

	6CG3	19CG3	25CG3	
Heater Voltage (ac/dc)	6.3	19	25	volts
Heater Current	1.8	0.6	0.45	amperes
Heater Warm-up Time	—	11	11	seconds

Damper Service

For operation in a 525-line, 30-frame system

MAXIMUM RATINGS (Design-Maximum Values)

Peak Inverse Plate Voltage#	5000	volts
Peak Plate Current	2100	mA
Average Plate Current	350	mA
Plate Dissipation	6.5	watts
Heater-Cathode Voltage:		
Peak value	+300	volts
Average value	+100	volts

CHARACTERISTICS, Instantaneous Value

Tube Voltage Drop for plate current of 700 mA	25	volts
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Pulse duration must not exceed 15% of a horizontal scanning cycle (10 microseconds).

6CG8

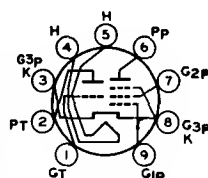
Refer to chart at end of section.

6CG8A

5CG8

**MEDIUM-MU TRIODE—
SHARP-CUTOFF PENTODE**

Miniature type used as combined oscillator and mixer tube in color and black-and-white television receivers utilizing an intermediate frequency in the order of 40 MHz. When used in an AM/FM receiver, the triode unit is used as an oscillator for both sections. In the AM section, the pentode unit is used as a high-gain pentode mixer; in the FM section, the pentode unit is used either as a pentode mixer or as a triode-connected mixer depending on signal-to-noise considerations. Outlines section, 6B; requires miniature 9-contact socket. Type 5CG8 is identical with type 6CG8A except for heater ratings. These types are electrically identical with miniature type 6X8 except for inter-electrode capacitances.

**9GF**

	5CG8	6CG8A	
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:	Unshielded	Shielded*	
Triode Unit:			
Grid to Plate	1.5	1.5	pF
Grid to Cathode, Heater, and Pentode Grid No.3	2	2.4	pF
Plate to Cathode, Heater, and Pentode Grid No.3	0.5	1	pF
Pentode Unit:			
Grid No.1 to Plate	0.04 max	0.02 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, and Grid No.3	4.6	4.8	pF
Plate to Cathode, Heater, Grid No.2, and Grid No.3	0.9	1.6	pF
Pentode Grid No.1 to Triode Plate	0.05 max	0.04 max	pF
Pentode Plate to Triode Plate	0.05 max	0.008 max	pF
Heater to Cathode	6.5	6.5*	pF

* With external shield connected to cathode, except as noted.

• With external shield connected to plate.

6CH8

Refer to chart at end of section.