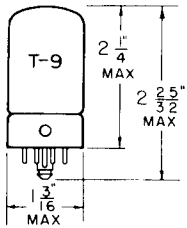
TUNG-SOL

BEAM PENTODE

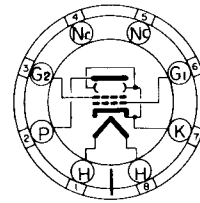


GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER
12.6 VOLTS 150 MA.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
LOCK-IN
8 PIN BASE
6AA

THE 14A5 IS A BEAM POWER AMPLIFIER USING THE LOCK-IN CONSTRUCTION. IT SHOULD BE POINTED OUT THAT THIS TYPE IS AN EXCEPTION TO THE RULE THAT THE CORRESPONDING 7 AND 14 VOLT TYPES HAVE THE SAME CHARACTERISTICS.

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	300	VOLTS
MAXIMUM PLATE DISSIPATION	7.5	WATTS
MAXIMUM GRID #2 DISSIPATION	1.5	WATTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE (FIXED BIAS)	1	MEGOHM
MAXIMUM GRID #1 CIRCUIT RESISTANCE (SELF BIAS)	0.5	MEGOHM

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER VOLTAGE	12.6	VOLTS
HEATER CURRENT	150	MA.
PLATE VOLTAGE	250	VOLTS
GRID #2 VOLTAGE	250	VOLTS
GRID #1 VOLTAGE	-12.5	VOLTS
PEAK A-F SIGNAL VOLTAGE	12.5	VOLTS
ZERO-SIGNAL PLATE CURRENT	30	MA.
ZERO-SIGNAL GRID #2 CURRENT	3.5	MA.
MAXIMUM SIGNAL PLATE CURRENT	32	MA.
MAXIMUM SIGNAL GRID #2 CURRENT	5.5	MA.
PLATE RESISTANCE	70 000	OHMS
TRANSCONDUCTANCE	3 000	µMHOS
LOAD RESISTANCE	7 500	OHMS
POWER OUTPUT	2.8	WATTS
TOTAL HARMONIC DISTORTION	7	PERCENT

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PLATE
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MAY 1
1950

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