1500 2TZ8.2T10 2TZ10T10 2TZ12T10 2TZ15T10 2TZ18T10 2TZ22T10 2TZ27T10 2TZ33T10 2TZ39T10 2TZ47T10 2Z8.2T10 2Z10T10 2Z12T10 2Z15T10 2Z18T10 2Z22T10 2Z27T10 2Z33T10 2Z39T10 2Z47T10 2Z56T10 2Z68T10	2Z82T10 2Z100T10 2Z120T10 2Z150T10 2Z180T10 2Z200T10 2Z220T10 3R10 3R15 3R25 3R50 3R75 3R100 3R150 3R200 3R300 3R400 3R500 3R600 3R700 3R800 3R900 3R1000 3R1200 3R1500 3R1800 3R200 3Z9T20 3Z12T20 3Z18T20 3Z24T20 3Z36T20 3Z48T20 3Z60T20 3Z90T20 3Z120T20 3Z180T20 4R10 4R15 4R25 4R50 4R75 4R100 4R150 4R200 4R300 4R400 4R500 4R600 4R700 4R800 4R900 4R1000 4R1200 4R1500 4Z9T20 4Z12T20 4Z18T20 4Z24T20 4Z36T20 4Z48T20 4Z60T20 4Z90T20 4Z120T20 4Z180T20 10CR10 10CR15 10CR25 10CR50 10CR75 10CR100 10CR150 10CR200	10CR300 10CR400 10CR500 10ER10 10ER15 10ER25 10ER50 10ER75 10ER100 10ER150 10ER200 10ER300 10ER400 10ER500 20CR10 20CR15 20CR25 20CR50 20CR75 20CR100 20CR150 20CR200 20CR300 20CR400 20CR500 20ER10 20ER15 20ER25 20ER50 20ER75 20ER100 20ER150 20ER200 20ER300 20ER400 20ER500 ECR10-1 ECR15-1 ECR25-1 ECR50-1 ECR75-1 ECR100-1 ECR150-1 ECR200-1 ECR300-1 ECR400-1 ECR500-1 ECR600-1 ECR700-1 ECR800-1 ECR900-1 ECR1000-1 ECR1200-1 ECR1500-1 ECZ9T20-1 ECZ9T20-2 ECZ12T20-1 ECZ12T20-2 ECZ18T20-1 ECZ18T20-2 ECZ24T20-1 ECZ24T20-2 ECZ36T20-1 ECZ36T20-2 ECZ48T20-1 ECZ48T20-2 ECZ60T20-1 ECZ60T20-2 ECZ90T20-1 ECZ90T20-2 ECZ120T20-1	ECZ120T20-2 ECZ180T20-1 ECZ180T20-2 EER10-1 EER15-1 EER15-2 EER25-1 EER30-2 EER50-1 EER50-2 EER75-1 EER75-2 EER100-1 EER100-2 EER150-1 EER150-2 EER200-1 EER200-2 EER250-2 EER300-1 EER300-2 EER400-1 EER500-1 EER500-2 EER600-1 EER600-2 EER700-1 EER800-1 EER900-1 EER1000-1 EER1200-1 EER1500-1 EEZ8.2T10-1 EEZ8.2T10-2 EEZ10T10-1 EEZ10T10-2 EEZ12T10-1 EEZ12T10-2 EEZ15T10-1 EEZ15T10-2 EEZ18T10-1 EEZ18T10-2 EEZ22T10-1 EEZ22T10-2 EEZ27T10-1 EEZ27T10-2 EEZ33T10-1 EEZ33T10-2 EEZ39T10-1 EEZ39T10-2 EEZ47T10-1 EEZ47T10-2 EEZ56T10-1 EEZ56T10-2 EEZ68T10-1 EEZ68T10-2 EEZ82T10-1 EEZ82T10-2 EEZ100T10-1 EEZ100T10-2 EEZ120T10-1 EEZ120T10-2 EEZ150T10-1 EEZ150T10-2 EEZ180T10-1 EEZ180T10-2 EEZ200T10-1 EEZ200T10-2 EEZ220T10-1 EEZ220T10-2 ETZ1.5T10-2	ETZ1.8T10-2 ETZ2.2T10-2 ETZ2.7T10-2 ETZ3.3T10-2 ETZ3.9T10-2 ETZ4.7T10-2 ETZ5.6T10-2 ETZ6.8T10-2 ETZ8.2T10-1 ETZ8.2T10-2 ETZ10T10-1 ETZ10T10-2 ETZ12T10-1 ETZ12T10-2 ETZ15T10-1 ETZ15T10-2 ETZ18T10-1 ETZ18T10-2 ETZ22T10-1 ETZ22T10-2 ETZ27T10-1 ETZ27T10-2 ETZ33T10-1 ETZ33T10-2 ETZ39T10-1 ETZ39T10-2 ETZ47T10-1 ETZ47T10-2 SCZ9T20 SCZ12T20 SCZ18T20 SCZ24T20 SCZ36T20 SCZ48T20 SCZ60T20 SCZ90T20 SCZ120T20 SCZ180T20 SER15 SER30 SER50 SER75 SER100 SER150 SER200 SER250 SER300 SER500 SER600 SEZ8.2T10 SEZ10T10 SEZ12T10 SEZ15T10 SEZ18T10 SEZ22T10 SEZ27T10 SEZ33T10 SEZ39T10 SEZ47T10 SEZ56T10 SEZ68T10 SEZ82T10 SEZ100T10 SEZ120T10 SEZ150T10 SEZ180T10 SEZ200T10 SEZ220T10 STZ1.5T10 STZ1.8T10 STZ2.2T10	STZ2.7T10 STZ3.3T10 STZ3.9T10 STZ4.7T10 STZ5.6T10 STZ6.8T10 STZ8.2T10 STZ10T10 STZ12T10 STZ15T10 STZ18T10 STZ22T10 STZ27T10 STZ33T10 STZ39T10 STZ47T10  <b>Cornell-Dubilier</b>  IN248 IN249 IN250 IN253- thru IN256 IN332- thru IN349 IN550- thru IN555 IN562- IN563 IN607,A thru IN614,A IN1115 thru IN1120 IN1124 thru IN1128 IN1199 thru IN1206 IN1301 IN1302 IN1304 IN1306 IN1341- thru IN1348 IN1581- thru IN1587 IN1612- thru IN1616 IN2348- IN2349 IN2350 CDE210A,B CDE210C,D CDE210F,H CDE210J CDE248 CDE249 CDE250 CDE1124 thru CDE1128

**Controls Co.**

IN137A  
IN138A  
IN200-  
thru  
IN222  
IN225-  
thru  
IN233  
IN466-  
thru  
IN475  
IN1313-  
thru  
IN1327  
IN1875-  
thru  
IN1888  
IN1981-  
thru  
IN1998

# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Cornell (cont.)	Delta Semicon.	Delta (cont.)	Delta (cont.)	Dickson (cont.)	Dickson (cont.)	Dickson (cont.)		
CDE1199 thru CDE1206 CDE1341 thru CDE1348 CDE1581 thru CDE1587 CDE2178 thru CDE2191 CDE2194 thru CDE2201 CDE2204 thru CDE2211 CDE2348 CDE2349 CDE2350 CDE5051A,B CDE5051C,D CDE5051F,H CDE5051J,L CDE5051P,T CDE5091A,B CDE5091C,D CDE5091F,H CDE5091J,L CDE5091P,T	1N137A 1N138A 1N194,A 1N195 1N196 IN200-- thru 1N222 IN251,A 1N252,A IN301,A,B thru 1N303,A,B IN323,A-- 1N330 1N331 1N336 IN350-- thru 1N354 IN359,A 1N362,A 1N365 IN379-- thru 1N385 IN387-- thru 1N394 IN431-- 1N433,A,B 1N434,A,B IN458,A-- thru 1N459,A IN460,A,B 1N461,A 1N462,A 1N463,A 1N464,A IN482,A,B thru 1N487,A,B IN488,A 1N536 1N548 1N599,A 1N619 1N622 IN625,A thru 1N629,A IN643 1N645,A IN648 thru 1N649 IN658-- IN659,A thru 1N662,A IN663-- IN676-- thru 1N679 IN681-- thru 1N687 IN689-- thru 1N693	1N696 1N697 1N778 1N779 IN785-- thru 1N815 IN818-- 1N837,A IN838-- thru 1N862 IN864-- thru 1N870 IN872-- thru 1N893 IN897-- thru 1N902 IN903,A thru 1N908,A IN914,A 1N916,A IN920-- thru 1N928 IN934-- 1N947 1N997 1N1028 IN1251-- thru 1N1261 IN1415-- 1N1487 IN1490-- thru 1N1492 IN1563-- thru 1N1566 IN1644-- 1N1701 1N1707 1N2013 IN2069-- thru 1N2072 IN2075-- IN2077-- thru 1N2082 IN2090-- IN2103-- thru 1N2108 IN2148-- IN2222,A thru 1N2225,A IN2266-- thru 1N2271 IN2501-- 1N2502 1N2505 1N2506 1N2791	1N2865 thru 1N2868 IN2878-- thru 1N2881 IN3070-- 1N3106 1N3107 1N3109 1N3123 1N3124 1N3257 1N3258 DB100 DB110 DB120 DB300 DB310 DR100 DR200 DR300 DR400 DR500 DR600 DR700 DR800 DR900 DR1000 DR1100 DR1200 DW100 DW120 DW130 DW200 DW210 DW300 DW310	3/4Z43D 3/4Z45D 3/4Z47D 3/4Z50D 3/4Z52D 3/4Z56D 3/4Z62D 3/4Z68D 3/4Z75D 3/4Z82D 3/4Z91D 3/4Z100D 3/4Z105D 3/4Z110D 3/4Z120D 3/4Z130D 3/4Z140D 3/4Z150D 3/4Z175D IN253-- thru 1N256 IN1115-- thru 1N1120 IN1351,A thru 1N1375,A IN1603,A 1N1609,A IN1767-- thru 1N1802 IN1805-- thru 1N1815 IN1818,A thru 1N1836,A IN1891-- thru 1N1904 IN2008,A thru 1N2012,A IN2043-- thru 1N2049 IN2498,A thru 1N2500,A IN2620,A,B thru 1N2624,A,B IN2970-- thru 1N2977 IN2979 1N2980 1N2982 IN2984-- thru 1N2986 IN2988-- thru 1N2993 IN2995-- 1N2997	1N2999 thru 1N3005 IN3007 1N3008 1N3009 1N3011 1N3012 IN3014-- thru 1N3051 IZ6.8D 1Z7.5D 1Z8.2D 1Z9.1D IZ10D-- thru 1Z20D IZ22D-- 1Z24D 1Z25D 1Z25D 1Z27D 1Z30D 1Z33D 1Z36D 1Z39D 1Z39D 1Z43D 1Z45D 1Z47D 1Z50D 1Z52D 1Z56D 1Z62D 1Z68D 1Z75D 1Z82D 1Z91D 1Z100D 1Z105D 1Z110D 1Z110D 1Z120D 1Z130D 1Z140D 1Z150D 1Z175D 1Z200D 1.5Z6.8D 1.5Z7.5D 1.5Z8.2D 1.5Z9.1D I.5Z10D-- thru 1.5Z20D I.5Z22D-- 1.5Z24D 1.5Z25D 1.5Z27D 1.5Z30D 1.5Z33D 1.5Z36D 1.5Z39D 1.5Z43D 1.5Z45D 1.5Z47D 1.5Z50D 1.5Z52D 1.5Z56D 1.5Z62D 1.5Z68D 1.5Z75D 1.5Z82D	1.5Z91D 1.5Z100D 1.5Z105D 1.5Z110D 1.5Z120D 1.5Z130D 1.5Z140D 1.5Z150D 1.5Z175D 1.5Z200D 10Z6.8D 10Z7.5D 10Z8.2D 10Z9.1D I0Z10D-- thru 10Z20D I0Z22D-- 10Z24D 10Z25D 10Z27D 10Z30D 10Z33D 10Z36D 10Z39D 10Z43D 10Z45D 10Z47D 10Z50D 10Z52D 10Z56D 10Z62D 10Z68D 10Z75D 10Z82D 10Z91D 10Z100D 10Z105D 10Z110D 10Z120D 10Z130D 10Z140D 10Z150D 10Z175D 10Z200D	<b>Diodes, Inc.</b> DI52 DI54 DI56 DI58 DI510	<b>Diotron, Inc.</b> 1N253 thru 1N256 IN1415-- 1N1422 1N1485 IN1818-- thru 1N1836

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Fr. T-H (cont.)	Fr. T-H (cont.)	GE-US (cont.)	GE-US (cont.)	GE-US (cont.)	GE-US (cont.)	GE-Engl. (cont.)
10J2	THP800	1N440,B	1N1487	4JA411C	C60A	S1M6
10R2	thru	thru	thru	4JA411D	C60B	S1M8
11J2	THP805	1N445,B	1N1492	4JA411E	C60C	S1M9
11R2	THP911	IN538---	IN1581	4JA411F	C60F	SVC1
11R4	thru	thru	thru	4JA411M	C60G	SVC2
11Z4	THP915	1N540	1N1587	4JA3011A	C60H	SVC3
12J2	THP917	IN547	IN1812	4JA3011B	C60U	SVC11
12P2	THP921	IN550	thru	4JA3011C	G6	thru
12R2		thru	1N1616	4JA3511A	G7A	SVC17
12R4		1N555	IN1852	4JA3511B	G7B	SVC21
12Z4		IN560	thru	4JA3511C	G7C	SVC22
13J2	<b>Gabagan</b>	thru	1N1697	4JA3511F	G7D	SX10
13P2	1N38A	1N563	IN1785	4JA3011A	G7E	thru
13R2	1N39,A	IN573	thru	4JA6011B	Z4X5.1B	SX13
13Z4	1N54A	1N574	1N1776	4JA6011C	Z4X5.6B	SX47
14J2	1N55,B	1N575A	IN2135A	4JA6011D	Z4X6.2B	SX51
14P1	IN59	1N576A	IN2154	4JA6011F	Z4X6.8B	SX56
14P2	1N63	IN581	thru	4JA6211A	Z4X7.5B	SX62
14R2	1N67A	thru	1N2160	4JA6211B	Z4X8.2B	SX68
14Z4	1N72	1N584	IN2847	4JA6211D	Z4X9.1B	SX75
15J2	1N98	IN599,A	thru	4JA6211F	Z4X10B	SX82
15P1	1N100	thru	1N2852	8GCI	Z4X11B	SX86
15P2	IN143	1N614,A	IN2939,A	6GD1	Z4X12B	SX88
15R2	1N198	IN645	1N2940,A	8GX1	Z4X14B	thru
15Z4	1N270	thru	1N2941,A	6RS20PH6RGD1	Z4X15B	SX638
16J2	1N273	1N649	1N2969,A	C10A	Z4X16B	SX840
16P1	IN278	IN678	IN3114,A	C10B	ZJ203A	thru
16P2	thru	1N677	thru	C10C	ZJ203B	SX645
16Z4	1N279	1N679	1N3120,A	C10D	ZJ203C	SX751
17P2	IN283	1N681	IN3149,A	C10F	ZJ203F	thru
17Z4	1N289	1N687	1N3150	C10G	ZJ203G	SX754
18J2	1N292	1N689	1N3218,A	C10H	ZJ203H	SX761
18P2	IN452	1N1008	1N3219,A	C10U	ZJ203U	SX780
19P2	thru	1N1016	2N881	C11A		SX781
21RIA	1N455	IN1021	thru	C11B		SX782
22RIA	G2	thru	2N889	C11C		SZ10C
23RIA	G17	1N1024	2N1776,A	C11D		SZ12C
24RIA	G18	IN1095	thru	C11F		SZ15B,C
26P1	G107	1N1096	2N1777,A	C11G		SZ18B,C
52Z4	G108	IN1100	2N1842	C11H		SZ22B,C
thru	G124	thru	thru	C11U		SZ27B,C
57Z4	G127	1N1103	2N1850	C36A		SZ33B,C
72Z4	G128	IN1115	2N1909	C36B		SZ39B
thru	G400	thru	thru	C36C		SZ47B
83Z4	G500	1N1120	2N1916	C36D		SZ56A
85P1		IN1124,A	2N1929	C36F		SZ68A
104Z4		1N1125	thru	C36G		SZ82A
thru		1N1126,A	2N1935	C36H		SZT1
113Z4		1N1127	4JA80A	C36U		SZT2
115Z4		1N1128,A	4JA60B	C40A		
205Z4		1N1169,A	4JA60C	C40B		
thru		IN1191	4JA60D	C40C		
213Z4		thru	4JA60F	C40F		
215Z4		1N1198	4JA60G	C40G		
230S2		IN1195A	4JA60H	C40H		
240S2		thru	4JA60J	C40U		
303Z4		1N1198A	4JA62A	C50A		
thru		IN1199,A	4JA62B	C50B		
317Z4		thru	4JA62C	C50C		
319Z4		1N1206,A	4JA62D	C50D		
thru		IN1217	4JA62F	C50F		
323Z4		thru	4JA62G	C50G		
325Z4		1N1226	4JA82H	C50H		
330S2		IN1301	4JA62J	C50U		
340S2		1N1302	4JA70B	C55A		
630S2		1N1304	4JA70C	C55B		
640S2		1N1306	4JA70D	C55C		
SBA10L		IN1341,A	4JA70E	C55F		
THP71		thru	4JA70M	C55G		
THP119		1N1348,A	4JA411A	C55H		
			4JA411B	C55U		

**Gabagan**

**G.E. U.S.**

**G. E. England**

**Gen. Instrument**

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Gen. Inst. (cont.)	Gen. Inst. (cont.)	Gen. Inst. (cont.)	Gen. Inst. (cont.)	Gen. Inst. (cont.)	Gen. Inst. (cont.)
1N89	1N456,A	1N771A	1N1518	1N2793	AM51
1N90	thru	thru	thru	thru	thru
1N95	1N459,A	1N774A	1N1528	1N2800	AM57
1N96,A	1N481,A	1N777B	1N1537-	1N2878-	AM61-
1N97,A	thru	1N778	thru	1N2891	thru
thru	1N484,A	1N779	1N1544	1N2900	AM67
1N100,A	1N480-	1N789-	1N1551-	1N2911	AM205
1N102-	1N482-,A,B	thru	thru	1N2918	AM410
1N107	thru	1N809	1N1560	1N2925-	AM415
1N108	1N486,A,B	1N811-	1N1575-	3R3.9-	AM420
1N116,A	1N487,A	thru	thru	3R4.7	AM425
1N117,A	1N488,A	1N815--	1N1578	3R5.6	AM430-
1N118,A	1N490	1N818--	1N1581-	3R6.8	AM435
1N126,A	1N497--	1N846--	thru	3R8.2	AM440
1N127,A	thru	thru	1N1609	3R10	AM450
1N128	1N502	1N893	1N1588A	3R12	AM460
1N132	1N530-	1N903,A	thru	3R15	AM0505
1N191	thru	thru	1N1598A	3R18	AM0510
1N192	1N540	1N908,A	1N1612-	3R22	AM0520
1N198	1N547-	1N909-	thru	3R27	AM1005
1N248A,C	thru	1N910	1N1616	AG0512	AM1010
1N249,A,C	1N555	1N911	1N1644-	AG1012	AM1020-
1N250,A,C	1N560-	1N914,A	thru	AG1512	AM1505
1N253	thru	1N916,A	1N1653	AG2012	AM1510
thru	1N563	1N925--	1N1652-	AG2512	AM1520
1N256	1N588-	thru	thru	AG3012-	AM2005
1N270-	1N589	1N932	1N1697	AG3512	AM2010
1N273	1N599,A	1N1055-	1N1730-	AG4012	AM2020
1N276	thru	1N1096	thru	AG5012	AM2505
1N277	1N614,A	1N1100-	1N1734	AG6012	AM2510
1N278	1N625-	thru	1N1783-	AM2520	AM2520
1N279	thru	1N1105	thru	AH805-	AM3005-
1N281-	1N629	1N1115-	1N1802	AH810	AM3010
1N283	1N631-	thru	1N1808-	AH815	AM3020
1N287-	1N632	1N1120	1N1816,A	AH1005	AM3505
thru	1N633	1N1124-	thru	AH1010	AM3510
1N292	1N634	thru	1N1836,A	AH1205	AM3520-
1N294,A	1N636	1N1128	1N1927-	AH1210	AM4005
1N295	1N643,A	1N1133-	thru	AH1505	AM4010
1N297	1N645,A	thru	1N1953	AH1510	AM4020
1N298,A	1N646-	1N1149	1N2015-	AM005-	AM5005-
1N304	thru	1N1143A	thru	AM010	AM5010
1N308	1N649	1N1169,A	1N2031	AM015	AM6005
1N309	1N658--	1N1183-	1N2043,A	AM020	AM6010
1N310	thru	thru	thru	AM025	AP710
1N312-	1N663	1N1194	1N2049,A	AM030	AP720
1N313	1N662A-	1N1195,A	1N2069	AM035	AP730
1N316,A	1N663A	thru	thru	AM040	AP810
thru	1N676-	1N1198,A	1N2086	AM050	AP820
1N320,A	thru	1N1199	1N2128,A	AM060	AP830
1N323,A	1N679	thru	thru	AM1--	AP1010
thru	1N681-	1N1206	1N2135,A	thru	AP1020
1N327,A	thru	1N1251-	1N2154-	AM5	DR128
1N332-	thru	thru	thru	AM7--	DR207
thru	1N687	1N1261	1N2160	AM11	DR209
1N349	1N689-	1N1341-	1N2373-	AM12	DR211
1N359,A	1N695	thru	thru	AM13	DR213
thru	1N702-	1N1348	1N2385	AM17	DR272
1N363,A	thru	1N1351,A	1N2491-	AM21----	DR283-
1N378-	1N746A	thru	thru	thru	DR291
thru	thru	1N1362,A	1N2497	AM24	DR292
1N394	1N759A	1N1363A-	1N2501-	AM27-	DR295
1N429-	1N761-	thru	thru	AM31-	DR301-
1N432	1N762	1N1374A	1N2508	thru	thru
1N434	1N763,A	1N1434-	1N2512-	AM34	DR319
1N435	thru	thru	thru	AM37-	DR321-
1N440,B	1N769,A	1N1438	1N2523-	AM41-	thru
thru	1N770-	1N1486--	1N2630-	thru	DR330
1N445,B	thru	thru	thru	AM44-	DR336-
1N447-	1N777	1N1492	1N2636	AM47-	DR337
					DR338



# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Hughes-U.S. (cont.)	Intermetall	Intl. Rect.-U.S.	Int. Rec.-US (cont.)	Int. Rec.-US (cont.)	Int. Rec.-US (cont.)	Int. Rec.-US (cont.)
HR10422 thru HR10425 HR10671- HR10673 HR10675 HR10677 HR10679 HR10681- HR10741 HR10743 HR10745 HR10747 HR10749 HZ8119 HZ8122-- thru HZ8129 HZ8131- thru HZ8139 HZ8141- thru HZ8149 HZ8151- thru HZ8156	FD3 thru FD7 OY5081 thru OY5067 S32-- thru S96-- Z5 thru Z8 Z10---- Z12 Z15 Z18 Z22 Z25--- thru ZL8 ZL10-- ZL12 ZL15 ZL18 ZL22 ZL27 ZL33	1EZ5.6T10 1EZ6.8T10 1EZ8.2T10 1EZ10T10 1EZ12T10 1EZ15T10 1EZ18T10 1EZ22T10 1EZ27T10 1N248B 1N249B 1N250B IN253-- thru 1N256 IN332-- thru 1N349 IN411B 1N412B 1N413B 1N429 1N430,A,B IN440,B-- thru 1N445,B IN456,A thru 1N459,A IN461,A thru 1N464,A IN482,A,B thru 1N486,A,B IN487,A 1N488,A-- IN538-- thru 1N540 IN547-- thru IN550-- thru 1N555 IN570-- IN598-- thru 1N614 IN599A thru 1N614A IN619-- 1N622 1N676 1N678 IN701-- thru 1N712 IN890-- IN1055 1N1096 IN1100-- thru 1N1105 IN1130-- 1N1131 IN1133-- thru 1N1149 IN1143A	1N1183 thru 1N1205 IN1217,A thru 1N1224,A IN1341-- thru 1N1347 IN1353 1N1358 1N1361 IN1408 thru 1N1413 IN1487-- thru 1N1492 IN1507, A thru 1N1528, A IN1530,A IN1588,A thru 1N1609,A IN1625,A 1N1626,A IN1627-- thru 1N1642 IN1680-- thru 1N1687 IN1692-- thru 1N1695 IN1698-- thru 1N1712 IN1730-- thru 1N1733 IN1745-- thru 1N1762 IN1777-- thru 1N1781 1N1804 1N1807 IN2054-- thru 1N2063 IN2118-- IN2128,A thru 1N2138,A IN2139-- IN2373-- thru 1N2381 IN2386-- thru 1N2637 IN3085 thru 1N3091 IZ4.3T5 IZ4.7T20 IZ5.1T5 IZ6.2T5 IZ6.8T20	1Z7.5T5 1Z9.1T5 1Z10T20 1Z11T5 1Z13T5 1Z15T20 1Z16T5 1Z20T5 1Z22T20 1Z24T5 1Z30T5 2E4 3Z4.3T5 3Z4.7T20 3Z5.1T5 3Z6.2T5 3Z6.8T20 3Z7.5T5 3Z9.1T5 3Z10T20 3Z11T5 3Z13T5 3Z15T20 3Z16T5 3Z20T5 3Z22T20 3Z24T5 3Z30T5 4RV8 4RV8A 4RV16 4RV16A 5E4 5E5 5E6 6F5 6F10 6F15 6F20 6F30 6F40 6F50 6RV8 6RV8A 6RV16 6RV16A 6.8SC20 10EZ5.6T10 10EZ6.8T10 10EZ8.2T10 10EZ10T10 10EZ12T10 10EZ15T10 10EZ18T10 10EZ22T10 10EZ27T10 10Z4.3T5 10Z4.7T20 10Z5.1T5 10Z6.2T5 10Z6.8T20 10Z7.5T5 10Z9.1T5 10Z10T20 10Z11T5 10Z13T5 10Z15T20 10Z16T5 10Z20T5 10Z22T20 10Z24T5	10Z30T5 12F5 12F10 12F15 12F20 12F30 12F40 12F50 45L5 45L15 45L25 45L35 45L45 45L70 45L75 45LB10 45LB15 45LB20 45LB25 45LB30 45LB35 45LB40 45LB45 45LB50 45LB60 45M5 45M10 45M15 45M20 45M25 45M30 45M35 45M40 45M45 45M50 45M60 45M70-- 45M80 45P5 45P10 45P15 45P20 45P25 45P30 45P35 45P40 45P45-- 45P50 45P60 45P70 45P80 45TB5-- 45TB10 45TB15 45TB20 45TB25 45TB30 45TB35 45TB40 45TB45 45TB50 45TB60 70TB5 70TB10 70TB15 70TB20 70TB25 70TB30 70TB35 70TB40 70TB45	70TB50 70TB60 70UB5 70UB10 70UB15 70UB20 70UB25 70UB30 70UB35 70UB40 70UB45 70UB50 70UB60 A2 A3 A5, M A7, M A10, M A15, M A30 B1 B2 B4 B5 B10, M B15 B17 B20 B30 BC100 DP2 DP3 DP5 HZ27 HZ33 HZ47 HZ56 HZ68 HZ100 HZ120 HZ150 MEZ5.6T10 MEZ6.8T10 MEZ8.2T10 MEZ10T10 MEZ12T10 MEZ15T10 MEZ18T10 MEZ22T10 MEZ27T10 MZ4.3T5 MZ4.7T20 MZ5.1T5 MZ6.2T5 MZ6.8T20 MZ7.5T5 MZ9.1T5 MZ10T20 MZ11T5 MZ13T5 MZ15T20 MZ16T5 MZ20T5 MZ22T20 MZ24T5 MZ30T5 PC103 QZ3.3T10 QZ3.6T5 QZ3.9T10 QZ4.3T5

# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Int. Rec. US (cont.)	Int. Rec. US (cont.)	Intl. Rect. Japan (cont.)	ITT Comp. (cont.)	ITT Comp. (cont.)	ITT Comp. (cont.)	ITT Comp. (cont.)
QZ4.7T10	X10RC20	66-0706	1N332	CA152KA	CP152BA	FS503HA
QZ5.1T5	X16RC2	66-0708	thru	CA152MA	CP152DA	FS503KA
QZ5.6T10	X16RC3	66-0710	1N349	CA152PA	CP152FA	FS503MA
QZ6.2T5	X16RC5	66-0712	IN411B	CA152RA	CP152HA	FS703AA
QZ6.8T10	X16RC7	70U5	1N412B	CC102BA	CP152KA	FS703BA
QZ7.5T5	X16RC10	70U10	IN413B	CC102DA	CP152MA	FS703CA
QZ8.2T10	X16RC15	70U15	IN440,B	CC102FA	CP152PA	FS703DA
QZ9.1T5	X16RC20	70U20	thru	CC102HA	CP152RA	FS703EA
QZ10T10	ZZ4.7	70U25	1N445,B	CC102KA	CS302BA	FS703FA
QZ11T5	ZZ5.6	70U30	IN530	CC102MA	CS302DA	FS703GA
QZ12T10	ZZ6.8	70U40	thru	CC102PA	CS302FA	FS703HA
QZ13T5	ZZ8.2	70U50	1N540	CC102RA	CS302HA	FS703KA
QZ14T10	ZZ10	CB15,M	IN547	CC152AA	CS302KA	FS703MA
QZ15T5	ZZ12	CB18,M	IN550	CC152BA	CS302MA	FT503AA
QZ16T10	ZZ15	EA24,M	thru	CC152DA	CS302PA	FT503BA
QZ17T5	ZZ18	EB36,M	1N555	CC152FA	CS302RA	FT503CA
QZ18T10	ZZ22	EB48,M	IN560	CC152HA	DS203AA	FT503DA
QZ19T5	ZZ27	EC60,M	thru	CC152KA	DS203BA	FT503EA
QZ20T10		EC72,M	1N563	CC152MA	DS203CA	FT503FA
QZ22T5		ED120,M	IN599,A	CC152PA	DS203DA	FT503GA
QZ24T10		FD160,M	thru	CC152RA	DS203EA	FT503HA
QZ25T5			1N614,A	CE302BA	DS203FA	FT503KA
QZ27T10			INI095	CE302DA	DS203GA	FT503MA
QZ30T5			1N1096	CE302FA	DS203HA	FT703AA
RV8			INI100	CE302HA	DS203KA	FT703BA
RV8A			thru	CE302KA	DS203MA	FT703CA
RV8PC			1N1105	CE302MA	DS203PA	FT703DA
RV8PCA			INI115	CE302PA	DS203RA	FT703EA
S0510,A,B			thru	CE302RA	DS303AA	FT703FA
S0520,A,B			1N1120	CF102BA	DS303BA	FT703GA
S1020,A,B			INI124	CF102DA	DS303CA	FT703HA
SD91, A			thru	CF102FA	DS303DA	FT703KA
thru			1N1128	CF102HA	DS303EA	FT703MA
SD95, A			INI199	CF102KA	DS303FA	KS602AA
SD1020A			thru	CF102MA	DS303GA	KS602BA
SD21020A			1N1205	CF102PA	DS303HA	KS602CA
SD21020B			INI227	CF102RA	DS303KA	KS602DA
SM51020A			thru	CF152AA	DS303MA	KS602EA
SM51020B			1N1236	CF152BA	DS303PA	KS602FA
SPR5-01			INI341	CF152DA	DS303RA	KS602GA
SPR6-01			thru	CF152FA	DT203AA	KS602HA
SPR8-01			1N1347	CF152HA	DT203BA	KS602KA
SPR9-01			INI444	CF152KA	DT203CA	KS602MA
ST7			INI487	CF152MA	DT203DA	KS602PA
thru			thru	CF152PA	DT203EA	KS602RA
ST10			1N1492	CF152RA	DT203FA	US123AA
X1RC2			INI507	CH302BA	DT203GA	US123BA
X1RC3			thru	CH302DA	DT203HA	US123CA
X1RC5			1N1528	CH302FA	DT203KA	US123DA
X1RC7			INI588	CH302HA	DT203MA	US123EA
X1RC10			thru	CH302KA	DT203PA	US123FA
X1RC15			1N1609	CH302MA	DT203RA	US123GA
X1RC20			INI692	CH302PA	DT303AA	US123HA
X5A2			thru	CH302RA	DT303BA	US123KA
X5A4			1N1695	CK302BA	DT303CA	US123MA
X5A5			IN2350	CK302DA	DT303DA	US123PA
X5A6			thru	CK302FA	DT303EA	US123RA
X5M2			1N2469	CK302HA	DT303FA	ZB3.9, A
X5M4			CA102BA	CK302KA	DT303GA	ZB4.7, A
X5M5			CA102DA	CK302MA	DT303HA	ZB5.6, A
X5M6			CA102FA	CK302PA	DT303KA	ZB6.2, A
XI0BI			CA102HA	CK302RA	DT303MA	ZB6.8, A
thru			CA102KA	CP102BA	DT303PA	ZB7.5, A
X10B6			CA102MA	CP102DA	DT303RA	ZB8.2, A
XI0RC2			CA102PA	CP102FA	FS503AA	ZB9.1, A
X10RC3			CA102RA	CP102HA	FS503BA	ZBI0, A
X10RC5			CA152AA	CP102KA	FS503CA	thru
X10RC7			CA152BA	CP102MA	FS503DA	ZB13, A
X10RC10			CA152DA	CP102PA	FS503EA	ZBI5, A
X10RC15			CA152FA	CP102RA	FS503FA	ZB16, A
			CA152HA	CP152AA	FS503GA	ZB18, A

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



ITT Comp. (cont.)	ITT Comp. (cont.)	Kemtron (cont.)	Kemtron (cont.)	Kobe Kogyo	Micr. Ass. (cont.)
ZB20, A	ZK39, A	1N53, A	1N298	1NA1	1N415E
ZB22, A	ZK43, A	thru	1N299	1NA2	1N416B
ZB24, A	ZK47, A	1N58, A	IN305	1NA3	1N416C
ZB27, A	ZK51, A	IN60, A-	thru	1NA4	1N416D
ZB30, A	ZK56, A	1N61	1N307	1NA5	1N416E
ZB33, A	ZK62, A	1N63	IN309	1NA6	1N630
ZB36, A	ZK68, A	1N64, A	1N310	1NA7	1N830, A
ZB39, A	ZK75, A	IN65--	1N312	1NA9	1N831, A
ZB43, A	ZK82, A	IN66, A-	1N313	1NJ11	1N832
ZB47, A	ZK91, A	thru	IN332	1NJ12	1N833
ZB51, A	ZK100, A	1N70, A	thru	KV1	IN903--
ZB56, A	ZT3.9, A	IN71--	1N349	KV2	thru
ZB62, A	ZT4.7, A	thru	IN367		1N908
ZB68, A	ZT5.6, A	1N76	IN368		IN920-
ZB75, A	ZT6.2, A	IN78A	1N415B, C, D, E		1N921
ZB82, A	ZT6.8, A	1N78, A	1N416B, C, D, E		1N1610
ZB91, A	ZT7.5, A	1N79	1N435		1N1611A
ZB100, A	ZT8.2, A	1N81, A	IN440, B--		1N2102
ZG3.9, A	ZT9.1, A	1N82, A	thru		1N2127
ZG4.7, A	ZT10, A	1N86	1N445, B		1N2509
ZG5.6, A	ZT11, A	1N87, A	IN452-		1N2771
ZG6.2, A	ZT12, A	1N88	thru		1N3123
ZG6.8, A	ZT13, A	1N89	1N455--		1N3124
ZG7.5, A	ZT15, A	1N90	IN530--		1N3143
ZG8.2, A	ZT16, A	IN95-	thru		MA408, A
ZG9.1, A	ZT18, A	thru	1N540		MA412
ZG10, A-	ZT20, A	1N100	IN547-		MA414
thru	ZT22, A	IN96A-	IN550-		MA418, A, B
ZG13, A	ZT24, A	1N97A	thru		MA419, A
ZG15, A--	ZT27, A	thru	1N555		MA421A, B
ZG16, A	ZT30, A	1N100A	IN560-		MA423A
ZG18, A	ZT33, A	INI05--	thru		MA425
ZG20, A	ZT36, A	1N107	1N563		MA426
ZG22, A	ZT39, A	1N109	IN599, A		MA428
ZG24, A	ZT43, A	INI11-	thru		MA435
ZG27, A	ZT47, A	thru	1N614, A		MA439
ZG30, A	ZT51, A	1N115	IN695-		MA440, A, B
ZG33, A	ZT56, A	INI16, A	thru		MA441
ZG36, A	ZT62, A	1N117, A	1N830, A		MA443, A, B
ZG39, A	ZT68, A	1N118, A	1N832		MA444, A, B
ZG43, A	ZT75, A	1N126, A	1N833		MA444C, D
ZG47, A	ZT82, A	1N127, A	1N1095		MA445, A, B
ZG51, A	ZT91, A	INI28, A-	1N1096		MA446C, D
ZG56, A	ZT100, A	1N132	INI100-		MA449B, C
ZG62, A		1N133	thru		MA449D, E, F
ZG68, A		1N134	1N1105		MA450A, B
ZG75, A		1N139	INI115		MA450E, F
ZG82, A		1N140	thru		MA450G, H
ZG91, A		1N142	1N1118		MA451A, B
ZG100, A		1N143	INI139		MA451C, D
ZK3.9, A		1N144	1N1141		MA451E, F
ZK4.7, A		1N145	1N1143		MA458B, C, D
ZK5.6, A		1N149	1N1144		MA459B, C, D
ZK6.2, A		1N150	INI146-		MA460A, B
ZK6.8, A		1N160	thru		MA460C, D
ZK7.5, A		1N198	1N1149		MA460E, F
ZK8.2, A		IN253	INI611A		MA460G, H
ZK9.1, A		thru	INI692-		MA461, A, B
ZK10, A		1N256	thru		MA462
ZK11, A		IN265-	1N1695		MA4202X
ZK12, A		thru	INI730-		MA4203X
ZK13, A		1N268	thru		MA4230
ZK15, A		IN270-	1N1734		MA4245
ZK16, A		1N273	IN2771-		MA4252
ZK18, A		IN276-			MA4253--
ZK18, A		thru			thru
ZK20, A		1N279			MA4261
ZK22, A		IN281-			MA4280--
ZK24, A		1N283			thru
ZK27, A		1N294			MA4292
ZK30, A		1N295			
ZK33, A		1N297			
ZK36, A					

