

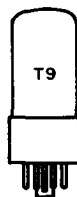
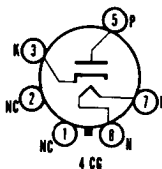
Maximum Signal Plate Current	—	30	47	35 Ma
Zero Signal Grid No. 2 Current	—	3	4.5	2.2 Ma
Maximum Signal Grid No. 2 Current	—	4	7.0	6 Ma
Transconductance	5000	3700	4100	3750 μ mhos
Amplification Factor	9.8	—	—	—
Plate Resistance (Approx.)	1960	50,000	50,000	80,000 Ohms
Load Resistance	—	5500	5000	8500 Ohms
Maximum Signal Power Output	—	2.0	4.5	5.5 Watts
Total Harmonic Distortion (Approx.)	—	8	8	12 Percent
E _{c1} for I _b = 0.5 Ma (Approx.)	-36	—	—	— Volts

NOTES:

- (1) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.
- (2) In stages operating with grid leak bias, an adequate cathode bias resistor or other suitable means is required to protect the tube in the absence of excitation.

DAMPER**6W4GT****25W4GT****Heater-Cathode Diode**

Construction Octal T-9
 Base Octal 5 or 6 Pin, B5-82
 B5-85, B6-8 or B6-60
 Basing⁽¹⁾ 4CG
 Outline 9-11 or 9-41
 Maximum Diameter 1.188 In.
 Maximum Seated Height 2.750 In.
 Maximum Overall Height 3.312 In.

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

	25W4GT	6W4GT
Heater Voltage.....	25	6.3 Volts
Heater Current	300	1200 Ma
Maximum Heater-Cathode Voltage		
Heater Negative with Respect to Cathode		
DC (Abs. Max.)	500	500 Volts
Total DC and Peak (Abs. Max.)	2300	— Volts
Heater Positive with Respect to Cathode		
DC	100	100 Volts
Total DC and Peak.....	300	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

	6W4GT	25W4GT
Heater to Cathode	7.0	11 Pf
Plate to Cathode and Heater.....	6.0	6.0 Pf
Cathode to Plate and Heater.....	13	17 Pf

RATINGS (Design Center Rating System)**Damper Service⁽²⁾**

Peak Inverse Plate Voltage (Abs. Max.)	3850 Volts
Plate Dissipation (Max.)	3.5 Watts
Steady State Peak Current (Max.)	750 Ma
DC Plate Current (Max.)	125 Ma

CHARACTERISTICS AND TYPICAL OPERATION

Tube Voltage Drop for I _b = 250 Ma	21 Volts
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NOTES:

- (1) Pins 1, 2, 4, and 6 should not be used as tie points. Pin 1 omitted on bases B5-82 and B5-85.
- (2) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.