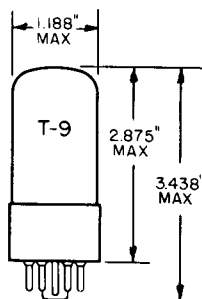


TUNG-SOL

DIODE-BEAM PENTODE

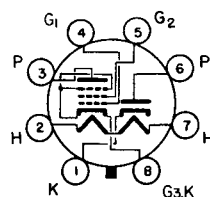


GLASS BULB
INTERMEDIATE SHELL
8 PIN OCTAL B8-6
OUTLINE DRAWING
JEDEC 9-15

FOR
POWER RECTIFIER AND
AUDIO OUTPUT APPLICATIONS

COATED UNIPOTENTIAL CATHODES

ANY MOUNTING POSITION



BOTTOM VIEW
BASING DIAGRAM
JEDEC 8A0

THE 117L7/M7GT COMBINES A HALF-WAVE RECTIFIER AND A BEAM POWER AMPLIFIER IN THE SAME ENVELOPE. IT IS DESIGNED FOR AC DC SERVICE FROM A 117 VOLT LINE IN THREE WAY PORTABLE RECEIVERS. IT HAS FOUND USE IN A NUMBER OF OTHER APPLICATIONS.

HEATER CHARACTERISTICS AND RATINGS

DESIGN MAXIMUM VALUES - SEE EIA STANDARD RS-239

AVERAGE CHARACTERISTICS	117	VOLTS	90	MA.
LIMITS OF SUPPLIED VOLTAGE			117 ± 12	VOLTS
MAXIMUM DC HEATER-CATHODE VOLTAGE			175	VOLTS

MAXIMUM RATINGS

DESIGN CENTER VALUES - SEE EIA STANDARD RS-239

DIODE UNIT

AC PLATE VOLTAGE, RMS	117	VOLTS
PEAK INVERSE VOLTAGE	350	VOLTS
STEADY-STATE PEAK PLATE CURRENT	450	MA.

PENTODE UNIT

PLATE VOLTAGE	117	VOLTS
GRID 2 VOLTAGE	117	VOLTS
PLATE DISSIPATION	6.0	WATTS
GRID 2 DISSIPATION	1.0	WATTS

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

CHARACTERISTICS AND OPERATING CONDITIONSDIODE UNIT

TUBE VOLTAGE DROP:		
MEASURED WITH APPLIED DC AT 150 MA PLATE CURRENT	16	VOLTS

HALF-WAVE POWER RECTIFIER

AC PLATE VOLTAGE, RMS	117	VOLTS
DC OUTPUT CURRENT	75	MA.
MINIMUM TOTAL EFFECTIVE PLATE SUPPLY IMPEDANCE	15	OHMS

PENTODE UNIT**CLASS A1 AUDIO POWER AMPLIFIER**

PLATE VOLTAGE	105	VOLTS
GRID 2 VOLTAGE	105	VOLTS
GRID VOLTAGE	-5.2	VOLTS
PEAK AF GRID VOLTAGE	5.2	VOLTS
ZERO-SIGNAL PLATE CURRENT	43	MA.
MAXIMUM-SIGNAL PLATE CURRENT	43	MA.
ZERO-SIGNAL GRID 2 CURRENT (NOMINAL)	4	MA.
MAXIMUM-SIGNAL GRID 2 CURRENT (NOMINAL)	5.5	MA.
PLATE RESISTANCE (APPROX.)	17,000	OHMS
TRANSCONDUCTANCE	5,300	μ MHOS
LOAD RESISTANCE	4,000	OHMS
TOTAL HARMONIC DISTORTION	5.0	PERCENT
MAXIMUM-SIGNAL POWER OUTPUT	0.85	WATT