**P. R. Mallory**

**Matsushita**

**Microwave Assoc.**

**MicroSemicon**

# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



MicroSemicon (cont.)	Motorola (cont.)	Motorola (cont.)	Motorola (cont.)	Motorola (cont.)	Motorola (cont.)	Nippon (cont.)	N. Amer. (cont.)
MC482A thru	3/4M6.8Z	1N823, A	1N2984, A, B	10M175Z	GSB1A, B	1N530	
MC488A	3/4M7.5Z	1N825, A	1N2985, A, B	50M52Z	RD5A, B, C	thru	
MC625--	3/4M8.2Z	1N827, A	1N2986, A, B	50M140Z	RD6A, B, C	1N540	
MC643	3/4M9.1Z	1N935, A, B	1N2988, A, B	50M175Z	RD7A, B, C	1N547--	
MC658	3/4M10Z--	thru	thru	MR31Z--	RD9A, B, C	1N550--	
MC659	thru	1N939, A, B	1N2993, A, B	thru	RD11A, B, C	thru	
MC662	3/4M20Z	1N941, A, B	1N2995, A, B	MR316	RD13A, B, C	1N555	
MC663	3/4M22Z--	thru	1N2997, A, B	MR32Z--	RD16A, B, C	1N560--	
MC906	3/4M24Z	1N945, A, B	1N2999, A, B	thru	RD19A, B, C	thru	
MC907	3/4M25Z	1N957, A--	thru	MR326	RD24A, B, C	1N563	
MC908	3/4M27Z	thru	1N3005, A, B		RD29A, B, C	1N568--	
MC914	3/4M30Z	1N992, A	1N3007, A, B		RD35A, B, C	1N589	
MC916	3/4M33Z	1N1095---	1N3008, A, B	<b>Mullard</b>	SD11F--	1N599, A	
MC916	3/4M36Z	1N1096	1N3009, A, B	OA5	SD12B	thru	
MC928	3/4M39Z	1N1100--	1N3011, A, B	OA7	SD12E	1N614, A	
	3/4M43Z	thru	1N3012, A, B	OA10	SD12M--	1N1095	
	3/4M45Z	1N1105	1N3014, A, B	OA31	SD13--	1N1096	
	3/4M47Z	1N1115--	1N3015, A, B	OA47	thru	1N1100--	
	3/4M50Z	thru	1N3016, A--	OA70	SD18	thru	
	3/4M52Z	1N1120	thru	OA71	SD21, A--	1N1105	
	3/4M56Z	1N1169--	1N3051, A	OA73--	SD34	1N1115--	
	3/4M62Z	1N1217, A	1N3154, A--	OA74	SD38	thru	
	3/4M68Z	thru	thru	OA79	SD46-----	1N1120	
	3/4M75Z	1N1224, A	1N3156, A	OA81	SD54	1N1124--	
	3/4M82Z	1N1225	1N3157--	OA85	SD56	thru	
	3/4M91Z	1N1226	1N3208--	OA86	SD60	1N1128	
	3/4M100Z	1N1351--	thru	OA90	SD101-----	1N1130--	
	3/4M105Z	thru	1N3212	OA91	thru	1N1131	
	3/4M110Z	1N1375	1.5M6.8Z--	OA95	SD104	1N1133--	
	3/4M120Z	1N1443--	1.5M7.5Z	OA200	SD111-----	thru	
	3/4M130Z	1N1487--	1.5M8.2Z	OA202	SH5A	1N1149	
	3/4M140Z	thru	1.5M9.1Z	OA210	VD11	1N1143A	
	3/4M150Z	1N1492	1.5M10Z--	OA211	VD12	1N1183--	
	3/4M175Z	1N1537--	thru	OA214	VD13	thru	
	3/4M200Z	thru	1.5M20Z	OA220--		1N1206	
	1M14Z	1N1544	1.5M22Z--	thru	<b>North American</b>	1N1217, A	
	1M17Z	1N1563, A	1.5M24Z	OA2213	1N137A, B	thru	
	1M19Z	thru	1.5M25Z	ORP10--	1N138A, B	1N1224, A	
	1M25Z	1N1566, A	1.5M27Z	ORP11	1N200--	1N1225--	
	1M45Z	1N1602--	1.5M30Z		thru	1N1226	
	1M50Z	thru	1.5M33Z--		1N222	1N1227, A	
	1M52Z	1N1609	1.5M36Z		1N225--	thru	
	1M105Z--	1N1652--	1.5M39Z		thru	1N1234, A	
	1M140Z	thru	1.5M43Z		1N233	1N1235--	
	1M175Z	1N1697	1.5M45Z--		1N248, A	1N1236	
	1N253--	1N1806--	1.5M47Z--		1N249, A	1N1251--	
	thru	thru	1.5M50Z		1N250, A	thru	
	1N256	1N1836	1.5M52Z		1N253--	1N1261	
	1N33Z--	1N2041, A, B	1.5M56Z		thru	1N1313--	
	thru	thru	1.5M62Z		1N256	1N1322	
	1N349	1N2049, A, B	1.5M68Z		1N316--	1N1341--	
	1N440, B--	1N2043C--	1.5M75Z		thru	thru	
	thru	1N2044C, D	1.5M82Z		1N320	1N1348	
	1N445, B--	1N2048C--	1.5M91Z		1N323--	1N1351	
	1N538--	thru	1.5M100Z		thru	thru	
	thru	1N2049C--	1.5M105Z--		1N327	1N1369	
	1N540	1N2610--	1.5M110Z		1N33Z--	1N1434	
	1N547--	thru	1.5M120Z		thru	thru	
	1N562Z	1N2617	1.5M130Z		1N354	1N1438	
	1N568Z	1N2820, A, B	1.5M140Z		1N355--	1N1443--	
	1N575Z	thru	1.5M150Z		thru	1N1444	
	1N591Z	1N2624, A, B	1.5M175Z		1N363	1N1487--	
	1N591Z	1N2804, A--	1.5M200Z--		1N429--	thru	
	1N6100Z	thru	10M14Z--		1N430, A, B	1N1492	
	1N6105Z	1N2846, A	10M17Z		1N440, B--	1N1507, A	
	1N6110Z	1N2870, A, B--	10M19Z		thru	thru	
	1N6120Z	thru	10M25Z		1N445, B--	1N1528, A	
	1N6130Z	1N2977, A, B	10M45Z		1N465--	1N1537--	
	1N6140Z	1N2979, A, B	10M52Z		thru	thru	
	1N6150Z	1N2980, A, B	10M105Z		1N475	1N1544	
	1N6175Z	1N2982, A, B	10M140Z				
	1N6200Z						

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



N. Amer. (cont.)	N. Amer. (cont.)	N. Amer. (cont.)	N. Amer. (cont.)	Nucleonic (cont.)	Ohmite (cont.)	
IN1581 thru IN1587 IN1588,A thru IN1609,A IN1692 thru IN1695 IN1701 thru IN1712 IN1736 thru IN1735 IN1736,A thru IN1742,A IN1745 thru IN1762 IN1785 thru IN1786 IN1803 thru IN1808 IN1818 thru IN1828 IN2013 thru IN2040 IN2041,A thru IN2045,A IN2043B thru IN2049B IN2043C IN2044C,D IN2046,A,C thru IN2049,A,C IN2154 thru IN2160 IN2451 thru IN2497 IN2501 thru IN2508 IN2512 thru IN2517 NA1 NA2 NA3 NA5 NA11 NA12 NA13 NA21 NA22 NA23 NA25 NA31 NA32 NA33 NA35	NA41 NA42 NA43 NA45 NA46 NA51 NA52 NA53 NA55 NA56 NA61 NA62 NA63 NA65 NA66 NA74 NA75 NA76 NA84 NA85 NA88 NA104 NA105 NA106 NA124 NA125 NA126 NA150, R NA151 NA152 NA155 NA156 NA603 NA605 NA610 NA615 NA620 NA630 NA640 NA650 NA660 NA0305 NA0310 NA0320 NA0505 NA0520 NA0535 NA1005 NA1035 NA1203 NA1205 NA1210 NA1215 NA1220 NA1230 NA1240 NA1250 NA1260 NA1505 NA1510 NA1520 NA1535 NA2005 NA2035 NA2505 NA2510 NA2520 NA2535 NA3005 NA3010 NA3020	NA3035 NA3505 NA3510 NA3520 NA3535 NA4005 NA4010 NA4020 NA4035 NA5010 NA5020 NA5035 NA6010 NA6020 NA6035 NCR025D,E NCR050D,E NCR100D,E NCR150D,E NCR200D,E NCR250D,E NCR300D,E NCR400D,E NL5 NL10 NL15 NL20 NL25 NL30 NL40 NL50 NL60 NP50A NP60A PR410 thru PR420 PR422 PR424 PR425 PR427 PR430 PR433 PR436 PR439 PR504 thru PR525 PR544 PR545 PR546 PR604 thru PR625 PR644 PR645 PR646 PR704 thru PR706 PR708 PR710 PR712 PR715 PR718 PR724 PR804 PR805 PR806 PR808 PR810	PR812 PR815 PR818 PR824 TC710, A TC810,A,B,C TC1510, A  <b>Nucleonic Prods.</b>  IN34, A IN38, A IN39, A IN43 thru IN48 IN51 IN52 IN54, A IN55, A IN57 IN58, A IN59 IN60 IN61 IN63 thru IN70 IN68A thru IN70A IN75 IN81 IN82 IN88 thru IN90 IN98A IN111 thru IN116 IN118A IN119 IN120 IN126, A IN127, A IN128 IN139 IN140 IN142 IN145 IN147 IN191 IN192 IN198 IN273 IN276 IN277 IN279 IN281 IN292 IN294 IN295 IN297 IN309 IN452 IN476 IN477 IN541 IN542 IN616	IN617 IN636 IN805 KF11 PHG1 PHG2 PR4 PR5 PR7 TP5 TP50 TP55 TP60  <b>Ohio Semicon.</b>  HP310 HP315 HR31 HS51 MC1 MC11 MC21 MS41 PC5 PC500 TA11 TA20  <b>Ohmite</b>  IN34, A IN35 IN36 IN38, A, B IN39, A, B IN40 thru IN51 IN52, A IN54, A IN55, A, B IN56, A IN57 IN58, A IN59 IN60, A IN61 thru IN67 IN67A IN68, A IN69, A IN70, A IN71 IN73 IN74 IN75 IN81, A IN83 IN84 IN86 IN87A IN88 IN89 IN90 IN95 IN98, A thru IN100, A	IN101 thru IN104 IN107 IN108 IN111 thru IN120 IN118A IN117A IN118A IN126, A IN127, A IN128, A IN132 IN135 IN139 thru IN145 IN175 IN191 IN192 IN198, A IN265 thru IN268 IN270 IN273 IN276 thru IN279 IN281 IN283 IN287 thru IN292 IN294 IN295 IN297, A IN298, A IN304 thru IN310 IN312 IN313 IN314 IN366 IN367 IN417 IN418 IN419 IN435 IN447 thru IN455 IN476 thru IN480 IN490 IN497 thru IN502 IN527 IN527 IN541 IN542 IN588 thru IN569 IN571 IN616 IN617	IN631 thru IN636 IN695 IN698 IN699 IN770 IN771, A, B IN772, A IN773, A IN774, A IN775 IN776 IN805 IN1093 OMC113 OMC118 OMC213 OMC218 OMC351  <b>Pacific Semicon.</b>  IN430, A IN456, A thru IN459, A IN457M IN458M IN459M IN461, A thru IN464, A IN482, A thru IN488, A IN482B thru IN486B IN588 IN589 IN625 thru IN629 IN643, A, M IN645 thru IN649 IN655, M IN659 IN660 IN661 IN662, A IN663, A, M IN676 thru IN679 IN681 thru IN687 IN689 IN702 thru IN725 IN746, A thru IN759, A IN761 thru IN769



# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



PSI (cont.)	PSI (cont.)	PSI (cont.)	Philips (cont.)	Philips (cont.)	Princeton (cont.)	Radio Dev. & Res.	Radio Receptor (cont.)				
IN789 thru IN804 IN897- thru IN908 IN812- IN913 IN914, M IN916 IN825- thru IN928 INI133 thru IN1149 INI143A INI1313- thru IN1327 INI730- thru IN1734 IN2382- thru IN2385 IN2785,A thru IN2770,A IN3052- thru IN3061 IN3257- IN3258 PC112-10 PC113-22 PC114-47 PC115-10 PC116-22 PC117-47 PC122-47 PC132-10 PC133-22 PC134-47 PC135-10 PC136-22 PC137-47 PD1 PD021 PD031 PD034 PD041 PD042 PD101- thru PD115 PD122- thru PD135 PD301- thru PD311 PD400- PM1 PM021 PM031 PM034 PM041 PM042 PS005- PS010 PS015	PS020 PS025 PS030 PS035 PS040 PS050 PS060 PSI05- PS110 PS115 PS120 PS125 PSI30- PS135 PS140 PS150 PS160 PSI05- PS410 PS415 PS420 PS425 PS430- PS435 PS440 PS450 PS460 PS592G PS594 PS595 PS603 PS604 PS605 PS609 PS610- PS611 PS615 PS616 PS617 PS621- PS622 PS623 PS627 PS628 PS629- PS632 PS633 PS636 PS637 PS645,G PS700- thru PS705 PS720- thru PS724 PSI140 thru PS1148 PSI171 thru PS1177 PSI421 thru PS1426 PSI441 thru PS1460 PSI501,A thru PS1510,A	PS2207 PS2208 PS2209 PS2245- thru PS2249 PS2345- thru PS2360 PS2411- thru PS2419 PS2422- thru PS2430 PS6313 thru PS6327 PS6485- thru PS6470 PS7287- thru PS7270 V77,E- V10,E V12,E V15,E V20,E V27,E V33,E V39,E V47,E V56,E V68 V82 V100	OA73 OA79 OA81 OA85 OA86 OA90 OA91 OA92 OA95 OA200 OA202 OA210 OA211 OA214 OAZ200- thru OAZ213	<b>Plessey</b> 1G8 1M4 2G8 2M4 3G8 4G8- 4M4 5G8 6G8 6M4 8G7- 10AS 10G4 12G4 20AS 40AS 60AS 80AS DI003- D1010 D2003 D2010 D4003 D4010	<b>Princeton Electr.</b> IN251 IN440,B thru IN445,B IN458,A- thru IN459,A IN461,A- thru IN464,A IN482,A,B thru IN486,A,B IN487,A- IN488,A IN625 IN626 IN628 IN629 IN643,A IN645 IN648 IN649	IN658 thru IN663 IN678- thru IN679 IN681- thru IN687 IN689- IN789- thru IN804 IN839- IN891 IN892 IN893 IN903 IN908 IN914 IN916 IN925- IN928	<b>Radio Corp. Amer.</b> IN248C IN249C IN250C IN440B- thru IN445B IN538- thru IN540 IN547- IN1095 INI195A thru IN1198A IN1764 IN2326 IN2858- thru IN2864 IN3128- IN3129 IN3130 IN3138 IN3193- thru IN3196 8894A- 6957 7163 7223 7412 7467 7536 7846 TA1080 thru TA1064 TD100- thru TD111	IN254 IN255 IN256 IN318A thru IN329A IN332- thru IN337 IN339- thru IN349 IN359,A thru IN363,A IN364A- IN365,A IN440,B- thru IN445,B IN533- thru IN540 IN547- IN550- thru IN555 IN562 IN563 IN603,A thru IN614,A INI040- thru IN1044 INI095 IN1096 INI100- thru IN1105 INI115- thru IN1120 IN1488 IN1489 IN1490 IN1491 IN1492 INI551 thru IN1560 IN2081 thru IN2084 2S760A- 4SS20	<b>Radio Receptor</b> 7GH 7XH 8GH 8XH AS2X1E AS3X2E AS4X2E AS5X3E AS6S3E AS6X4E AS7X5E AS8X4E AS8X6E	<b>Radiotechnique</b> OA47 OA70 OA71 OA73 OA74 OA79 OAS5- OA86 OA90 OA250 OA251 OA252 OAP12	<b>Raytheon</b> IN60, A IN63A IN66, A IN67, A IN68, A IN89 IN90 IN95 IN97 IN99 IN116 IN117 IN126, A IN127, A IN128, A IN191 INI92- IN198, A IN248A IN249A IN250A IN253- thru IN256 IN270- IN273 IN276 IN277 IN281 IN283 IN294, A IN295, A IN297, A IN298, A IN300, A, B IN301, A, B IN302, A, B IN303, A, B

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



<p><b>Raytheon (cont.)</b></p> <p>IN305 IN306 IN307 IN332-- thru IN337 IN339-- thru IN346 IN348-- IN349 IN432, A, B IN433, A, B IN434, A, B IN440, B-- thru IN445, B IN460, A, B IN538-- thru IN540 IN547-- IN550-- thru IN555 IN599, A thru IN614, A IN645-- thru IN649 IN676-- thru IN679 IN681-- thru IN687 IN689-- IN1095 IN1096 IN1100 thru IN1105 IN1115 thru IN1120 IN1124 thru IN1128 IN1151A thru IN1194A IN1195-- thru IN1198 IN1487-- thru IN1492 IN1852-- thru IN1897 IN1763-- IN1764 IN2512-- thru IN2523 IN2847-- thru IN2852 IN2858-- thru IN2864</p>	<p><b>Raytheon (cont.)</b></p> <p>CK709 CK711 CK717 CK719 CK848-- thru CK851 CK863, A, B CRI101-- thru CK1104 ME1-- MX7 QK748 QKN884</p> <p><b>Rheem</b></p> <p>IN251, A IN252, A IN456, A-- thru IN464, A IN482, A-- thru IN488, A IN482B-- thru IN486B IN482C-- thru IN485C IN619-- IN622 IN625, A thru IN629, A IN643, A IN645-- thru IN649 IN645B IN658, A thru IN663, A IN676-- thru IN679 IN681-- thru IN687 IN689-- IN778-- thru IN779 IN789-- thru IN804 IN808-- thru IN809 IN811-- thru IN815 IN818-- IN837-- thru IN853 IN837A--</p>	<p><b>Rheem (cont.)</b></p> <p>IN857 thru IN864 IN868-- thru IN875 IN879-- thru IN886 IN891-- IN892 IN893 IN903, A thru IN908, A IN914, A-- IN916, A IN920-- thru IN928 IN934-- IN997 RI356-- thru RD1359 RD2121-- thru RD2124 RD2266--</p> <p><b>Rogers El. Tubes</b></p> <p>IN34, A IN38, A, B IN69, A IN70, A IN126, A IN198 IN281 IN281, A-- IN458, A-- thru IN459, A-- IN461, A-- thru IN464, A IN780-- IN788</p> <p><b>Rudolph Rost</b></p> <p>GW20 GW40 GW60 GW80 GW102 GW103-- GW106 GW107 GW108 GW120 S11 S15 S110 ST10 ST20 ST50</p>	<p><b>Sarkes Tarzian</b></p> <p>IN708 thru IN738 IN1028-- thru IN1079 IN1081-- thru IN1092 IN1108-- thru IN1113 IN1133-- thru IN1149 IN1143A IN1150A IN1157-- thru IN1168 IN1171-- thru IN1182 IN1237-- IN1238 IN1239 IN1262-- IN1263, A thru IN1270, A IN1351-- thru IN1375 IN1817-- thru IN1624 IN1730-- thru IN1734 IN1803-- thru IN1808 IN2089-- IN2070 IN2071 IN2373-- thru IN2385 IN2389-- IN2482-- thru IN2490 IT578-- IT6.2 IT6.8 IT7.5 IT8.2 IT9.1 IT10 IT11 IT12 IT13 IT15 IT16 IT18 IT20 IT22 IT24 IT27 IT30 IT33</p>	<p><b>Sarkes (cont.)</b></p> <p>1T36 1T39 1T43 1T47 1T51 1T56 1T62 1T68 1T75 1T82 1T91 1T100 2F4-- 5G3N 5H 5J3P 5Q3 5R3P 5S3P 5T3P 5V3P 5W3P 5X3P 5Y3P 60G3N 10H 10J3P 10Q3 10R3P 10S3P 10T3P 10V3P 10W3P 10X3P 10Y3P 10ZB 15Q3 20G3N 20J3P 20Q3 20R3P 20S3P 20T3P 20V3P-- 20W3P 20X3P 20Y3P 20ZB 30J3P 30Q3 30R3P 30S3P 30T3P-- 30V3P-- 30W3P 30X3P 30Y3P 40J3P 40Q3 40Q4 40R3P 40RAP 40S3P-- 40T3P 40SAP 40T3P 40V3P 40VAP 40W3P 40WAP</p>	<p><b>Sarkes (cont.)</b></p> <p>40X3P 40XAP 40Y3P 50J1 50J2 50J3 50LA 50M 50R3P 50S3P 50T3P 50V3P 50W3P 50X3P 50Y3P 60J1 60J2 60J3 60LA 60M 60R3P 60S3P 60T3P 60V3P 60W3P 60X3P 60Y3P M150 S5130 S5162 S5343 S5347 VR6 VR6.5 VR10 VR12 VR14 VR18 VR20 VR24 VR28 VR33 VR39 VR47 VR56 VR67 VR80 VR90 VR105</p> <p><b>Semicon</b></p> <p>IN253 thru IN256 IN332-- thru IN349 IN440, B thru IN445, B IN482TH thru IN488TH IN530-- thru IN540 IN547-- IN550-- thru IN555</p>	<p><b>Semicon (cont.)</b></p> <p>IN560 thru IN563 IN596-- IN597 IN598 IN599, A thru IN614, A IN645TH thru IN649TH IN1095-- IN1096 IN1100-- thru IN1105 IN1115-- thru IN1120 IN1124-- thru IN1128 IN1189, A IN1217, A-- thru IN1224, A IN1225-- IN1226 IN1227, A-- thru IN1234, A IN1235-- IN1236 IN1443 IN1444 IN1488-- thru IN1492 IN1537-- thru IN1544 IN1558-- thru IN1560 IN1644-- thru IN1653 IN1692-- thru IN1695 IN1763-- IN1764 IN2028-- thru IN2031 IN2080-- thru IN2086 IN2217 IN2219 IN2221 IN2223, A IN2225, A IN2227, A IN2229, A IN2231, A IN2233, A IN2235, A IN2237, A IN2239, A</p>
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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Semicon (cont.)	Semicon (cont.)	Semi-El. (cont.)	Semi-El. (cont.)	Semi-El. (cont.)	Shockley (cont.)	Siemens (cont.)
IN2241, A	SM15A	IN139	IN497	IN2115	4D20-12	GD73E/5
IN2243, A	SM20A	thru	thru	IN2373	4D20M-12	GD74E/3
IN2267	SM25A	IN145	IN500	IN2374	4D20-30	GD74E/4
IN2269	SM30A	IN191---	IN531---	IN2501	4D20M-30	GD74E/5
IN2271	SM35A	IN192	IN536---	IN2502	4D30-3	RL31
IN2285, A	SM40A	IN194, A	thru	IN2505	4D30M-3	RL32
thru	XS10	IN195	IN542	IN2506	4D30-12	RL34
IN2293, A	XS12	IN196	IN550---	IN2510	4D30M-12	RL41
IN2512	XS16, A	IN198, A	IN552	thru	4D30-30	thru
thru	XS17, A	IN209	IN553	IN2615	4D30M-30	RL44
IN2556	XS18	thru	IN554	DC7, A, B, C, D	4D40-3	RL232, B
IN2558	XS22	IN214	IN616	MC7, A, B, C, D	4D40M-3	RL246
thru	XS23, A	IN268	IN617	SC7C, D	4D40-12	RL247
IN2864	XS31	IN270	IN618		4D40M-12	SD5
SI0, A	XS40A	IN273	IN625		4D40-30	SD7
SI2		IN276	IN626		4D40M-30	SD15
thru		IN279	IN627		4D50-3	SD30
S23		IN281	IN632		4D50M-3	SD50
SI6A, B		IN287	IN634		4D50-12	SD80
S17A		thru	IN636		4D50M-12	SD120
S18A, B		IN292	IN676		4D50-30	SD200
S19A		IN294, A	thru		4D50M-30	SZ8
S22A		IN295	IN679		4D80-3	thru
S23A		IN297, A	IN681		4D80M-3	SZ20
S24		IN298, A	thru		4D80-23	SZL8
S26		IN302	IN687		4D80M-23	thru
S27		IN304	IN689		4D120-3	SZL10
S28		IN305	IN773, A		4D120M-3	TP50
S28I		IN307	IN774, A		4D120-23	TP55
S30		IN309	IN775		4D120M-23	TP60
thru		IN310	IN776		4D200-3	
S39		IN312	IN805		4D200M-3	
S40, A		IN313	IN1028		4D200-23	
S43		IN314	thru		4D200M-23	
thru		IN316	IN1033		4D200M-23	
S63		thru	IN1084		4G50	IN456
S71		IN320	IN1081		4G50M	thru
S72		IN319A	thru		4G100	IN459
S73		IN320A	IN1095		4G100M	thru
S75		IN322A	IN1096		4G200	IN464
thru		IN323	IN1108		4G200M	IN482, A
S79		thru	IN1169, A		4J100-5	thru
S81		IN327	IN1251		4J100M-5	IN487, A
thru		IN323A	thru		4J100-25	IN482B
S86		IN326A	IN1258		4J100M-25	thru
S91, A, B		IN327A	IN1406		4J200-5	IN485B
S92, A		IN329A	thru		4J200M-5	IN625
S93, A		IN355	IN1408		4J200-25	thru
S95		IN359	IN1413		4J200M-25	IN629
SI00		thru	IN1488			IN643
thru		IN363	thru			IN645
S108		IN363A	IN1492			thru
S200		IN364A	IN1844			IN649
thru		IN365A	thru			IN658
S206		IN434	IN1853			IN662
S208		IN440, B	IN1852			IN663
S210		IN441, B	thru			IN650
S217		IN443, B	IN1697			thru
thru		IN444, B	IN1701			IN693
S224		IN447	thru			IN708
S229		thru	IN1706			thru
thru		IN450	IN1763			IN720
S236		IN452	IN1764			STC101
S238		thru	IN2089			thru
thru		IN455	thru			STC108
S243		IN483	IN2086			STC135
S250		IN476	IN2090			STC235
thru		IN477	thru			
S258		IN478	IN2096			
S280		IN479	IN2103			
SM5A			thru			
SM10A			IN2108			

**Shindengen Elec.**

G50E  
S2A10  
S2A20  
S2A30  
S2A40  
S2A50  
S2A60  
S2A80  
S2A100  
S5B10  
S5B20  
S5B30  
S5B40  
S5B50  
S5B60  
S5B80  
S5B100  
S8B10  
S8B20  
S8B30  
S8B40  
S8B50  
S8B60  
S8B80  
S8B100  
S16B10  
S16B20  
S16B30  
S16B40  
S16B50  
S16B60  
S16B80  
S16B100

**Shockley**

4AD20-5  
4AD20M-5  
4AD20-25  
4AD20M-25  
4AD30-5  
4AD30M-5  
4AD30-25  
4AD30M-25  
4AD40-5  
4AD40M-5  
4AD40-25  
4AD40M-25  
4AD50-5  
4AD50M-5  
4AD50-25  
4AD50M-25  
4D20-3  
4D20M-3

**Siemens & Halske**

BA103  
BA104  
BA105  
BA108  
GD1E  
GD1P  
GD1Q  
GD2E  
thru  
GD6E  
GD8E  
GD11E  
GD12E  
GD13E  
GD72E/3  
GD72E/4  
GD72E/5  
GD73E/3  
GD73E/4

**Silicon Trans.**

IN456  
thru  
IN459  
IN481  
thru  
IN464  
IN482, A  
thru  
IN487, A  
IN482B  
thru  
IN485B  
IN625  
thru  
IN629  
IN643  
IN645  
thru  
IN649  
IN658  
IN662  
IN663  
IN650  
thru  
IN693  
IN708  
thru  
IN720  
STC101  
thru  
STC108  
STC135  
STC235

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Sylvania (cont.)	Syntron	Syntron (cont.)	Syntron (cont.)	Syntron (cont.)	Telefunken	TII-US (cont.)
IN643A	IN248,A	IN1660	2130	5040	AAZ10	IN746,A
IN658	IN249,A	thru	2135	5I05----	BA101	thru
IN659	IN250,A	IN1665	2150	5110	CAI2875	IN759,A
IN695	IN253---	IN1670---	2160	5115	thru	IN781---
IN770	thru	thru	2170	5120	OA126/12-	thru
IN805	IN256	IN1674	2180	5125	CAI28714-	IN766
IN816	IN332---	IN1692---	2210---	5130	OA126/18-	IN914,A,B
IN830-	thru	thru	2220	5135	CAI27---	IN915
thru	IN349	IN1695	2230	5140	thru	IN916,A,B
IN833	IN440B-	IN2021---	2240	B205----	OA132	IN917
IN836A	thru	thru	2310	B210	CAI50-	IN1095
IN831A	IN445B	IN2025	2320	B220	OA159	IN1096
IN903-	IN535-	IN2028---	2330	B230	OA160	IN1100-
thru	thru	thru	2340	B240	OA161	thru
IN908	IN540	IN2031	3I05---	B305	OA172	IN1105
IN914,A	IN547-	IN2054---	3110	B310	CAI79-	IN1115-
IN916,A	IN560	thru	3115	B320	OA180	thru
IN918	IN561	IN2061	3120	B330	OA182	IN1120
IN933	IN595,A-	IN2128---	3125	B340	OA186	IN1124,A
IN949	thru	thru	3130	B505		thru
IN997	IN614,A	IN2137	3135	B510		IN1128,A
IN1093	IN1084---	IN2154---	3140	B520		IN1130-
IN1095	thru	thru	3150	B530		IN1131
IN1096	IN1069	IN2160	3160	B540		IN1487
IN1132	IN1095-	IN2228---	3170			thru
IN1560	IN1096	IN2230	3180			IN1492
IN1610	IN1100-	IN2232	3205----			IN1581-
IN1611,A	thru	IN2234	3210			thru
IN1652---	IN1103	IN2236	3215			IN1587
thru	IN1115-	IN2238	3220			IN1595-
IN1695	thru	IN2240	3225			thru
IN2069-	IN1118	IN2246	3230			IN1604
IN2070	IN1183-	IN2248	3235			IN1612
IN2071	thru	IN2250	3240			thru
IN2127,A	IN1206	IN2252	3250			IN1616
IN2510	IN1217,A	IN2256	3260			IN1692-
IN2782	thru	IN2258	3270			thru
IN2926, A	IN1224,A	IN2260	3280			IN1697
IN3125	IN1225---	IN2266	3305----			IN1816,A,C
IN3205	thru	IN2282---	3310			thru
D1114-----	IN1236	thru	3315			IN1836,A,C
D1248	IN1227A-	IN2286	3325			IN2008,A,C
D1820	thru	IN2294---	3330			thru
D4070	IN1234A	thru	3335			IN2012,A,C
D4074	IN1304---	IN2325	3350			IN2089
D4075,A,B,C,D	IN1341	IN2491---	3360			IN2070
D4075E,F,G,H	thru	thru	3370			IN2071
D4081, A	IN1348	IN2497	3380			IN2117
D4084, A	IN1396-	IN2784---	4005			IN2175
D4089	thru	thru	4010			IN2498,A,C
D4092	IN1401	IN2789	4015			thru
D4103	IN1434-	III0-	4020			IN2500,A,C
D4109	thru	1120	4025			IN2878
D4110,A,B,C,D	IN1438	1130	4030			thru
D4110E,F,G,H	IN1487-	1140	4035			IN2925
D4115,A,B	thru	2005	4040			2N1595-
D4121	IN1492	2010	4105			thru
D4140,A,B	IN1537-	2015	4110			2N1604
D4140C,D,E	thru	2020	4115			800C
D4141,A,B	IN1544	2025	4120			601C
D4141C,D,E	IN1581-	2030	4125			604C
D4188C,D	thru	2035	4130			606C
SDV4166	IN1587	2040	4135			608C
SR200	IN1612-	2050	4140			610C
SR500	thru	2060	5005----			612C
	IN1616	2070	5010			614C
	IN1621-	2080	5015			616C
	thru	2I05--	5020			618C
	IN1624	2110	5025			620C
		2115	5030			622C
		2125	5035			624C

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



<p><b>TI-US (cont.)</b></p> <p>650C 650C0 650CI-- thru 650C7 651C-- 651C0 651CI-- thru 651C9 652C-- 652C0 652CI-- thru 652C9 653C-- 653C0 653CI-- thru 653C9 654C9-- 655C9-- E84-- thru E89 E140-- thru E145 E261-- E262-- G129-- G130 LS221 LS222 LS223 M2000 M3000 N2009 TI010 TI025 TI050 TI2 TI4 TII16-- thru TI118 TII18-- thru TI138 XA650-- thru XA653 XD500-- thru XD503</p> <p><b>Tex. Inst. Engl.</b></p> <p>IN538 IN539 IN540 IN645 IN647 IN649 IN747-- thru IN758 INI095 IN1096</p>	<p><b>TI-Engl. (cont.)</b></p> <p>IN1124 thru IN1128 INI817,A,C thru IN1836,A,C IN2008,A,C thru IN2012,A,C IS001-- thru IS005 ISIII thru IS115 IS121 IS207 thru IS218 IS301 IS302 IS303 IS401 thru IS405 IS501 thru IS516 IS600-- thru IS604 IS610-- thru IS614 IS701 IS704 IS914 IS916 IS5015,A,C-- IS5016,A,C IS5018,A,C IS5020,A,C IS5022,A,C IS5024,A,C IS5027,A,C IS5030,A,C IS5033,A,C IS5036,A,C IS5039,A,C IS5043,A,C IS5047,A,C IS5051,A,C IS5056,A,C IS5062,A,C IS5068,A,C IS5075,A,C IS5082,A,C IS5091,A,C IS5100,A,C IS5110,A,C IS5120,A,C IS5130,A,C IS5150,A,C XB8C XB8E</p>	<p><b>Texas Research</b></p> <p>SERI</p> <p><b>Toho Sanken</b></p> <p>GPIF GPIK GPIN MPI3-- thru MPI8 SP2-- TH083-- thru TH088 TH203-- thru TH208 TH803-- thru TH808</p> <p><b>Tokyo Shibaura</b></p> <p>IN39A IN60 IS20 IS32-- thru IS35 IS48-- thru IS58 IS71-- IS72 IS73 IS81 IS82 IS88-- thru IS110 ITB08-- 1TD06 1TF06 2TB02R 2TB23 2TD02R 2TD23 3CC11 3DC11 3FC11 3GC11 3HC11 3JC11 3KC11 3LC11 3MC11 3NC11 3TD04R-- 4TB04R 4TB08R 4TD08R 6CC11 6CF14R 6CG14R 6CH14R 6CJ14R 6CK14R 6CL14R 6CM14R 6CN14R</p>	<p><b>Shibaura (cont.)</b></p> <p>6DC11 6FC11 6GC11 6HC11 6JC11 6KC11 6LC11 6MG11 6NC11 6TB09R 6TC09R 6TC16R 6TD16R 6TE03W 6TE16R 6TF16R 7TA03W-- 7TB03W 7TC03W 7TD03W 8CF15 8CG15 8CH15 8CJ15 8CK15 8CL15 8CM15 8CN15 10CC11 10DC11 10FC11 10GC11 10HC11 10JC11 10KC11 10LC11 10MC11 10NC11 25CC11 25DC11 25FC11 25GC11 25HC11 25JC11 25KC11 25LC11 25MC11 25NC11 50CC11 50DC11 50FC11 50GC11 50HC11 50JC11 50KC11 50LC11 50MC11 50NC11 100CC11 100DC11 100FC11 100GC11 100HC11 100JC11 100KC11 100LC11 100MC11 100NC11 200CC11 200DC11 200FC11</p>	<p><b>Shibaura (cont.)</b></p> <p>200GC11 200HC11 200JC11 200KC11 200LC11 200MC11 200NC11 CR1401</p> <p><b>Trans-Sil</b></p> <p>IN248,A thru IN250,A IN253-- thru IN256 IN332-- thru IN349 IN550-- thru IN555 IN607,A thru IN614,A IN1115-- thru IN1120 IN1124-- thru IN1128 IN1183-- thru IN1206 IN1227-- thru IN1236 IN1301 IN1304 IN1306 IN1341-- thru IN1348 IN1434-- thru IN1438 IN1537-- thru IN1544 IN1551-- thru IN1555 IN1575-- thru IN1578 IN1581-- thru IN1587 IN1612-- thru IN1616 IN2109-- thru IN2114 IN2154-- thru IN2160 IN2228,A IN2230,A</p>	<p><b>Trans-Sil (cont.)</b></p> <p>IN2232,A IN2234,A IN2236,A IN2238,A IN2240,A IN2246,A IN2248,A IN2250,A IN2252,A IN2254,A IN2256,A IN2258,A IN2260,A IN2272-- thru IN2279 IN2282-- thru IN2286 D5-- D10 D15 D20 D25 D30-- D35 D40 MS70 MS80 MT70 MT80 R5-- R10 R15 R20 R25 R30 R35 R40 R45-- R50 R55 R60 R65 R70 R75 R80 S5-- S10 S15 S20 S25 S30 S35 S40 S45 S50 S55 S60 S65 S70 S75 S80 T5-- T10 T15 T20 T25 T30 T35 T40</p>	<p><b>Trans-Sil (cont.)</b></p> <p>T45 T50 T55 T60 T65 T70 T75 T80 T85-- U10 U15 U20 U25 U30-- U35 U40 W5 W10 W15-- W20 W25 W30 W35 W40</p> <p><b>Transitron</b></p> <p>IN34,A IN35 IN38,A,B IN40 IN42 IN48-- IN51 IN52 IN54,A IN55,A IN56A-- IN58,A IN63 IN65 IN66A IN67,A thru IN70,A IN71-- IN73 IN74 IN75 IN81,A IN89 IN90 IN95 IN96,A IN97 IN98,A IN99-- IN100,A IN107 IN108 INI11-- thru IN117 INI18,A IN126,A IN127,A IN128,A IN137A IN138A</p>
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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Transitron (cont.)	Transitron (cont.)	Transitron (cont.)	Transitron (cont.)	Transitron (cont.)	Transitron (cont.)	
IN139 thru IN145 IN191 IN192 IN198 IN200 thru IN219 IN248,A,B IN249,A,B IN250,A,B IN251 thru IN256 IN270 IN273 IN276 thru IN279 IN281 IN283 IN308 IN309 IN310 IN312 IN313 IN316 thru IN320 IN323 thru IN327 IN332 thru IN354 IN359 thru IN363 IN411B,B/A IN411B/B,B/C IN412B,B/A IN412B/B,B/C IN413B,B/A IN413B/B,B/C IN429 IN440,B thru IN445,B IN450 IN456,A thru IN459,A IN461,A thru IN464,A IN482,A thru IN488,A IN482B thru IN486B IN530 thru IN540 IN547 IN550 thru IN553 IN560 thru IN563	IN588 IN589 IN599,A thru IN606,A IN625 thru IN629 IN643 IN645 thru IN649 IN658 thru IN663 IN662A IN676 thru IN679 IN681 thru IN687 IN689 IN691 IN693 IN695,A IN702 thru IN716 IN746,A thru IN759,A IN761 thru IN769 IN806 thru IN809 IN811 thru IN815 IN821 thru IN827 IN840 IN906 IN914 IN916 IN922 IN928 IN953 thru IN996 IN1055 thru IN1096 IN1100 thru IN1105 IN1115 thru IN1120 IN1133 thru IN1149 IN1143A IN1184 IN1186 IN1188 IN1202 IN1204 IN1206	IN1434 thru IN1438 IN1487 thru IN1492 IN1581 thru IN1587 IN1652 thru IN1695 IN1731 IN1733 IN1734 IN1785 thru IN1815 IN2013 thru IN2049 IN2041A,B thru IN2049A,B IN2043C IN2044C,D IN2046C thru IN2049C IN2069 IN2070 IN2071 IN2385 IN2491 thru IN2497 IN2501 thru IN2508 IN2970 IN3015 thru IN3051 IN3072 thru IN3081 IN2764 thru IN2767 IN2769 thru IN2769 IN2809 IN2811 thru IN2815 IN2821 thru IN2827 IN2840 IN2906 IN2914 IN2916 IN2922 IN2928 IN2953 thru IN2996 IN3055 thru IN3096 IN3100 thru IN3105 IN3115 thru IN3120 IN3133 thru IN3149 IN3143A IN3184 IN3186 IN3188 IN3202 IN3204 IN3206	S320G S1010 SC1 SC2 SC3 SC5 SC7 SC11 SC15 SC47 SC50 SC68 SC82 SC100 SC120 SC150 SC180 SC200 SCH51 SCH51/A SCH52 SCH52/A SE5U4GE SE6X4 SE19 SE21 SE866A SEI730 thru SE1734 SE2382 thru SE2385 SG22 SG211 SG212 SG213 SG215 SG216 SG217 SG218 SG221 SG222 SG223 SG225 thru SG228 SG1691 SL588 SL589 SM72 SV121 thru SV129 SV131 thru SV139 SV141 thru SV144 SV168 SV169 SV171 SV1004 thru SV1025 SV1033 thru SV1035 SV3140 thru SV3145	SV3140A thru SV3145A SV3170 SV3171 SV3173 thru SV3176 SV3206 SV3207 SV4010,A SV4012,A SV4015,A SV4018,A SV4022,A SV4027,A SV4033,A SV4039,A SV4047,A SV4056,A SV4068,A SV4075,A SV4082,A SV4091,A SV4100,A SV7000 SV7200 SW10 SW11 SW30 TIG thru T5G T7 T8G T9,G T11 T12,G thru T16,G T17 T18 T19 T19G T20,G thru T24,G T25 T26G T27G TCR52 TCR102 TCR152 TCR202 TCR251 TCR252 TCR302 TCR352 TCR402 TCR501 TCR503 TCR505 TCR510 TCR520 TCR550 TCR1001 TCR1003 TCR1005 TCR1010 TCR1020 TCR1050	TCR1503 TCR1505 TCR1510 TCR1520 TCR2001 TCR2003 TCR2005 TCR2010 TCR2020 TCR2050 TCR2503 TCR2505 TCR2510 TCR2520 TCR3001 TCR3003 TCR3005 TCR3010 TCR3020 TCR3050 TCR3503 TCR3505 TCR3510 TCR3520 TCR4001 TCR4003 TCR4005 TCR4010 TCR4020 TCR4050 TCS5 TCS10 TD12 TD15 TD22 TD25 TD52 TD55 TD102 TD105 TD110 TD120 TD205 TD210 TD502 TD505 TD510 TD1010 TD2010 TD5010 TH152B,B/A TH152B/B,B/C TH252B,B/A TH252B/B,B/C TH302B,B/A TH302B/B,B/C TH352B,B/A TH352B/B,B/C TH402B,B/A TH402B/A,B/C TJ50A TJ60A TK5 TK10 TK20 TK21 TK30 TK40 TK41 TK50 TK60	TK61 TM1 TM2 TM3 TM5 TM9 TM11 TM12 TM13 TM19 TM22 TM23 TM24 TM29 TM31 TM32 TM33 TM39 TM41 TM42 TM43 TM49 TM51 TM52 TM53 TM55 TM56 TM59 TM61 TM62 TM63 TM65 TM66 TM69 TM84 TM85 TM86 TM104 TM105 TM106 TM124 TM125 TM126 TM155 TM156 TMD00 TMD01 thru TMD10 TMD12 thru TMD19 TMD20 TMD24 TMD25 TMD27 TMD40 TMD41 TMD42 TMD45 TMD50 TR30 TR50 TR53 TRI00 TR103 TR150 TR152 TRI53 TR200 TR203

