

## 2. Specifications and IC Data

### 2-1 Specifications

Television System:

MODEL	SYSTEM
CI	PAL-I (UHF)
CII	PAL-I (VHF/UHF)
CX	PAL-B/G, SECAM-B/G
CK	PAL-B/G, D/K, SECAM-B/G, D/K
CB	PAL-B/G
CF	SECAM-L/L', PAL/SECAM-B/G

Channels:

BAND \ SYSTEM	PAL/SECAM -B/G, I	PAL/SECAM -D/K	SECAM-K1, PAL-D
VHF	2-12	1-13	2-9
UHF	21-69	21-69	13-57

Intermediate-Frequencies (MHz):

BAND \ SYSTEM	PAL/SECAM -B/G	PAL/SECAM -D/K, K1	PAL-I	SECAM-L	SECAM-L'
Picture IF Carrier	38.90	38.90	38.90	38.90	34.50
Sound IF Carrier	33.40	32.40	32.90	34.40	41.00
Color Sub Carrier	34.47	34.47	34.47	34.47	38.93

Picture Tube:

21 Inch	A51EER131X31	Quick start, in-line-gun, Black stripe, 90° degree deflection
25 Inch	A59EAK071X01 (Normal) A59EAK552X21 (Invar)	
28 Inch	A66EAK071X01 (Normal) A66EAK552X21 (Invar)	
30 Inch	A70QBZ791X	

Power Requirements: AC 230 V, 50Hz or AC 220 ~ 240 V, 50Hz

Antenna Input Impedance:

VHF, UHF: Telescopic dipole antenna (75Ω unbalanced type)

Speaker Impedance: 8Ω, 10W + 10W or 16Ω, 5W + 5W (533C only)

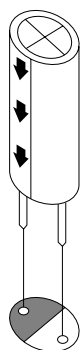
## 2-2 IC Line Up

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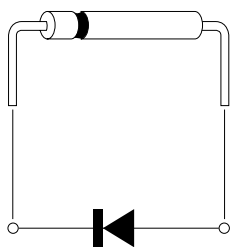
LOC NO	NO	Specification	Description	Remarks
HIC101	1	PAP103T	IF PRE-AMP	
IC201	2	TDA8844	PAL/SECAMNTSC/SECAM-L	
		TDA8843	PAL/NTSC	
IC301	3	LA7845	VERTICAL DEFLECTION AMP	
IC501	4	TDA6108	RGB DRIVE AMP	
IC601	5	TDA7297	SOUND AMP(10W/CH)	
		TDA7266S	SOUND AMP(5W/CH)	
IC701	6	TDA9859	AUDIO PROCESSOR	
IC801	7	KA3S1265R	SMPS IC(12A)	
IC802	8	PC123Y	PHOTO COUPLER	
IC803	9	78R05	SWITCHING REGULATOR	
IC804	10	KA7630	SWITCHING REGULATOR(5,8V)	
IC901	11	SPM171EE	MICOM	
IC902	12	24W16	EEPROM	16K
ICE01	13	4558	EW DRIVE AMP	
ICN01	14	TDA9814T	SIF DETECTOR (SECAM-L)	NICAM MODULE
ICN02	15	TDA9874H	NICAM DEMODULATOR	
ICA01	16	LA7567N	SIF DETECTOR	A2 STEREO MODULE
ICA02	17	TDA9873H	A2 DEMODULATOR	
ICM01	18	LA7566	SIF & FM DETECTOR	MONO
ICS01	19	TEA5114	VIDEO SWITCH	RGB -S/W

## 2-3 Semiconductor Base Diagrams

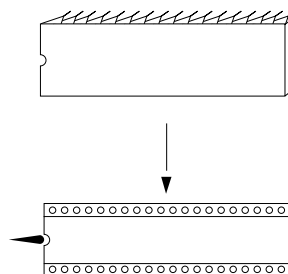
ELECTROLYTIC-  
CONDENSER



DIODE

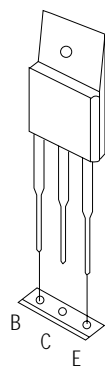


IC



TDA884X(Pin 56)  
SPM171EX(Pin 52)  
24W16(Pin 8)  
TDA9859(Pin 32)

TRANSISTOR



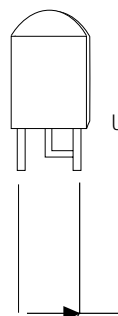
2SD1651  
2SD1650  
KSD5072  
KSD5071  
KSD1711

TRANSISTOR



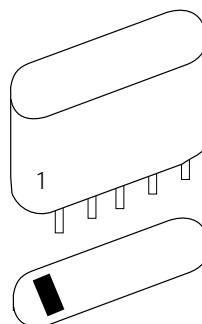
KSA815-Y  
KSA539-Y

IC

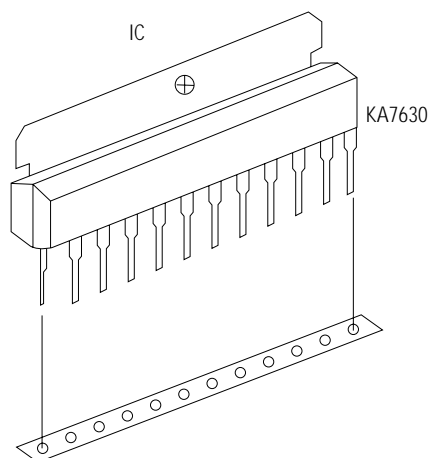


UPC574J  
or  
KA33V

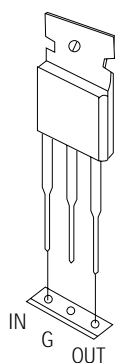
SAW-FILTER



G1962  
K2950M  
K9253M  
G3956M

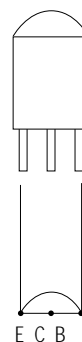


TRANSISTOR



KA7812

TRANSISTOR



KSR1012  
KSR1010  
KSR2010

Fig. 2-1 Semiconductor Base Diagrams

# MEMO