

FERRANTI

VACUUM HIGH VOLTAGE RECTIFIER

A miniature indirectly heated Half-Wave High Voltage Rectifier.

PHYSICAL DETAILS.

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

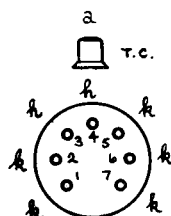
RATINGS*

Max. P.I.V. (no load)	...	...	...	14.0 kV.
Max. P.I.V. (working)	...	...	...	11.5 kV.
Max. R.M.S. Input Voltage	...	...	...	5.0 kV.
Max. Peak Anode Current	...	...	...	80 mA.
Max. Rectified Current	...	...	...	15 mA.
Max. Reservoir Condenser	...	...	...	1.0 μ F.
Min. Supply Impedance	...	...	...	30,000 ohms.
†Min. Delay for H.T. switching	...	...	...	30 secs.
Max. Operating Frequency	...	...	...	100 kc/s.

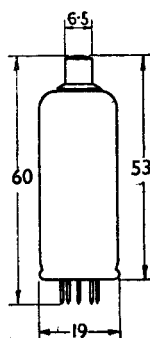
*The above Ratings are "Absolute" and apply to operation at 50 c/s. with a capacitor input filter and delayed switching.

†This valve may be used with simultaneous switching providing the R.M.S. input voltage is not more than 3.5 kV. and the rectified current does not exceed 3.0 mA.

HR3



**Base
Connections
Underside View
of Base**



All Dimensions
shown are in
millimetres
(max.).





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