TUNG-SOL

DIODE TRIODE AMPLIFIER

COATED FILAMENT
1.4 VOLTS 0.09 AMPERE
DC

GLASS BULB
ANY MOUNTING POSITION

IH5GT/G
SKIRTED MINIATURE CAP

ILH4

BOTTOM VIEW
7-PIN OCTAL BASE
WITH METAL SHELL

BOTTOM VIEW
LOCKING-IN 8-PIN

THE IH5GT/G AND ILH4 ARE TUBES COMBINING A SINGLE DIODE AND A HIGH-MU TRIODE IN ONE BULB. THEY ARE DESIGNED FOR SERVICE AS DIODE DETECTORS, AVC RECTIFIERS, AND AS RESISTANCE COUPLED AMPLIFIERS.

RATINGS
INTERPRETED ACCORDING TO EWA STANDARD WE-210

MAXIMUM PLATE VOLTAGE 110 VOLTS
MINIMUM DIODE CURRENT WITH 120 VOLTS DC APPLIED 0.9 MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A2 AMPLIFIER

TRIODE UNIT

PLATE VOLTAGE 90 VOLTS
CONTROL GRID VOLTAGE A 0 VOLTS
PLATE CURRENT 0.15 MA.
PLATE RESISTANCE 0.24 MEGOHM
TRANSCONDUCTANCE 275 AMPS
AMPLIFICATION FACTOR 65

A REFERRED TO NEGATIVE FILAMENT TERMINAL

DIODE UNIT

THE DIODE IS LOCATED AT THE NEGATIVE END OF THE FILAMENT AND IS INDEPENDENT OF THE TRIODE UNIT EXCEPT FOR THE COMMON FILAMENT.

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ILH4 (IH5GT/G)

**Plate Current (Ib) in Microamperes**

**Plate Volts (E_b)**

**ILH4, IH5GT/G Triode Section**

\[ E_f = 1.4 \text{ Volts} \]

**Amplification Factor (\( \mu \))**

**Transconductance (\( g_m \))**

**Plate Resistance (\( r_p \))**

**Plate Current (Ib) in Microamperes**

\[ E_f = 1.4 \text{ V.} \]
\[ E_b = 90 \text{ V.} \]

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