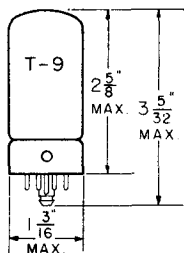


TUNG-SOL

BEAM POWER AMPLIFIER



GLASS BULB

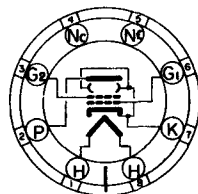
COATED UNIPOTENTIAL CATHODE

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 A₁ 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	μMHOS
MAX.-SIGNAL POWER OUTPUT	1.5	3.3	WATTS
TOTAL HARMONIC DISTORTION	10	10	PER CENT

SIMILAR TYPE REFERENCES: Same characteristics as type 35L80; somewhat similar to type 28L80, amplifier unit of type 70L70T.