

**FERRANTI****VACUUM HIGH VOLTAGE RECTIFIER**

A miniature indirectly heated Half-Wave High Voltage Rectifier, suitable for use for E.H.T. supplies for Oscilloscopes, Television Receivers, etc.

**PHYSICAL DETAILS**

Base ... ..	B7G
Top Cap... ..	Skirted Miniature
Max. Overall Length ...	60 mm. ( $2\frac{1}{8}$ " )
Max. Seated Height ...	53 mm. ( $2\frac{1}{8}$ " )
Max. Diameter ... ..	19 mm. ( $\frac{3}{4}$ " )
Mounting Position ...	Any

**BASE CONNECTIONS**

Pin 1.—Cathode.	Pin 5.—Cathode.
Pin 2.—Cathode.	Pin 6.—Cathode.
Pin 3.—Heater.	Pin 7.—Cathode.
Pin 4.—Heater.	Top Cap—Anode.

**HEATER**

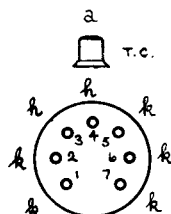
Heater Voltage ... ..	4.0 volts.
Heater Current ... ..	0.5 Amp.

**RATINGS**

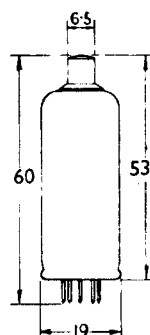
The following Ratings are "Absolute" and apply to operation at 50 c/s with a capacitor input filter and delayed switching.

Max. P.I.V. (no load) ...	15.5 kV.
Max. P.I.V. (working) ...	13.0 kV.
Max. R.M.S. Input Voltage ...	5.5 kV.
Max. Peak Anode Current ...	40 mA.
Max. Rectified Current ...	5 mA.
Max. Reservoir Condenser ...	0.25 $\mu$ F.
Min. Supply Impedance ...	50,000 ohms.
Min. delay for H.T. switching	30 secs.
Max. Operating Frequency ...	100 kc/s.

This valve may be used with simultaneous switching providing the RMS input voltage is not more than 3.5 kV and the rectified current does not exceed 1.5 mA.

**HR2**

**Base Connections**  
**Underside View of Base**



All dimensions shown are in millimetres. (max.)





HR2

D.C. OUTPUT (KILOVOLTS).

