

HORIZONTAL DEFLECTION AMPLIFIER

6JB6A

12JB6A, 17JB6A

Beam Power Pentode

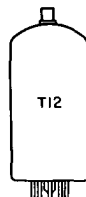
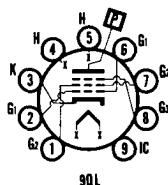
Construction Novar T-12
Base Button 9 Pin, E9-88
Top Cap C1-2 or C1-3
Basing 9QL
Outline

Maximum Diameter 1.563 In.

Maximum Seated Height 3.125 In.

Maximum Overall Height 3.505 In.

The Types 6JB6A, 12JB6A, and 17JB6A are identical to Types 6JB6, 12JB6, and 17JB6 except for base with exhaust tip at bottom and shorter bulb.



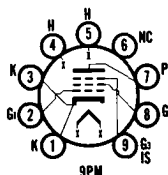
Color Television Type IF AMPLIFIER

6JC6

3JC6, 4JC6

Sharp Cutoff Pentode

Construction Miniature T-6½
Base Button 9 Pin, E9-1
Basing 9PM
Outline 6-2
Maximum Diameter 0.875 In.
Maximum Seated Height 1.938 In.
Maximum Overall Height 2.188 In.



ELECTRICAL DATA

HEATER OPERATION

	3JC6	4JC6	6JC6
Heater Voltage.....	3.5	4.5	6.3 Volts
Heater Current	600	450	300 Ma
Heater Warm-up Time	11	11	— Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			200 Volts
Total DC and Peak.....			100 Volts
Heater Positive with Respect to Cathode			200 Volts
DC			
Total DC and Peak.....			

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid No. 1 to Plate	0.019 Pf
Input: g1 to (h + k + g2 + g3 + IS).....	8.2 Pf
Output: p to (h + k + g2 + g3 + IS).....	3.0 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)	330 Volts
Grid No. 3 Voltage (Max.)	0 Volt
Grid No. 2 Supply Voltage (Max.)	330 Volts
Grid No. 2 Voltage (Max.).....	See Rating Chart (Gen. Info. Sec.)
Grid No. 1 Voltage	
Positive Bias Value (Max.)	0 Volt
Grid No. 2 Input	
Ec2 up to 165 Volts (Max.)	0.6 Watts
Ec2 = 165 to 330 Volts (Max.)	See Rating Chart (Gen. Info. Sec.)
Plate Dissipation (Max.)	2.5 Watts
Grid No. 1 Circuit Resistance	
Fixed Bias (Max.)	0.25 Megohm
Cathode Bias (Max.)	1 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Supply Voltage.....	125 Volts
Grid No. 3 Voltage	Connected to Cathode at Socket
Grid No. 2 Supply Voltage.....	125 Volts
Cathode Resistor	56 Ohms
Plate Current	13 Ma
Grid No. 2 Current	3.2 Ma
Transconductance	15,000 μ mhos
Plate Resistance (Approx.)	180,000 Ohms
Grid No. 1 Voltage for $I_b = 100 \mu a$	-3 Volts

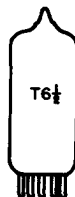
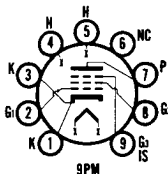
6JC6A

3JC6A, 4JC6A

Color Television Type

IF AMPLIFIER**Sharp Cutoff Pentode**

Construction Miniature T-6½
 Base Button 9 Pin, E9-1
 Basing 9PM
 Outline 6-2
 Maximum Diameter 0.875 In.
 Maximum Seated Height 1.938 In.
 Maximum Overall Height 2.188 In.

**ELECTRICAL DATA****HEATER OPERATION**

	3JC6A	4JC6A	6JC6A
Heater Voltage.....	3.5	4.5	6.3 Volts
Heater Current	600	450	300 Ma
Heater Warm-up Time	11	11	— Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			
Total DC and Peak.....			200 Volts
Heater Positive with Respect to Cathode			
DC			100 Volts
Total DC and Peak.....			200 Volts

DIRECT INTERELECTRODE CAPACITANCE (Unshielded)

Grid No. 1 to Plate	0.019 Pf
Input: g_1 to ($h + k + g_2 + g_3 + IS$).....	8.5 Pf
Output: p to ($h + k + g_2 + g_3 + IS$).....	3.0 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)	330 Volts
Grid No. 3 Voltage (Max.)	0 Volt
Grid No. 2 Supply Voltage (Max.)	330 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)
Grid No. 1 Voltage (Positive Bias Value)	0 Volt
Grid No. 2 Input	
E_{c2} up to 165 Volts (Max.)	0.7 Watts
$E_{c2} = 165$ to 330 Volts	See Rating Chart (Gen. Info. Sec.)
Plate Dissipation (Max.)	3.1 Watts
Grid No. 1 Circuit Resistance	
Fixed Bias (Max.)	0.25 Megohm
Cathode Bias (Max.)	1 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Supply Voltage.....	125 Volts
Grid No. 3 Voltage	Connected to Cathode at Socket
Grid No. 2 Supply Voltage.....	125 Volts
Cathode Resistor	56 Ohms
Plate Current	14 Ma
Grid No. 2 Current	3.4 Ma
Transconductance	16,000 μ mhos
Plate Resistance (Approx.)	180,000 Ohms
Grid No. 1 Voltage for $I_b = 100 \mu a$	-3 Volts