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# 10. MANUFACTURERS AND THEIR TYPE NUMBERS



Western Semicon	W. Semicon (cont.)	W. Semicon (cont.)	W. Semicon (cont.)	W. Semicon (cont.)	Wstghs.-US (cont.)	Westinghouse-Fr
IN34,A	IN251	IN498	IN857	WA200	IN1396	IN34
IN35	IN252	thru	IN868	WA300	thru	IN35
IN36	IN255---	IN501	IN879	WA400	IN1402	IN38
IN39,A,B	thru	IN541---	IN890---	WA500	INI443-	IN40
IN43	IN268	IN542	thru	WA600	IN1444	IN54
IN45	IN281	IN596	IN902	WD001---	IN1486	IN56
thru	IN287	IN597	IN903,A	thru	INI537-	IN57
IN48	IN288	IN598	thru	WD015	thru	IN60
IN51	IN289	IN616	IN906,A	WR100---	IN1544	IOWI-
IN52,A	IN292	IN617	IN907-	thru	INI660-	thru
IN54,A	IN294,A	IN619	IN908,A	WR400	thru	1WM10
IN55,A,B	IN297,A	IN622	IN909	WS100---	IN1666	2WMI-
IN56	IN298,A	IN625---	IN912	thru	INI670-	thru
IN57	IN300,A,B	thru	IN913	WS300	thru	2WMI0
IN59	thru	IN629	IN914,A		IN1676	3WMI-
IN61	IN303,A,B	IN635---	IN916	<b>Westinghouse-US</b>	300E---	thru
IN65	IN304	IN636	IN918	IN536	300G	3WM10
IN66,A	IN305	IN643	IN920---	thru	302E,G	6WMI-
IN67,A	IN307	IN645,A	thru	303E	303E	thru
IN69,A	IN308	IN646	IN923	303G	303G	6WM10
IN73	IN312	IN647	IN925---	319E,G	319E,G	9WMI-
IN74	IN314	IN648	thru	IN547-	322E,G	thru
IN81,A	IN314	IN649	IN928	IN560-	326E,G	thru
IN86	IN330	IN659---	IN934	IN561	327E,G	9WM10
IN88	IN331	thru	IN935,A,B	IN1095	328E,G	G4I---
IN89	IN352	IN672	thru	IN1096	329E,G	thru
IN90	IN353	IN674	IN939,A,B	IN1169,A	339E,G	G45
IN96,A	IN355	IN675	IN997	INI183-	439A,B	G50---
IN97	IN359,A	IN701	INI313	thru	439A,B	G51
IN98	IN379	IN704	thru	IN1206	439C,D	G53---
IN99,A	thru	thru	IN1327	IN1217,A	439E,F,G	thru
IN100	IN391	IN729	IN1406	thru	439H,K,M	G66
IN108	IN394	IN731	thru	IN1224,A	WX809A,B,C,	G505-
INI11	IN429	IN731	thru	IN1225-	WX809D,E,F	G551
thru	IN430,A,B	thru	IN1413	IN1226	WX822A,B	G552
IN118	IN431	IN735	INI630,A-	INI227,A		G603
INI18A-	IN432,A	IN737	thru	thru		G604
IN117A	IN433,A,B	thru	IN1736	IN1234,A	<b>Westinghouse-Engl.</b>	
IN118A	IN434,A,B	IN745	INI627---	INI235	G1C50	
IN128A	IN451	IN748,A	thru	IN1236	thru	
IN137A	IN454	thru	IN1953	INI271	G5C50	
IN138A	IN456,A	IN759,A	INI981	thru	SIANI25	
IN139	thru	IN761	thru	IN1277	thru	
IN140	IN459,A	IN769	IN1984	INI281-	SI0AN125	
IN141	IN460	IN771,B	INI588-	thru	SI8N200-	
IN145	IN461,A	IN772,A	thru	IN1287	thru	
IN198,A	thru	thru	IN1998	INI291-	SI0BN200	
IN200	IN464,A	IN774,A	IN2382-	thru		
IN201	IN467	IN775	thru	IN1297		
IN202	thru	IN805	IN2385	INI330-		
IN204	IN470	IN821	thru	thru		
thru	IN472	thru	IN2751-	IN1336		
IN213	thru	IN827	IN2805	INI341-		
IN218	IN478	IN837,A	IN2867	thru		
thru	IN482,A,B	thru	IN2868	IN1348		
IN220	thru	IN838	IN2961	INI378-		
IN222	IN486,A,B	IN840	IN3108	thru		
IN225	IN487,A	thru	IN3109	IN1382		
thru	IN488,A	IN845	WA100			
IN233						

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# 11. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER



THE LETTERS PRECEDING THE NUMBERS OF THE OUTLINE DRAWINGS INDICATE THE FOLLOWING:

- A - AXIAL LEAD Type
- C - CASE Type
- DO- JEDEC Type
- F - FUSE Type
- M - MISCELLANEOUS Type
- P - PLUG-IN Type
- S - SCREW BASE Type
- TO- JEDEC Type

**NOTES:**

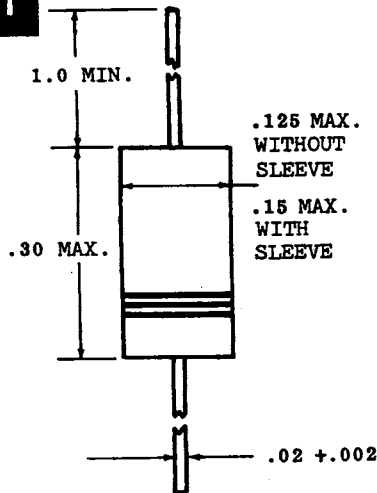
These outline drawings are intended as a guide for the user. They should not be used for construction purposes without first checking with the appropriate manufacturer.

These drawings are referenced in the Technical Sections of this Tabulation in accordance with information supplied by the manufacturers.

The DO and TO drawings have been reproduced from JEDEC Publication No. 12B (July 1960) with the permission of the Electronic Industries Association. JEDEC designations are assigned only to outlines submitted by the JS-10 Committee on Mechanical Standardization and Packaging. The procedure of assigning and announcing the JEDEC designation constitutes registration.

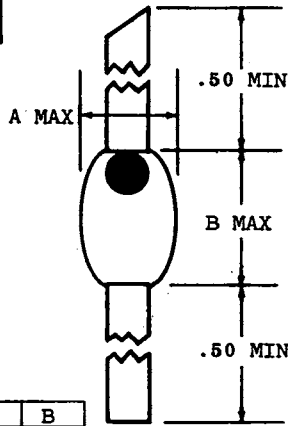
All drawings have circular symmetry unless indicated.

**A 1**



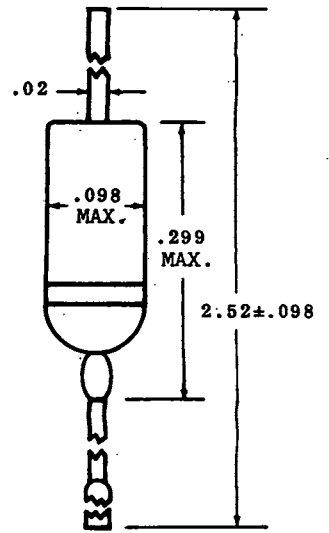
**A 2**

**-2a**

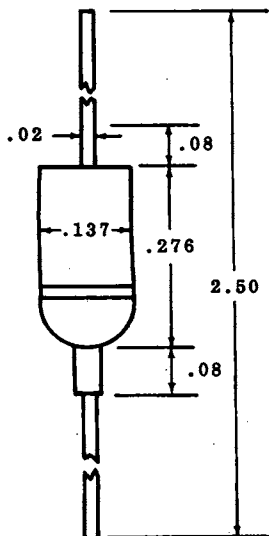


	A	B
A2	.045	.08
A2a	.03	.075

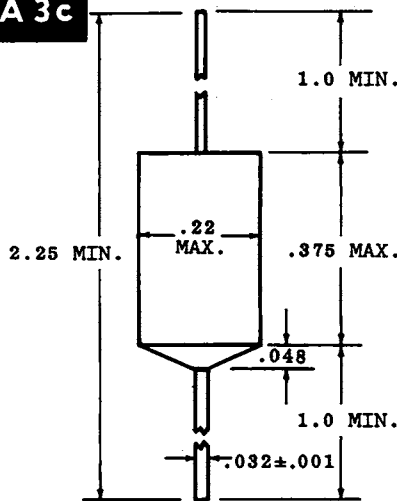
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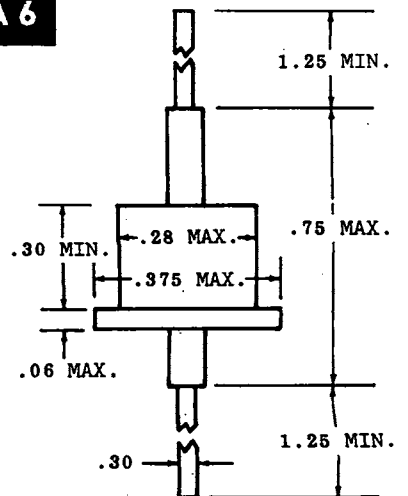
**A 3a**



**A 3c**



**A 6**

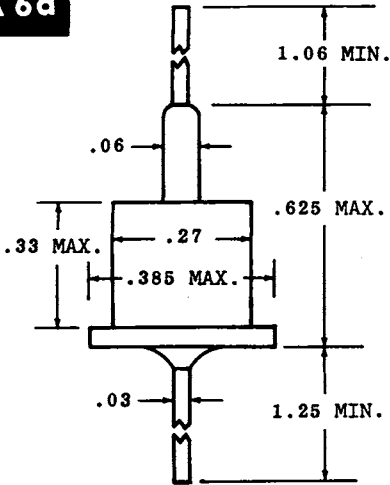


# 11. OUTLINE DRAWINGS

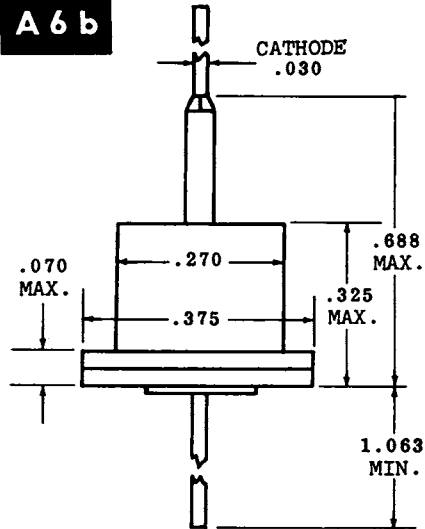
IN ORDER OF CASE NUMBER



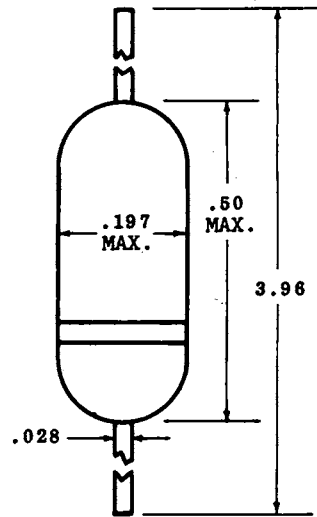
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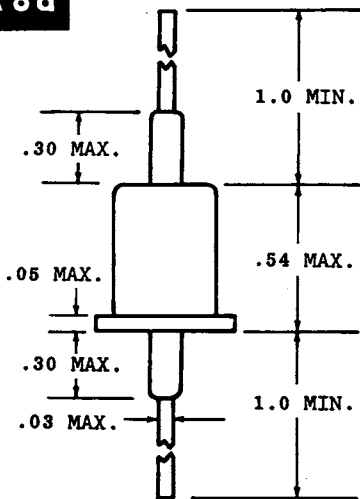
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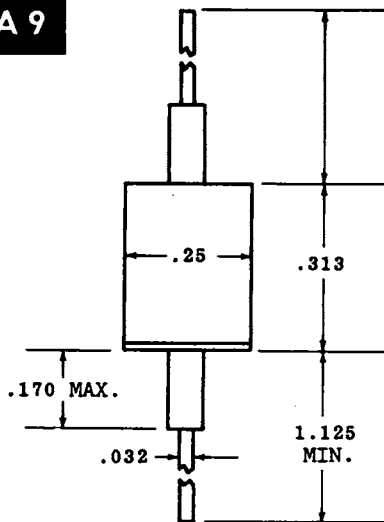
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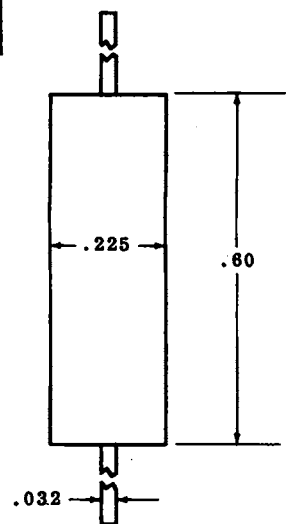
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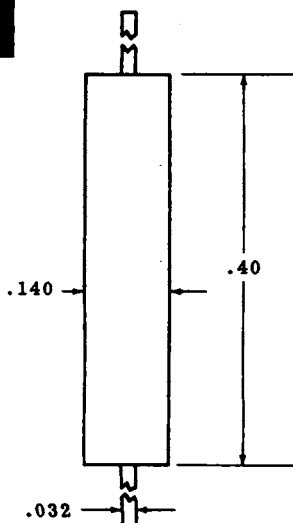
**A 9**



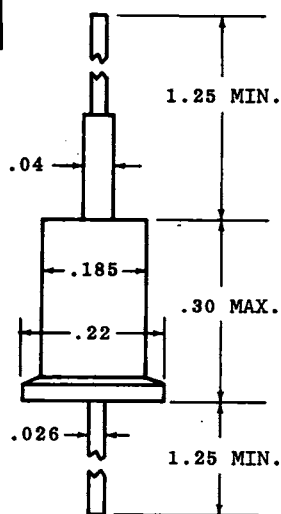
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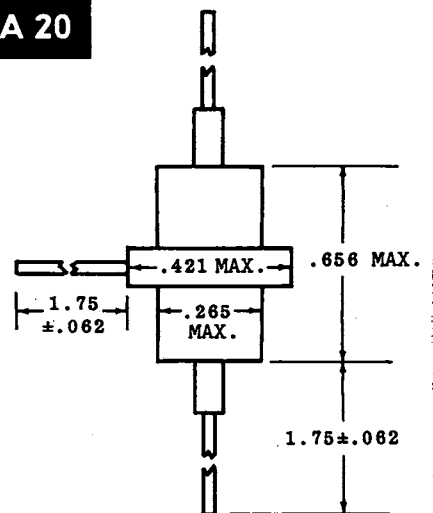
**A 11**



**A 19**

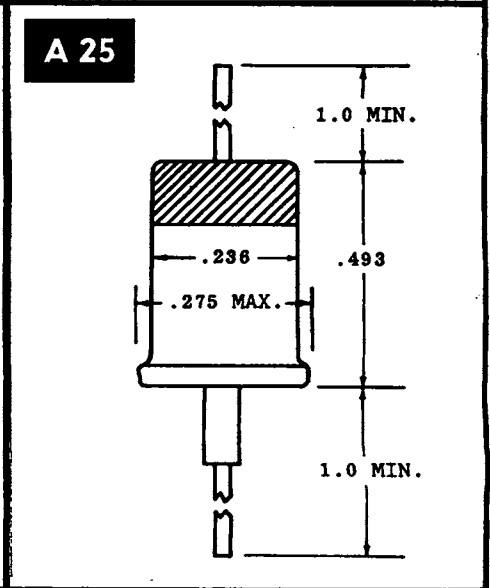
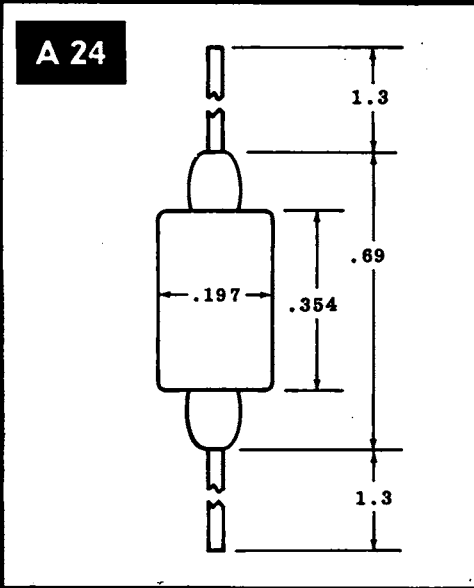
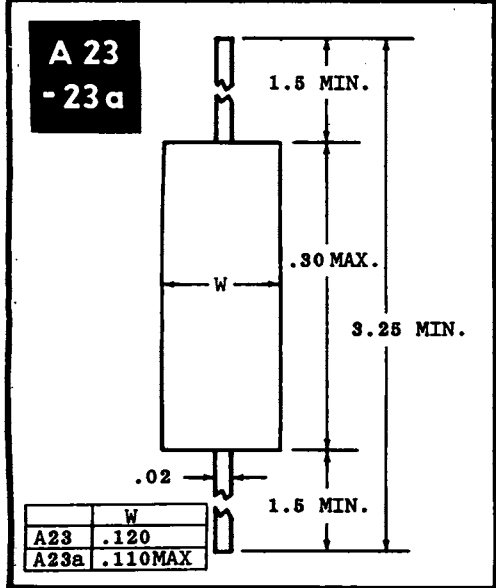
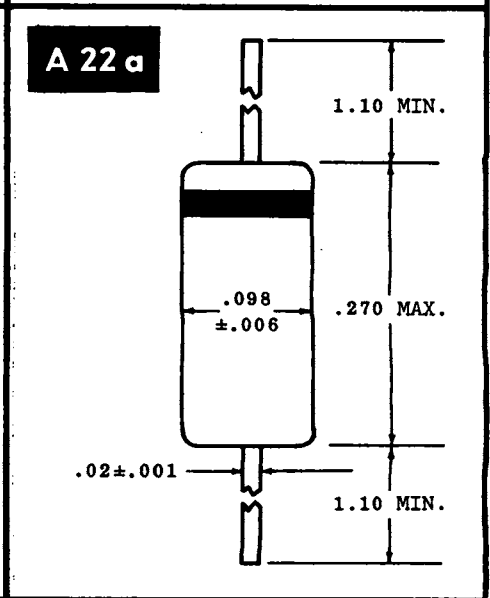
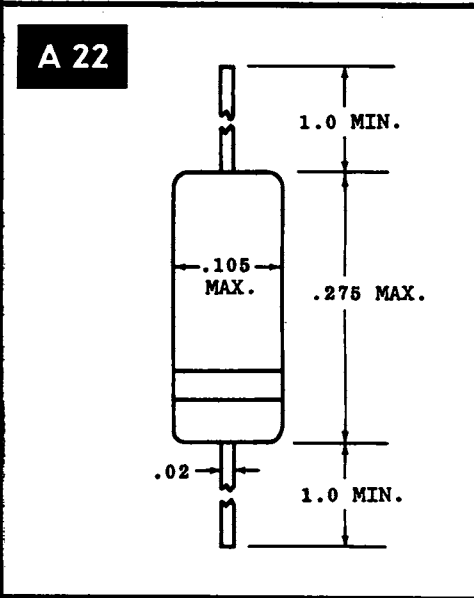
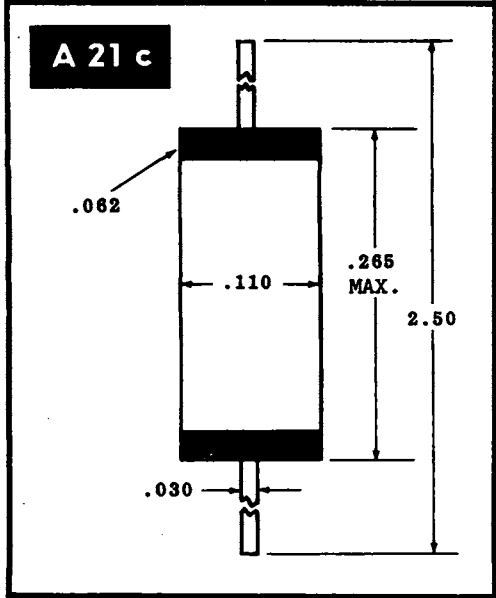
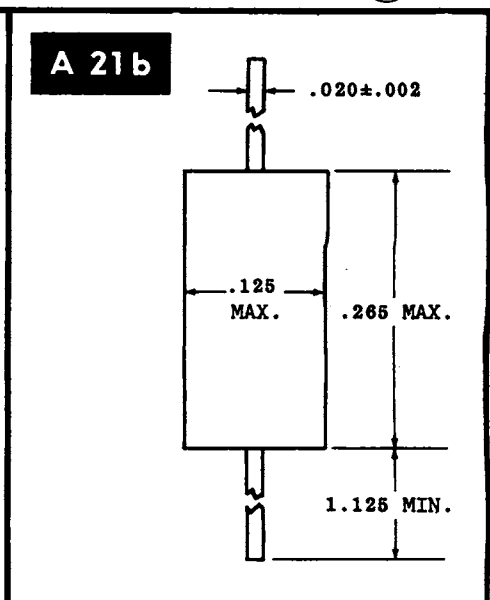
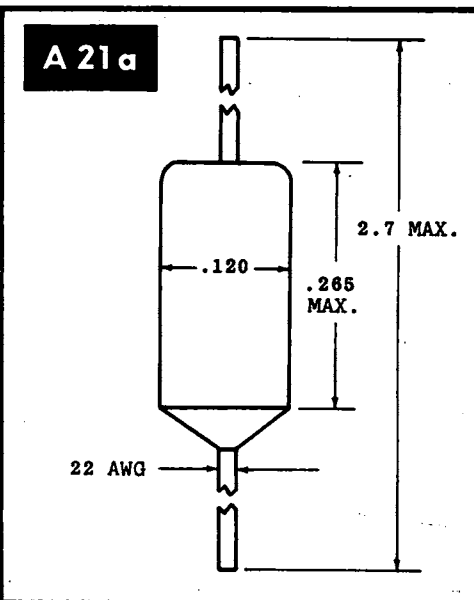
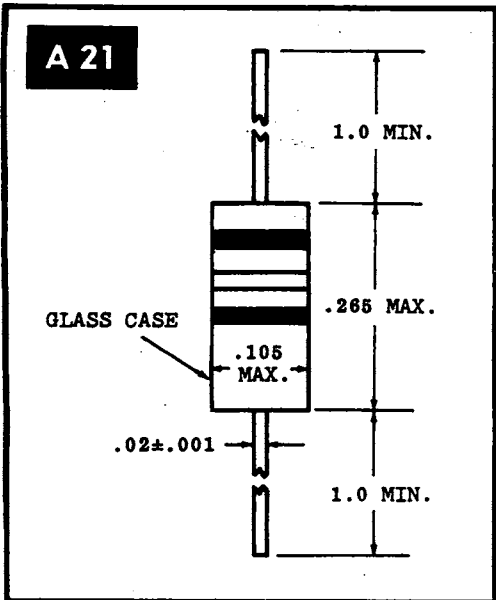


**A 20**



# 11. OUTLINE DRAWINGS

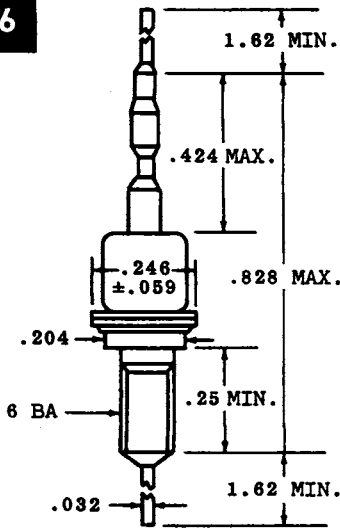
IN ORDER OF CASE NUMBER



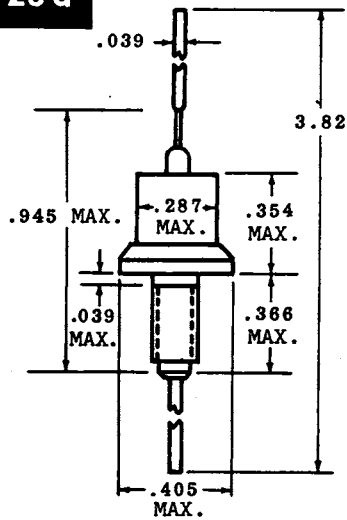
# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



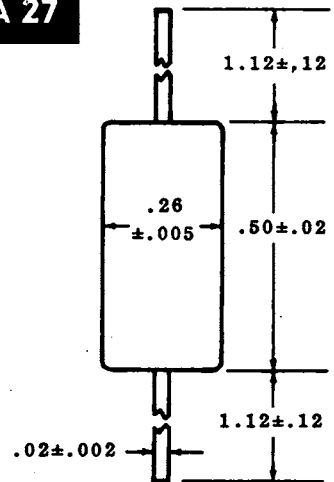
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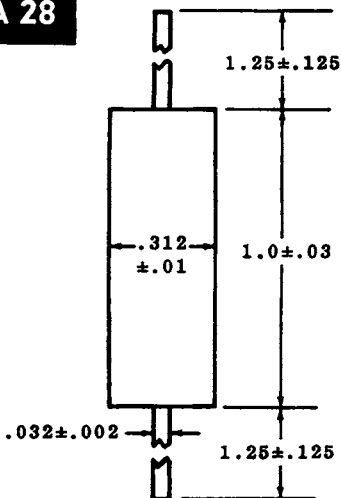
**A 26 a**



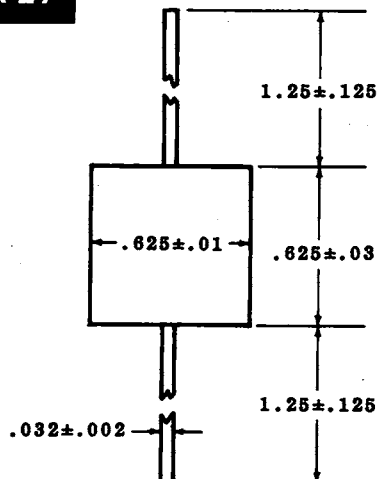
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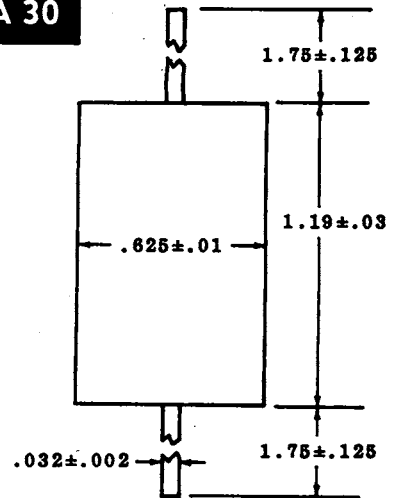
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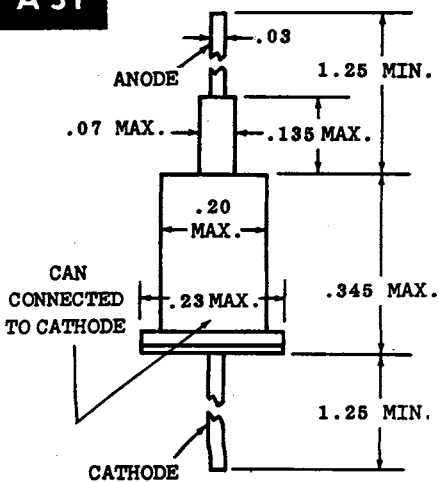
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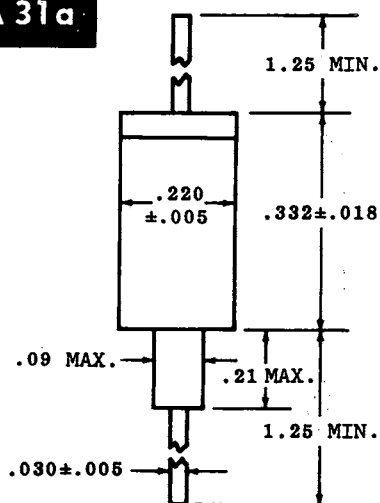
**A 30**



