

Color Television Type

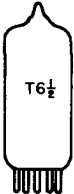
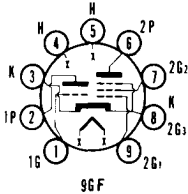
VHF OSCILLATOR and MIXER

6FG7

5FG7

**Medium Mu Triode and
Semi-Remote Cutoff Pentode**

Construction Miniature T-6½
Base Button 9 Pin, E9-1
Basing 9GF
Outline 6-2
Maximum Diameter 0.875 In.
Maximum Seated Height 1.937 In.
Maximum Overall Height 2.187 In.



ELECTRICAL DATA

HEATER OPERATION

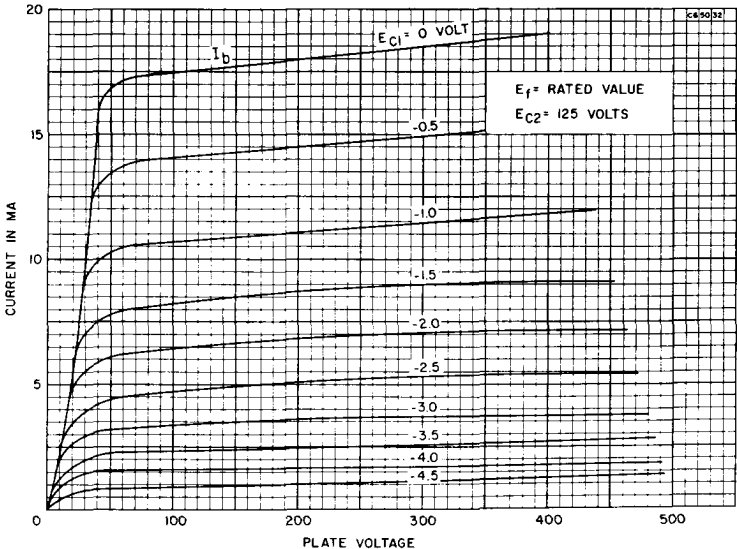
	5FG7	6FG7
Heater Voltage.....	4.7	6.3 Volts
Heater Current	600	450 Ma
Heater Warm-up Time	11	11 Seconds
Maximum Heater-Cathode Voltage		
Heater Negative with Respect to Cathode		
Total DC and Peak.....		200 Volts
Heater Positive with Respect to Cathode		
DC		100 Volts
Total DC and Peak.....		200 Volts

DIRECT INTERELECTRODE CAPACITANCES

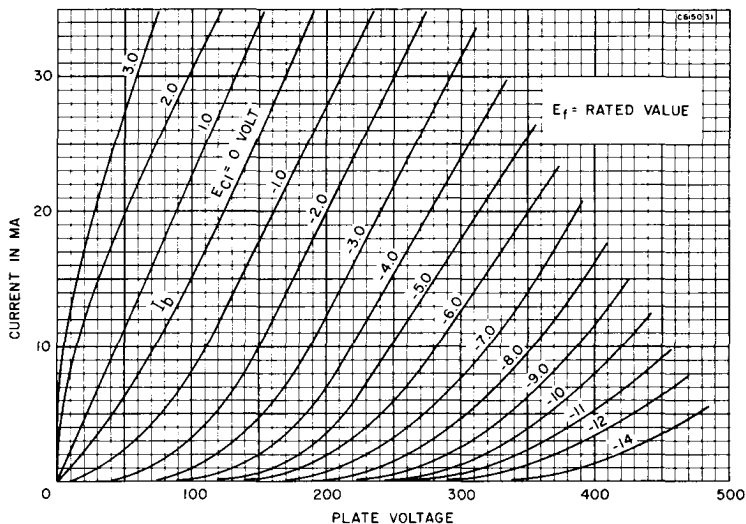
	Shielded (1)	Unshielded
Triode Section		
Grid to Plate	1.8	1.8 Pf
Input: g to (h + k)	3.0	3.0 Pf
Output: p to (h + k)	1.9	1.3 Pf
Pentode Section		
Grid No. 1 to Plate (Max.).....	0.01	0.020 Pf
Input: g1 to (h + k + g2).....	5.0	5.0 Pf
Output: p to (h + k + g2).....	3.4	2.4 Pf

AVERAGE PLATE CHARACTERISTICS

(Pentode Section)



AVERAGE PLATE CHARACTERISTICS (Triode Section)



RATINGS (Design Maximum Rating System)

	Triode Section	Pentode Section
Plate Voltage (Max.)	330	330 Volts
Grid No. 2 Supply Voltage (Max.)	—	330 Volts
Grid No. 2 Voltage	See Rating Chart (Gen. Info. Sec.)	
Plate Dissipation (Max.)	2.5	3.0 Watts
Grid No. 2 Dissipation (Max.)	—	0.55 Watt
Positive Grid No. 1 Voltage (Max.)	0	0 Volt

CHARACTERISTICS AND TYPICAL OPERATION

Class A1 Amplifier

	Triode Section	Pentode Section
Plate Voltage	125	125 100 Volts
Grid No. 2 Voltage	—	125 100 Volts
Grid No. 1 Voltage	-1.0	-1.0 0 Volt
Plate Current	13	11 — Ma
Grid No. 2 Current	—	4.0 — Ma
Transconductance	7500	6000 7400 μ mhos
Amplification Factor	43	—
Plate Resistance	5700	180K — Ohms
Grid No. 1 Voltage for $I_b = 30 \mu$ a (Approx.)	-6.5	-7.5 — Volts

NOTE:

- (1) Shield No. 315 connected to cathode of section under test.

6FH5

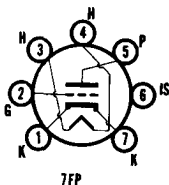
2FH5, 3FH5

Color Television Type

VHF AMPLIFIER

High Mu Triode

Construction Miniature T-5½
 Base Button 7 Pin, E7-1
 Basing 7FP
 Outline 5-2
 Maximum Diameter 0750 In.
 Maximum Seated Height 1.875 In.
 Maximum Overall Height 2.125 In.



7FP

