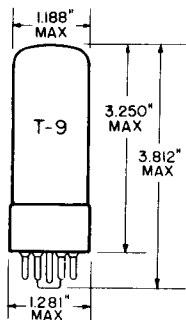


TUNG-SOL

DIODE



GLASS BULB
SHORT INTERMEDIATE
HELL 5 OR 6 PIN OCTAL
WITH

EXTERNAL BARRIERS
BASE R5.85 OR R6.60

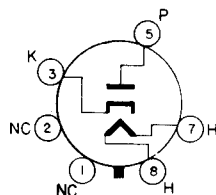
COATED UNIPOTENTIAL CATHODE

HEATER

0.510 VOLTS 1500 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
PINING DIAGRAM
JEDEC 4CG

SOCKET TERMINALS #1, #2,
#4 AND #6 SHOULD NOT BE
USED AS TIE POINTS. PIN
#1 OMITTED ON 5-PIN BASE.

4CG

THE 6AU4GTA IS A SINGLE INDIRECTLY-HEATED DIODE INTENDED FOR USE IN TELEVISION HORIZONTAL FREQUENCY DAMPER SERVICE. 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

HEATER TO CATHODE: (H TO K)	4.0	pf
PLATE TO CATHODE AND HEATER: P TO (H+K)	8.5	pf
CATHODE TO PLATE AND HEATER: K TO (P+H)	11.5	pf

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

DAMPER DIODE^B

MAXIMUM HEATER CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE		
DC	900	VOLTS
TOTAL DC AND PEAK (ABSOLUTE MAXIMUM)	4 500	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		
DC	100	VOLTS
TOTAL DC AND PEAK	300	VOLTS
MAXIMUM PEAK INVERSE PLATE VOLTAGE (ABSOLUTE MAXIMUM)	4 500	VOLTS
MAXIMUM DC PLATE CURRENT	→ 210	MA.
MAXIMUM STEADY STATE PEAK PLATE CURRENT	→ 1300	MA.
MAXIMUM PLATE DISSIPATION	→ 6.5	WATTS
AVERAGE TUBE VOLTAGE DROP (WITH TUBE CONDUCTING 350 MA.)	25	VOLTS

^B FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCASTING STATIONS; FEDERAL COMMUNICATIONS COMMISSION". THE DUTY CYCLE OF THE HORIZONTAL VOLTAGE PULSE, NOT TO EXCEED 15% OF SCANNING CYCLE.

→ INDICATES A CHANGE.

6AU4GTA

6AU4GTA
HEATER: RATED