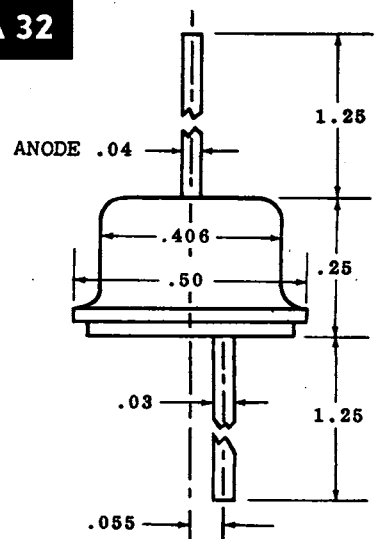
**A 31**



**A 31 a**



**A 32**

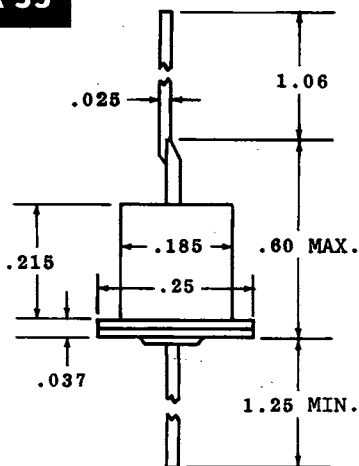


# 11. OUTLINE DRAWINGS

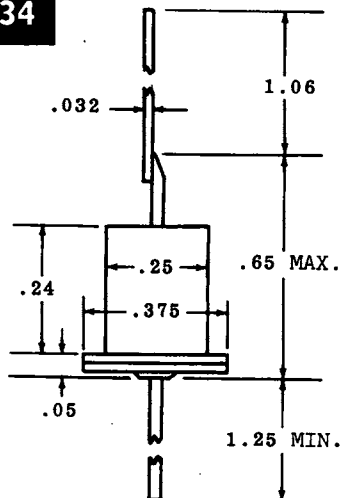
IN ORDER OF CASE NUMBER



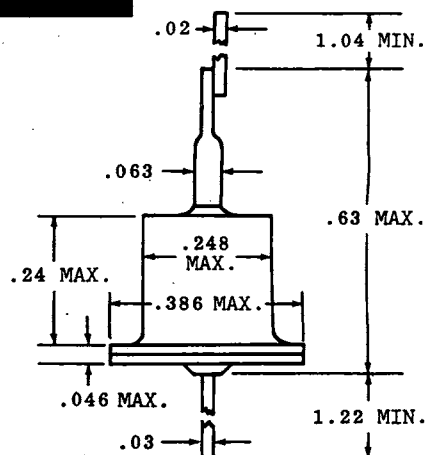
**A 33**



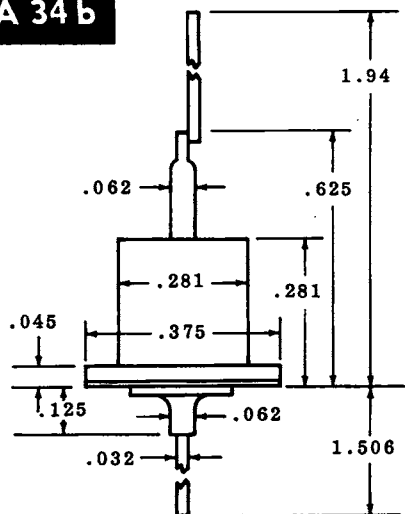
**A 34**



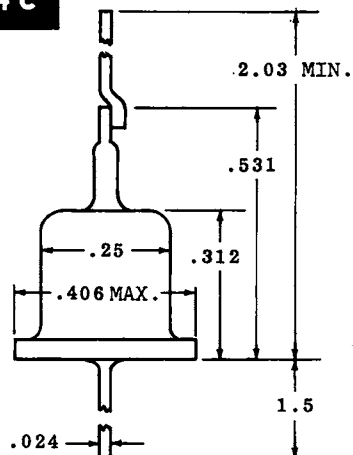
**A 34 a**



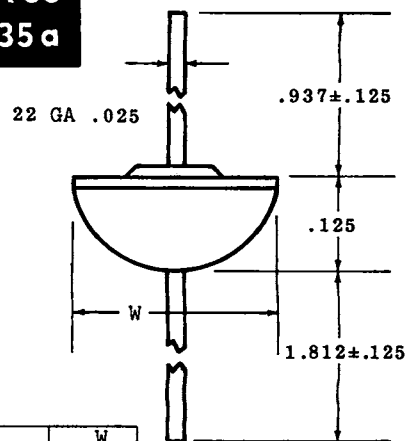
**A 34 b**



**A 34 c**

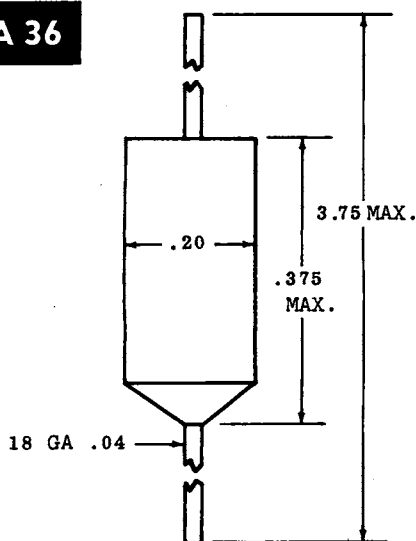


**A 35  
-35 a**

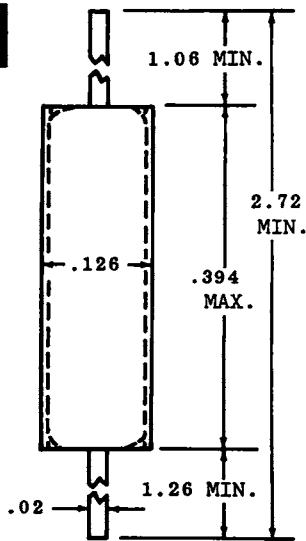


	W
A35	.250
A35a	.375

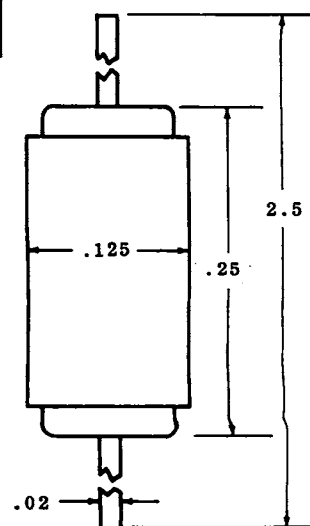
**A 36**



**A 37**

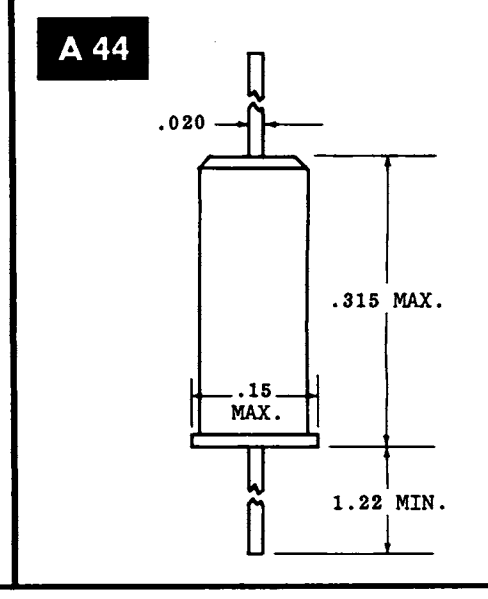
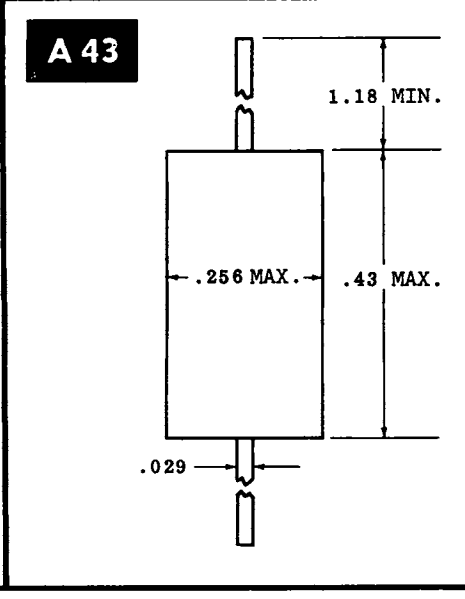
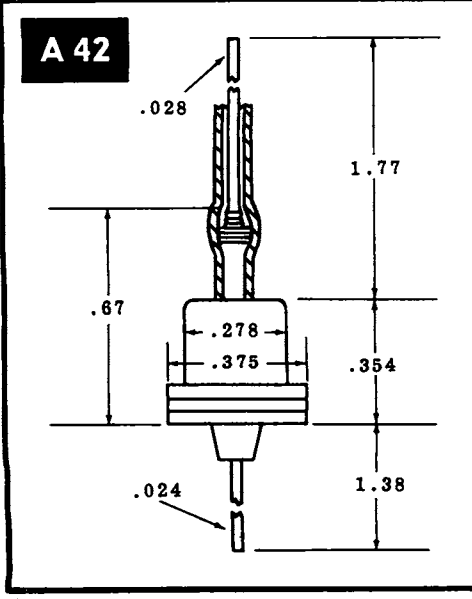
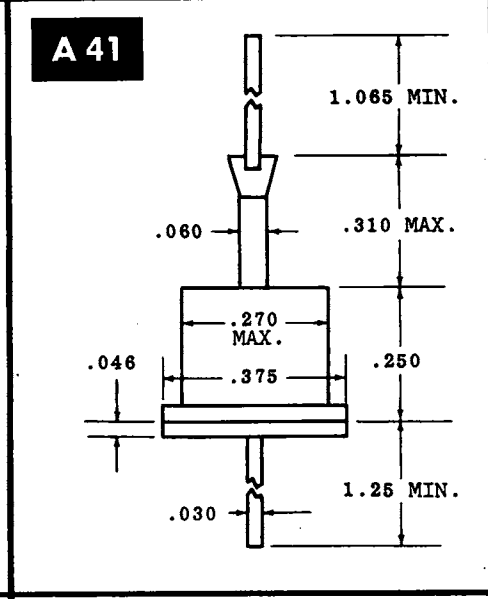
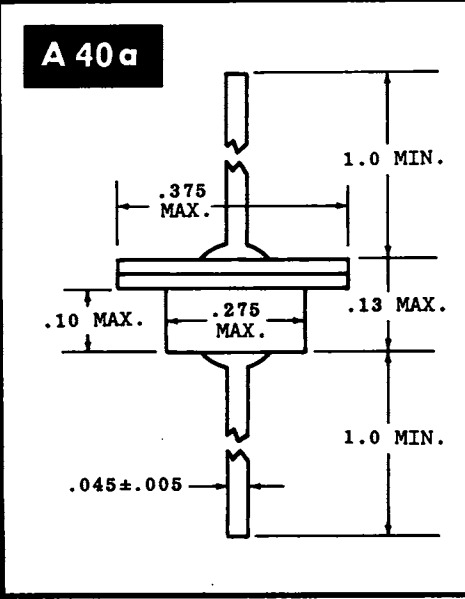
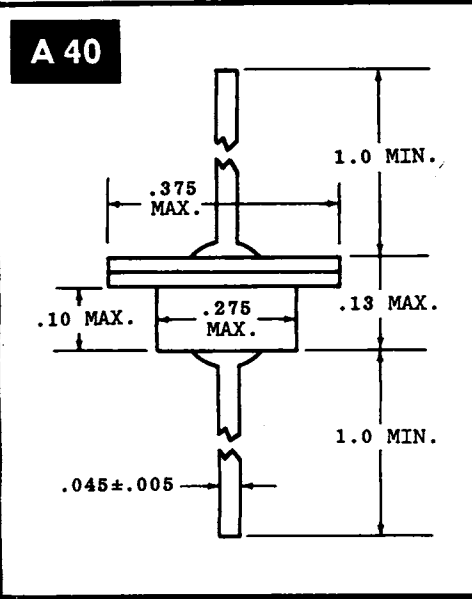
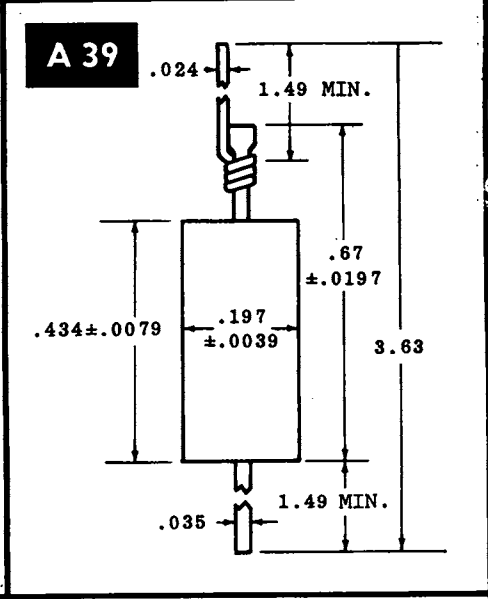
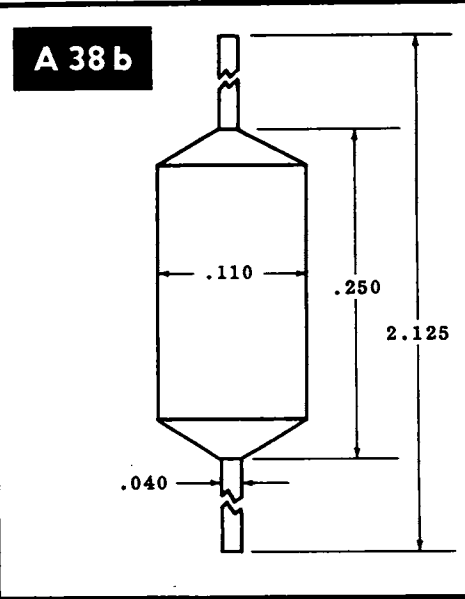
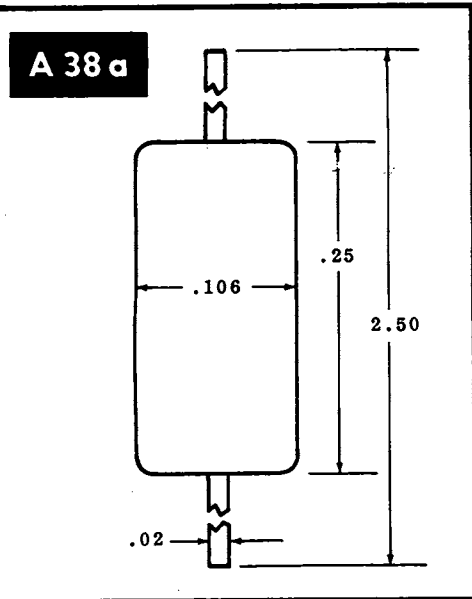


**A 38**



# 11. OUTLINE DRAWINGS

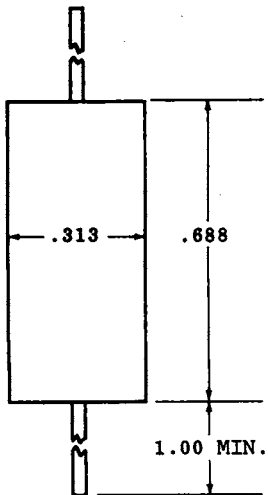
IN ORDER OF CASE NUMBER



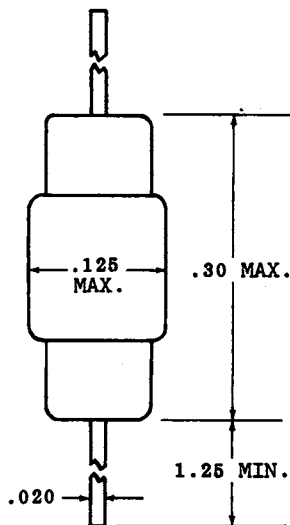
# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



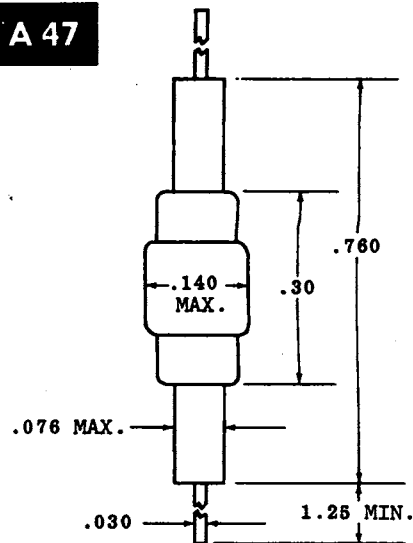
**A 45**



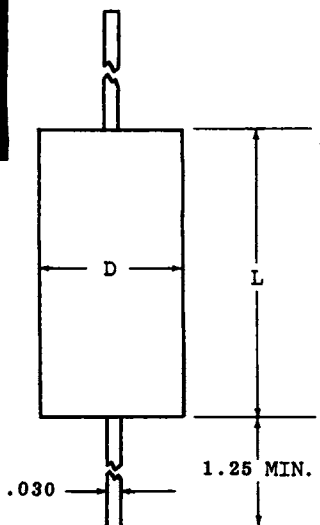
**A 46**



**A 47**



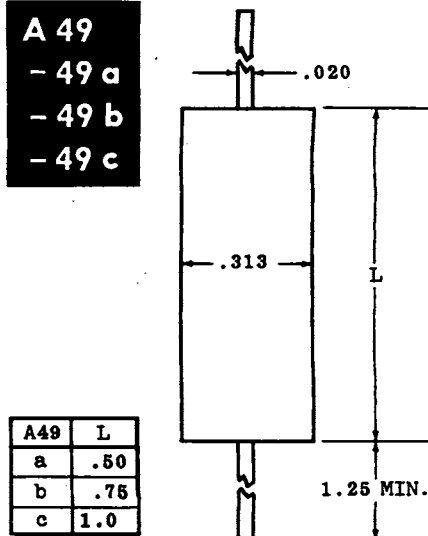
**A 48  
TO  
A 48 s**



A48	D	L
a	.313	.50
b	.313	1.0
c	.38	.50
d	.38	1.0
e	.50	1.0
f	.50	1.25
g	.50	1.5
h	.50	1.75
j	.50	2.0
k	.50	2.25
m	.50	2.5
n	.52±.03	4.0
p	.52±.03	5.0
q	.52±.03	6.0
r	.52±.03	7.0
s	.52±.03	8.0

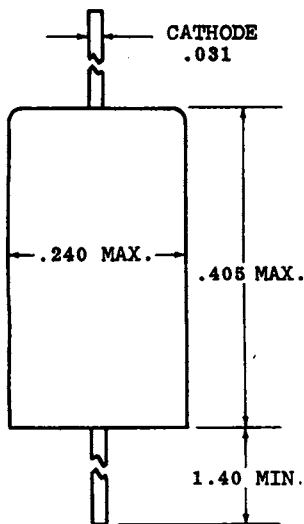
**A 49**

**- 49 a  
- 49 b  
- 49 c**

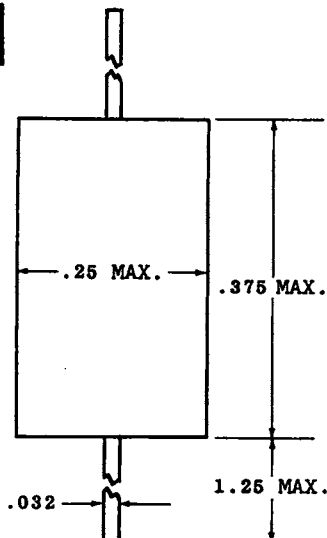


A49	L
a	.50
b	.75
c	1.0

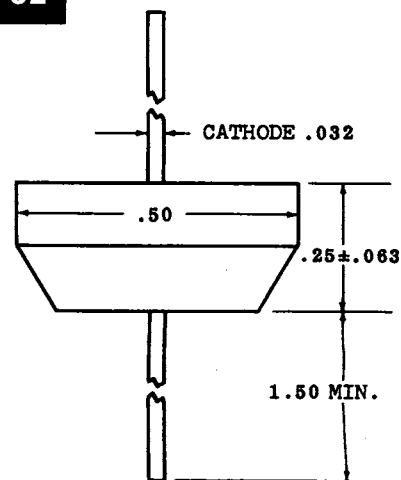
**A 50**



**A 51**

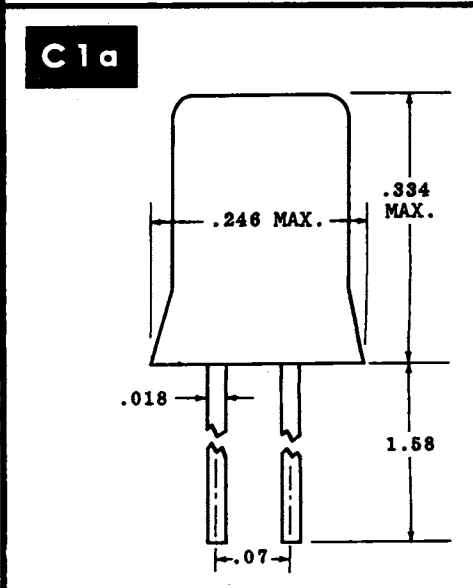
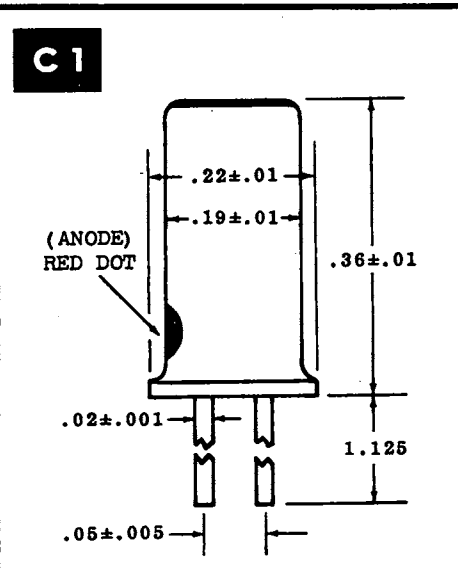
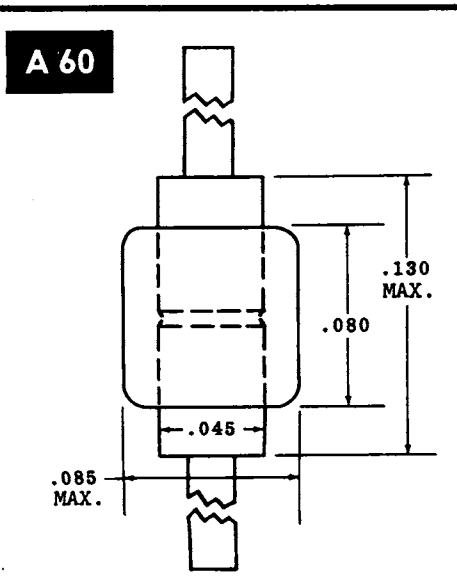
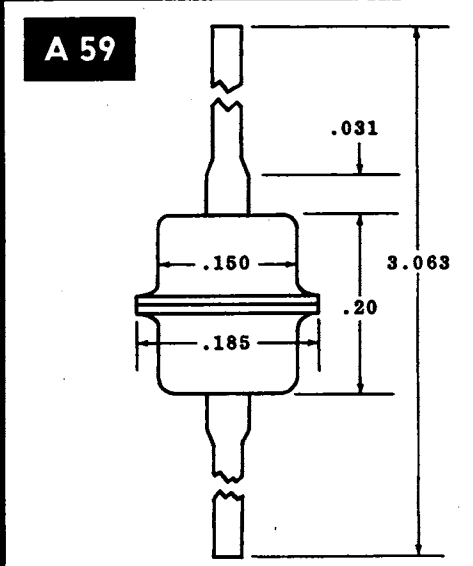
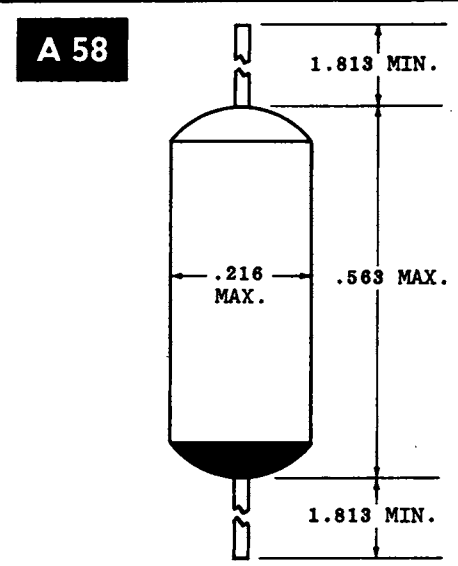
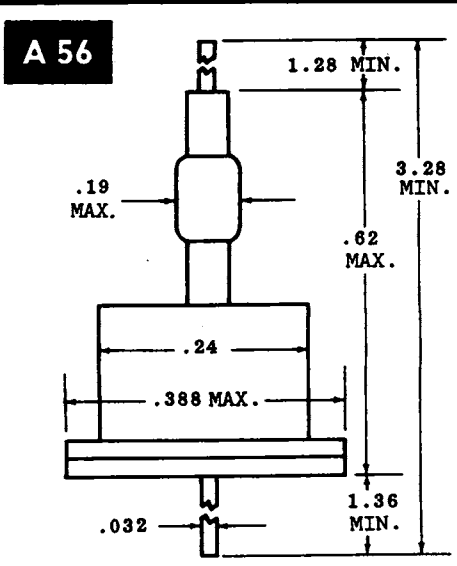
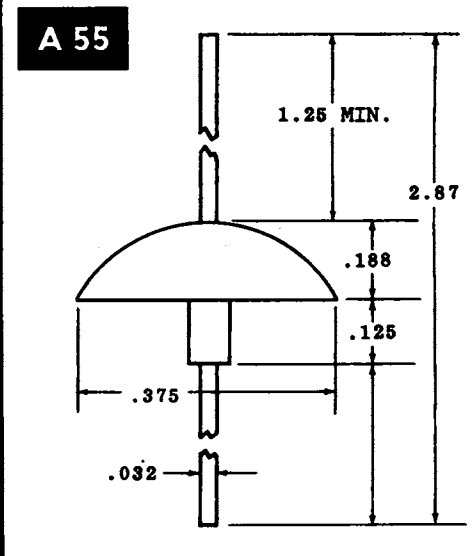
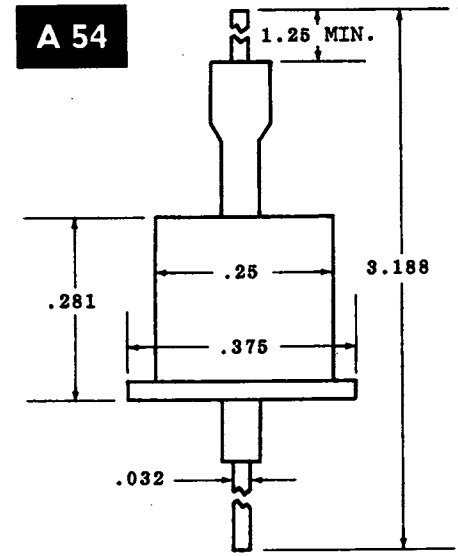
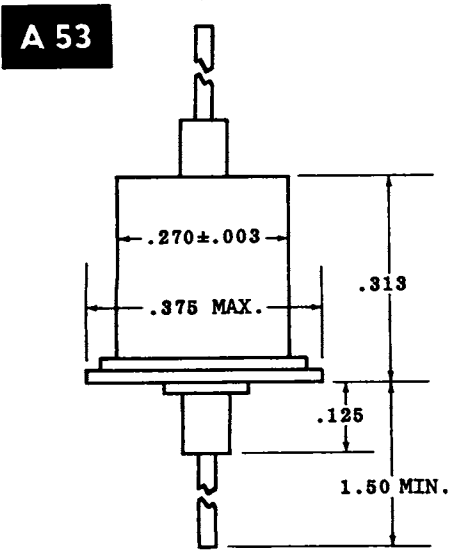


**A 52**

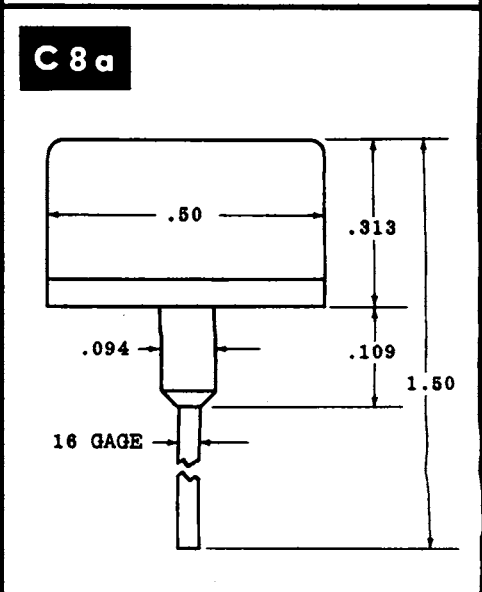
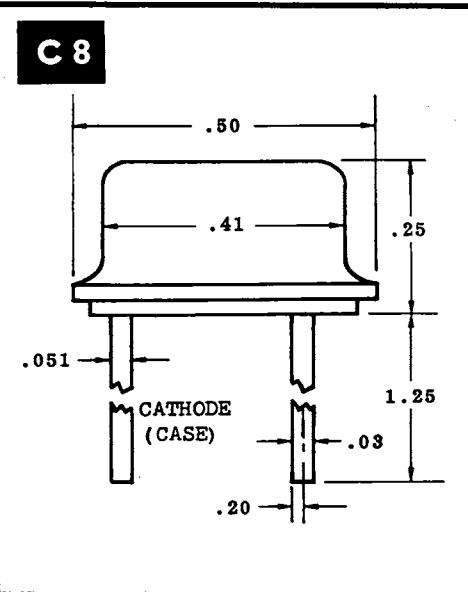
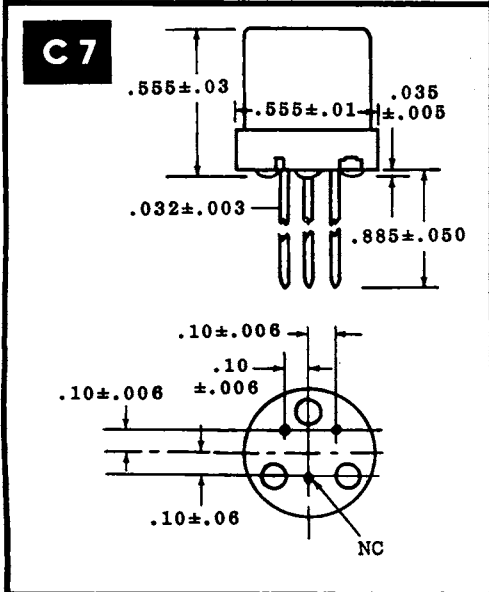
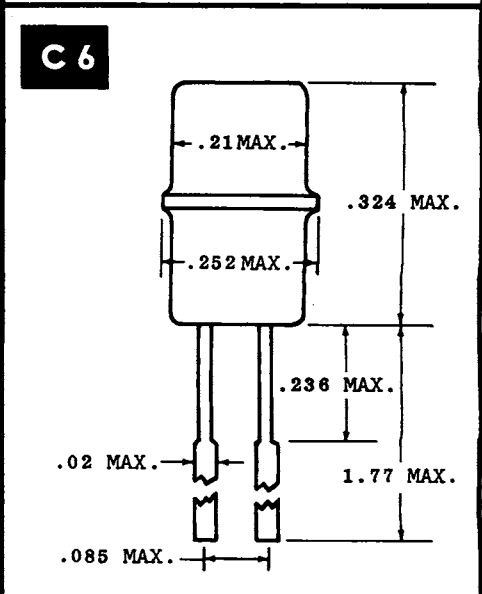
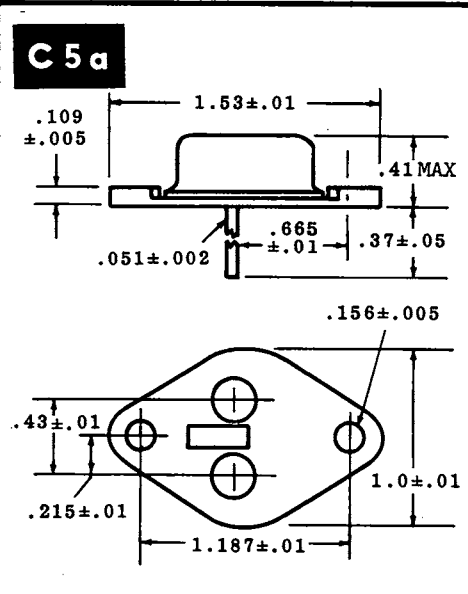
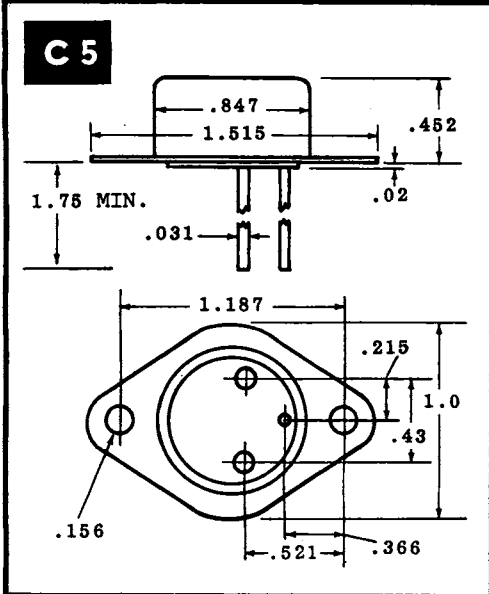
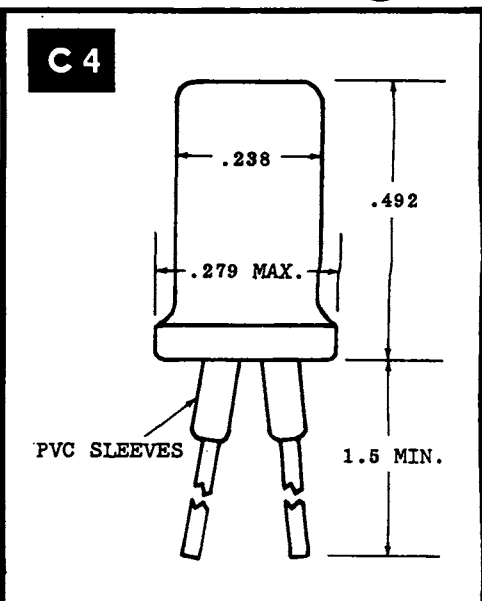
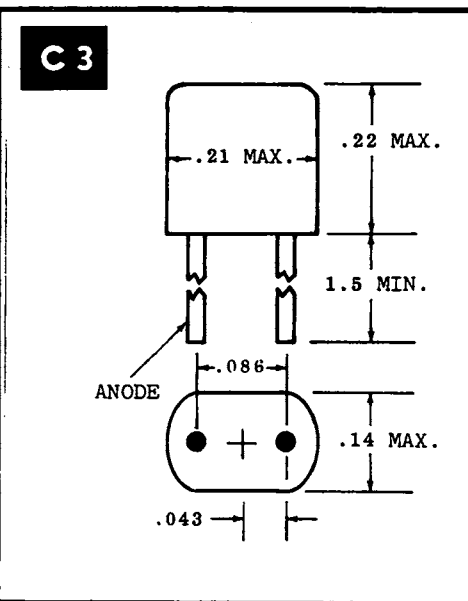
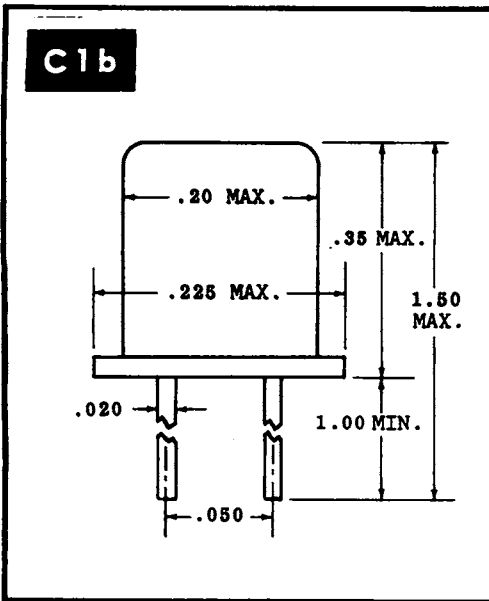




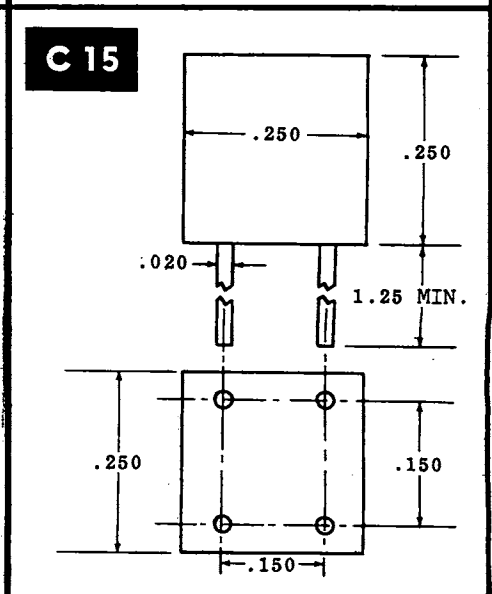
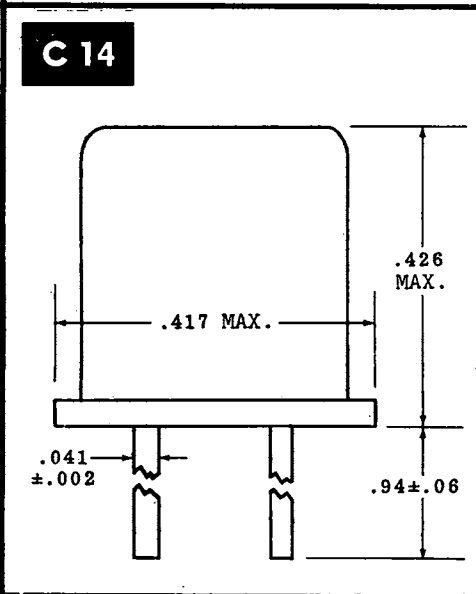
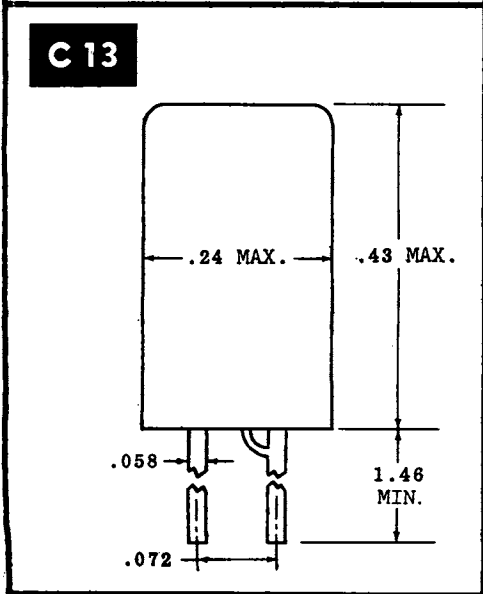
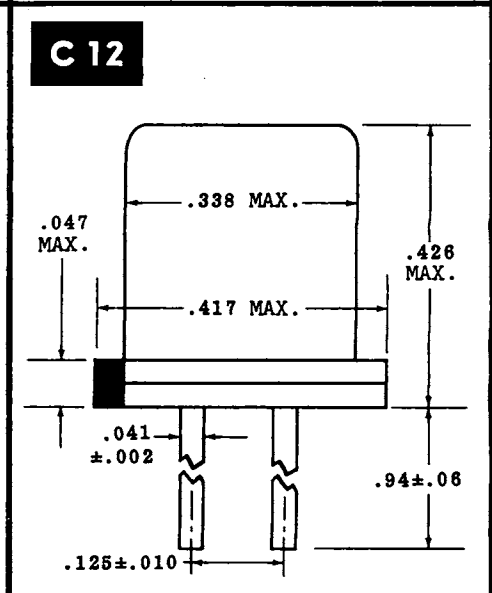
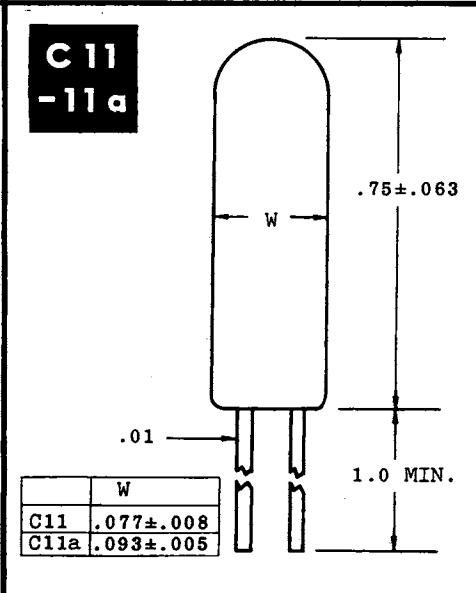
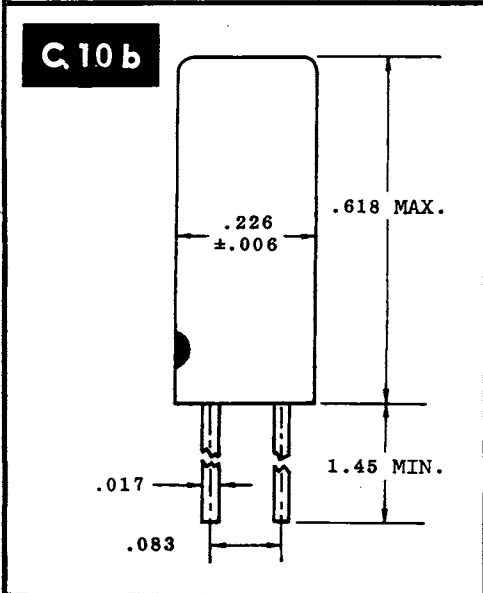
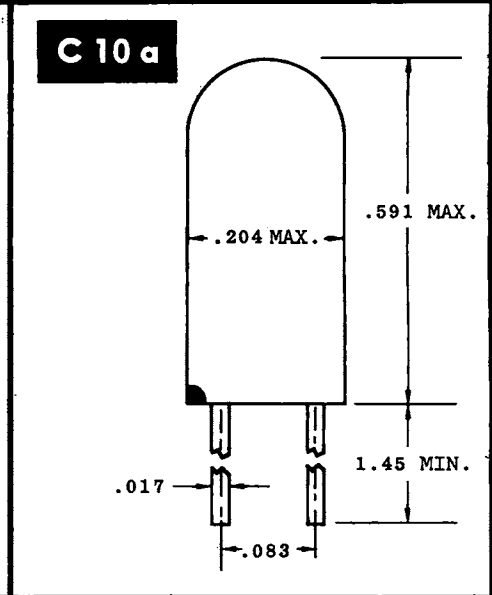
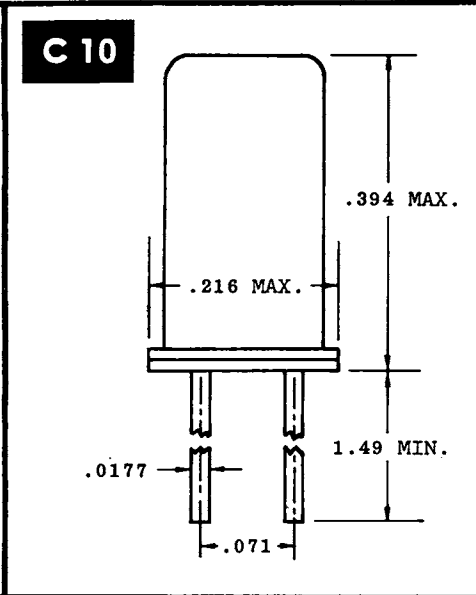
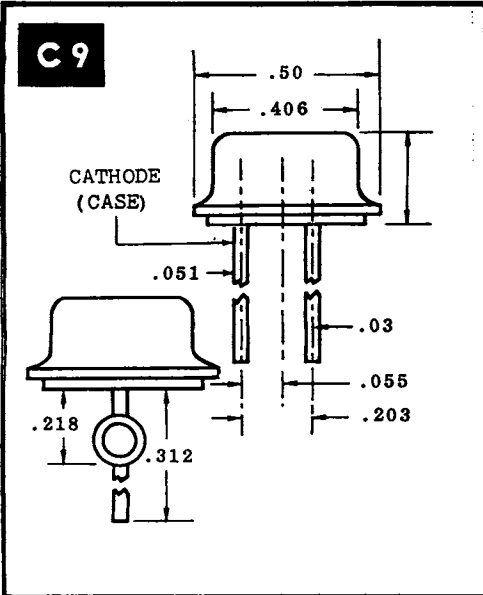
# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

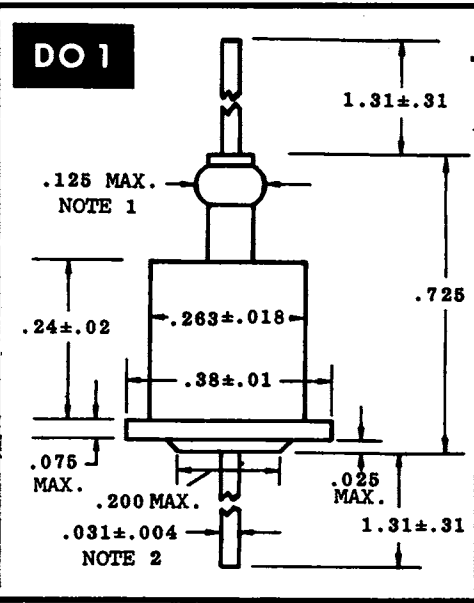
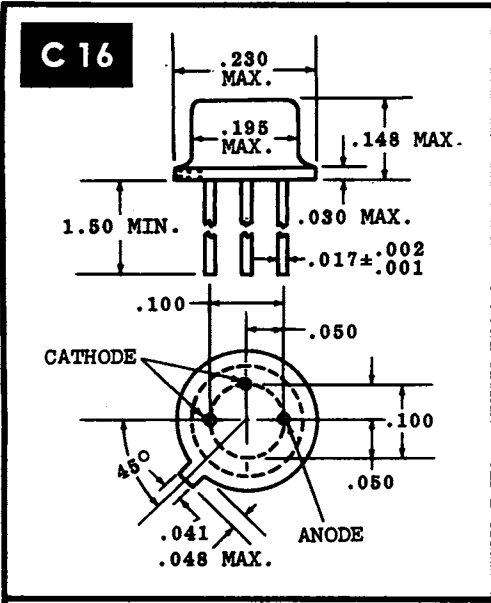


# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



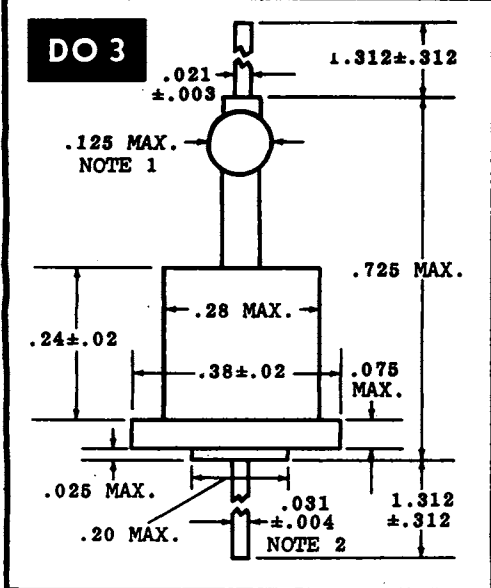
# 11. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER



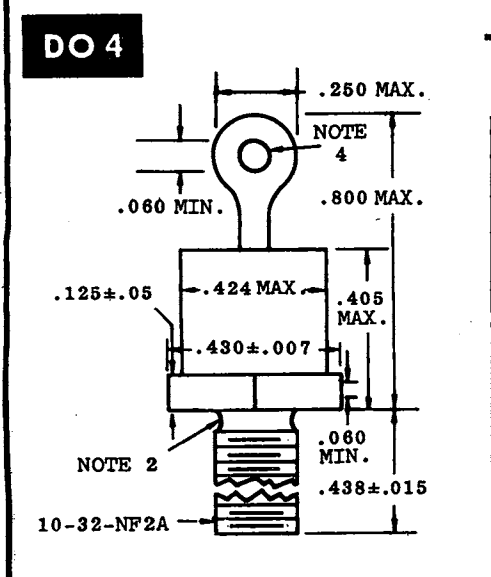
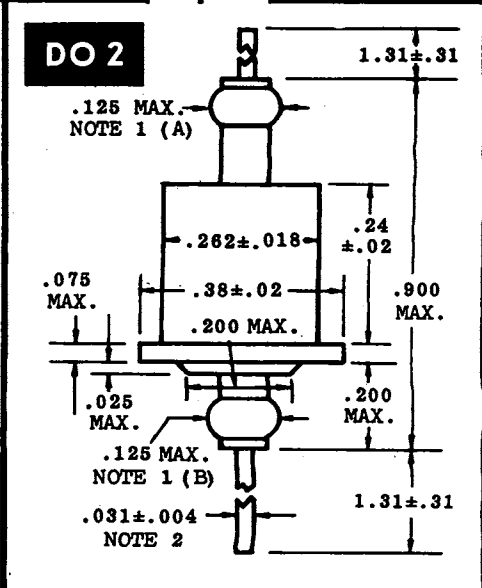
**NOTES: (for DO 1 and DO 2)**

- \*Dim. to allow for pinch or seal deformation anywhere along tabulation (optional).
- Dim. to be controlled from free end of lead to within .188 inch from the point of attachment to the body. Within the .188 inch dimension, the dia. may vary to allow for lead finishes and irregularities.



