TUNG-SOL

PENTODE POWER AMPLIFIER

COATED FILAMENT
1.4 VOLTS 0.05 AMPERE
DC

GLASS BULB

T-9

ANY MOUNTING POSITION

T-9

BOTTOM VIEW
INTERMEDIATE SHELL
7-PIN OCTAL BASE

BOTTOM VIEW
LOCKING-IN
8-PIN

RATINGS
INTERPRETED ACCORDING TO RMA STANDARD MS-210

MAXIMUM PLATE VOLTAGE 110 VOLTS
MAXIMUM SCREEN VOLTAGE 110 VOLTS
MAXIMUM CATHODE CURRENT 6.0 MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A1 AMPLIFIER

PLATE VOLTAGE 85 90 VOLTS
SCREEN VOLTAGE 85 90 VOLTS
GRID VOLTAGE -4.5 -4.5 VOLTS
PEAK A-F GRID VOLTAGE 4.5 4.5 VOLTS
ZERO-SIG. PLATE CURRENT 3.5 4.0 MA.
MAXIMUM SIG. PLATE CURRENT 3.5 4.0 MA.
ZERO-SIG. SCREEN CURRENT 0.7 0.8 MA.
MAXIMUM SIG. SCREEN CURRENT 1.0 1.1 MA.
PLATE RESISTANCE 0.3 0.3 MEGOHM
TRANSCONDUCTANCE 800 850 MMOS
LOAD RESISTANCE 25000 25000 OHMS
TOTAL HARMONIC DISTORTION 10 7.0 PER CENT
MAXIMUM SIG. POWER OUTPUT 100 115 MW.

A RETURN TO NEGATIVE FILAMENT
ILA4 (IA5GT/G)

**ILA4, IA5GT/G**

- $E_f = 1.4$ V DC
- $E_{c2} = 90$ V.

**Plate Current ($I_p$) in Milliamperes**

![Plate Current Graph](attachment:plate_current_graph.png)

**Power Output ($P_o$) in Milliwatts**

- $E_f = 1.4$ V DC
- $E_{b} = 90$ V.
- $E_{c4} = -4.5$ V.
- $E_{c2} = 90$ V.
- $E_{sio} = 3.2$ V RMS

**Harmonic Distortion in Per Cent**

- Rated Load

**Load Resistance ($R_L$) in Ohms**

- 2nd Harm.
- 3rd Harm.

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