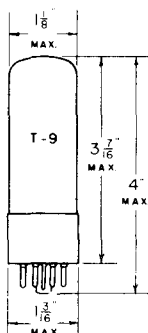


TUNG-SOL



DIODE-POWER PENTODE AMPLIFIER

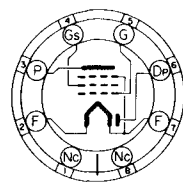
COATED FILAMENT

1.4 VOLTS 0.05 AMPERE

DC

GLASS BULB

SMALL 8 PIN OCTAL BASE



G-7AM

BOTTOM VIEW

THE TUNG-SOL IN6G IS A LOW VOLTAGE, LOW CURRENT DRAIN BATTERY TYPE POWER PENTODE WITH A SINGLE DIODE SECTION. IT IS DESIGNED FOR SERVICE WITH 90 VOLTS OF "B" BATTERY AND A SINGLE DRY CELL "A" BATTERY.

RATINGS

MAXIMUM FILAMENT VOLTAGE

DRY BATTERY OPERATION—VOLTAGE MUST NEVER EXCEED

1.6 VOLTS

AC-DC POWER LINE OPERATION—DESIGN CENTER

1.3 VOLTS

MAXIMUM PLATE VOLTAGE

110 VOLTS

MAXIMUM SCREEN VOLTAGE

110 VOLTS

MAXIMUM TOTAL CATHODE CURRENT OF THE PENTODE SECTION

ZERO-SIGNAL

6 MA.

MINIMUM DIODE CURRENT^A

0.5 MA.

WITH 10 VOLTS DC APPLIED

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	90	VOLTS
SCREEN VOLTAGE	90	VOLTS
CONTROL GRID VOLTAGE ^B	-4.5	VOLTS
PEAK AF SIGNAL VOLTAGE	4.9	VOLTS
ZERO-SIGNAL PLATE CURRENT	3.4	MA.
ZERO-SIGNAL SCREEN CURRENT	0.7	MA.
MAXIMUM-SIGNAL PLATE CURRENT	3.4	MA.
MAXIMUM-SIGNAL SCREEN CURRENT	1.2	MA.
PLATE RESISTANCE APPROX.	0.3	MEGOHM
TRANSCONDUCTANCE	800	μMHOS
LOAD RESISTANCE	25 000	OHMS
TOTAL HARMONIC DISTORTION	7	PER CENT
POWER OUTPUT — AT PEAK SIGNAL	100	MILLIWATTS

^A DIODE PLATE LOCATED AT THE NEGATIVE END OF THE FILAMENT (PIN #7).

^B RETURN TO NEGATIVE FILAMENT (PIN #7).

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.