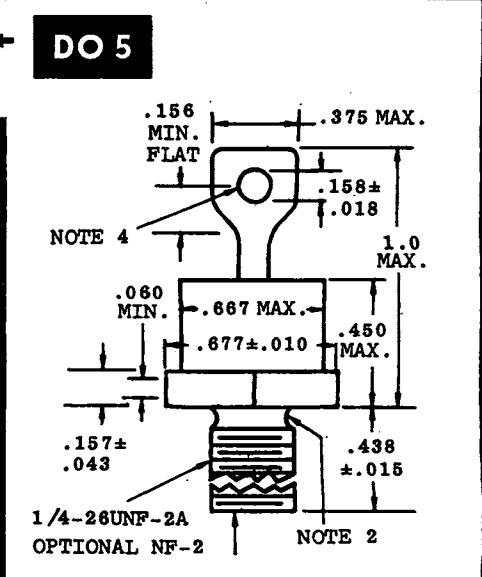
**NOTES: (for DO 3)**

- Dim. to allow for pinch or seal deformation anywhere along tabulation (optional).
- Dim. to be controlled from free end of lead to within .188 inch from the point of attachment to the body. Within the .188 inch dim., the dim. may vary to allow for lead finishes and irregularities.



**NOTES (for DO 4 and DO 5)**

- Unit must not be damaged by torque of 15 in-lb (30 in-lb for DO 5) applied to 10-32 NF 2B(1/4-28 UNF-2B for DO5) nut assembled on thread.
- Dia. of unthreaded portion .189 max., .169 min. (.249 max., 220 min. for DO 5).
- Complete threads to extend to within 2 1/2 threads of head.
- Angular orientation of this terminal is undefined.
- Max. pitch dia. of plated threads shall be basic pitch dia. (.1897 for DO 4, .2268 for DO 5) Ref. (Screw thread standards for federal services 1957) Handbook H28 1957 Pl.

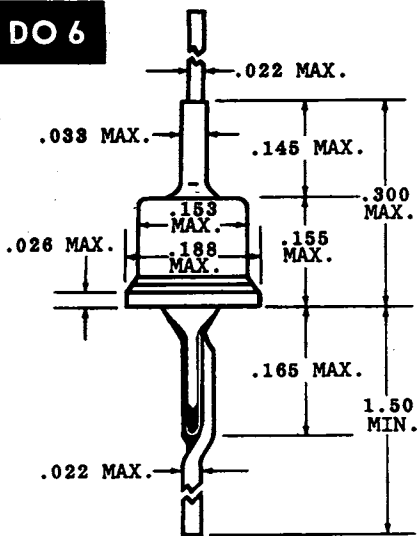


# 11. OUTLINE DRAWINGS

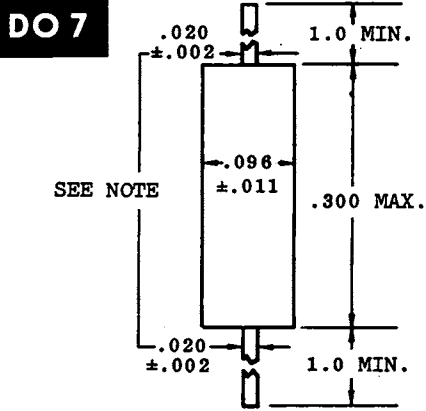
IN ORDER OF CASE NUMBER



**DO 6**

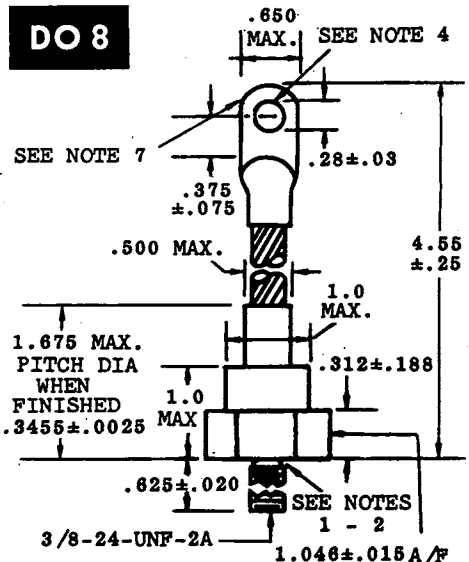


**DO 7**



NOTE:  
Lead Dia. not to be controlled within .050 inch of the case to allow for lead finish and other irregularities.

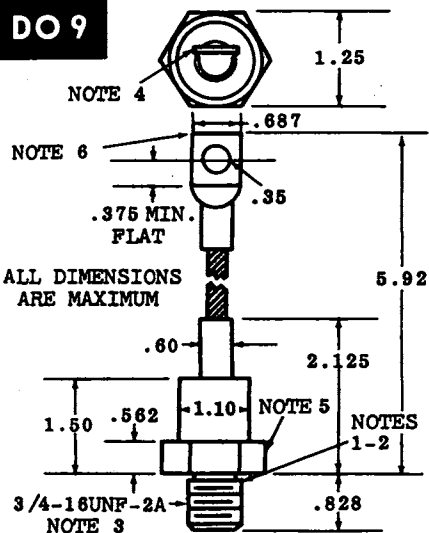
**DO 8**



NOTES: (for DO 8)

1. Complete threads to extend to within 2-1/2 threads of head.
2. Dia. of unthreaded portion .3739 Max., .343 Min.
3. Screw thd. standards for federal services (1957 Handbook H28 Pt. 1) apply to UNF-2A thd.
4. Angular orientation of this terminal is undefined.
5. Unit will not be damaged by torque of 100 lb.-in. applied to a non-lubricated 3/8-24-UNF-2B nut assembled on thd.
6. A Chamfer (or undercut) on one or both ends of hexagonal portions is optional.
7. Square or Radius on end of terminal is optional.

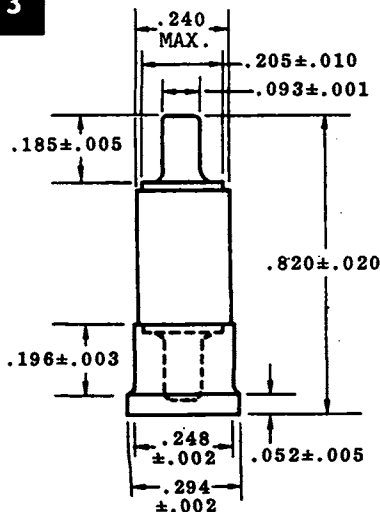
**DO 9**



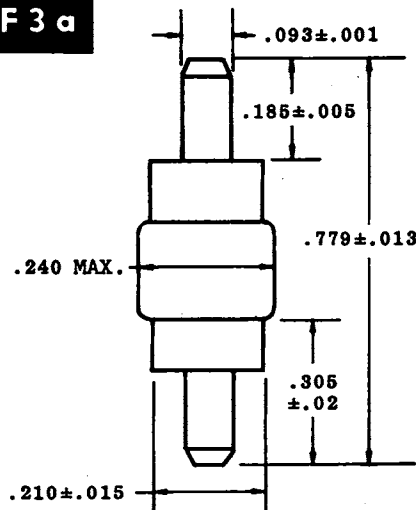
NOTES: (for DO 9)

1. Complete threads to extend within 2 1/2 thds. of head.
2. Dia. of unthreaded portion .67MAX., .660 MIN.
3. Screw Thread Standards for Federal Services (1957 Handbook H28 Part 1) apply to UNF-2A thread (plated).
4. Angular orientation of this terminal is undefined.
5. A chamfer (or undercut) on one or both ends of hexagonal portions is optional.
6. Square or radius on end of terminal is undefined.

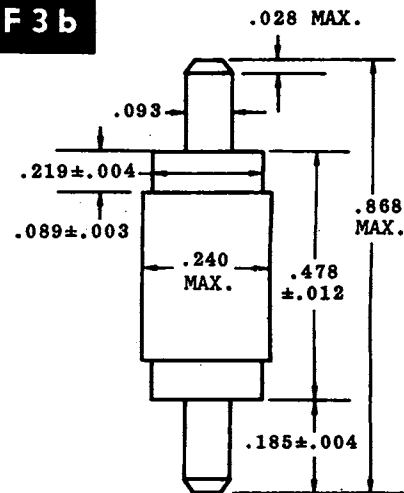
**F 3**



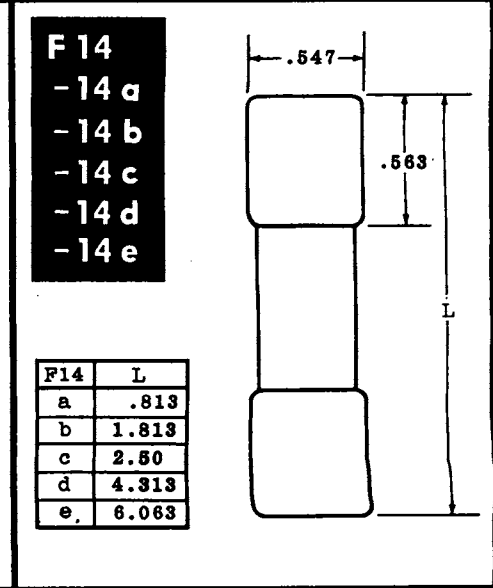
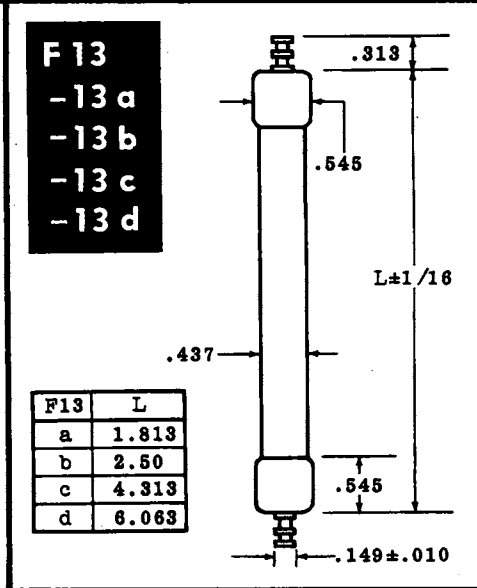
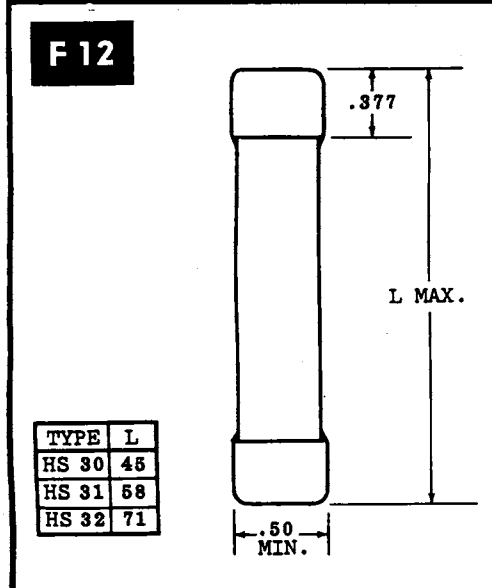
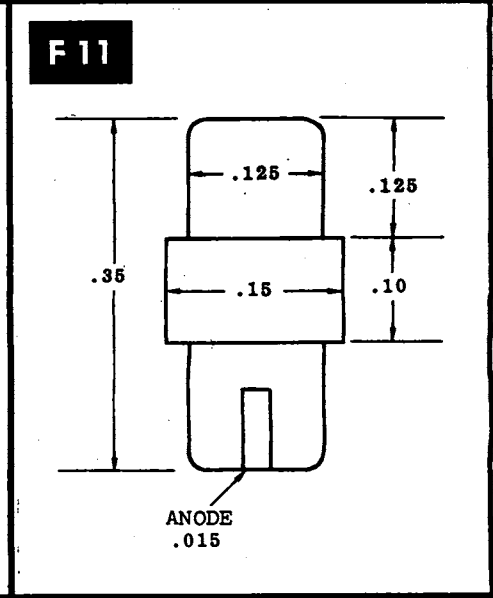
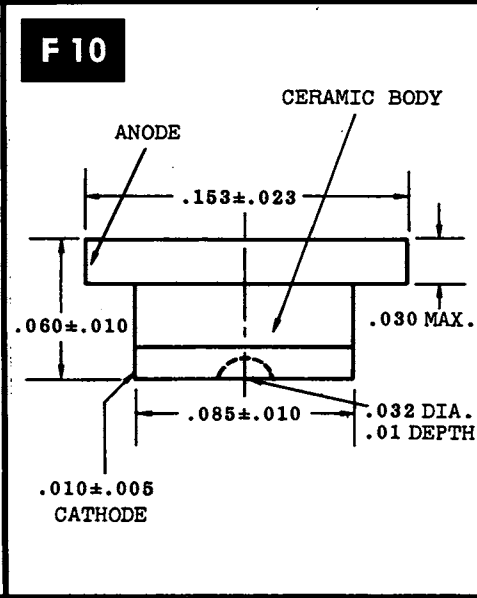
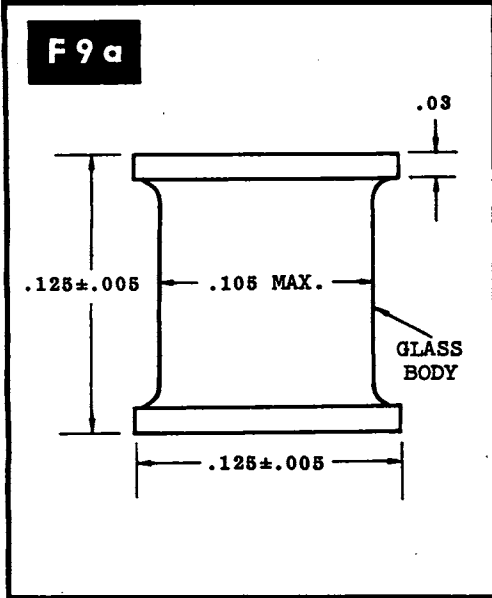
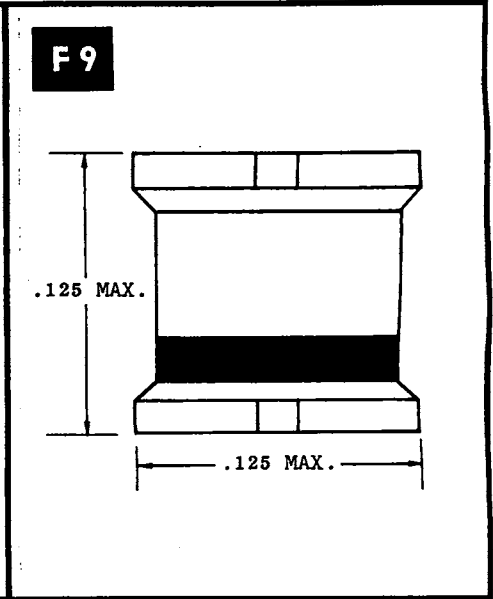
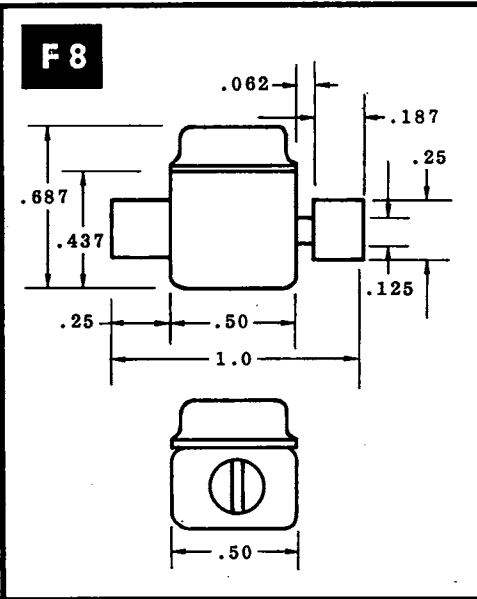
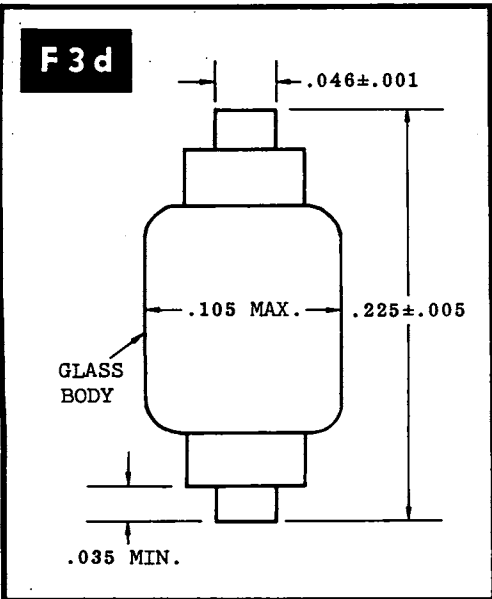
**F 3 a**



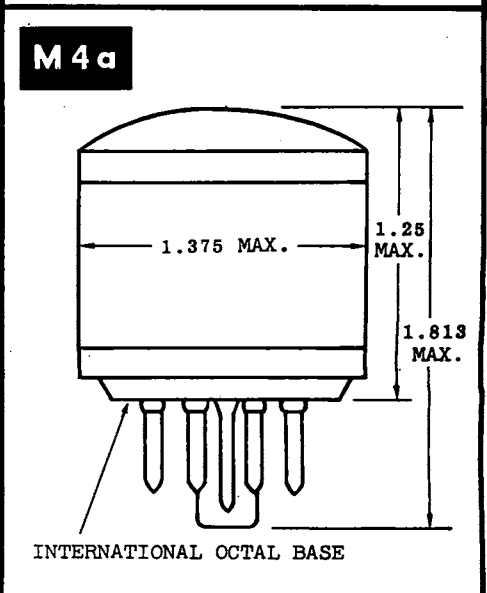
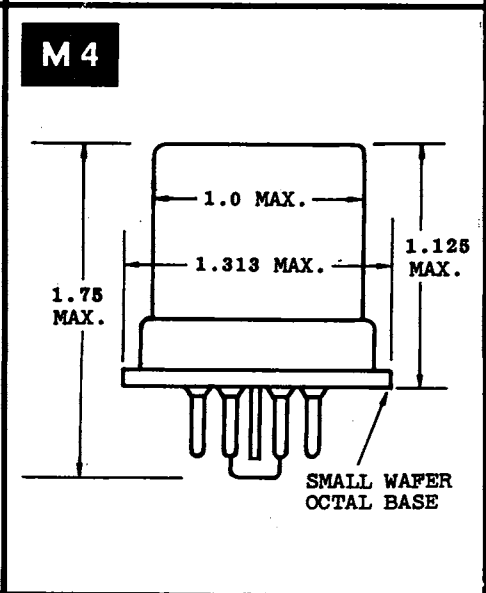
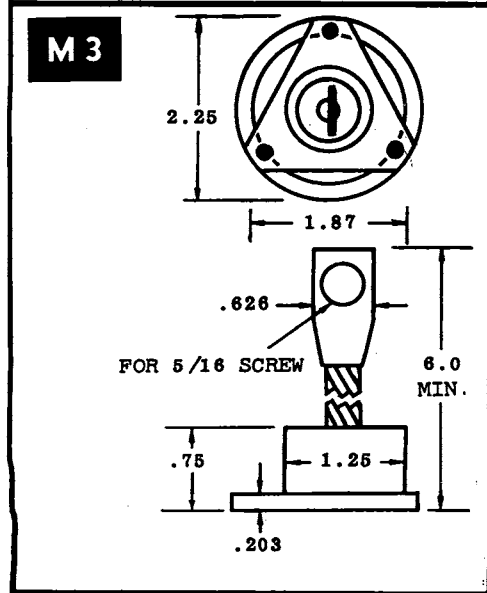
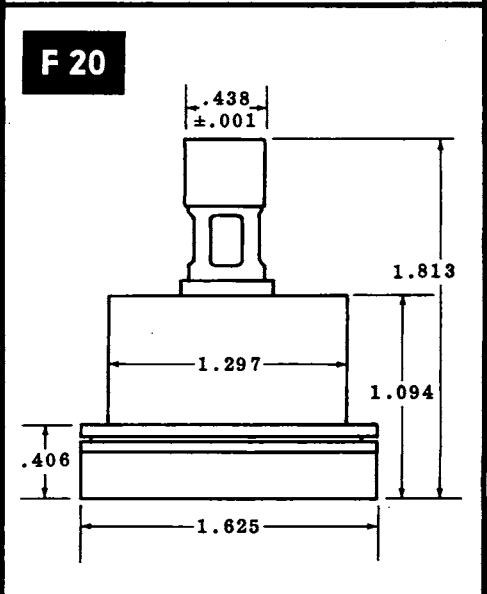
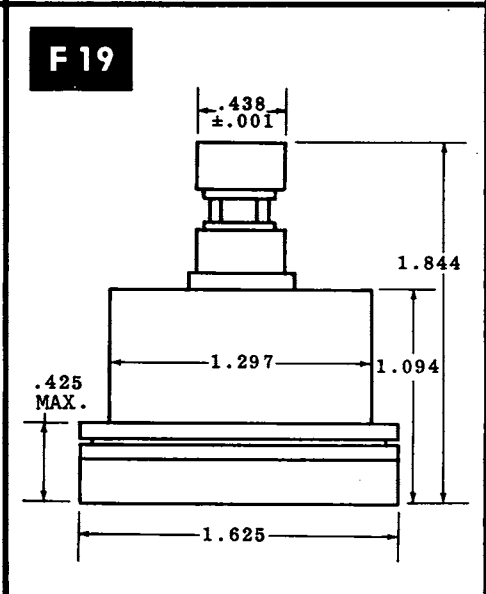
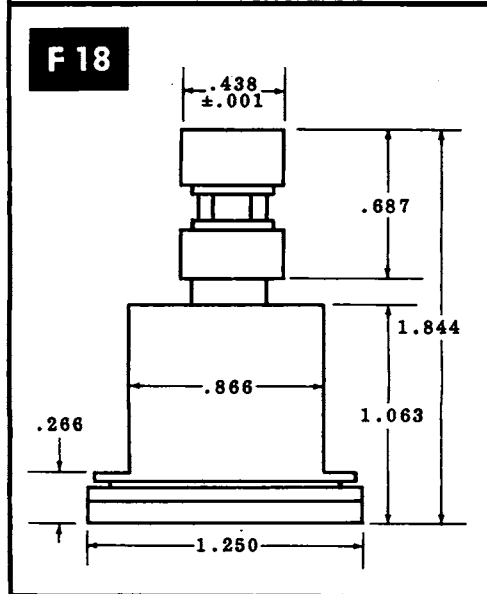
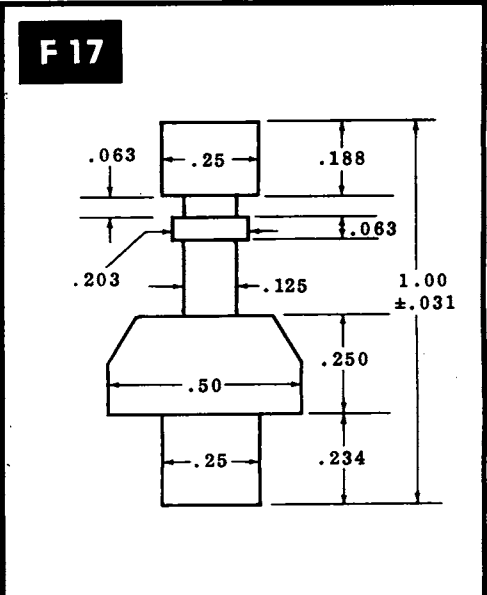
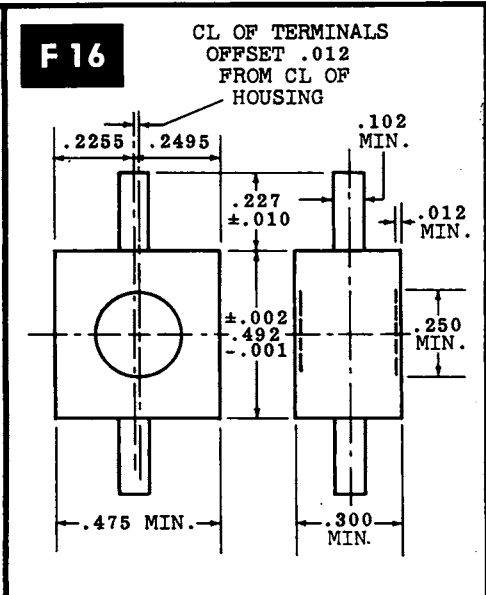
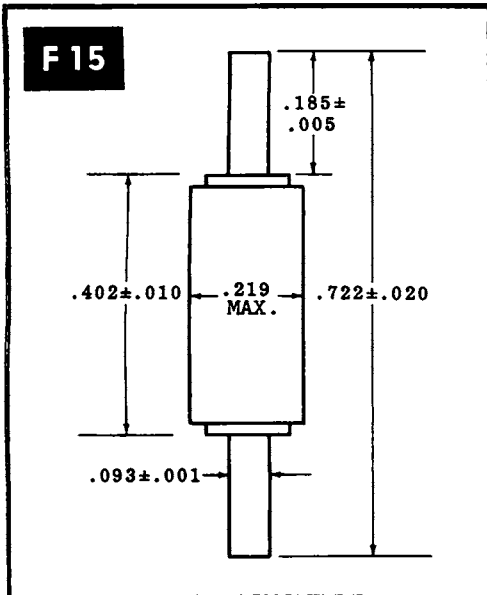
**F 3 b**



# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

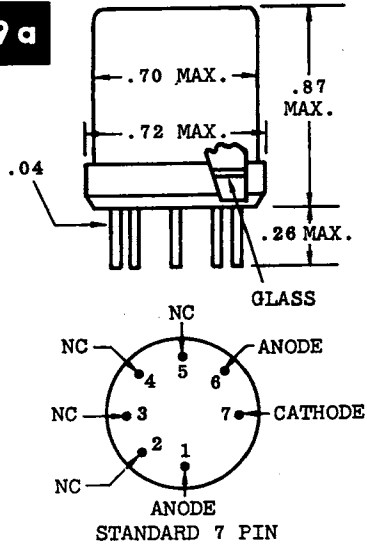


# 11. OUTLINE DRAWINGS

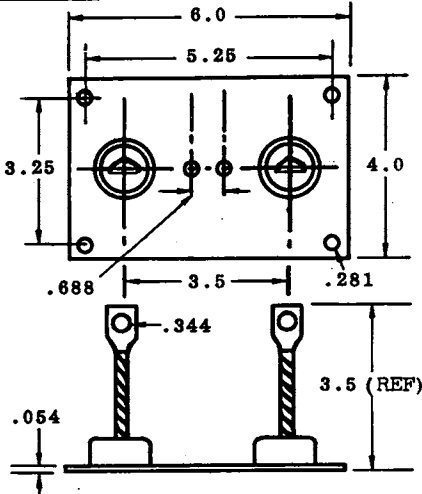
IN ORDER OF CASE NUMBER



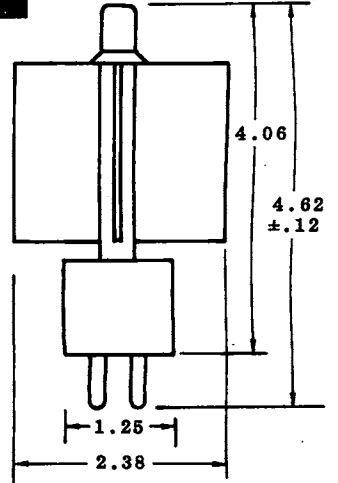
**M 9a**



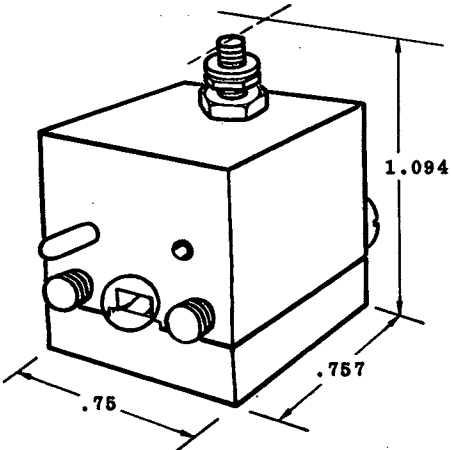
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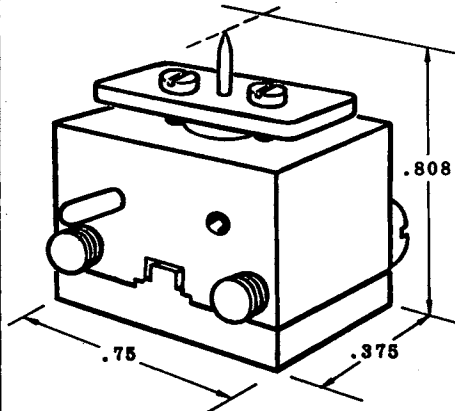
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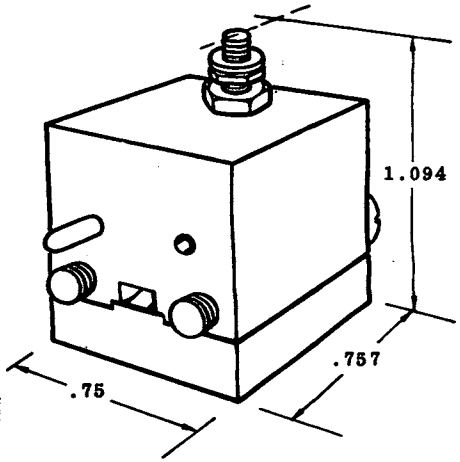
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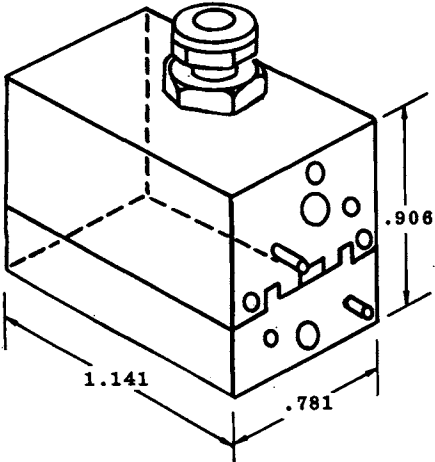
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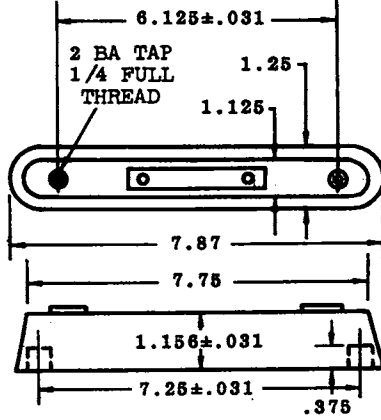
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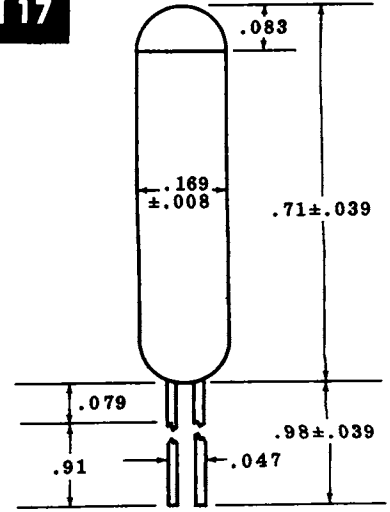
**M 15**



**M 16a**



**M 17**

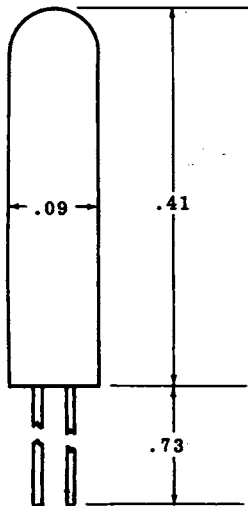




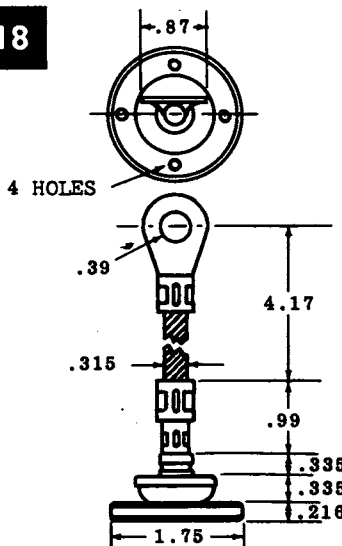
# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



