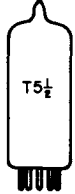
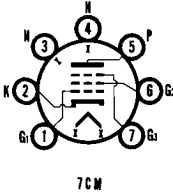


RF AMPLIFIER

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

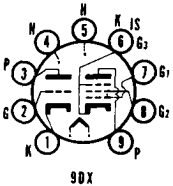
SYNC SEP./CLIPPER/AMP. or SWEEP OSC. (T) VIDEO AMPLIFIER (P)

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

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 CAPACITANCES (Unshielded)**Triode**

Grid to Plate 2.4 Pf

Input 2.6 Pf

Output 0.38 Pf

Pentode

Grid to Plate 0.046 Pf

Input 7.0 Pf

Output 2.4 Pf

Coupling

Pentode Grid No. 1 to Triode Plate 0.004 Pf

Triode Grid to Pentode Plate 0.016 Pf

Pentode Plate to Triode Plate 0.095 Pf

RATINGS (Design Center Rating System)

	Triode	Pentode
Plate Voltage (Max.)	300	300 Volts
Grid No. 2 Supply Voltage (Max.)	—	300 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)	
Plate Dissipation (Max.)	2.5	3.0 Watts
Grid No. 2 Dissipation (Max.)	—	1.0 Watt
Grid No. 1 Circuit Resistance		
Fixed Bias (Max.)	0.5	0.25 Megohm
Self Bias (Max.)	1.0	1.0 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

	Triode	Pentode
Plate Voltage	150	200 Volts
Grid No. 2 Voltage	—	125 Volts
Grid No. 1 Voltage	—5	— Volts
Cathode Bias Resistor	—	82 Ohms
Amplification Factor	17	—
Plate Resistance (Approx.)	5150	150,000 Ohms
Transconductance	3300	7000 μ mhos
Plate Current	9.5	15 Ma
Grid No. 2 Current	—	3.4 Ma
Grid No. 1 Voltage (Approx.)		
For $I_b = 100 \mu$ a	-14	-8 Volts

6BH11

Color Television Type

**TWO GENERAL PURPOSE TRIODES
HORIZONTAL DEFLECTION OSCILLATOR****Double Medium Mu Triode
and Sharp Cutoff Pentode**

Construction.....Compactron T-9

Base Button 12 Pin, E12-70

Basing 12FP

Outline 9-58

Maximum Diameter 1.188 In.

Maximum Seated Height 2.000 In.

Maximum Overall Height 2.375 In.

ELECTRICAL DATA**HEATER OPERATION**

Heater Voltage..... 6.3 Volts

Heater Current 800 Ma

Maximum Heater-Cathode Voltage

Heater Positive with Respect to Cathode

DC Component 100 Volts

Total DC and Peak..... 200 Volts

Heater Negative with Respect to Cathode

Total DC and Peak..... 200 Volts

