

## EDISWAN

EHA.2500

## FORCED AIR COOLED TRIODE

GENERAL

The EHA 2500 is a three electrode valve designed for use as a Radio Frequency Amplifier or Oscillator. The anode is fitted with a special radiator and cooling is obtained by forced air.

As the design minimises lead inductance, this valve is particularly suitable for H.F. applications.

RATING

|                                            |                   |           |
|--------------------------------------------|-------------------|-----------|
| Filament Voltage (volts)                   | $V_f$             | 8.0       |
| Filament Current (amps)                    | $I_f$             | 80.0      |
| Maximum Anode Voltage (volts)              | $V_a(\text{max})$ | 7,500     |
| Average Maximum Filament Emission (amps)   | $F_{em}$          | 4.5       |
| Maximum Anode Dissipation (kW)             | $W_a(\text{max})$ | 2.5       |
| Mutual Conductance (mA/V)                  | $g_m$             | • 5.5     |
| Amplification Factor                       | $\mu$             | • 55.0    |
| Anode Impedance (ohms)                     | $r_a$             | • 10,000  |
| Maximum Operating Frequency at full rating |                   | † 40 Mc/s |

- Taken at  $V_a = 7,000\text{v}$ ;  $I_a = 400\text{mA}$ .

† At higher frequencies the maximum permissible anode voltages and inputs must be reduced.

INTER-ELECTRODE CAPACITANCES

|                                   |          |      |
|-----------------------------------|----------|------|
| Anode/Grid ( $\mu\text{pF}$ )     | $Ca-g_1$ | 11.0 |
| Anode/Filament ( $\mu\text{pF}$ ) | $Ca-f$   | 1.0  |
| Grid/Filament ( $\mu\text{pF}$ )  | $g_1-f$  | 12.0 |

AIR FLOW

200 cubic feet per minute. 15 cubic feet per minute on to seals. When the valve is mounted with glass end up arrangements should be made to draw the cooling air through the radiator. If this is not possible it is recommended that the valve should be mounted with the glass end down and the leads passed through the sides of a special supporting cylinder. The outline drawing of this cylinder is shown on the next page and can be supplied.

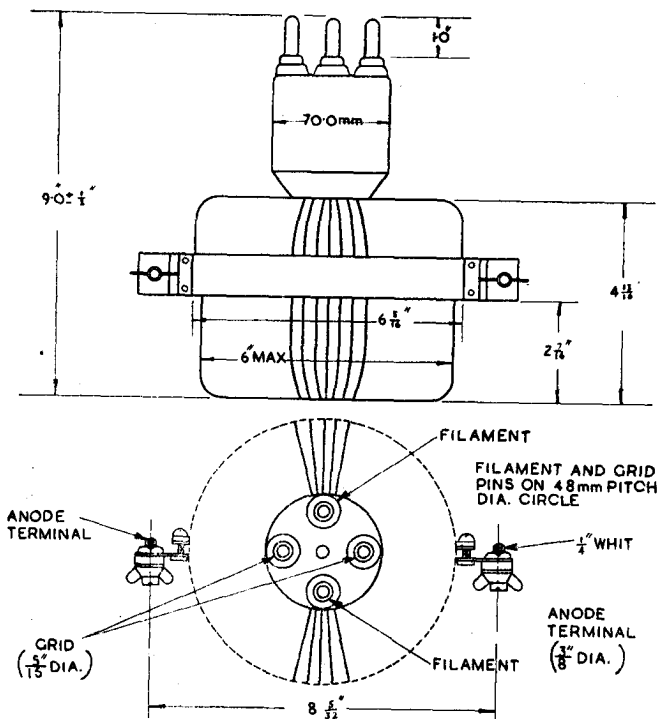
DIMENSIONS

|                                 |      |
|---------------------------------|------|
| Maximum Overall Length (mm)     | 240  |
| Maximum Diameter (mm)           | 150  |
| Approximate Nett Weight (lbs)   | 13.0 |
| Approximate Packed Weight (lbs) | 54.0 |

