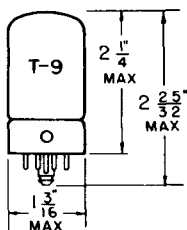


TUNG-SOL

PENTODE



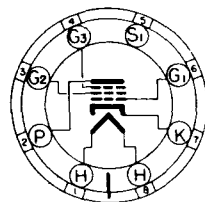
GLASS BULB

COATED UNIPOTENTIAL CATHODE

 HEATER
 12.6 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

 LOCK-IN
 8 PIN BASE

8v

THE 14A7/12B7 IS A PENTODE VOLTAGE AMPLIFIER USING THE LOCK-IN CONSTRUCTION. IT IS DESIGNED FOR RF OR IF SERVICE IN AC/DC RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES

WITH RMA SHIELD #308 CONNECTED TO CATHODE

GRID TO PLATE: (G_1 TO P)	0.003	μf
INPUT: G_1 TO (H+K+ G_2 + G_3 +IS)	6	μf
OUTPUT: P TO (H+K+ G_2 + G_3 +IS)	7	μf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	12.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM GRID #2 VOLTAGE	125	VOLTS
MAXIMUM GRID #2 SUPPLY VOLTAGE	300	VOLTS
MINIMUM EXTERNAL GRID #1 VOLTAGE	0	VOLTS
MAXIMUM PLATE DISSIPATION	4	WATTS
MAXIMUM GRID #2 DISSIPATION	0.4	WATT

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	12.6	12.6	VOLTS
HEATER CURRENT	150	150	MA.
PLATE VOLTAGE	100	250	VOLTS
GRID #3 VOLTAGE	100	100	VOLTS
GRID #2 VOLTAGE	-1	-3	VOLTS
GRID #1 VOLTAGE	60	260	OHMS
SELF BIAS RESISTOR	0.12	0.8	MEG OHM
PLATE RESISTANCE (APPROX.)	2350	2000	μMHOS
TRANSCONDUCTANCE	13	9.2	MA.
PLATE CURRENT	4	2.6	MA.
GRID #2 CURRENT	-35	-35	VOLTS
GRID #1 VOLTAGE FOR $G_m = 10 \mu\text{MHOS}$ (APPROX.)			

→ INDICATES A CHANGE OR ADDITION

14A7/12A7 (7A7)

