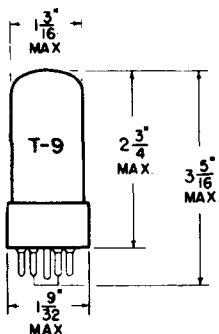


TUNG-SOL

DIODE



GLASS BULB

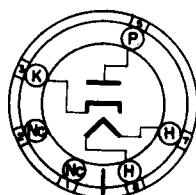
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 1.2 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SHORT INTERMEDIATE
SHELL 6 PIN OCTAL

4CG

PINS #1, 2, 4 & 6 SHALL
NOT BE USED AS TIE
POINTS

THE 6W4GT IS A HALF-WAVE HIGH VACUUM RECTIFIER DESIGNED ESPECIALLY FOR USE AS A DAMPING DIODE IN TELEVISION DEFLECTION CIRCUITS. IT CAN ALSO BE USED IN CONVENTIONAL RECTIFIER APPLICATIONS.

DIRECT INTERELECTRODE CAPACITANCES — APPROX.

HEATER TO CATHODE: H TO K	7.0	μf
CATHODE TO PLATE AND HEATER: K TO (P+H)	13	μf
PLATE TO CATHODE AND HEATER: P TO (K+H)	6.0	μf

RATINGS^A

INTERPRETED ACCORDING TO RMA STANDARD M8-220

DAMPER DIODE^B

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	1.2	AMP.
MAXIMUM PEAK INVERSE PLATE VOLTAGE (ABSOLUTE MAXIMUM)	3 850	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE (ABSOLUTE MAX.)		
DC	500	VOLTS
TOTAL DC AND PEAK	2 300	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		
DC	100	VOLTS
TOTAL DC AND PEAK	300	VOLTS
MAXIMUM DC PLATE CURRENT	125	MA.
MAXIMUM PEAK PLATE CURRENT	750	MA.
MAXIMUM PLATE DISSIPATION	3.5	WATTS
TUBE VOLTAGE DROP (WITH TUBE CONDUCTING 250 MA.)	21	VOLTS

^A DESIGN CENTER VALUES EXCEPT WHERE ABSOLUTE MAXIMUM IS STATED

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

→ INDICATES A CHANGE.

* INDICATES AN ADDITION.

6W4GT