MOUNTING POSITION - Vertical

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EHA.2500  
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EHA 2500



ALL DIMS IN INs UNLESS  
STATED OTHERWISE

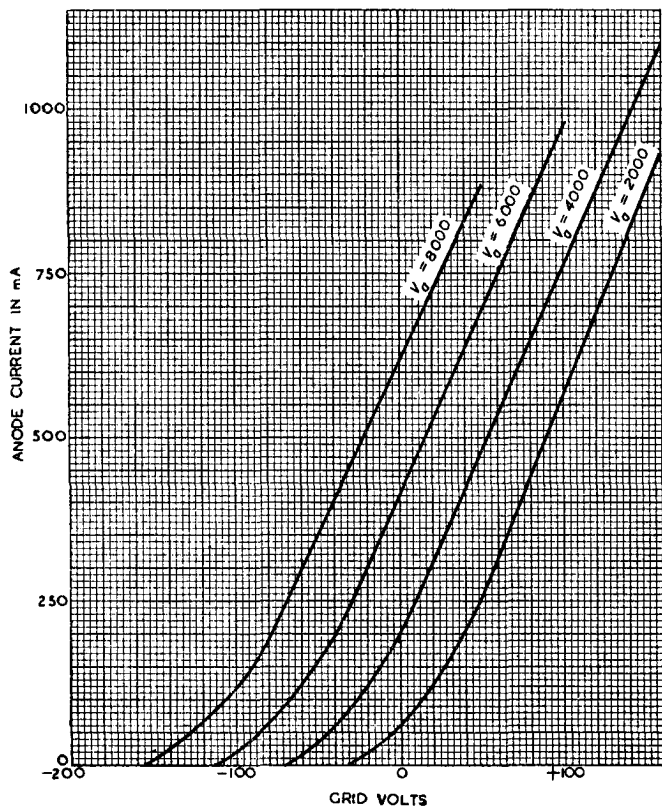
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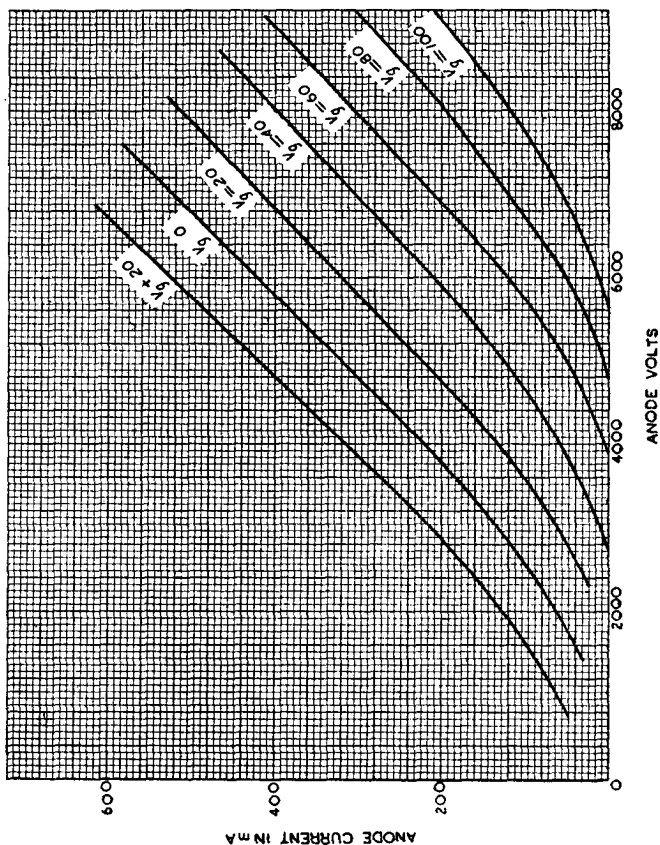
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**AVERAGE CHARACTERISTICS**



