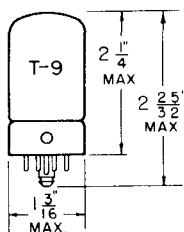


TUNG-SOL

PENTODE



GLASS BULB

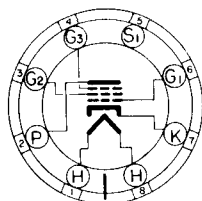
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 300 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN
8 PIN BASE

8V

THE 7A7 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 ($H+K+G_2+G_3+S$)6 μf OUTPUT: P TO ($H+K+G_2+G_3+S$)7 μf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	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 A_1 AMPLIFIER

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	300	300	MA
PLATE VOLTAGE	100	250	VOLTS
GRID #3 VOLTAGE	PIN #4 AND PIN #5 CONNECTED TO PIN #8		
GRID #2 VOLTAGE	100	100	VOLTS
GRID #1 VOLTAGE	-1	-3	VOLTS
SELF BIAS RESISTOR	60	260	OHMS
PLATE RESISTANCE (APPROX.)	0.12	0.6	MEGOHM
TRANSCONDUCTANCE	2350	2000	μMHOS
PLATE CURRENT	13	9.2	MA.
GRID #2 CURRENT	4	2.6	MA.
GRID #1 VOLTAGE FOR $G_m = 10 \mu\text{MHOS}$ (APPROX.)	-35	-35	VOLTS

→ INDICATES A CHANGE OR ADDITION