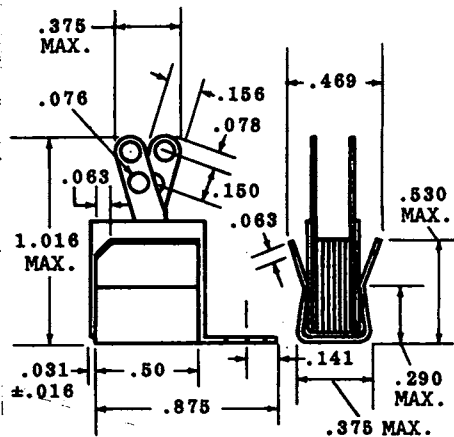
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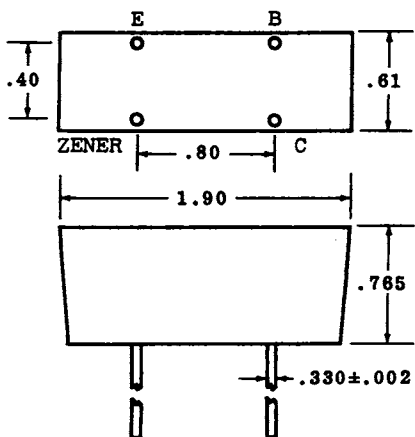
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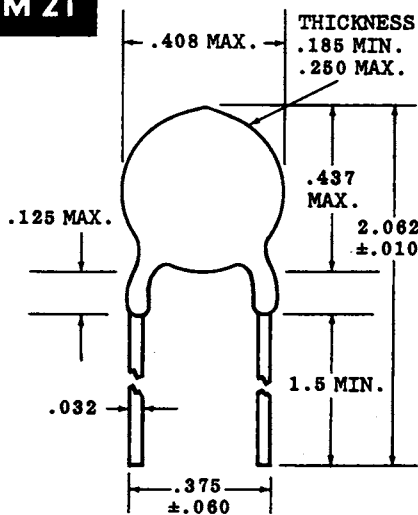
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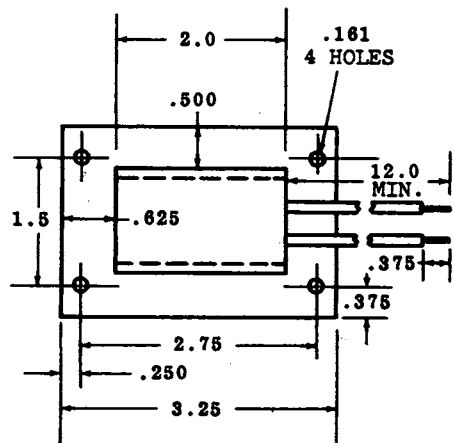
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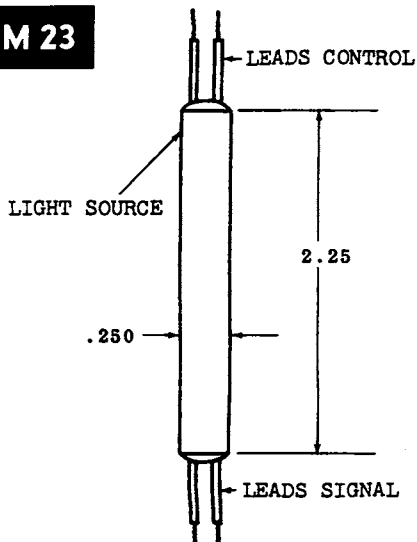
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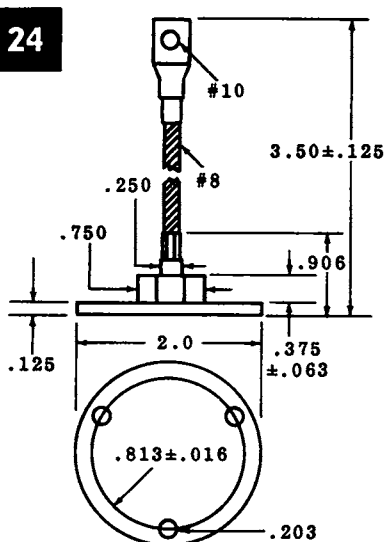
**M 22**



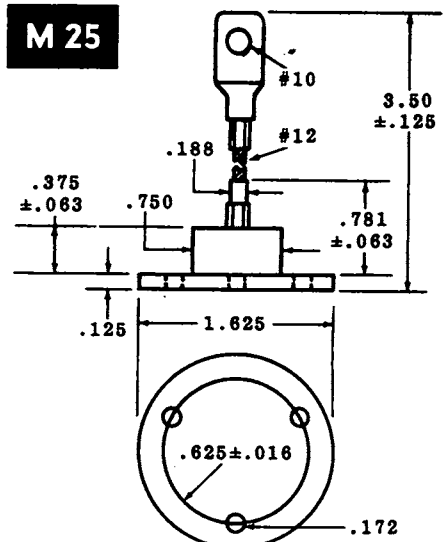
**M 23**



**M 24**

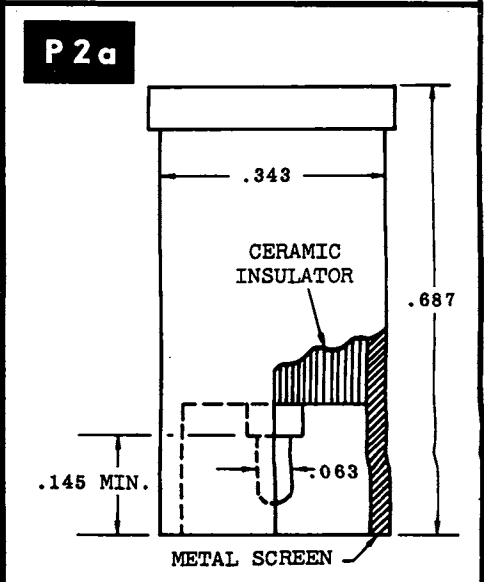
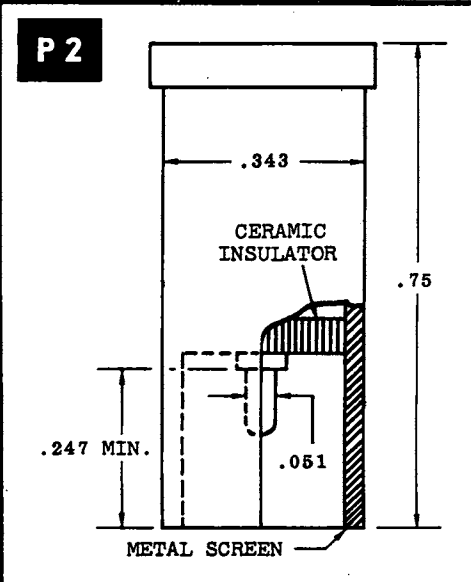
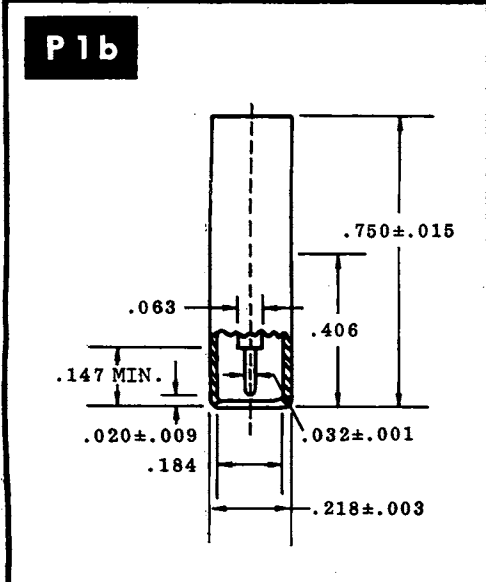
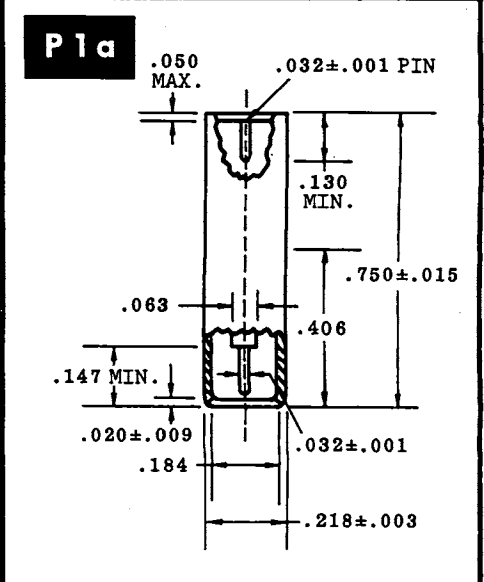
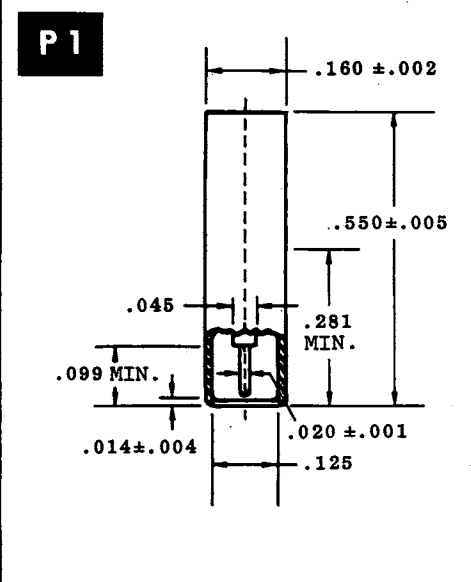
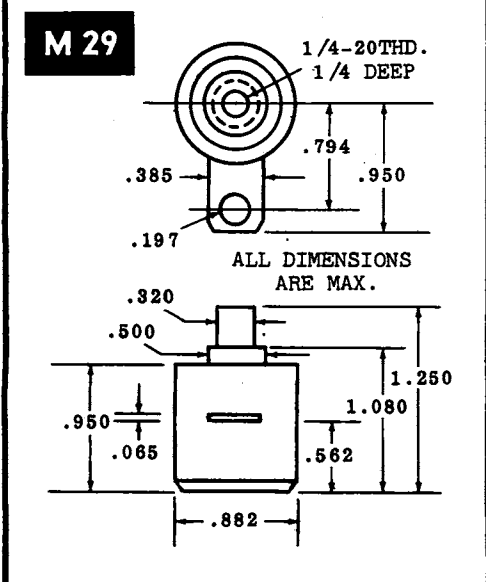
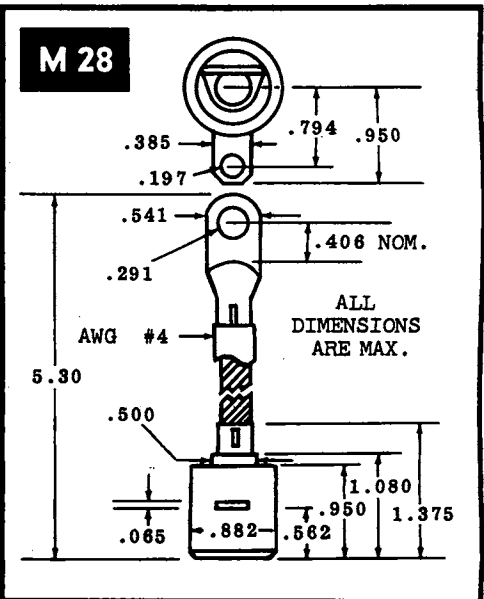
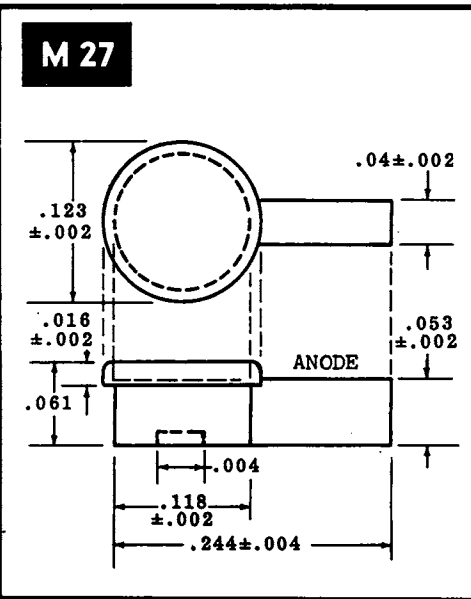
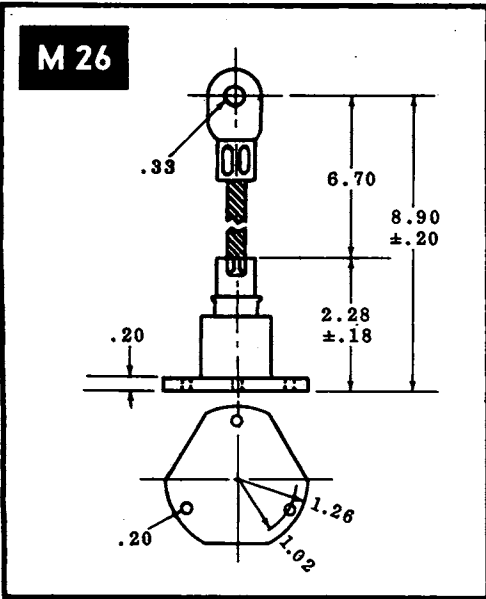


**M 25**

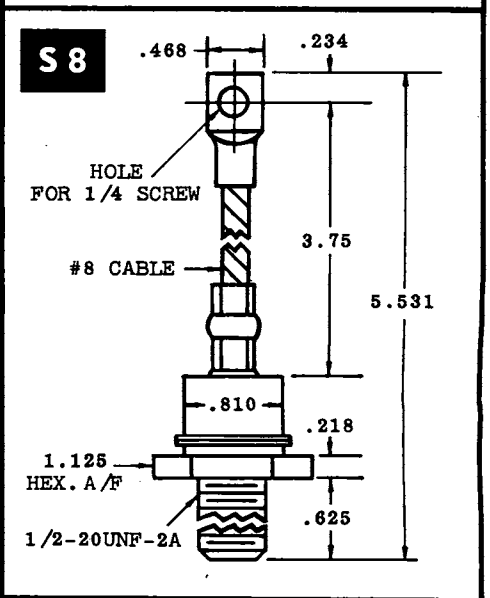
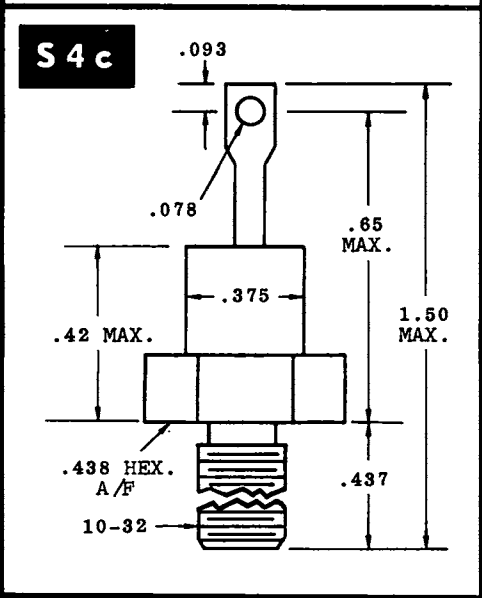
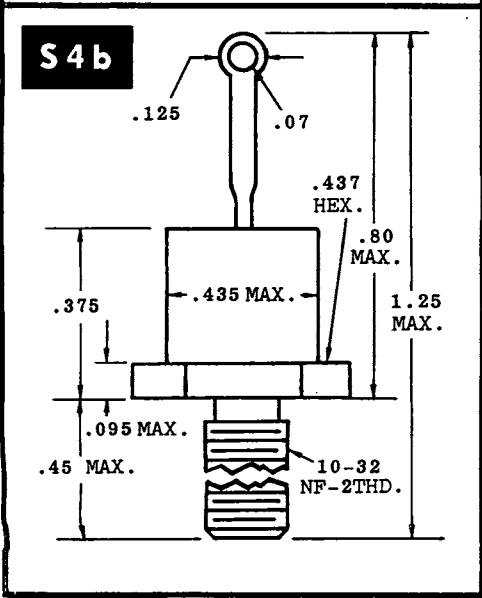
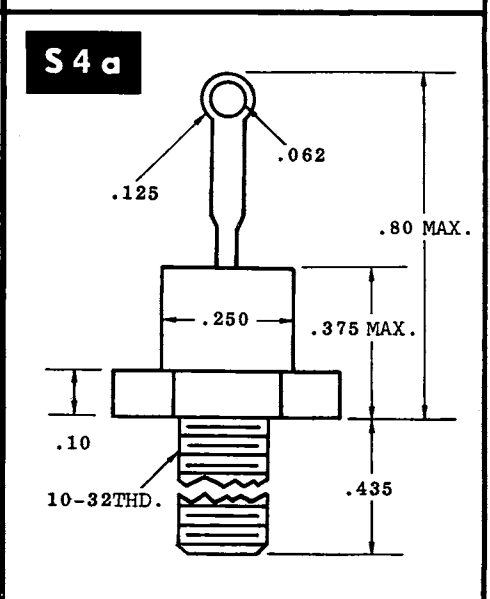
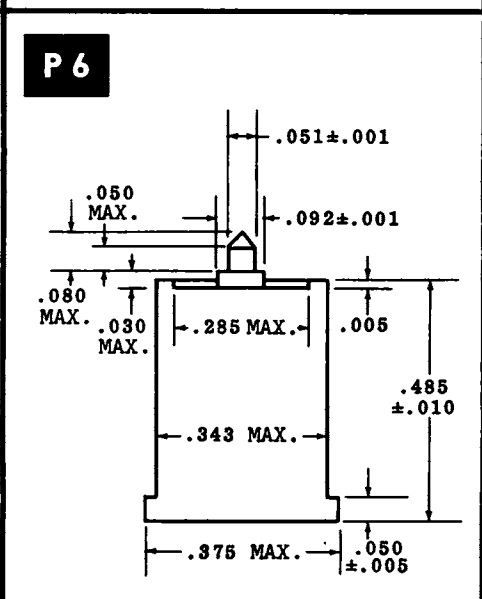
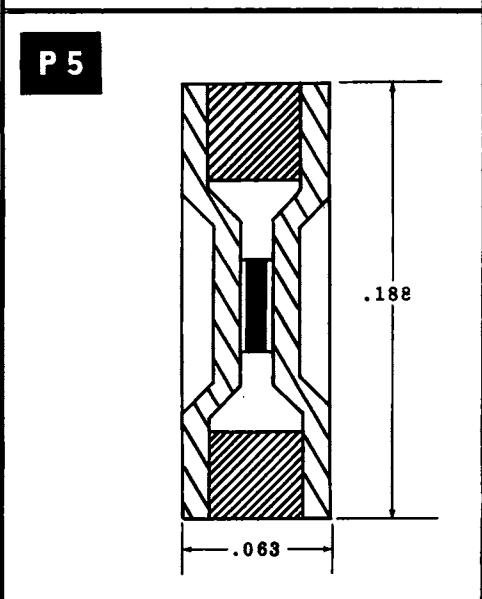
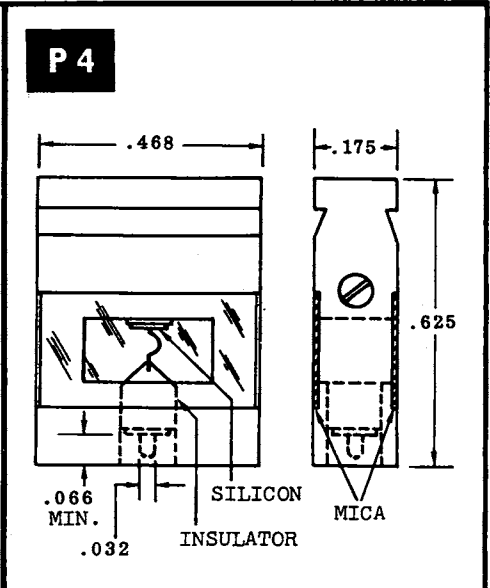
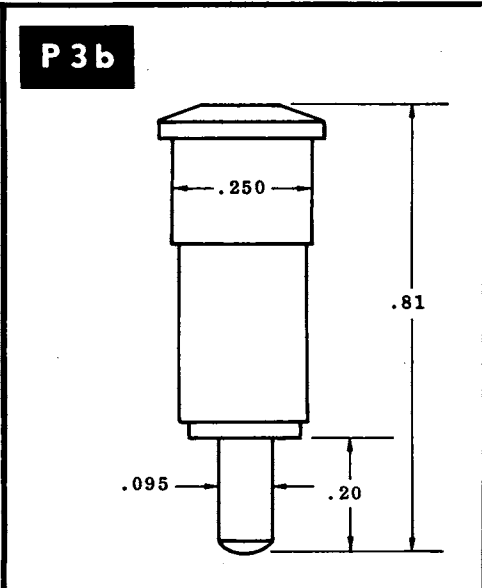
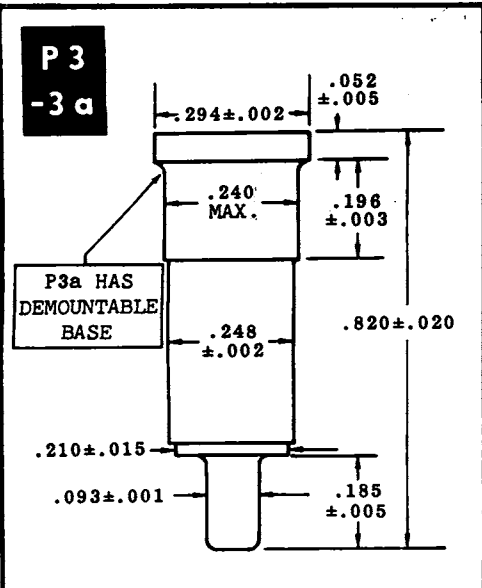


# 11. OUTLINE DRAWINGS

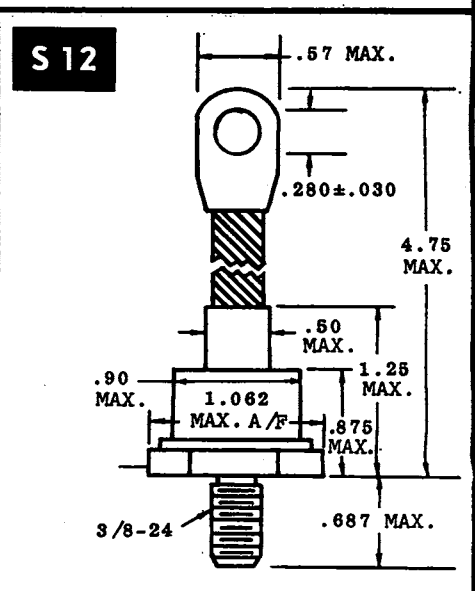
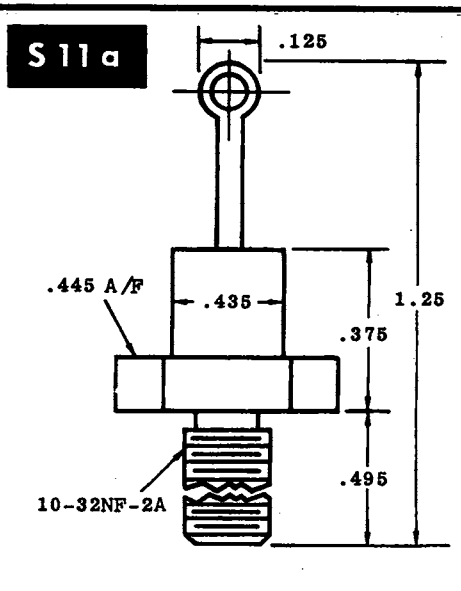
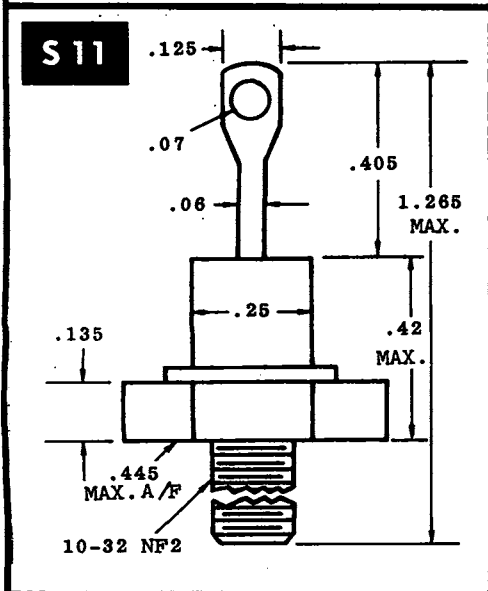
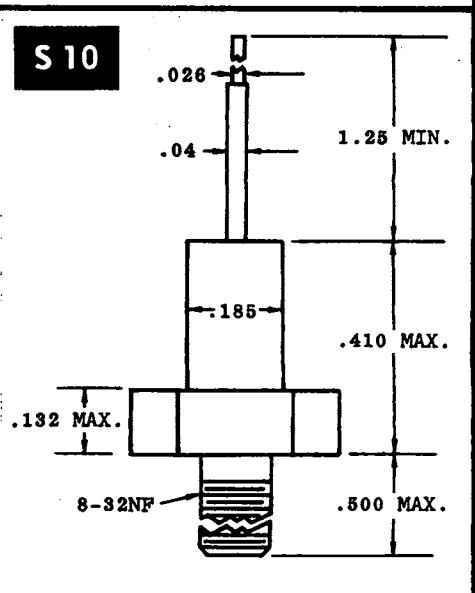
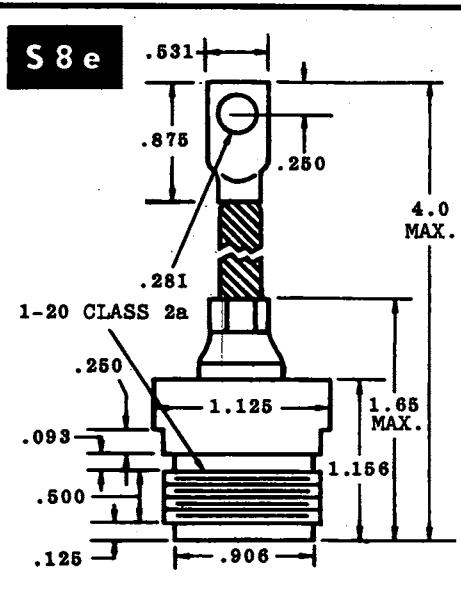
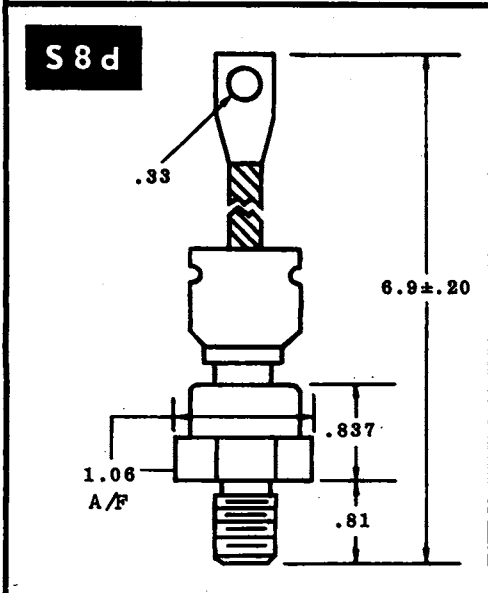
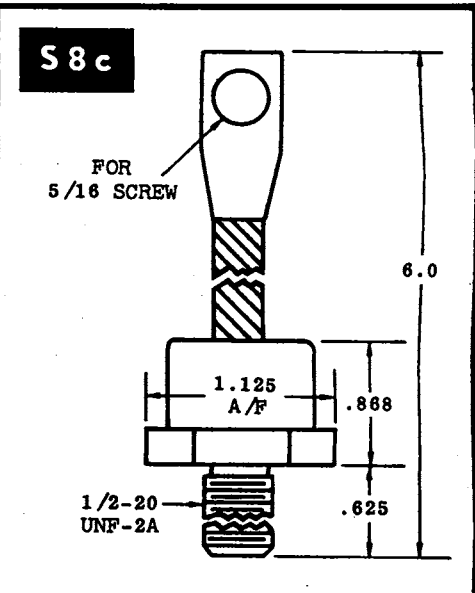
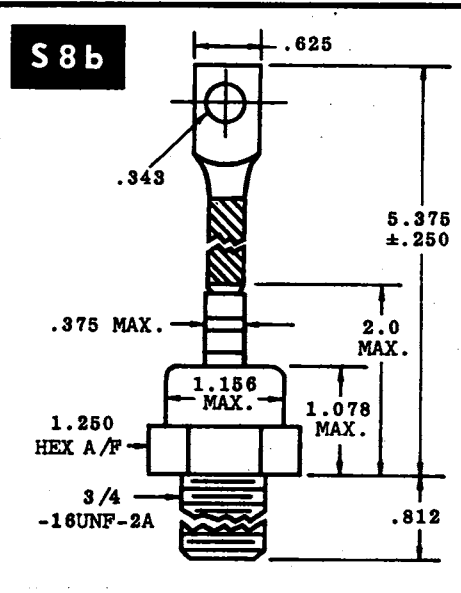
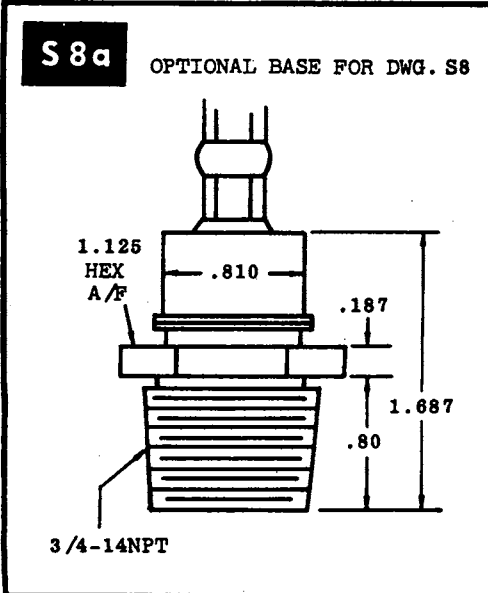
IN ORDER OF CASE NUMBER



# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



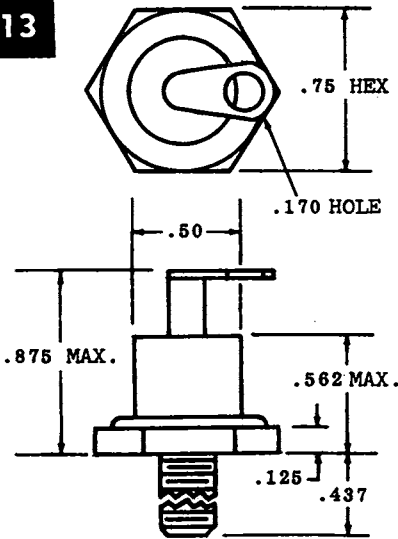
# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



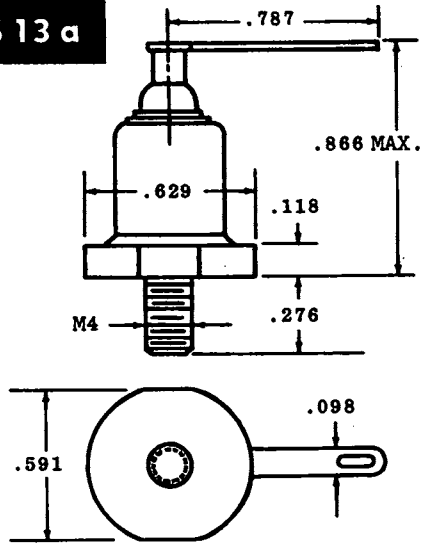
# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



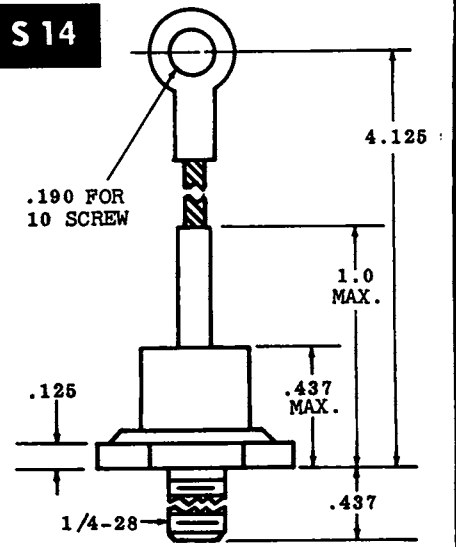
**S 13**



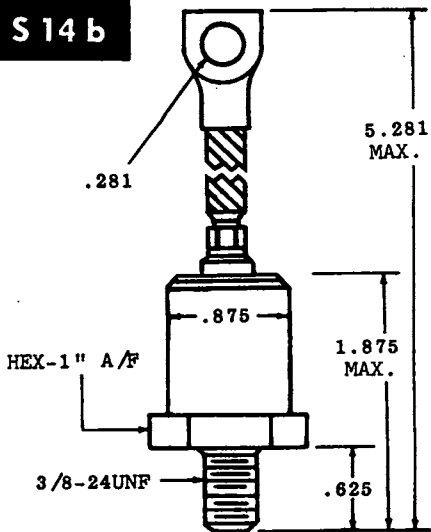
**S 13 a**



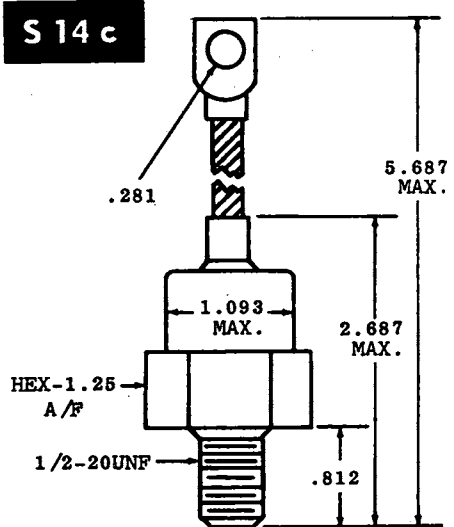
**S 14**



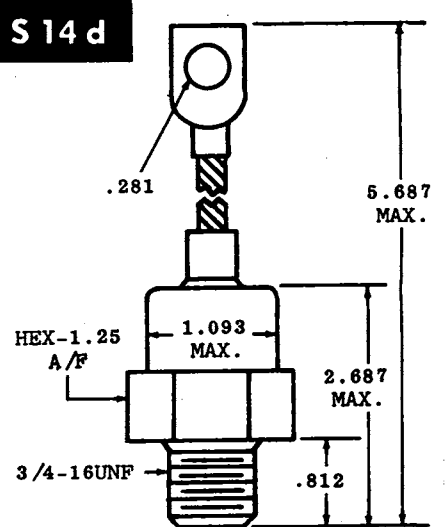
**S 14 b**



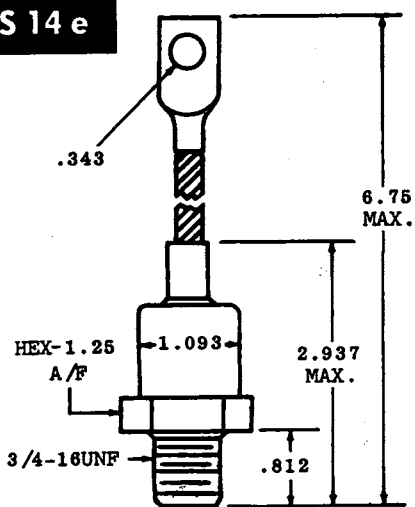
**S 14 c**



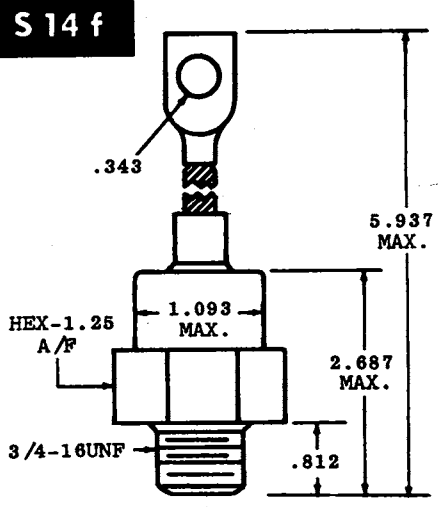
**S 14 d**



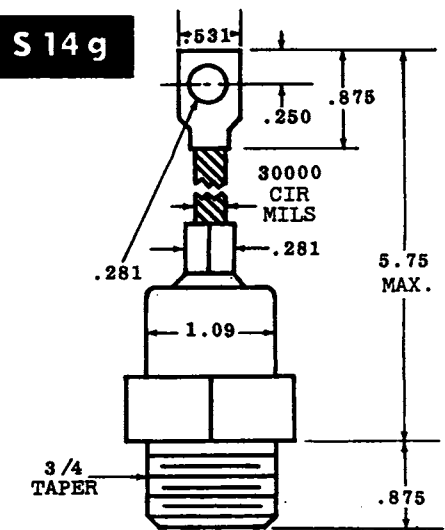
**S 14 e**



**S 14 f**

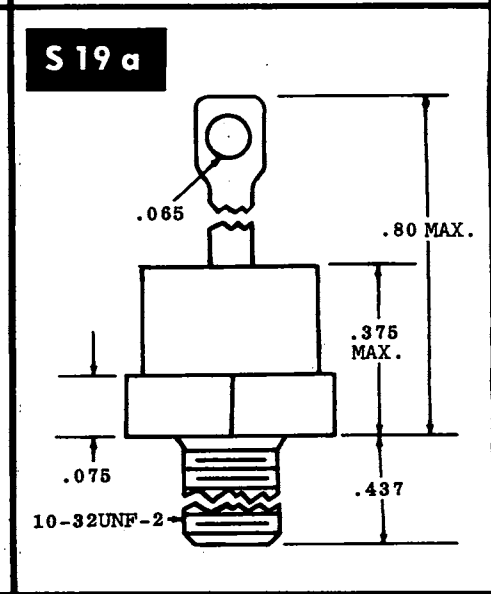
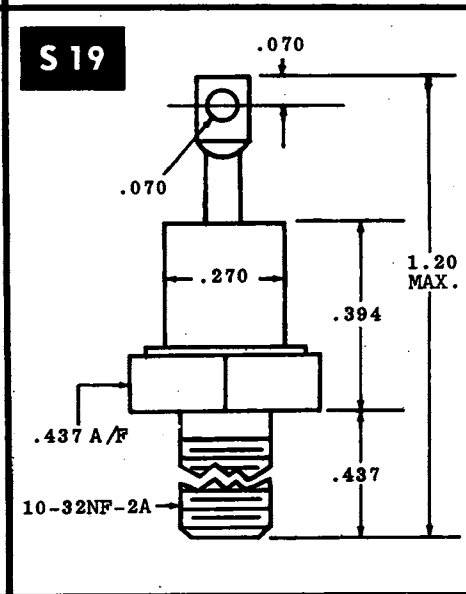
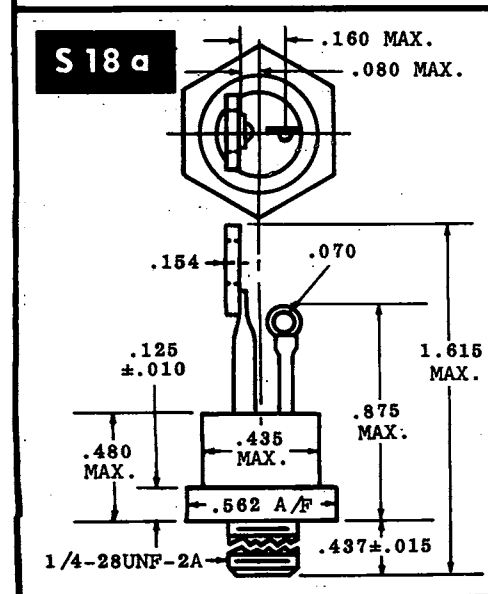
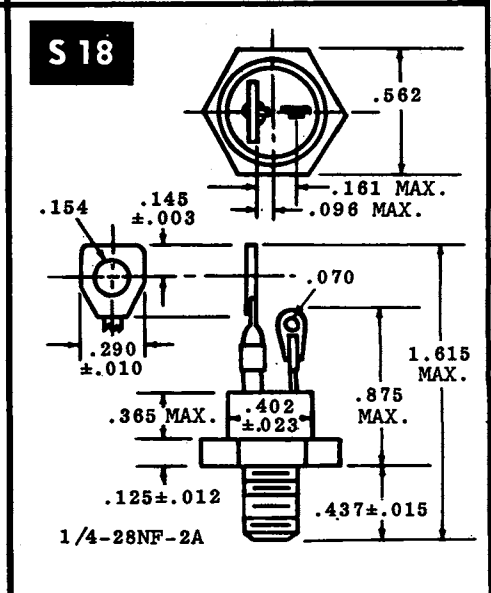
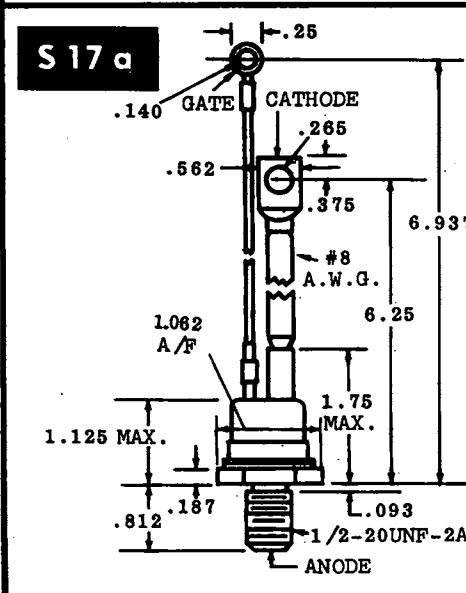
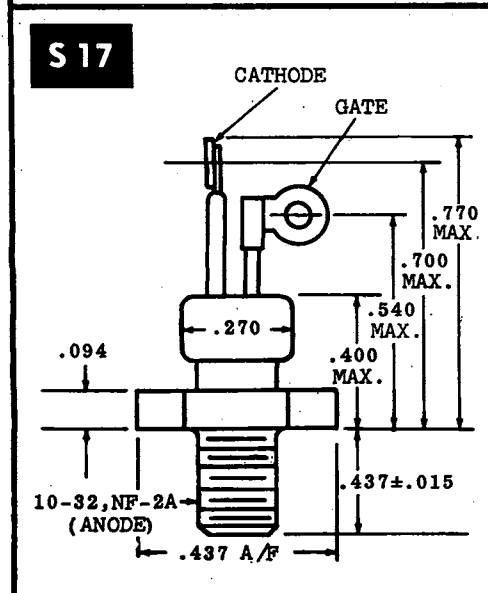
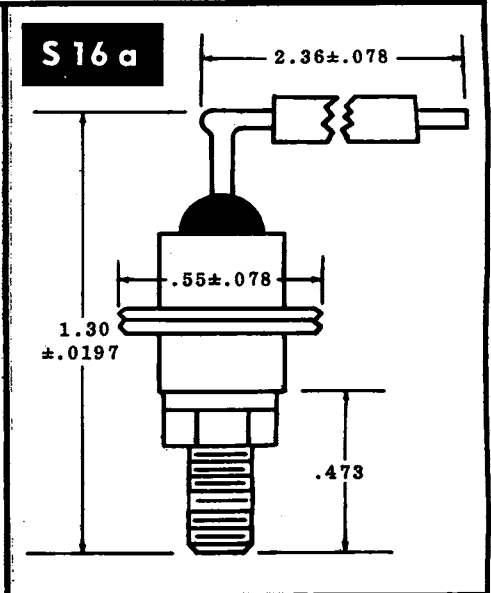
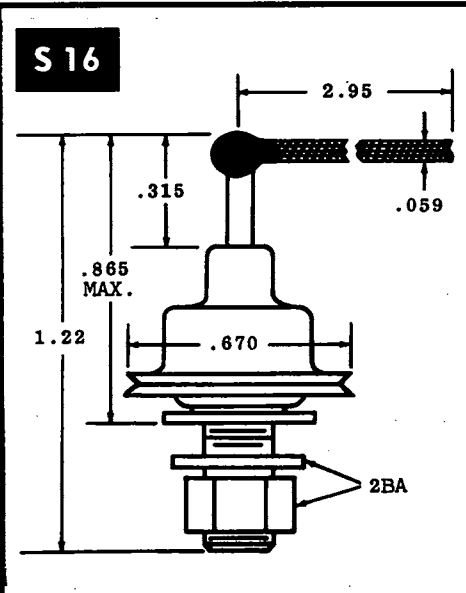
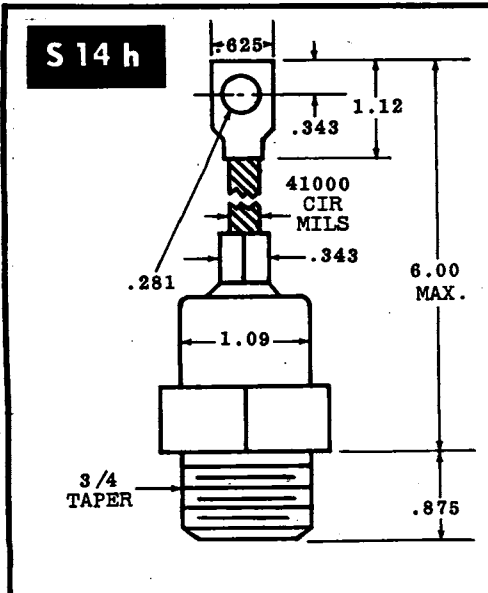


