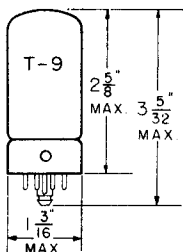


## TUNG-SOL

## BEAM POWER AMPLIFIER



GLASS BULB

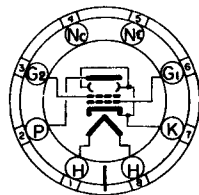
COATED UNIPOTENTIAL CATHODE

HEATER

35 VOLTS 0.15 AMPERE

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCKING-IN  
8 PIN BASE

THE 35A5 IS A BEAM POWER AMPLIFIER OF THE HEATER-CATHODE TYPE USING THE LOCK-IN CONSTRUCTION. IT IS DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF DC AND AC-DC RECEIVERS.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE (AC OR DC)	35	VOLTS
HEATER CURRENT	0.15	AMP.
MAX. PLATE VOLTAGE	200	VOLTS
MAX. SCREEN VOLTAGE	117	VOLTS
MAX. PLATE DISSIPATION	8.5	WATTS
MAX. SCREEN DISSIPATION	1	WATT
HEATER-CATHODE VOLTAGE	AS LOW AS POSSIBLE	

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS  $A_1$  AMPLIFIER

PLATE VOLTAGE	110	200	VOLTS
SCREEN VOLTAGE	110	110	VOLTS
GRID VOLTAGE	7.5	-8	VOLTS
PEAK AF GRID VOLTAGE	7.5	8	VOLTS
ZERO-SIGNAL PLATE CURRENT	40	41	MA.
ZERO-SIGNAL SCREEN CURRENT (APPROX.)	3	2	MA.
MAX.-SIGNAL PLATE CURRENT	41	44	MA.
MAX.-SIGNAL SCREEN CURRENT (APPROX.)	7	7	MA.
PLATE RESISTANCE (APPROX.)	14 000	40 000	OHMS
GRID RESISTOR (MAX.)			
FIXED BIAS	0.1	0.1	MEGOHM
CATHODE BIAS	0.5	0.5	MEGOHM
LOAD RESISTANCE	2500	4500	OHMS
TRANSCONDUCTANCE	5800	5900	$\mu$ MHOS
MAX.-SIGNAL POWER OUTPUT	1.5	3.3	WATTS
TOTAL HARMONIC DISTORTION	10	10	PER CENT

**SIMILAR TYPE REFERENCE:** Same characteristics as type 35L6G; somewhat similar to type 25L6G, amplifier unit of type 70L70T.