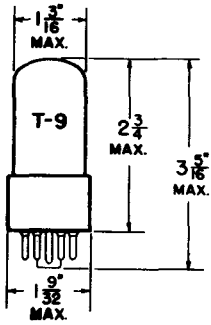
TUNG-SOL

DIODE

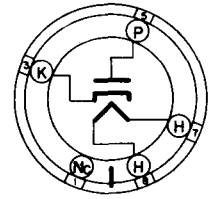


GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER
25 VOLTS 0.3 AMP.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
SHORT INTERMEDIATE SHELL 6 PIN OCTAL
4CG

THE 25AX4GT 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.

DIRECT INTERELECTRODE CAPACITANCES
WITH NO EXTERNAL SHIELD

HEATER TO CATHODE	7.5	μμf

RATINGS
INTERPRETED ACCORDING TO RETMA STANDARD MB-210

DESIGN CENTER VALUES

HEATER VOLTAGE	25	VOLTS
HEATER CURRENT	0.3	AMP.
MAXIMUM PEAK HEATER CATHODE VOLTAGE:[A]		
HEATER NEGATIVE WITH RESPECT TO CATHODE	4 000	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	100	VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE[A]	4 000	VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT	600	MA.
MAXIMUM TRANSIENT PEAK PLATE CURRENT[B]	3.0	AMP.
MAXIMUM DC OUTPUT CURRENT	125	MA.
TUBE VOLTAGE DROP (WITH TUBE CONDUCTING 250 MA.)	32	VOLTS

[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.

[B] THIS RATING APPLIES TO HOT SWITCHING WHERE TRANSIENT DURATION DOES NOT EXCEED 0.2 SECONDS.

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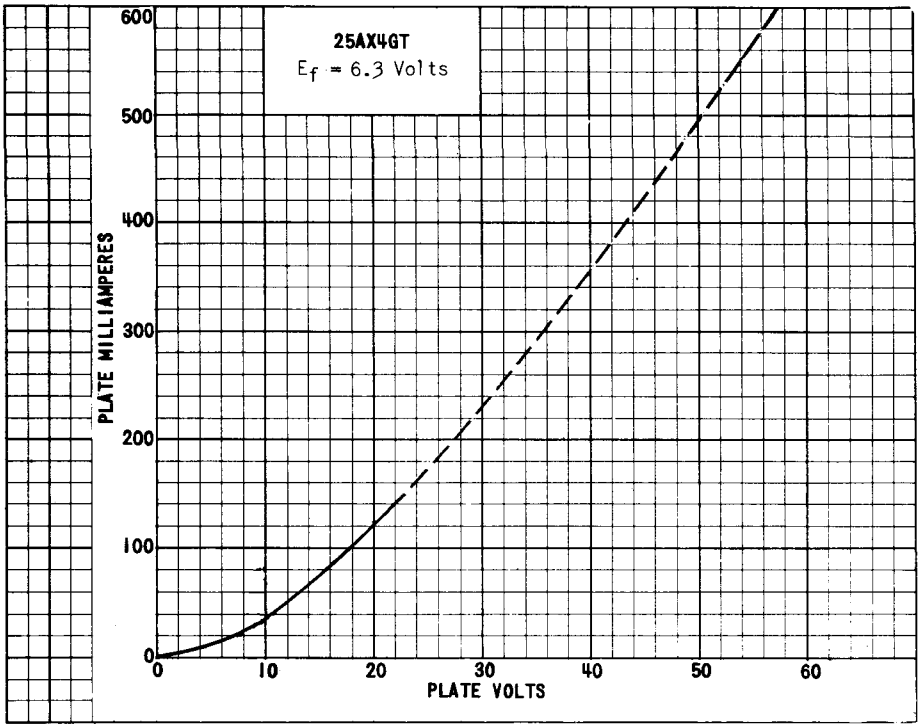
25AX4GT


25AX4GT
E_f = 6.3 Volts
PLATE MILLIAMPERES
600
500
400
300
200
100
0
0
10
20
30
40
50
60
PLATE VOLTS