Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
DC	900 Volts
Total DC and Peak	5000 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak	300 Volts
DIRECT INTERELECTRODES CAPACITANCES (Unshielded)	
Cathode to Plate and Heater	7.5 Pf
Plate to Cathode and Heater	5.5 Pf
Heater to Cathode	2.8 Pf
RATINGS (Design Maximum Rating System)	
Damper Service(1)	
Peak Inverse Plate Voltage (Max.)	5000 Volts
Plate Dissipation (Max.)	5.3 Watts
Steady State Peak Plate Current (Max.)	1000 Ma
DC Output Current (Max.)	165 Ma
CHARACTERISTICS AND TYPICAL OPERATION	
Tube Voltage Drop for Ib = 250 Ma	32 Volts

NOTE:

(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.

6AX4GTB

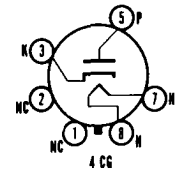
12AX4GTB, 17AX4GTA/17DM4A

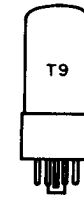
Color Television Type

DAMPER

Heater-Cathode Diode

Construction .....Octal T-9
Base .....Octal 5 Pin, B5-82
Basing(1) 4CG
Outline 9-11
Maximum Diameter .....1.188 In.
Maximum Seated Height .....2.750 In.
Maximum Overall Height .....3.313 In.





ELECTRICAL DATA

HEATER OPERATION	17AX4GTA/ 17DM4A	12AX4GTB	6AX4GTB
Heater Voltage	16.8	12.6	6.3 Volts
Heater Current	450	600	1200 Ma
Heater Warm-up Time	11	11	— Seconds

Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
DC	900 Volts
Total DC and Peak	5000 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak	300 Volts
DIRECT INTERELECTRODE CAPACITANCES (Unshielded)	
Cathode to Plate and Heater	8.5 Pf
Plate to Cathode and Heater	5.0 Pf
Heater to Cathode	4.0 Pf
RATINGS (Design Maximum Rating System)	
Damper Service(2)	
Peak Inverse Voltage (Max.)	5000 Volts
Plate Dissipation (Max.)	5.3 Watts
DC Plate Current (Max.)	165 Ma
Steady State Peak Current (Max.)	1000 Ma
CHARACTERISTICS AND TYPICAL OPERATION	
Tube Voltage Drop for Ib = 250 Ma	32 Volts

NOTES:

(1) Pins 1, 2, 4, and 6 shall not be used as tie points.
(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.