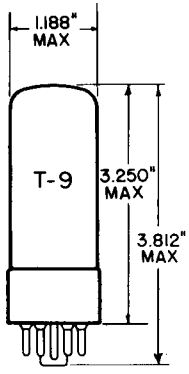
TUNG-SOL

DIODE



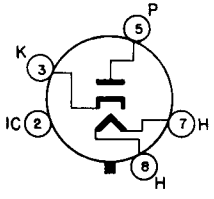
GLASS BULB
SHORT INTERMEDIATE SHELL
5 PIN OCTAL WITH
EXTERNAL BARRIERS
85 - 85
OUTLINE DRAWING
JEDEC 9-44

UNIPOTENTIAL CATHODE

FOR DAMPER SERVICE IN

TELEVISION RECEIVERS

ANY MOUNTING POSITION



BOTTOM VIEW
BASING DIAGRAM
JEDEC 4CG

THE 6DM4 IS A HALF-WAVE VACUUM RECTIFIER EMPLOYING A T-9 ENVELOPE. IT IS DESIGNED SPECIFICALLY FOR USE AS A DAMPER DIODE IN HORIZONTAL-DEFLECTION CIRCUITS OF BLACK-AND-WHITE TELEVISION RECEIVERS. EXCEPT FOR HEATER CHARACTERISTICS AND HEATER WARM-UP TIME, THE 6DM4 IS IDENTICAL TO THE 12DM4 AND THE 17DM4.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

WITHOUT EXTERNAL SHIELD

PLATE TO HEATER AND CATHODE	8.5	pf
CATHODE TO HEATER AND PLATE	11.5	pf
HEATER TO CATHODE	4	pf

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	6.3 VOLTS	1200	MA.
HEATER SUPPLY LIMITS:			
VOLTAGE OPERATION		6.3±0.6	VOLTS
MAXIMUM PEAK HEATER CATHODE VOLTAGE:			
HEATER NEGATIVE WITH RESPECT TO CATHODE		5000[A]	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE		300[B]	VOLTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MAXIMUM RATINGS

DESIGN MAXIMUM VALUES – SEE EIA STANDARD RS-239

DAMPER SERVICE

PEAK INVERSE PLATE VOLTAGE	5000[D]	VOLTS
PEAK PLATE CURRENT	1100	MA.
DC PLATE CURRENT	175	MA.
PLATE DISSIPATION	6.5	WATTS

CHARACTERISTICS

TUBE VOLTAGE DROP FOR PLATE CURRENT OF 400 MA. APPROXIMATE	35	VOLTS

[A] THE DC COMPONENT MUST NOT EXCEED 900 VOLTS.

[B] THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

[D] FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCAST STATIONS: FEDERAL COMMUNICATIONS COMMISSION", THE DUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 15% OF ONE SCANNING CYCLE. (15% OF ONE HORIZONTAL SCANNING CYCLE IS 10 MICROSECONDS.)