

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:

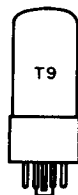
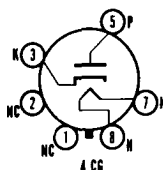
- (1) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.

6AX4GTB12AX4GTB,
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.