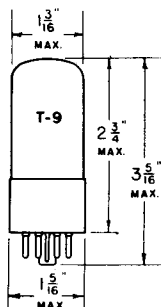


TUNG-SOL



RECTIFIER
PENTODE POWER AMPLIFIER

UNIPOTENTIAL CATHODES

HEATER

25 VOLTS 0.3 AMPERE
 AC OR DC

GLASS BULB



G-8F

BOTTOM VIEW

INTERMEDIATE 8 PIN OCTAL BASE

THE TUNG-SOL 25A7GT/G COMBINES A HALF WAVE RECTIFIER AND A PENTODE POWER AMPLIFIER IN A SINGLE BULB. IT IS DESIGNED FOR SERVICE IN AC-DC OPERATED RECEIVERS.

RATINGS

PENTODE POWER AMPLIFIER UNIT

MAXIMUM PLATE VOLTAGE	117	VOLTS
MAXIMUM SCREEN VOLTAGE	117	VOLTS
MAXIMUM PLATE DISSIPATION	2.25	WATTS
MAXIMUM SCREEN DISSIPATION	0.8	WATT

RATINGS

RECTIFIER UNIT

MAXIMUM AC PLATE VOLTAGE (RMS)	117	VOLTS
MAXIMUM DC HEATER TO CATHODE POTENTIAL	175	VOLTS
MAXIMUM PEAK INVERSE VOLTAGE	350	VOLTS
MAXIMUM STEADY STATE PEAK PLATE CURRENT	450	MA.
TUBE VOLTAGE DROP; MEASURED WITH APPLIED DC AT 150 MA. PLATE CURRENT	23	VOLTS
MAXIMUM DC OUTPUT CURRENT	75	MA.
MINIMUM EFFECTIVE PLATE SUPPLY IMPEDANCE	15	OHMS

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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	VOLTS
SCREEN VOLTAGE	100	VOLTS
CONTROL GRID VOLTAGE ^A	-15	VOLTS
ZERO-SIGNAL PLATE CURRENT	20.5	MA.
ZERO-SIGNAL SCREEN CURRENT	4	MA.
PLATE RESISTANCE	50 000	OHMS
TRANSCONDUCTANCE	1800	μMHOS
LOAD RESISTANCE	4500	OHMS
TOTAL HARMONIC DISTORTION	9	PER CENT
POWER OUTPUT	0.77	WATT

^A THE DC RESISTANCE IN THE GRID CIRCUIT, UNDER MAXIMUM RATED CONDITIONS, SHOULD NOT EXCEED 0.5 MEGOHM FOR SELF BIAS OPERATION AND 0.1 MEGOHM FOR FIXED BIAS OPERATION.

