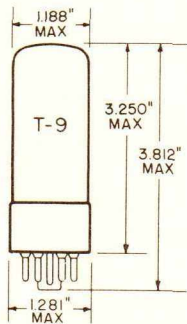


TUNG-SOL

DIODE



GLASS BULB
SHORT INTERMEDIATE
HELL 5 OR 6 PIN OCTAL
WITH
EXTERNAL BARRIERS
BASE B5-B5 OR B6-B6

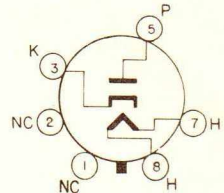
COATED UNIPOTENTIAL CATHODE

HEATER

6.3±.6 VOLTS 1800 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
BASING 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	900	VOLTS
DC	4 500	VOLTS
TOTAL DC AND PEAK (ABSOLUTE MAXIMUM)	100	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	300	VOLTS
DC	4 500	VOLTS
TOTAL DC AND PEAK	→ 210	MA.
MAXIMUM PEAK INVERSE PLATE VOLTAGE (ABSOLUTE MAXIMUM)	→ 1300	MA.
MAXIMUM DC PLATE CURRENT	→ 6.5	WATTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT		
MAXIMUM PLATE DISSIPATION		
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

