

# FERRANTI

## VACUUM HIGH VOLTAGE RECTIFIER

An indirectly heated Half-Wave High Voltage Rectifier.

### PHYSICAL DETAILS

- Base ... .. International Octal.
- Top Cap ... .. Skirted Miniature.
- Max. Overall Length... 118 mm. (4 $\frac{1}{2}$ " )
- Max. Seated Height ... 104 mm. (4 $\frac{3}{8}$ " )
- Max. Diameter (Base) 33 mm. (1 $\frac{5}{16}$ " )
- Mounting Position ... Any.

### BASE CONNECTIONS

- Pin 1.—No Connection. Pin 5.—No Connection.
- Pin 2.—Heater. Pin 6.—No Connection.
- Pin 3.—No Connection. Pin 7.—No Connection.
- Pin 4.—No Connection. Pin 8.—Heater, cathode.
- Top Cap—Anode.

### HEATER

- Heater Voltage ... .. 40 volts.
- Heater Current ... .. 1.25 amps.

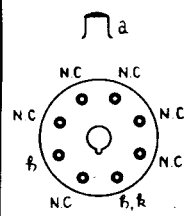
### RATINGS

The following ratings are "Absolute" and apply to operation at 50 °c/s with a capacitor input and delayed switching.

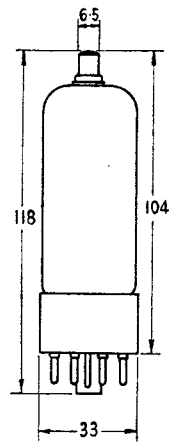
- Max. P.I.V. (no load) ... .. 140 kV.
- \*Max. P.I.V. (working) ... .. 12.5 kV.
- Max. R.M.S. Input Voltage ... 5.0 kV.
- Max. Peak Anode Current ... 350 mA.
- Max. Rectified Current ... .. 50 mA.
- Max. Reservoir Capacitor ... 1.0  $\mu$ F.
- Min. Supply Impedance ... .. 4000 ohms
- Min. Switching Delay Time ... 60 secs.

\*The Valve may be operated at a P.I.V. (working) of 15 kV. [P.I.V. (no load) 16.5 kV.] provided that the maximum Rectified Current load is reduced to 40 mA., and the maximum Peak Anode Current is restricted to 300 mA. Under these conditions the supply impedance should be increased to a minimum of 5000 ohms.

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Base Connections Underside View of Base



All dimensions shown are in millimetres. (max.).



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