

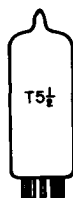
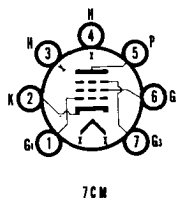
Color Television Type
AGC/IF AMPLIFIER

6JH6

4JH6

Semi-Remote 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 1.875 In.
Maximum Overall Height 2.125 In.

**ELECTRICAL DATA
HEATER OPERATION**

	4JH6	6JH6
Heater Voltage.....	4.2	6.3 Volts
Heater Current	450	300 Ma
Heater Warm-up Time	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

	Shielded ⁽¹⁾	Unshielded
Grid No. 1 to Plate (Max.).....	0.015	0.025 Pf
Input: g1 to (h + k + g2 + g3 + IS).....	7.0	7.0 Pf
Output: p to (h + k + g2 + g3 + IS).....	3.0	2.0 Pf
RATINGS (Design Maximum Rating System)		
Plate Voltage (Max.)		300 Volts
Grid No. 2 Supply Voltage (Max.)		300 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)	
Plate Dissipation (Max.)		2.3 Watts
Grid No. 2 Dissipation (Max.)		0.55 Watt
Grid No. 1 Circuit Resistance		
Fixed Bias (Max.)		0.25 Megohm
Cathode Bias (Max.)		1.0 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Voltage	125 Volts
Grid No. 2 Voltage	125 Volts
Grid No. 3 Voltage	Connected to Cathode at Socket
Cathode Bias Resistor	56 Ohms
Plate Current	14 Ma
Grid No. 2 Current	3.6 Ma
Transconductance	8000 μ mhos
Plate Resistance (Approx.)	260,000 Ohms
Ec1 for gm = 50 μ mhos (Approx.)	-19 Volts
Gm with Ec1 = -4.5 V, Rk = 56 Ohms.....	400 to 900 μ mhos

NOTE:

(1) External Shield No. 316 connected to Pin No. 2 (cathode) at socket.

Color Television Type
SYNCHRONOUS DETECTOR

6JH8**Double Plate Sheet Beam Tube**

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

