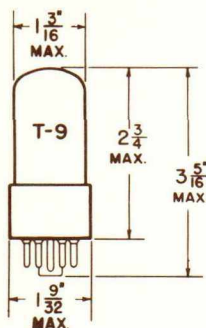


TUNG-SOL

DIODE



GLASS BULB

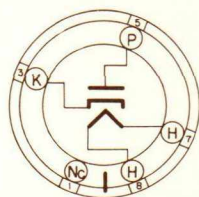
COATED UNIPOTENTIAL CATHODE

HEATER

16.8 VOLTS 0.45 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SHORT INTERMEDIATE
SHELL 6 PIN OCTAL

4CG

THE 17AX4GT IS A HEATER-CATHODE TYPE DIODE DESIGNED FOR USE IN HORIZONTAL FREQUENCY DAMPER SERVICE IN TELEVISION RECEIVERS. IT IS DESIGNED TO WITHSTAND HIGH VOLTAGE PULSES OF LINE FREQUENCY BETWEEN CATHODE AND BOTH HEATER AND PLATE ELEMENTS, SUCH AS NORMALLY ENCOUNTERED IN "DIRECT-DRIVE" CIRCUITS. THERMAL CHARACTERISTICS OF THE HEATER ARE CONTROLLED SUCH THAT HEATER VOLTAGE SURGES DURING THE WARM-UP CYCLE ARE MINIMIZED PROVIDED IT IS USED WITH OTHER TYPES WHICH ARE SIMILARLY CONTROLLED. EXCEPT FOR HEATER RATINGS AND HEATER WARM-UP TIME, THE 17AX4GT IS IDENTICAL TO THE 6AX4GT.

DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

HEATER TO CATHODE

7.5 μf

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

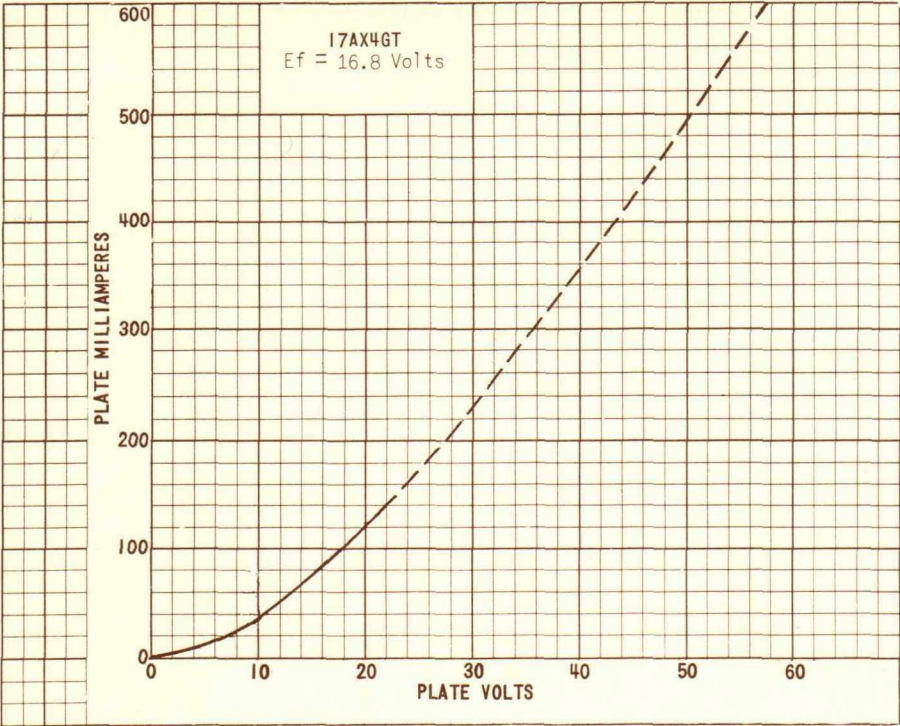
DESIGN CENTER VALUES

HEATER VOLTAGE	16.8	VOLTS
HEATER CURRENT	0.45	AMP.
MAXIMUM HEATER CATHODE VOLTAGE; HEATER POSITIVE WITH RESPECT TO CATHODE	100	VOLTS
DC COMPONENT	300	VOLTS
TOTAL DC AND PEAK	900 ^B	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE	4000 ^B	VOLTS
DC COMPONENT	4000	VOLTS
TOTAL DC AND PEAK	600	MA.
MAXIMUM PEAK INVERSE PLATE VOLTAGE ^A	3.0	AMP.
MAXIMUM STEADY STATE PEAK PLATE CURRENT	125	MA.
MAXIMUM TRANSIENT PEAK PLATE CURRENT ^C	32	VOLTS
MAXIMUM DC OUTPUT CURRENT	11.0	SECONDS
TUBE VOLTAGE DROP (WITH TUBE CONDUCTING 250 MA.)		
HEATER WARM-UP TIME (APPROX.) [*]		

^A APPLICABLE WHERE THE DUTY CYCLE OF THE VOLTAGE PULSE DOES NOT EXCEED 15% OF ONE SCANNING CYCLE, AND ITS DURATION IS LIMITED TO 10 MICROSECONDS.

^C THIS RATING APPLIES TO HOT SWITCHING WHERE TRANSIENT DURATION DOES NOT EXCEED 0.2 SECONDS.

^B VALUE GIVEN IS TO BE CONSIDERED AS AN ABSOLUTE MAXIMUM RATING. IN THIS CASE, THE COMBINED EFFECT OF SUPPLY-VOLTAGE VARIATION, MANUFACTURING VARIATION INCLUDING COMPONENTS IN THE EQUIPMENT, AND ADJUSTMENT OF EQUIPMENT CONTROLS SHOULD NOT CAUSE THE RATED VALUE TO BE EXCEEDED.



* HEATER WARM-UP TIME IS DEFINED AS THE TIME REQUIRED FOR THE VOLTAGE ACROSS THE HEATER TO REACH 80% OF ITS RATED VOLTAGE AFTER APPLYING 4 TIMES RATED HEATER VOLTAGE TO A CIRCUIT CONSISTING OF THE TUBE HEATER IN SERIES WITH A RESISTANCE OF VALUE 3 TIMES THE NOMINAL HEATER OPERATING RESISTANCE.