TUNG-SOL

PENTODE POWER AMPLIFIER

COATED FILAMENT

1.4 VOLTS 0.05 AMPERE DC

GLASS BULB

LOCKING-IN 8 PIN BASE

Tung-Sol 1LB4 is a low voltage, low current drain, battery type power pentode. It is designed for service with 90 volts of "B" battery and a single dry cell "A" battery. Its ratings and electrical characteristics are identical to those of the pentode section of the 10BM.

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 CATHODE CURRENT — ZERO SIGNAL 6 MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

PLATE VOLTAGE 45 62.5 67.5 90 VOLTS
SCREEN VOLTAGE 43 62.5 67.5 90 VOLTS
CONTROL GRID VOLTAGE A -4.5 -5.0 -6.0 -9.0 VOLTS
PEAK AF SIGNAL VOLTAGE 4.5 5.0 6.0 9.0 VOLTS
PLATE CURRENT 1.6 3.8 3.8 5.0 MA.
SCREEN CURRENT 0.3 0.8 0.8 1.0 MA.
PLATE RESISTANCE APPROX. 0.3 0.2 0.2 0.2 MEGOHM
TRANSCONDUCTANCE 650 875 875 925 MHZ
LOAD RESISTANCE 20000 16000 16000 12000 OHMS
TOTAL HARMONIC DISTORTION 10 10 10 10 PER CENT
POWER OUTPUT 35 90 100 200 MILLIWATTS

A return to negative filament (pin 8)

For "interpretation of ratings" refer to front of book.

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