**S 14 g**



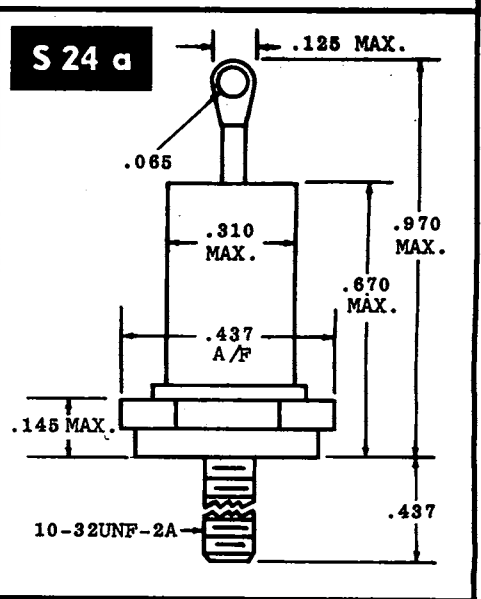
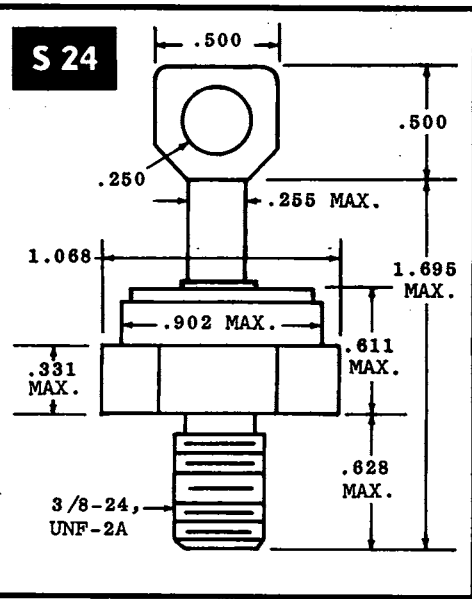
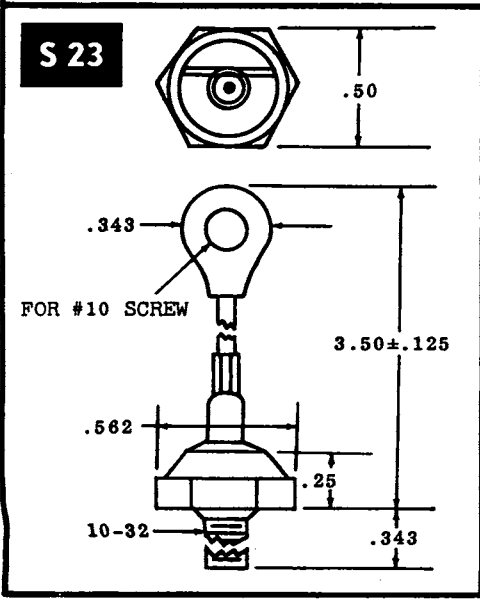
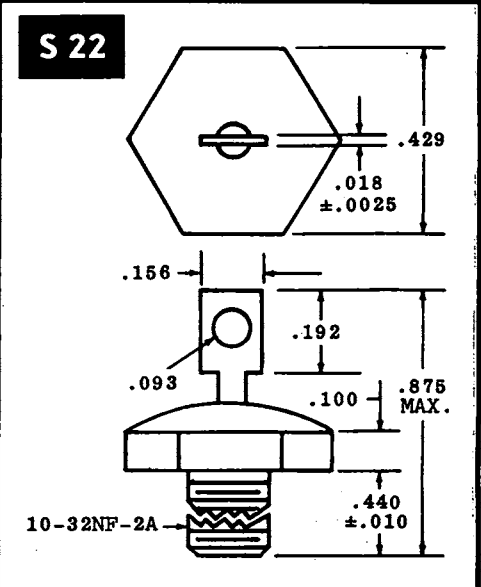
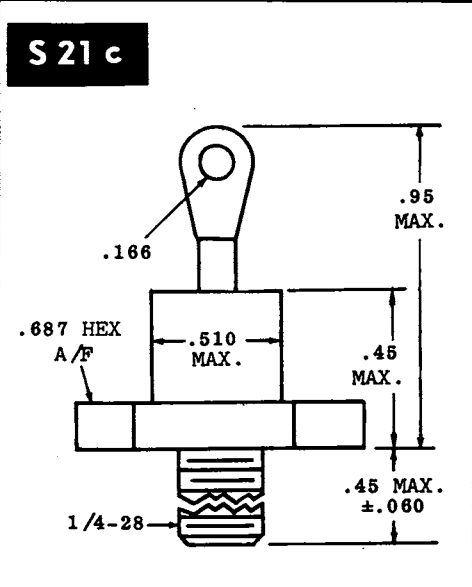
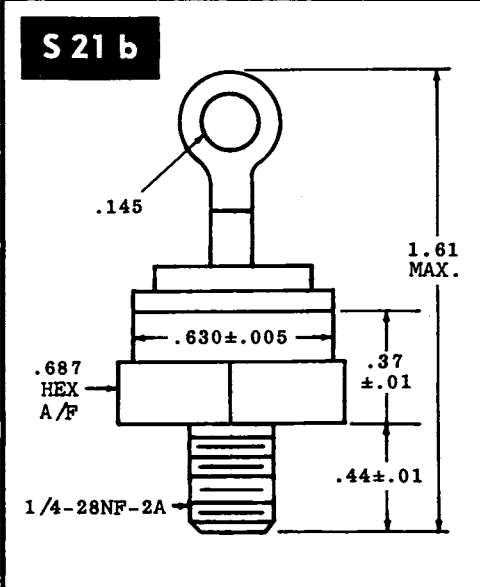
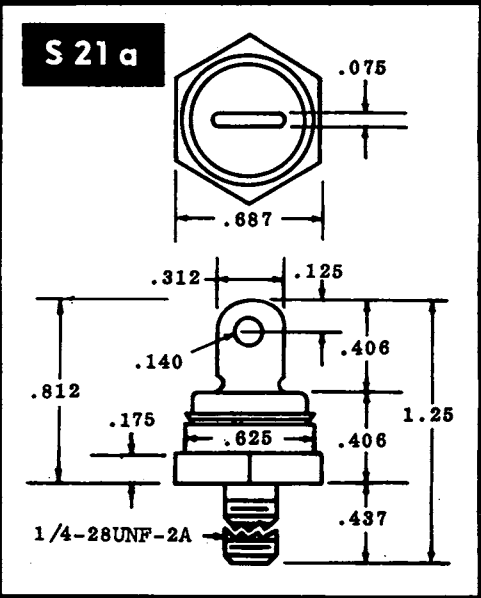
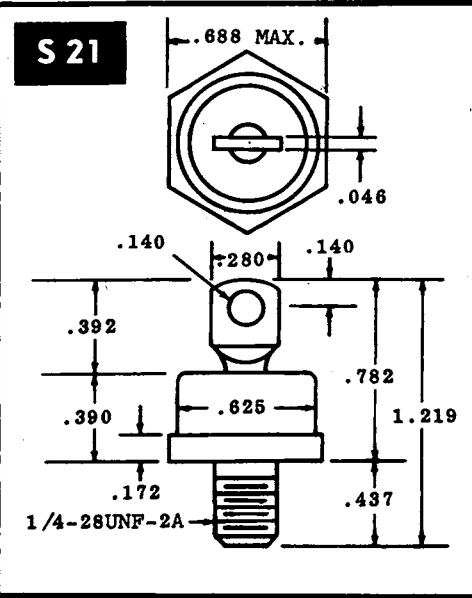
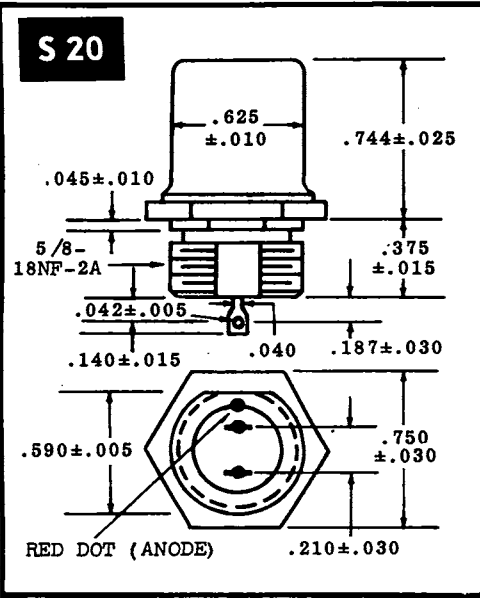
# 11. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

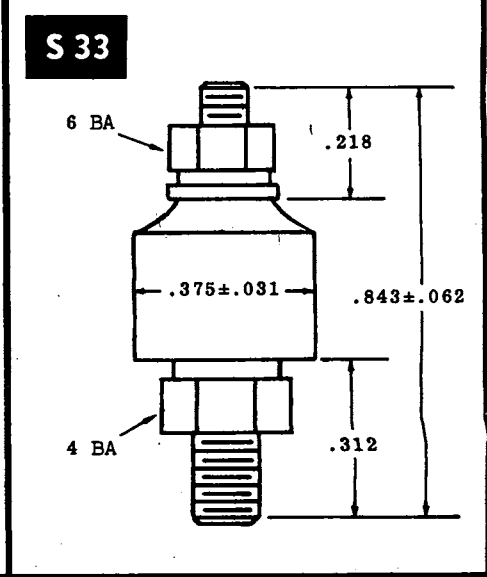
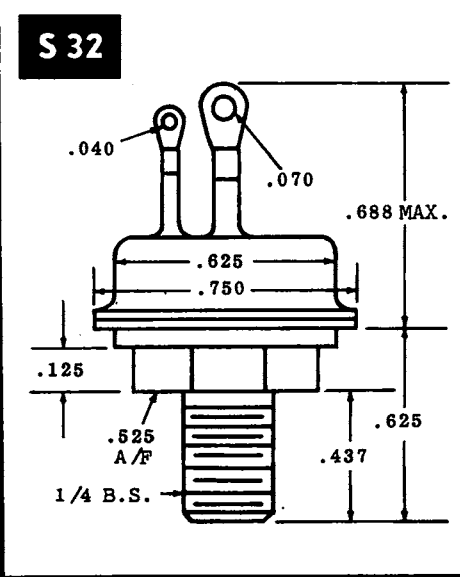
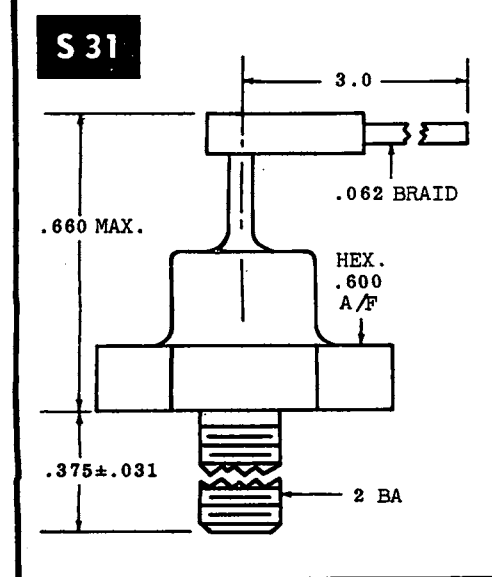
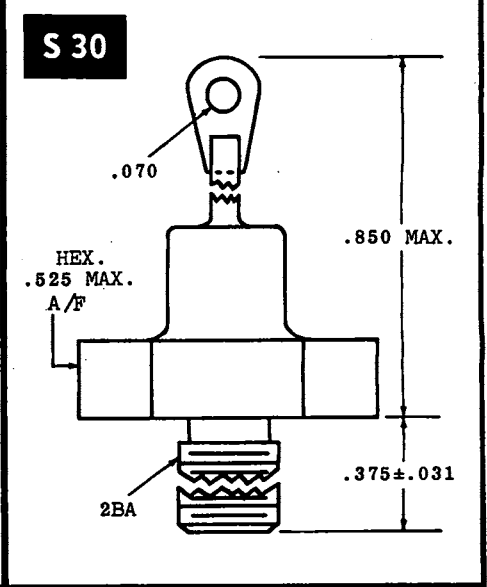
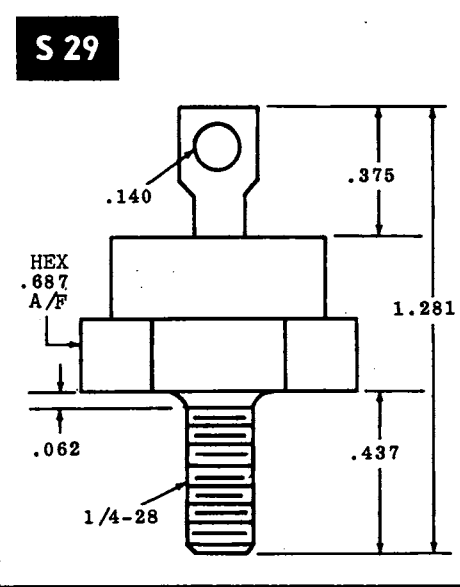
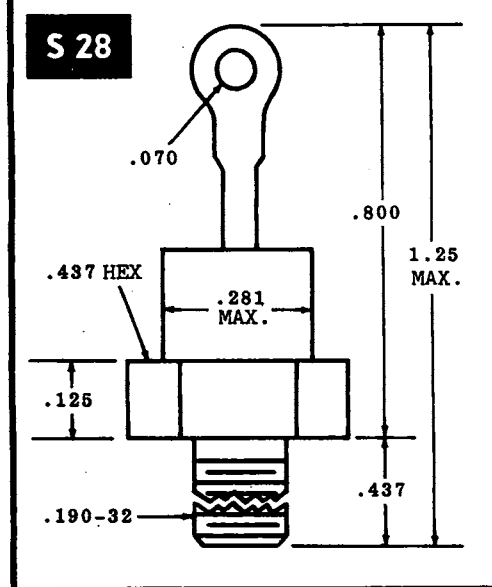
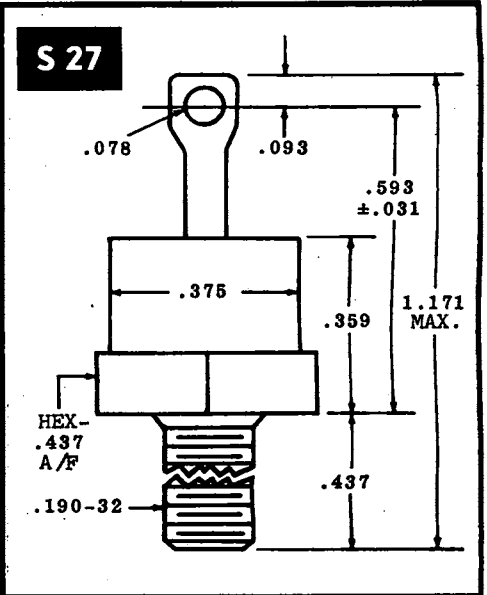
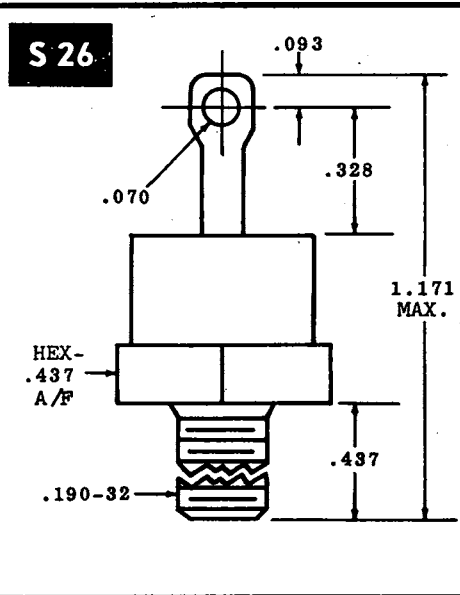
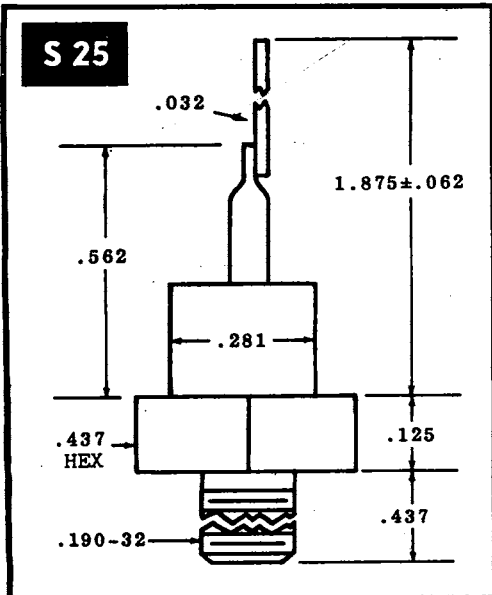


# 11. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

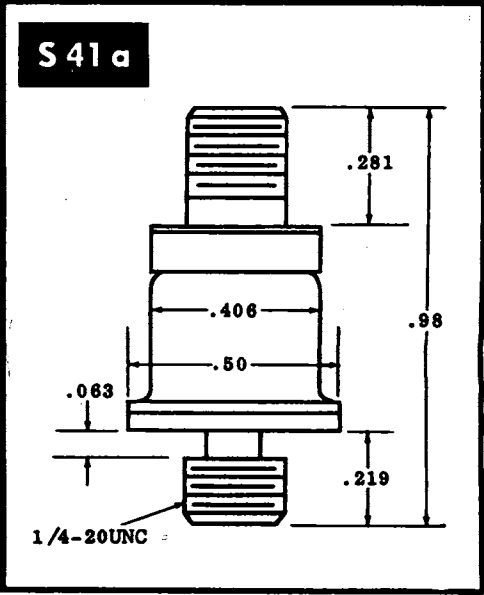
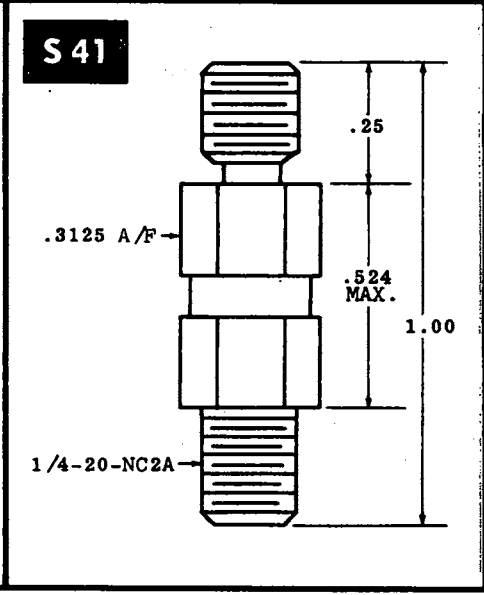
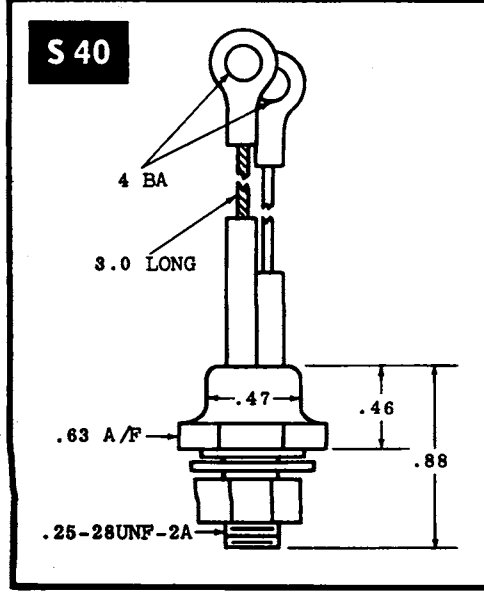
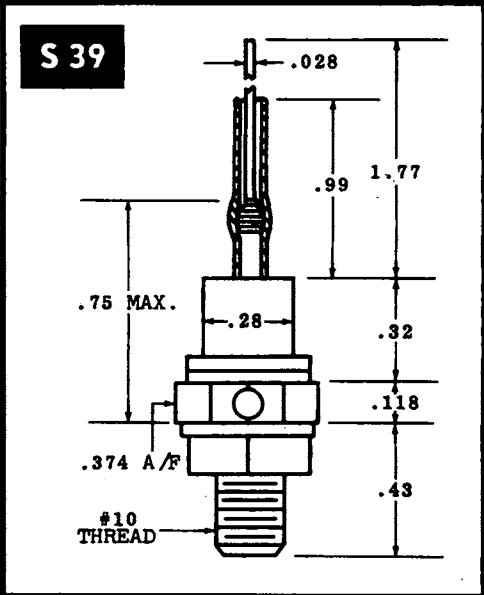
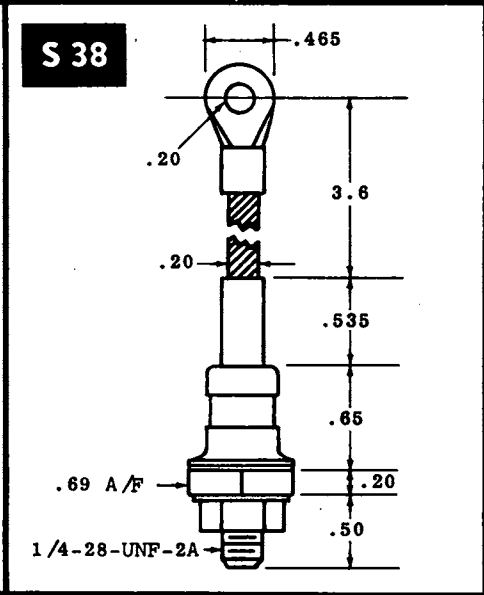
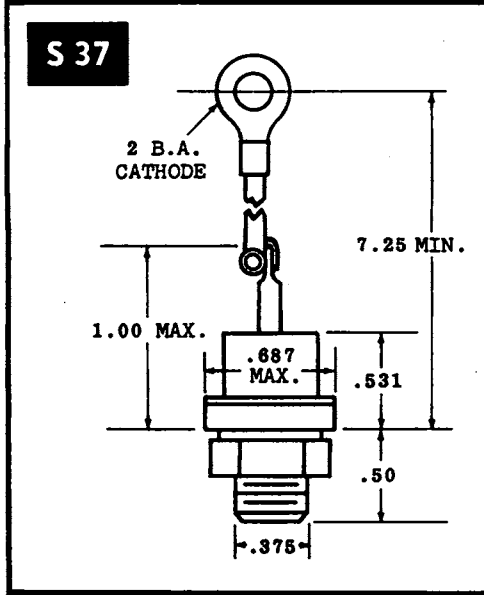
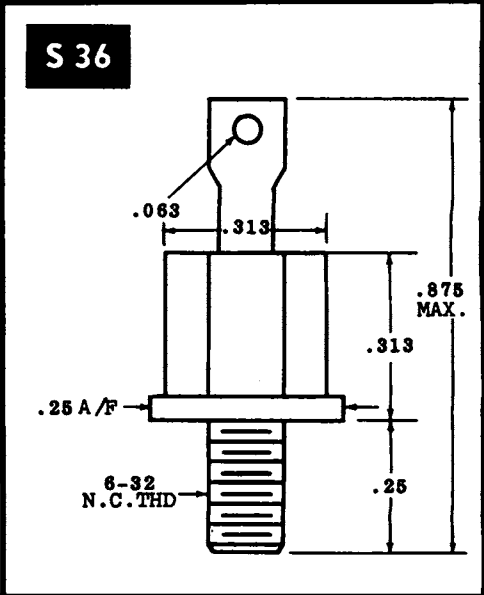
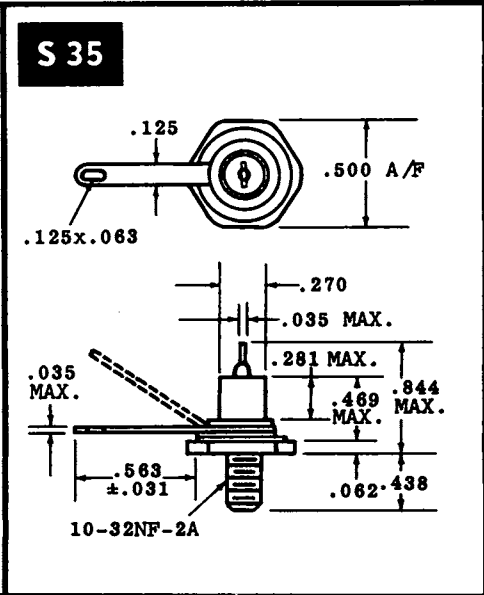
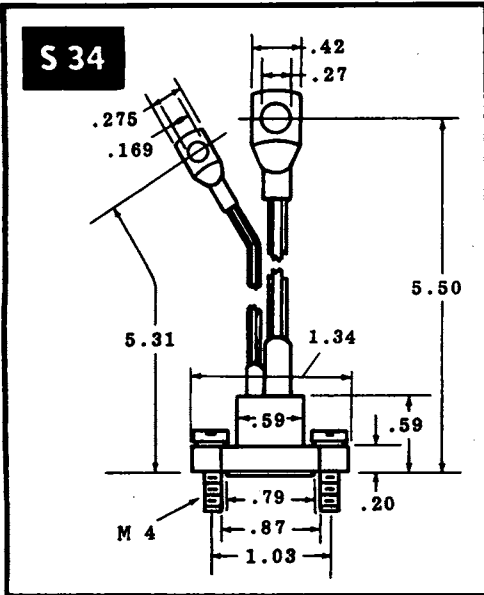


# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



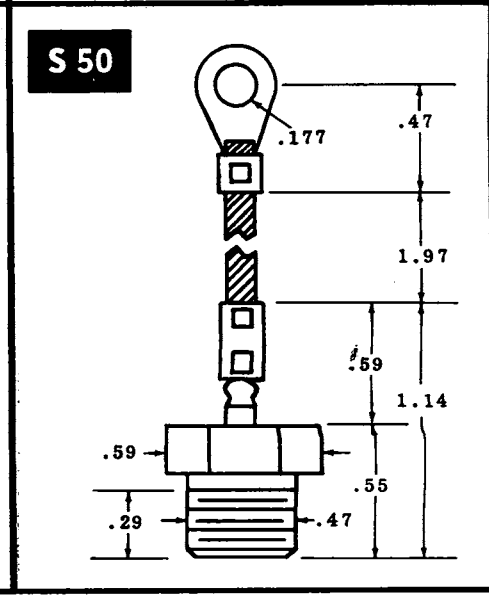
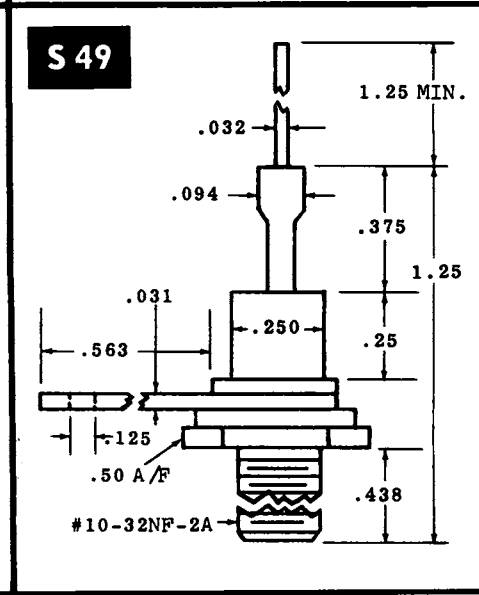
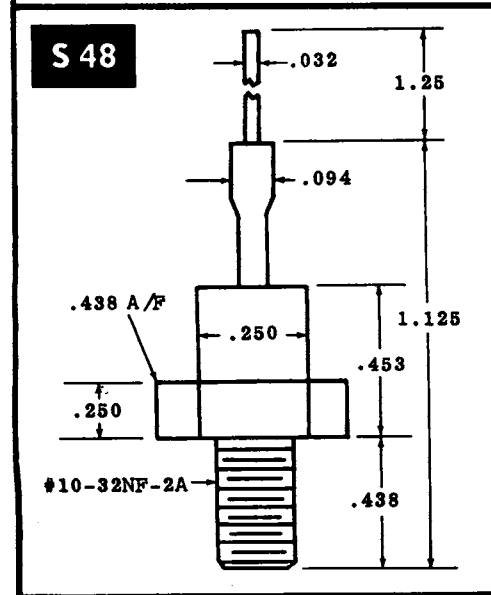
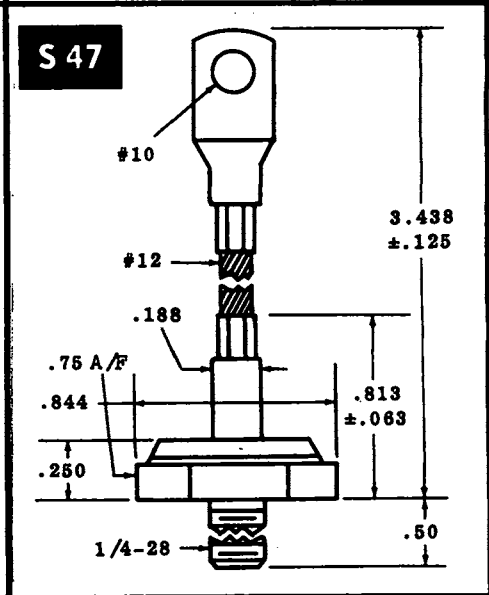
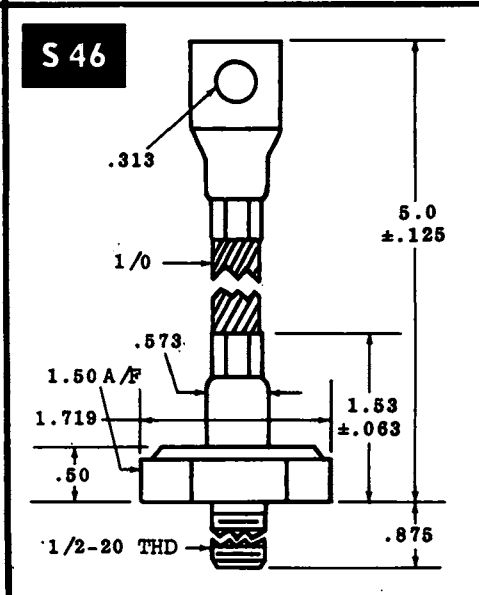
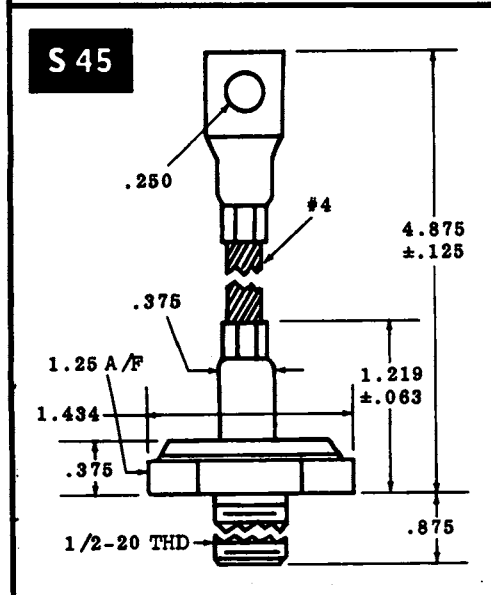
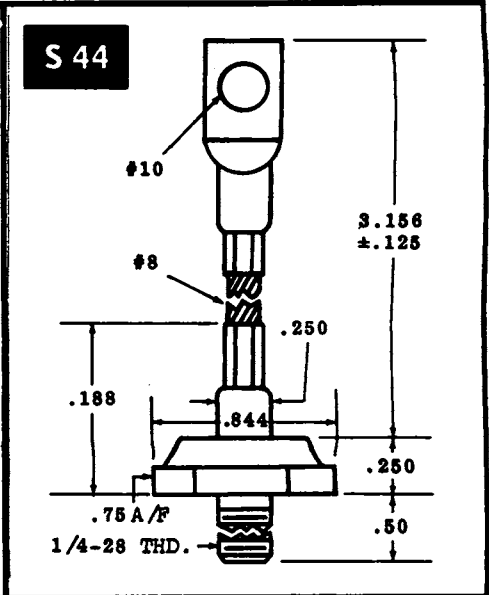
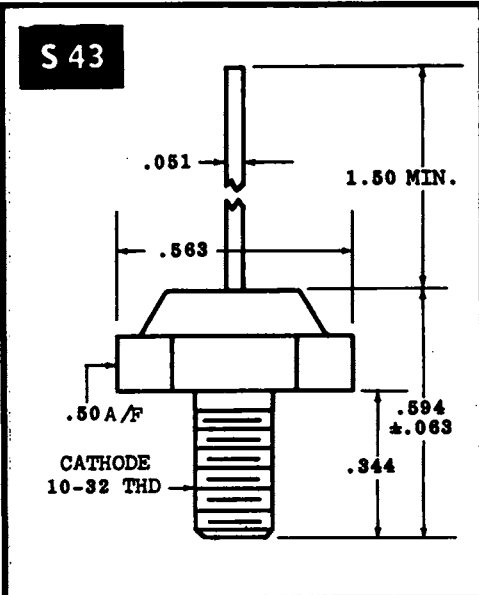
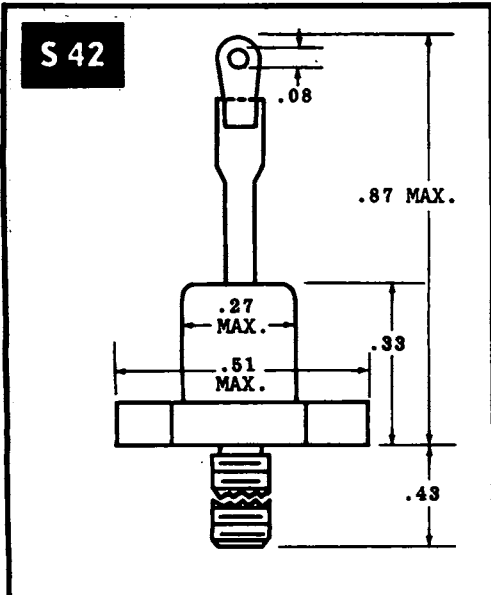


# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER

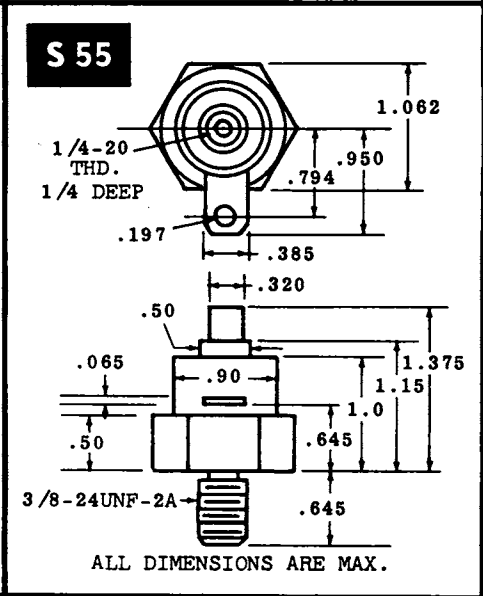
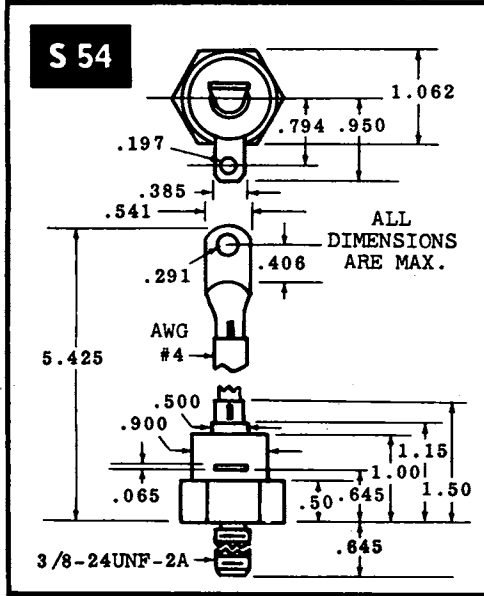
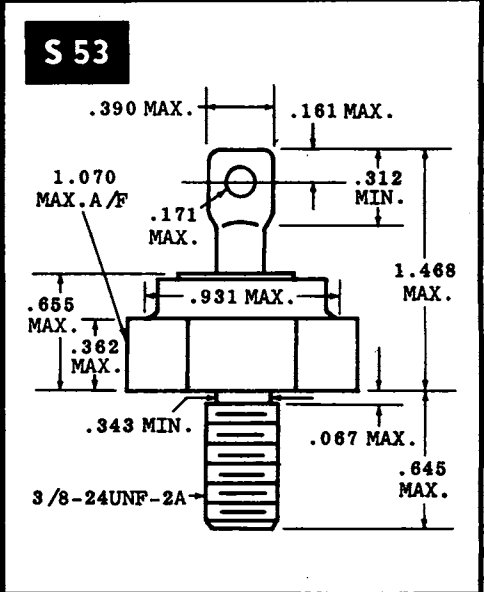
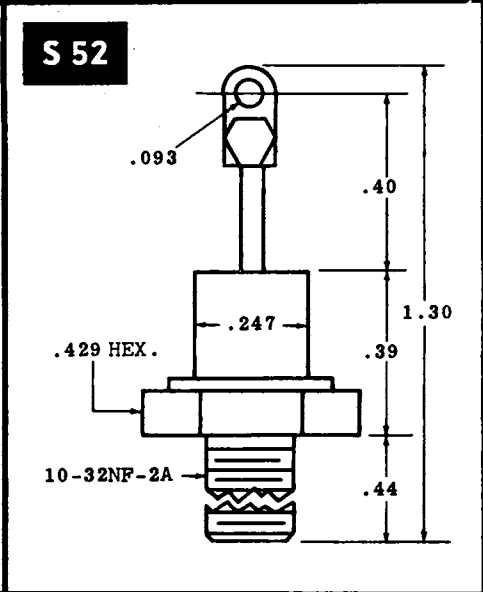
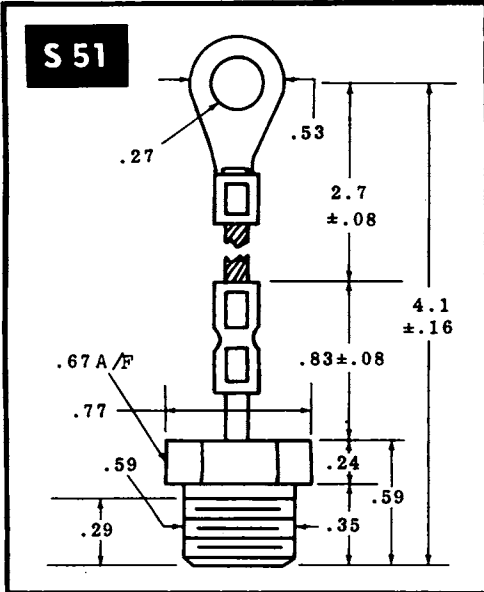


# 11. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER

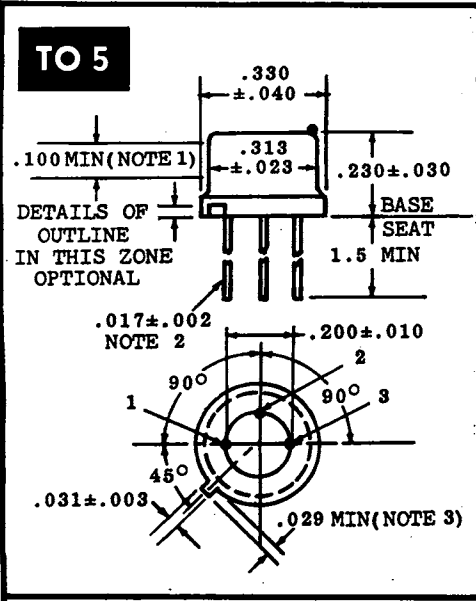


# 11. OUTLINE DRAWINGS IN ORDER OF CASE NUMBER



# 11. OUTLINE DRAWINGS

IN ORDER OF CASE NUMBER



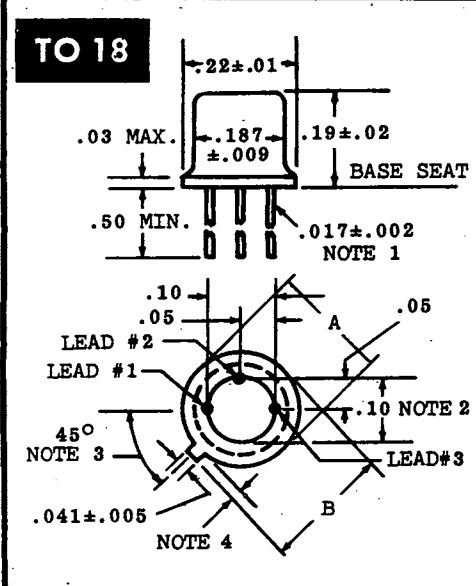
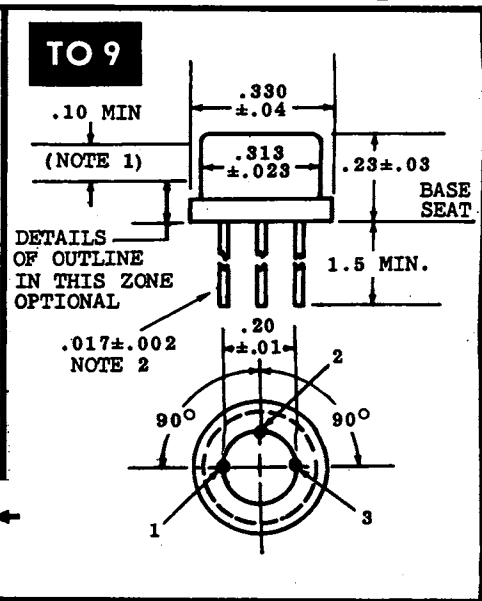
NOTES: (FOR TO 5 and TO 9)

This device is for socketed, singlesided circuit-board, wire in and similar applications, where used in double-sided or eyeleted circuit-board or similar applications where solder bridging may occur. A dielectric washer or other standoff device may be necessary.

NOTE 1: This zone is controlled for automatic handling. The variation in actual dia. within this zone shall not exceed .010.

NOTE 2: The specified lead dia. applies in the zone between .050 and .250 from the base seat. Between .250 and 1.5 a max. of .021 dia. is held. Outside of these zones the lead dia. is not controlled.

NOTE 3: Measured from max. dia. of the actual device.



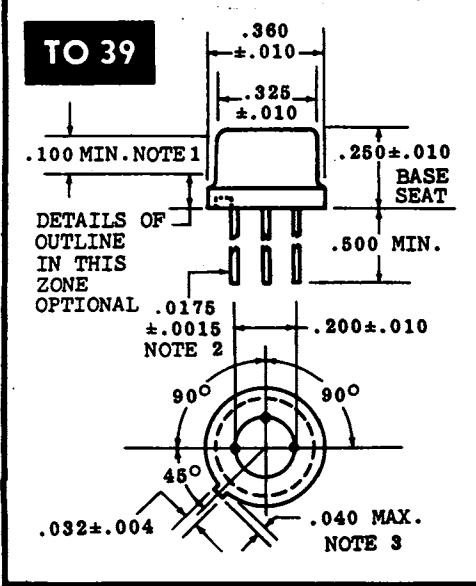
NOTES:

1. The specified lead dia. applies to the zone between .050 and .250 from the base seat. Between .250 and end of lead a max. of .021 is held. Outside of these zones the lead dia. is not controlled.

2. Max. dia. leads at a gaging plane .054 - .001 - .000 below base seat to be within .007 of their tube location relative to max. width tab and to the max. .230 dia. measured with a suitable gage. When gage is not used, measurement will be made at base seat.

3. Index tab for visual orientation only.

4. Tab length to be .028 min. - .048 max., and will be determined by subtracting dia. A from dimension B.



NOTES: (for TO 39)

This device is for socketed, singlesided circuit-board, wire-in and similar applications, where used in double-sided or eyeleted circuit-board or similar applications where solder bridging may occur, A dielectric washer or other stand-off device may be necessary.

NOTE 1 This zone is controlled for automatic handling. The variation in actual diameter within this zone shall not exceed .010.

NOTE 2 The specified lead diameter applies in the zone between .050 and .250 from the base seat, between .250 and 1.5 a Max. of .021 dia. is held, outside of these zones the lead dia. is not controlled.

NOTE 3 Measured from Max. Dia. of the actual device.

12. DIODES WITH MILITARY SPECIFICATIONS  
In Type No. Sequence

TYPE No.	MIL. SPEC. No.	TYPE No.	MIL. SPEC. No.	TYPE No.	MIL. SPEC. No.
1N21B	MIL-E-1/156 (JAN)	1N647	MIL-E-1/1143 (AF)	1N1482	MIL-S-19500/147(SC)
1N21C	MIL-E-1/657 (JAN)	1N648	MIL-E-1/1143 (AF)	1N1483	MIL-S-19500/147(SC)
1N21E	MIL-E-1/1155 (AF)	1N649	MIL-E-1/1143 (AF)	1N1484	MIL-S-19500/145(SC)
1N21WE	MIL-E-1/1115 (JAN)	1N658	MIL-E-1/1160 (SC)	1N1485	MIL-S-19500/145(SC)
1N23B	MIL-E-1/618 (JAN)	1N662	MIL-E-1/1139 (SC)	1N1614	MIL-E-1/1240 (SC)
1N23C	MIL-E-1/255B (JAN)	1N663	MIL-E-1/1140 (SC)	1N1815	MIL-E-1/1241 (SC)
1N23CR	MIL-E-1/550A (JAN)	1N854	MIL-S-19500/150(SC)	1N1616	MIL-E-1/1242 (SC)
1N23E	MIL-E-1/1231 (SC)		thru	1N1682	MIL-E-1/1195 (JAN)
1N23WE	MIL-E-1/1117A (JAN)	1N672		1N1731	MIL-S-19500/142(SC)
1N25	MIL-E-1/658 (JAN)	1N873	MIL-S-19500/145(SC)	1N1733	MIL-S-19500/142(SC)
1N26	MIL-E-1/569B (JAN)	1N874	MIL-S-19500/150(SC)	1N1734	MIL-S-19500/142(SC)
1N26B	MIL-S-19500/128 (SC)	1N875	MIL-S-19500/150(SC)	1N1743	MIL-S-19500/147(SC)
1N31	MIL-E-1/661A (JAN)	1N891	MIL-S-19500/132 (NAVY)	1N1744	MIL-S-19500/145 (SC)
1N32	MIL-E-1/27A (JAN)	1N896	MIL-S-19500/121 (NAVY)	1N1777	MIL-E-1/1235 (SC)
1N38B	MIL-E-1/492B (JAN)	1N897	MIL-S-19500/141 (NAVY)	1N1778	MIL-E-1/1235 (SC)
1N39	MIL-E-1/777B (NAVY)	1N701	MIL-S-19500/150 (SC)	1N1781	MIL-E-1/1235 (SC)
1N44	MIL-E-1/377 (NAVY)	1N709	MIL-E-1/1238 (SC)	1N1791	MIL-E-1/1235 (SC)
1N48	MIL-E-378 (NAVY)	1N716	MIL-E-1/1238 (SC)	1N1795	MIL-E-1/1235 (SC)
1N53	MIL-E-1/497B (JAN)	1N718	MIL-E-1/1238 (SC)	1N1804	MIL-E-1/1236 (SC)
1N55A	MIL-E-1/487A (NAVY)	1N720	MIL-E-1/1238 (SC)	1N1807	MIL-E-1/1236 (SC)
1N55B	MIL-E-1/481A (NAVY)	1N722	MIL-E-1/1238 (SC)	1N1818A, /RA	
1N56A	MIL-E-1/549A (NAVY)	1N746	MIL-S-19500/127 (JAN)	thru	MIL-S-19500/151 (JAN)
1N63	MIL-E-1/376B (NAVY)	1N759		1N1836A, /RA	
1N69A	MIL-E-1/142D (JAN)	1N748A	MIL-E-1/1258 (JAN)	1N2051	MIL-E-1/1237 (JAN)
1N70A	MIL-E-1/154D (JAN)		thru	1N2052	MIL-E-1/1237 (SC)
1N72	MIL-E-1/780A (NAVY)	1N759A		1N2053	MIL-E-1/1237 (SC)
1N78	MIL-E-1/662A (JAN)	1N821	MIL-S-19500/159 (NAVY)	1N2135A	MIL-S-19500/13 (SC)
1N78B	MIL-S-19500/129 (SC)	1N823	MIL-S-19500/159 (NAVY)	1N2153	MIL-S-19500/91 (JAN)
1N78C	MIL-S-19500/130 (SC)	1N827	MIL-S-19500/159 (NAVY)	1N2172	MIL-E-1/1198 (JAN)
1N81	MIL-E-1/1235 (JAN)	1N914	MIL-S-19500/118 (NAVY)	1N2173	MIL-E-1/1151 (JAN)
1N81A	MIL-E-1/155D (SC)	1N928B	MIL-S-19500/117 (JAN)	1N2174	MIL-E-1/1194 (JAN)
1N82A	MIL-E-1/1299 (SC)		thru	1N2603B, /RB	
1N93	MIL-E-1/895B (NAVY)	1N922B		thru	MIL-S-19500/114 (NAVY)
1N96	MIL-E-1/1235 (JAN)	1N922B		1N2811B, /RB	
1N126A	MIL-E-1/156C (JAN)	1N933	MIL-S-19500/119 (NAVY)	1N2815B	MIL-S-19500/114 (JAN)
1N127A	MIL-E-1/157C (JAN)	1N947	MIL-S-19500/149 (SC)	1N2813RB	MIL-S-19500/114 (JAN)
1N127B	MIL-E-1/1150 (SC)	1N1124A	MIL-S-19500/104 (NAVY)	1N2814B	MIL-S-19500/114 (JAN)
1N128	MIL-E-1/158B (JAN)	1N1126A	MIL-S-19500/104 (NAVY)	1N2814RB	MIL-S-19500/114 (JAN)
1N135A	MIL-S-19500/134 (JAN)	1N1128A	MIL-S-19500/104 (NAVY)	1N2816B	MIL-S-19500/114 (JAN)
1N145	MIL-E-1/811 (NAVY)	1N1130	MIL-E-1/1287 (SC)	1N2816RB	MIL-S-19500/114 (JAN)
1N158	MIL-E-1/700 (JAN)	1N1131	MIL-E-1/1287 (SC)	1N2818B, /RB	
1N212	MIL-E-1/932A (NAVY)	1N1147	MIL-E-1/1305 (SC)	thru	MIL-S-19500/114 (JAN)
1N224	MIL-E-1/713 (JAN)	1N1149	MIL-E-1/1306 (SC)	1N2820B, /RB	
1N249B	MIL-S-19500/134 (SC)	1N1183	MIL-E-1/1135 (AF)	1N2822B, /RB	
1N250B	MIL-S-19500/134 (SC)		thru	thru	MIL-S-19500/114 (JAN)
1N251	MIL-S-19500/158 (JAN)	1N1190		1N2827B, /RB	
1N253	MIL-E-1/1024A (JAN)	1N1199	MIL-E-1/1108 (AF)	1N2829B	MIL-S-19500/114 (JAN)
1N254	MIL-E-1/989B (JAN)		thru	1N2829RB	MIL-S-19500/114 (JAN)
1N255	MIL-E-1/990B (JAN)	1N1206		1N2831B, /RB	
1N256	MIL-E-1/991B (JAN)	1N1281	MIL-E-1/1136 (AF)	thru	MIL-S-19500/114 (JAN)
1N263	MIL-E-1/809B (JAN)		thru	1N2838B, /RB	
1N269	MIL-E-1/808 (SC)	1N1288		1N2840B, /RB	
1N270	MIL-E-1/992A (JAN)	1N1324	MIL-E-1/1176 (AF)	thru	MIL-S-19500/114
1N276	MIL-E-1/1025 (JAN)	1N1341	MIL-E-1/1186 (JAN)	1N2846B, /RB	
1N277	MIL-E-1/933A (JAN)	1N1342	MIL-E-1/1187 (JAN)	1N2970B, /RB	
1N281	MIL-E-1/761 (JAN)	1N1343	MIL-E-1/1188 (JAN)	1N3015B, /RB	
1N315	MIL-E-1/1088 (SC)	1N1344	MIL-E-1/1189 (JAN)	1N2979	MIL-S-19500/124 (SC)
1N411B	MIL-E-1/1196 (SC)	1N1345	MIL-E-1/1189 (JAN)	1N2980	MIL-S-19500/124 (SC)
1N412B	MIL-E-1/1151 (SC)	1N1346	MIL-E-1/1191 (JAN)	1N2982	MIL-S-19500/124 (SC)
1N413B	MIL-E-1/1194 (SC)	1N1347	MIL-E-1/1192 (JAN)	1N2984	MIL-S-19500/124 (SC)
1N429	MIL-E-1/1134A (AF)	1N1348	MIL-E-1/1193 (JAN)	1N2985	MIL-S-19500/124 (SC)
1N430	MIL-S-19500/140 (NAVY)	1N1348	MIL-E-1/1193 (JAN)	1N2986	MIL-S-19500/124 (SC)
1N457	MIL-S-19500/193 (JAN)	1N1353	MIL-E-1/1236 (SC)	1N2988	MIL-S-19500/124 (SC)
1N458	MIL-S-19500/193 (JAN)	1N1358	MIL-E-1/1236 (SC)	thru	
1N459	MIL-S-19500/193 (JAN)	1N1361	MIL-E-1/1236 (SC)	1N2993	
1N538	MIL-E-1/1084A (JAN)	1N1396	MIL-E-1/1202 (AF)	1N2995	MIL-S-19500/124 (SC)
1N540	MIL-E-1/1085A (JAN)	1N1397	MIL-E-1/1202 (AF)	1N2997	MIL-S-19500/124 (SC)
1N547	MIL-E-1/1083A (JAN)	1N1399	MIL-E-1/1202 (AF)	1N3016B	MIL-S-19500/115A (NAVY)
1N548	MIL-S-19500/97 (SC)	1N1400	MIL-E-1/1202 (AF)	thru	
1N549	MIL-S-19500/98 (SC)	1N1401	MIL-E-1/1202 (AF)	1N3051B	
1N580	MIL-S-19500/167 (NAVY)	1N1402	MIL-E-1/1202 (AF)	1N3154	MIL-S-19500/158 (NAVY)
1N581	MIL-S-19500/167 (NAVY)	1N1403	MIL-E-1/1202 (AF)	1N3155	MIL-S-19500/158 (NAVY)
1N570	MIL-E-1/1275 (AF)	1N1408	MIL-E-1/1172 (SC)	1N3157	MIL-S-19500/158 (NAVY)
1N592	MIL-E-1/1109 (AF)	1N1413	MIL-E-1/1173 (SC)	1N3189	MIL-S-19500/155 (NAVY)
1N593	MIL-E-1/1108 (AF)	1N1414	MIL-S-19500/148 (SC)	1N3190	MIL-S-19500/155 (NAVY)
1N594	MIL-E-1/1109 (AF)	1N1415	MIL-S-19500/146 (SC)	1N3191	MIL-S-19500/155 (NAVY)
1N595	MIL-E-1/1109 (AF)	1N1418	MIL-S-19500/147 (SC)	2N1771A	MIL-S-19500/108 (NAVY)
1N643	MIL-E-1171 (SC)		thru	2N1772A	MIL-S-19500/108 (NAVY)
1N645	MIL-E-1/1143 (AF)	1N1424		2N1774A	MIL-S-19500/108 (NAVY)
1N646	MIL-E-1/1143 (AF)	1N1425	MIL-S-19500/145 (SC)	2N1777A	MIL-S-19500/108 (NAVY)
			thru	2N681	MIL-S-19500/108 (NAVY)
		1N1481		thru	
				2N688	
				1N483B	MIL-S-19500/118 (NAVY)
				1N485B	MIL-S-19500/118 (NAVY)
				1N486B	MIL-S-19500/118 (NAVY)

# Manufacturers

in order of code letters

- ★ **AEG** — Allgemeine Elektricitats-Gesellschaft, Schutzenstrasse 30, Belecke (Mohne), Germany
- AEIL** — Associated Electrical Industries Export, Carlholme Road, Lincoln, England
- AEIE** — Associated Electrical Industries, Ediswan Div., Enfield, Middlesex, England
- AMP** — Amperex Electronic Co., 230 Duffy Ave., Hicksville, N. Y.
- ARC** — Arco Electronics, 64 White St., New York 13, N. Y.
- ★ **ASC** — American Semiconductor Corp., 1418 W. Cortez St., Chicago 22, Ill.
- ATLB** — Associated Transistors, Ltd., Stonefield Way, Victoria Road, South Ruislip, Middx., England
- BEN** — Bendix Semicon. Products, South St., Holmdel, N. J.
- BER** — Berkshire Labs., 11 Kingsford Road, Hanover, N. H.
- BOM** — Bomac Labs., Salem Road, Beverly, Mass.
- BRA** — Bradley Semiconductor Corp., 275 Welton St., New Haven, Conn.
- BRI** — Britton Electronics Corp., 19 Warren Place, Mount Vernon, N. Y.
- CBS** — CBS Electronics, 900 Chelmsford St., Lowell, Mass.
- CCA** — Controls Co. of America, P. O. Box 937, Tempe, Arizona
- CDC** — Continental Device Corp., 12515 Chadron Ave., Hawthorne, Calif.
- CDE** — Cornell-Dubiler Electric Corp., Norwood, Mass.
- CDLF** — Compagnie des Lampes, 29 Rue de Lisbonne, Paris 8e, France
- CLE** — Clevite Transistor, 241 Crescent St., Waltham 54, Mass.
- COD** — Computer Diode Corp., 250 Garibaldi Ave., Lodi, N. J.
- COL** — Columbus Semiconductor Mfg. Div., 1010 Saw Mill Road, Yonkers, N. Y.
- CSF** — (COSEM) Cie Generale des Semi-Conducteurs, 12 Rue de la Republique, Puteaux, Seine, France
- DEL** — Delco Radio Div., General Motors Corp., Kokomo, Ind.
- DES** — Delta Semiconductors, Inc., 835 Production Place, Newport Beach, Calif.
- ★ **DIC** — Dickson Electronic Corp., 248 Wells Fargo Ave., Scottsdale, Arizona
- ★ **DII** — Diodes, Inc., 7303 Canoga Ave., Canoga Park, Calif.
- DIO** — Diotron, Inc., 3650 Richmond St., Philadelphia 34, Pa.
- EEVB** — English Electric Valve Co., Chelmsford, Essex, England
- ERI** — Electron Research, Inc., 644 West 12th St., Erie, Pa.
- ESP** — Espey Mfg. & Electronics Corp., Congress & Ballston Aves., Saratoga Springs, N. Y.
- FAN** — Fansteel Rectifier-Capacitor Div., North Chicago, Ill.
- FERB** — Ferranti Ltd., Gem Mill, Chadderton, Oldham, Lancs., England
- FSC** — Fairchild Semiconductor Corp., 4300 Redwood Highway, San Rafael, Calif.
- FTHF** — French Thomson-Houston Semicon. Dept., 41 Rue de l'Amiral Mouchez, Paris 13e, France
- GAH** — Gahagan, Inc., Waterman Ave., Esmond 17, R. I.
- GECB** — General Electric Co. Ltd., Semicon. Div., Hazel Grove, Stockport, Ches., England
- GELC** — Canadian General Electric Co., 189 Dufferin St., Toronto, Ont., Canada
- GESY** — General Electric Semicon. Products, 1224 W. Genesee St., Syracuse, N. Y.
- GIC** — General Instrument Corp., 65 Gouverneur St., Newark 4, N. J.
- HAFO** — Hafo, Siktgatan 8-10, Vallingby, Sweden
- HITJ** — Hitachi Ltd., Mushashi Works, 1450 Kodaira-Mochi, Kitatama-Gun, Toyko, Japan
- HSDC** — Hoffman Semiconductor Div., 1001 Arden Drive, El Monte, Calif.
- HSDI** — Hoffman Electronics, 930 Pitner Ave., Evanston, Ill.
- HUG** — Hughes Products, Semicon. Div., P. O. Box 278, Newport Beach Calif.
- ★ **HUGS** — Hughes International (U. K.) Ltd., Glenrothes, Fife, Scotland
- IDC** — International Diode Corp., 88 Forrest St., Jersey City, N. J.
- INRB** — International Rectifier Co. Ltd., Hurst Green, Oxted, Surrey, England
- ★ **INRC** — International Rectifier Corp., 1521 E. Grand Ave., El Segundo, Calif.
- INRJ** — International Rectifier Corp. Japan Ltd., 24, 1-chome, Kanda Suda-cho, Chiyoda-ku, Tokyo, Japan
- INTG** — Intermetall, Hans-Bunte-Strasse 19, Frieburg i. Br., Germany
- ★ **IRC** — International Resistance Co., Box 393, Boone, N. C.
- ITC** — Industro Transistor Corp., 35-10 36th Ave., Long Island City 6, N. Y.
- ITT** — ITT Semicon. Components Dept., 100 Kingsland Road, Clifton, N. J.
- KEM** — Kemtron Electron Products, 14 Prince Place, Newburyport, Mass.
- KOKJ** — Kobe Kogyo Corp., Hyogo-ku, Kobe, Japan
- MAL** — P. R. Mallory & Co., Indianapolis 6, Ind.
- MATJ** — Matsushita Electronics Corp., 300 Oaza Nishiiozumi, Takatsuki, Osaka, Japan
- MIC** — Microwave Associates, Burlington, Mass.
- MISI** — (MISTRAL) Manifattura Intereuropea Semi-conduttori Transistori Latina, Via Carnevali 113, Milan, Italy

★ ELEVEN NEW MANUFACTURERS:

# Symbols Applicable to All Sections

## FOLLOWING LINE NO.

- ⊗ — New \* — Revised # — Foreign  
 † — Replacement Use only

## FOLLOWING MAX. WORKING VOLTAGE

(same as PIV unless indicated)

- ‡ — PIV (Mfr. does not spec. max. volt.)  
 □ — RMS voltage, (for rev. E<sub>b</sub> also)  
 △ — 90-99 % PIV § — 75-79 % PIV  
 \* — 80-89 % PIV φ — 70-74 % PIV  
 # — Less than 70% PIV

## FOLLOWING MAX. OUTPUT CURRENT

## FOLLOWING MAX. REV. CURRENT

## FOLLOWING FULL LOAD VOLT. DROP

- ⊗ — Averaged over full cycle for half wave resistive load.  
 △ — Continuous D.C. \* — Peak

## FOLLOWING TEMP.

- A — Ambient C — Case  
 B — Base (Stud) J — Junction  
 S — Storage

## UNDER STATUS

- A — Army Spec.  
 D — Under Development  
 F — Air Force Spec.  
 M — Military Spec.  
 N — Navy Spec.  
 R — Military use only  
 T — Tentative data

## UNDER MATERIAL

- \* — Alloyed  
 △ — Diffused  
 ⊗ — Gold bonded  
 ‡ — Indium bonded  
 □ — Point contact  
 # — Planar  
 § — Mesa  
 \$ — Epitaxial  
 GaAs — Gallium Arsenide  
 Ge — Germanium  
 Se — Selenium  
 Si — Silicon  
 SiC — Silicon Carbide

## DIODE SECTION ONLY

# 1

### UNDER USE

- ⊗ — Controlled Forward Conductance

## RECTIFIER SECTION ONLY

# 2

### UNDER USE

- 1 — Controlled Rectifier  
 2 — Tube Replacement  
 3 — Pair  
 ⊗ — Available in stacks  
 △ — Convection cooled  
 ‡ — Liquid cooled  
 # — Forced air cooled

### FOLLOWING DWG. NO.

- △ — Available with Reversible Polarity (usually by adding suffix R; i.e., 1N2514—1N2514R)

## REFERENCE SECTION ONLY

# 3

### FOLLOWING TYPE NO.

- ⊗ — Double Anode Type  
 △ — Reference Amplifier

### FOLLOWING TOLERANCE

- ⊗ — Available with ±5% tol.  
 △ — Available with ±2% tol.  
 □ — Available with ±1% tol.

### FOLLOWING DYN. IMP. AND TEMP.

COEFF. \* — Maximum

### FOLLOWING MAX. DISS.

- — Infinite heat sink

### FOLLOWING DWG. NO.

- △ — Available with Reversible Polarity (usually by adding suffix R; i.e., 1N2514—1N2514R; or N replacing P; i.e., 5J3P—5J3N)

## SWITCHING DIODE SECTION ONLY

# 4

### FOLLOWING CAPACITANCE

- ⊗ — Minimum  
 △ — Maximum

### TEST CONDITIONS

- ⊗ — Mod. IBM circuit  
 △ — JAN circuit  
 ‡ — Mod. JEDEC circuit  
 # — Mod. Y circuit

## MICROWAVE MIXER DIODE

## MICROWAVE VIDEO DETECTOR DIODE SECTIONS ONLY

# 5/6

### FOLLOWING DWG. NO.

- ⊗ — Available with Reversed Polarity (R), Matched Forward Pair (M), and Matched Forward and Reversed Pair (MR) types. The letters in brackets ( ) follow the type No.; i.e. — 1N21BR, 1N21BM, 1N21BMR.

§ — Reversible Polarity Cartridge

□ — Coaxial Cartridge

△ — Tripolar Construction

### FOLLOWING MAX. N. F.

- ⊗ — I. F. Amplifier

## VOLTAGE VARIABLE CAPACITOR DIODE SECTION ONLY

# 7

### FOLLOWING CAPACITANCE

- ⊗ — Minimum  
 △ — Maximum

### FOLLOWING MIN. Q

- ⊗ — Typical Q

### FOLLOWING DWG. NO.

- △ — Available with Reversible Polarity (usually by adding suffix R; i.e., 1N2514—1N2514R)

## MISCELLANEOUS DIODE SECTION ONLY

# 8

### UNDER USE

- 1 — Video Detector  
 2 — UHF Mixer  
 3 — Harmonic Generator  
 4 — Photo-diode  
 5 — 4 layer Bi-stable Diode  
 6 — Parametric Diode  
 7 — Solar Cell  
 8 — Photo-conductive Cells  
 9 — Avalanche Switch  
 10 — Controlled Rectifier  
 11 — Non-linear Resistor  
 12 — Tunnel Diode  
 13 — Uni-tunnel Diode  
 14 — Raysistor  
 15 — PNP Switch  
 M — Other miscellaneous types

NOTE: All values in this tabulation are typical and given at 25°C ambient unless otherwise indicated.

**WORKING**

# NOTES

Also Feedback to D.A.T.A.  
Suggestions and Corrections

## **EXPLANATORY COMMENTS**

Under the column heading 'Status', we indicate if a particular type has a military specification, either Air Force, Army, Navy, or combined services (the latter known as a MIL specification). This indication does not specify which, if any, of the manufacturers have qualification approval. Qualification approval can only be obtained by contacting the military services direct.



# Manufacturers

continued

- ★ **MOTA** — Motorola Semicon. Products, 5005 East McDowell Road, Phoenix, Ariz.
- ★ **MSC** — MicroSemiconductor Corp., 11250 Playa Court, Culver City, Calif.
- MULB** — Mullard Overseas Ltd., Mullard House, Torrington Place, London, W. C. 1, England
- NAE** — North American Electronics, 71 Linden St., W. Lynn, Mass.
- NECJ** — Nippon Electric Co., Ltd., 1753 Shimonumabe, Kawasaki City, Japan
- NPC** — Nucleonic Products Co., 1601 Grande Vista Ave., Los Angeles 23, Calif.
- OHI** — Ohio Semiconductors, 1035 W. 3rd Ave., Columbus 8, Ohio
- OHM** — Ohmite Mfg. Co., 3601 Howard St., Skokie, Ill.
- PHIL** — Philco Corp., Lansdale Tube Div., Lansdale, Pa.
- PHIN** — Philips Gloeilampenfabrieken, Eindhoven, Netherlands
- PLEB** — The Plessey Co., Woodburcote Way, Towcester, Northants, England
- PRI** — Princeton Electronics Corp., 178 Alexander St., Princeton, N. J.
- PSI** — Pacific Semiconductors, 10451 W. Jefferson Blvd., Culver City, Calif.
- RADF** — La Radiotechnique, Div. Tubes Electroniques, 130 Ave. Ledru Rollin, Paris 11e, France
- RAYN** — Raytheon Semicon. Div., 215 First Ave., Needham Heights 94, Mass.
- RCAS** — Radio Corp. of America, Semiconductor Div., Somerville, N. J.
- RDR** — Radio Development & Research Corp. (Bogue), 100 Pennsylvania Ave., Paterson 3, N. J.
- RHE** — Rheem Semiconductor Corp., 350 Ellis St., Mountain View, Calif.
- ROG** — Rogers Electronic Tubes & Components, 116 Vanderhoof Ave., Toronto 17, Ont., Canada
- ROSG** — Dr. Ing. Rudolph Rost, Ubbenstrasse 21, Hanover 1, Germany
- RRC** — Radio Receptor Co., Inc., 240 Wythe Ave., Brooklyn 11, N. Y.
- SAR** — Sarkes Tarzian, 415 North College Ave., Bloomington, Ind.
- SCN** — Semicon, Inc., Sweetwater Road (Box 328), Bedford, Mass.
- SEM** — Semi-Elements, Saxonburg Blvd., Saxonburg, Pa.
- ★ **SGSI** — Societa Generale Semiconduttori, Via C. Olivetti 1, Agrate/Milano, Italy
- ★ **SHEJ** — Shindengen Electric Manufacturing Co., Ltd., 4, 2-chome Ohtemachi, Chiyodaku, Tokyo, Japan
- SHO** — Shockley Transistor Corp., 391 S. San Antonio Road, Mountain View, Calif.
- SIHG** — Siemens and Halske Aktiengesellschaft, Balanstrasse 73, Munich 8, Germany
- SIL** — Silicon Transistor Corp., 150 Glen Cove Road, Carle Place, L. I., N. Y.
- SOD** — Solitron Devices, 500 Livingston St., Norwood, N. J.
- SOIF** — Soc. Indus. de Liaisons Electriques, 64 bis Rue de Monceau, Paris 8e, France
- SONY** — Sony Corp., 351 Kitashigawa-6, Shinagawa-ku, Tokyo, Japan
- SRC** — Standard Rectifier Corp., 620 East Dyer Road, Santa Ana, Calif.
- SSD** — Sperry Semiconductor Div., South Norwalk Conn.
- SSP** — Solid State Products, 1 Pingree St., Salem, Mass.
- STCA** — Standard Telephones and Cables Pty. Ltd., 252/274 Botany Road, Alexandria, Sydney, Australia
- STCB** — Standard Telephones & Cables, Edinburgh Way, Harlow, Essex, England
- SYL** — Sylvania Semiconductor Div., 100 Sylvan Road, Woburn, Mass.
- SYN** — Syntron Co., Homer City, Pa.
- TEC** — Transitron Electronic Corp., 168 Albion St., Wakefield, Mass.
- TER** — Texas Research Associates, 1701 Guadalupe St., Austin 1, Texas
- TFKG** — Telefunken Gmbh, Postfach 837, Ulm/Donau, Germany
- TII** — Texas Instruments, Semicon.-Components Div., P. O. Box 5012, Dallas, Texas
- TIIB** — Texas Instruments Ltd., Manton Lane, Bedford, England
- TKAD** — Tekade, Schliessfach 870, Nurnberg 2, Germany
- TOSJ** — Tokyo Shibaura Electric Co., 1 Komukaitoshiba Cho, Kawasaki, Japan
- TSC** — Trans-Sil Corp., 55 Honeck St., Englewood, N. J.
- ★ **TSDJ** — Toho Sanken Denki Co., Ltd., 1-11 Ikebukuro-Higashi, Toshima-ku, Tokyo, Japan
- TUNL** — Tung-Sol Electric, Chatham Electronics Div., 630 W. Mt. Pleasant Ave., Livingston, N. J.
- UCI** — United Components, 360 Henry St., Orange, N. J.
- UNI** — Unitorde Transistor Products Corp., 214 Calvary St., Waltham 54, Mass.
- USS** — U. S. Semiconductor Products, P. O. Box 11125, Phoenix, Ariz.
- VIC** — Vickers Electric Products, 1815 Locust St., St. Louis 3, Mo.
- WEC** — Western Electric Co., Radio Div., Marion & Vine Sts., Laureldale, Pa.
- WESB** — Westinghouse Brake & Signal Co., Ltd., 82 York Way, Kings Cross, London N. 1, England
- WESF** — Westinghouse, Div. Redresseurs, 7 Rue Leon Morane, Paris 15e, France
- WESY** — Westinghouse Electric Corp., Semiconductor Dept., Youngwood, Pa.
- ★ **WSI** — Western Semiconductors, Inc., 605 G Alton St., Santa Ana, Calif.

# D.A.T.A.'S

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