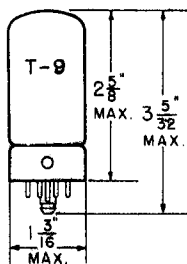


## TUNG-SOL

## BEAM PENTODE



GLASS BULB

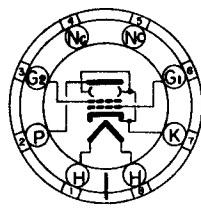
COATED UNIPOTENTIAL CATHODE

HEATER

50 VOLTS 150 MA.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCKING-IN  
8 PIN BASE

THE 50A5 IS DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF AC/DC RECEIVERS. IT DELIVERS HIGH POWER OUTPUT WITH HIGH POWER SENSITIVITY FROM LOW SUPPLY VOLTAGES.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD W8-210

HEATER VOLTAGE	50	VOLTS
MAXIMUM PLATE VOLTAGE	200	VOLTS
MAXIMUM GRID #2 VOLTAGE	117	VOLTS
MAXIMUM PLATE DISSIPATION	10	WATTS
MAXIMUM GRID #2 DISSIPATION	1.25	WATTS

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

HEATER VOLTAGE	50	50	VOLTS
HEATER CURRENT	150	150	MA.
PLATE VOLTAGE	110	200	VOLTS
GRID #2 VOLTAGE	110	110	VOLTS
GRID #1 VOLTAGE	-7.5	-8	VOLTS
PEAK AF SIGNAL VOLTAGE	7.5	8	VOLTS
GRID CIRCUIT RESISTANCE (MAX.):			
FOR FIXED BIAS	0.1	0.1	MEGOHM
FOR CATHODE BIAS	0.5	0.5	MEGOHM
ZERO SIGNAL PLATE CURRENT	49	50	MA.
ZERO SIGNAL GRID #2 CURRENT (NOMINAL)	4	1.5	MA.
MAXIMUM SIGNAL PLATE CURRENT	50	55	MA.
MAXIMUM SIGNAL GRID #2 CURRENT (NOMINAL)	11	6	MA.
PLATE RESISTANCE (APPROX.)	10 000	35 000	OHMS
TRANSCONDUCTANCE	8 200	8 250	μMHOS
LOAD RESISTANCE	2 000	3 000	OHMS
TOTAL HARMONIC DISTORTION	10	10	PERCENT
POWER OUTPUT	2.2	4.7	WATTS

**SIMILAR TYPE REFERENCE:** Ratings and characteristics identical to 50L6GT. Except for heater ratings identical to 25L6GT, somewhat similar to 35L6GT.