DIODE-POWER PENTODE AMPLIFIER

COATED FILAMENT

1.4 VOLS 0.05 AMPERE DC

GLASS BULB

SMALL 8 PIN OCTAL BASE

THE TUNG-SOL 1N6G IS A LOW VOLTAGE, LOW CURRENT DRUM 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 MUHRS
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.