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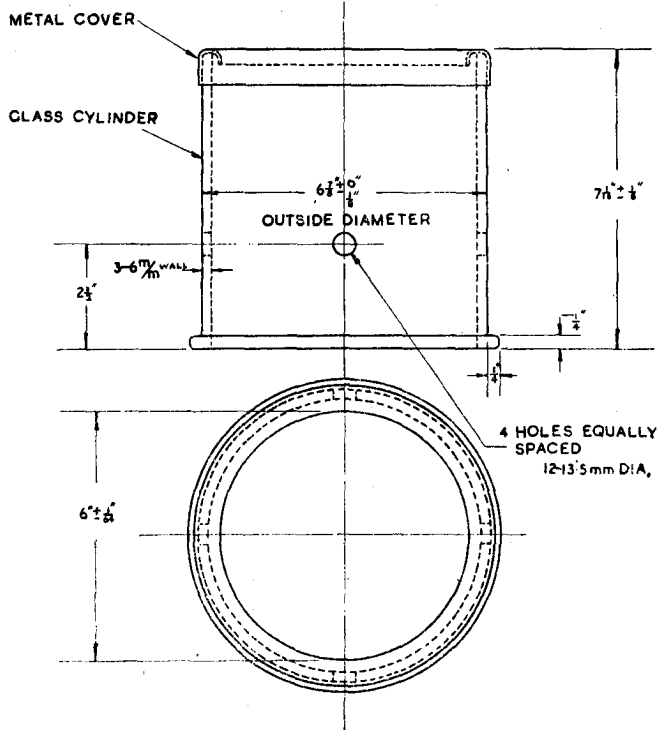
AVERAGE CHARACTERISTICS



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SUPPORT TYPE G.C.2.

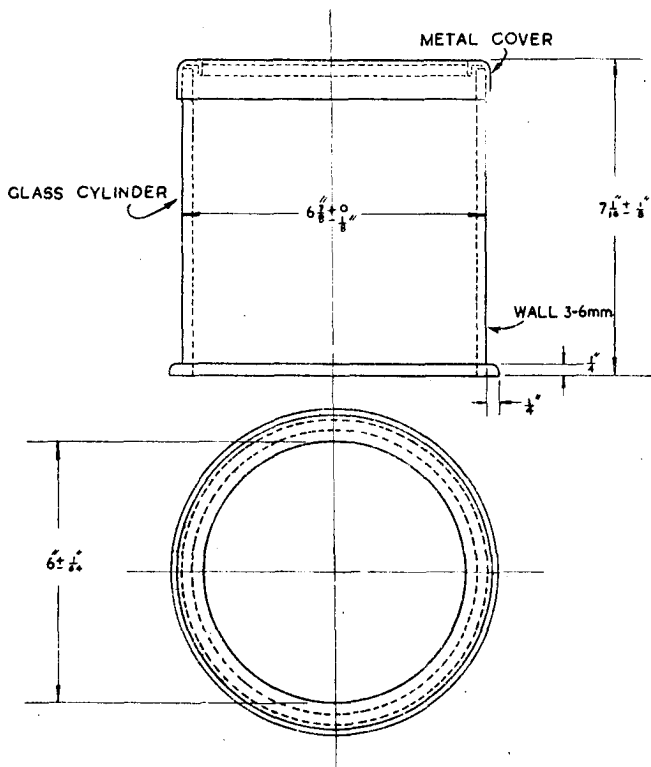


NOTE THIS SUPPORT IS USED WHEN VALVE IS OPERATED  
IN AN INVERTED POSITION

ALL DIMS IN ins UNLESS  
STATED OTHERWISE

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SUPPORT TYPE G.C.1.



ALL DIMS IN ins UNLESS  
STATED OTHERWISE  
FOR USE WHEN VALVE IS MOUNTED WITH GLASS END UP