

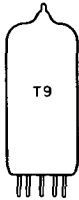
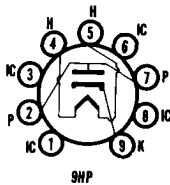
6BH3

17BH3, 22BH3

DAMPER

Heater-Cathode Diode

Construction Novar T-9
Base Button 9 Pin, E9-75
Basing⁽¹⁾ 9HP
Outline 9-86
Maximum Diameter 1.188 In.
Maximum Seated Height 3.030 In.
Maximum Overall Height 3.410 In.



ELECTRICAL DATA

HEATER OPERATION

	22BH3	17BH3	6BH3
Heater Voltage.....	22.4	17	6.3 Volts
Heater Current	450	600	1600 Ma
Heater Warm-up Time	11	11	— Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			
DC			900 Volts
Total DC and Peak.....			5500 Volts
Heater Positive with Respect to Cathode			
DC			100 Volts
Total DC and Peak.....			300 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Heater to Cathode	2.8 Pf
Plate to Cathode and Heater.....	6.5 Pf
Cathode to Plate and Heater.....	9.0 Pf

RATINGS (Design Maximum Rating System)
Damper Service

Peak Inverse Plate Voltage (Max.) ⁽²⁾	5500 Volts
Plate Dissipation (Max.)	6.5 Watts
Steady State Peak Current (Max.)	1100 Ma
DC Plate Current (Max.)	180 Ma

NOTES:

- (1) Pins 1, 3, 6, and 8 should not be used as tie points.
- (2) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.

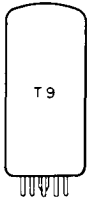
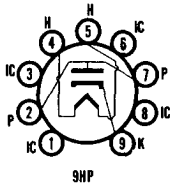
6BH3A

17BH3A, 22BH3A

DAMPER

Heater-Cathode Diode

Construction Novar T-9
Base Button 9 Pin, E9-89
Basing 9HP
Outline 9-86
Maximum Diameter 1.188 In.
Maximum Seated Height 2.625 In.
Maximum Overall Height 3.005 In.
6BH3A, 17BH3A, and 22BH3A are identical to 6BH3, 17BH3, and 22BH3 except for base with exhaust tip at bottom and shorter bulb.

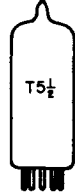
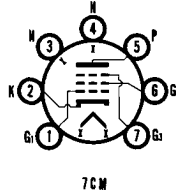


RF AMPLIFIER

6BH6

Sharp Cutoff Pentode

Construction Miniature T-5½
 Base Button 7 Pin, E7-1
 Basing 7CM
 Outline 5-2
 Maximum Diameter 0.750 In.
 Maximum Seated Height 1.865 In.
 Maximum Overall Height 2.125 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage
 Heater Current
 Maximum Heater-Cathode Voltage

6.3 Volts
 150 Ma
 90 Volts

DIRECT INTERELECTRODE CAPACITANCES

Grid to Plate (Max.)
 Input (Max.)
 Output (Max.)

Shielded	Unshielded
0.0035	0.0035 Pf
5.4	5.4 Pf
4.4	4.4 Pf

RATINGS (Design Center Rating System)

Plate Voltage (Max.)
 Grid No. 2 Supply Voltage (Max.)
 Grid No. 2 Voltage See Rating Chart (Gen. Info. Sec.)
 Plate Dissipation (Max.)
 Grid No. 2 Dissipation (Max.)
 Negative Grid No. 1 Voltage (Max.)
 Positive Grid No. 1 Voltage (Max.)

300 Volts
 300 Volts
 3 Watts
 0.5 Watt
 50 Volts
 0 Volt

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier

Plate Voltage
 Grid No. 3 Voltage
 Grid No. 2 Voltage
 Grid No. 1 Voltage
 Cathode Bias Resistor
 Plate Current
 Grid No. 2 Current
 Transconductance
 Plate Resistance (Approx.)
 Grid No. 1 Voltage for $I_b = 10 \mu a$

100	250 Volts
100	150 Volts
-1.0	-1.0 Volt
200	95 Ohms
3.6	7.4 Ma
1.4	2.9 Ma
3400	4600 $\mu mhos$
0.7	1.4 Megohms
-5.0	-7.7 Volts

Color Television Type

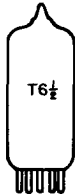
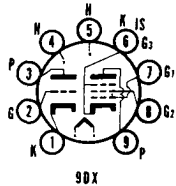
SYNC SEP./CLIPPER/AMP. or SWEEP OSC. (T) VIDEO AMPLIFIER (P)

6BH8

8BH8

Medium Mu Triode and Sharp Cutoff Pentode

Construction Miniature T-6½
 Base Button 9 Pin, E9-1
 Basing 9DX
 Outline 6-3
 Maximum Diameter 0.875 In.
 Maximum Seated Height 2.375 In.
 Maximum Overall Height 2.625 In.



ELECTRICAL DATA

HEATER OPERATION

Heater Voltage
 Heater Current
 Heater Warm-up Time

8BH8
 8.4
 450
 11

6BH8
 6.3 Volts
 600 Ma
 11 Seconds