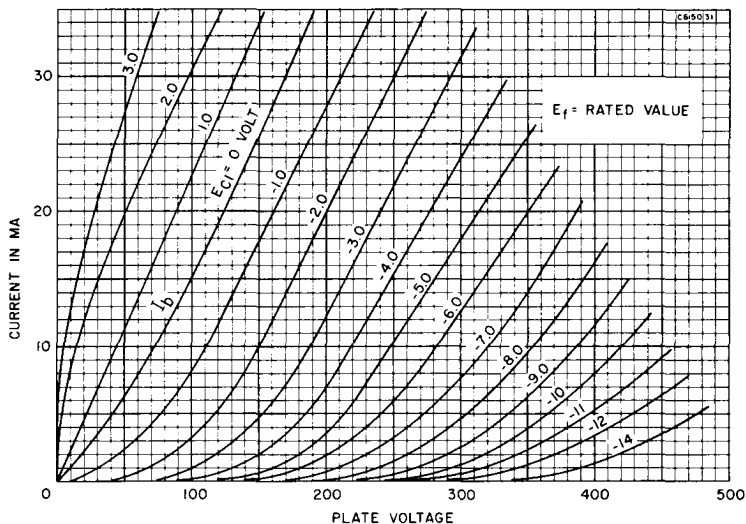


AVERAGE PLATE CHARACTERISTICS (Triode Section)



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

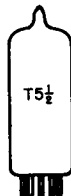
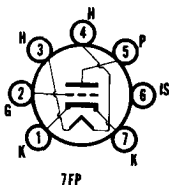
2FH5, 3FH5

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.



**ELECTRICAL DATA
HEATER OPERATION**

	2FH5	3FH5	6FH5
Heater Voltage.....	2.35	3.0	6.3 Volts
Heater Current	600	450	200 Ma
Heater Warm-up Time	11	11	— Seconds
Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			
Total DC and Peak.....			100 Volts
Heater Positive with Respect to Cathode			
Total DC and Peak.....			100 Volts

DIRECT INTERELECTRODE CAPACITANCES

	Shielded	Unshielded
Grid to Plate (Max.).....	0.6	0.6 Pf
Input: g to (h + k + IS)	3.2	3.2 Pf
Output: p to (h + k + IS)	4.0	3.2 Pf

RATINGS (Design Maximum Rating System)

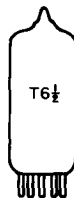
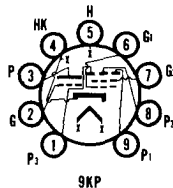
Plate Voltage (Max.).....	150 Volts
Plate Dissipation (Max.)	2.2 Watts
Cathode Current (Max.).....	22 Ma
Positive Grid Voltage (Max.)	0 Volt
Grid Circuit Resistance (Max.)	1.0 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Voltage	135 Volts
Grid Voltage	-1.0 Volt
Plate Current	11 Ma
Transconductance	9000 μ mhos
Amplification Factor	50
Plate Resistance (Approx.)	5600 Ohms
Ec for Ib = 100 μ a (Approx.)	-5.5 Volts

HARMONIC GENERATOR**6FH8****Medium Mu Triode
Sharp Cutoff Tetrode (3 Plates)**

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

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

Heater Voltage.....	6.3 Volts
Heater Current	450 Ma

DIRECT INTERELECTRODE CAPACITANCES (Shielded)⁽¹⁾**Triode Unit**

Grid to Plate	1.4 Pf
Grid to Cathode and Heater	2.6 Pf
Plate to Cathode and Heater.....	1 Pf

Tetrode Unit

Grid No. 1 to Plate No. 1 (Max.)	0.060 Pf
Grid No. 1 to Cathode, Heater, Grid No. 2, Plate No. 2, and Plate No. 3	4.5 Pf
Plate No. 1 to Cathode, Heater, Grid No. 2, Plate No. 2, and Plate No. 3	1.4 Pf
Tetrode Grid No. 1 to Triode Plate (Max.).....	0.35 Pf
Tetrode Plate No. 1 to Triode Plate (Max.).....	0.008 Pf

RATINGS (Design Maximum Rating System)**Harmonic Generator Service**

	Triode Unit	Tetrode Unit
Plate Voltage (Max.)	275	— Volts
Plate No. 1 Voltage (Max.)	—	275 Volts
Plate No. 2 Voltage (Max.)	—	200 Volts
Plate No. 3 Voltage (Max.)	—	200 Volts