

6FE5

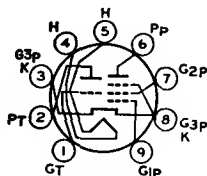
Refer to chart at end of section.

6FG6

Refer to chart at end of section.

6FG7**5FG7****MEDIUM-MU TRIODE—
SHARP-CUTOFF PENTODE**

Miniature type used as combined oscillator and mixer tube in vhf color and black-and-white television receivers. Outlines section, 6B; requires miniature 9-contact socket. Type 5FG7 is identical with type 6FG7 except for heater ratings.

**9GF**

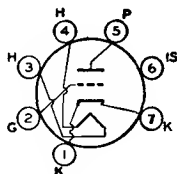
	5FG7	6FG7	
Heater Voltage (ac/dc)	4.7	6.3	volts
Heater Current	0.6	0.45	ampere
Heater Warm-up Time (Average)	11	11	seconds
Heater-Cathode Voltage:			
Peak value	±200 max	±200 max	volts
Average value	100 max	100 max	volts
Direct Interelectrode Capacitances:			
Triode Unit:			
Grid to Plate	1.8	1.8	pF
Grid to Cathode, Pentode Grid No.3, and Heater	3	3	pF
Plate to Cathode, Pentode Grid No.3, and Heater	1.3	1.9	pF
Pentode Unit:			
Grid No.1 to Plate	0.02 max	0.01 max	pF
Grid No.1 to Cathode, Grid No.3, Grid No.2, and Heater	5	5	pF
Plate to Cathode, Grid No.3, Grid No.2, and Heater	2.4	3.4	pF
Heater to Cathode, and Pentode Grid No.3	6	6*	pF
* With external shield connected to cathode except as noted.			
* With external shield connected to ground.			

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)	Triode Unit	Pentode Unit	
Plate Voltage	330	330	volts
Grid-No.2 (Screen-Grid) Supply Voltage	—	330	volts
Grid-No.2 Voltage	—	See curve page 98	
Grid-No.1 (Control-Grid) Voltage, Positive-bias value	0	0	volts
Plate Dissipation	2.5	3	watts
Grid-No.2 Input:			
For grid-No.2 voltages up to 165 volts	—	See curve page 98	
For grid-No.2 voltages between 165 and 330 volts	—	0.55	watt
CHARACTERISTICS	Triode Unit	Pentode Unit	
Plate Voltage	125	100 125	volts
Grid-No.2 Voltage	—	100 125	volts
Grid-No.1 Voltage	—1	0 —1	volts
Amplification Factor	43	—	
Plate Resistance (Approx.)	5700	— 180000	ohms
Transconductance	7500	7400 6000	μmhos
Plate Current	13	— 11	mA
Grid-No.2 Current	—	— 4	mA
Grid-No.1 Voltage (Approx.) for plate current of 80 μA	—6.5	— —7.5	volts

6FH5**2FH5, 3FH5****HIGH-MU TRIODE**

Miniature type used as an rf amplifier in vhf tuners of color and black-and-white television receivers. Outlines section, 5C; requires 7-contact socket. Types 2FH5 and 3FH5 are identical with type 6FH5 except for heater ratings.

**7FP**

Heater Voltage (ac/dc)	2FH5	3FH5	6FH5	
Heater Current	2.35	3	6.3	volts
Heater Warm-up Time (Average)	0.6	0.45	0.2	ampere
Peak Heater-Cathode Voltage	11	11	—	seconds
Direct Interelectrode Capacitances (Approx.):	±100 max	±100 max	±100 max	volts
Grid to Plate	Unshielded	Shielded*		pF
Grid to Cathode, Heater, and Internal Shield	0.52	0.52		pF
Plate to Cathode, Heater, and Internal Shield	3.2	3.2		pF
	3.2	4		pF

Class A₁ Amplifier

MAXIMUM RATINGS (Design-Maximum Values)

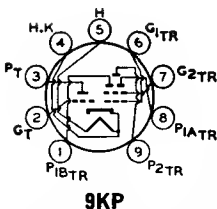
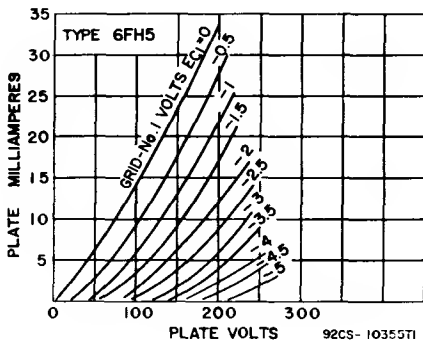
Plate Voltage	150	volts
Grid Voltage, Positive-bias value	0	volts
Cathode Current	22	mA
Plate Dissipation	2.2	watts

CHARACTERISTICS

Plate Voltage	135	volts
Grid Voltage	—1	volts
Plate Resistance (Approx.)	5600	ohms
Transconductance	9000	μmhos
Plate Current	11	mA
Grid Voltage (Approx.) for plate current of 100 μA	—5.5	volts

MAXIMUM CIRCUIT VALUE

Grid-Circuit Resistance, for cathode-bias operation	1	megohm
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MEDIUM-MU TRIODE—THREE-PLATE TETRODE

6FH8

Miniature type used in complex-wave generator applications and in television receiver applications. Sharp-cutoff tetrode unit has pair of additional plates. Outlines section, 6B; requires 9-contact socket.

Heater Voltage (ac/dc)	6.3	volts
Heater Current	0.45	ampere
Direct Interelectrode Capacitances:°		
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.2	0.06 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, Plate No.1A, and Plate No.1B	4.5	pF
Plate No.2 to Cathode, Heater, Grid No.2, Plate No.1A, and Plate No.1B	1.4	pF
Tetrode Grid No.1 to Triode Plate	0.35 max	pF
Tetrode Plate No.2 to Triode Plate	0.008 max	pF

* With external shield connected to cathode.