



VACUUM HIGH VOLTAGE RECTIFIER

A directly heated Half-Wave High Voltage Rectifier, with thoriated tungsten filament.

PHYSICAL DETAILS.

Base	...	...	Medium UX-4.
Top Cap	...	...	Skirted Medium CT3.
Max. Overall Length	...	154 mm.	(6 $\frac{1}{4}$ in.).
Max. Seated Height	...	140 mm.	(5 $\frac{1}{2}$ in.).
Max. Diameter	...	45 mm.	(1 $\frac{1}{2}$ in.).
Mounting Position	...	Any.	

BASE CONNECTIONS.

Pin 1.—Filament.	Pin 3.—No Connection.
Pin 2.—No Connection.	Pin 4.—Filament.
TC.—Anode.	

HEATER.

Heater Voltage	...	...	...	2.5 volts.
Heater Current	...	...	...	5.0 amp.

RATINGS* (Absolute).

Max. P.I.V. (no load)	...	...	40 kV.
Max. P.I.V. (working)	...	...	36 kV.
Max. R.M.S. Input Voltage	...	...	15 kV.
Max. Peak Anode Current	...	...	175 mA.
Max. Peak Rectified Current	...	...	25 mA.
Max. Reservoir Capacitor	...	...	0.1 μ F.
Min. Supply Impedance	...	...	27 k Ω
Min. Switching Delay Time	...	...	5 secs.

OPERATING NOTES.

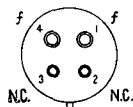
It is advisable to clean the bulb at regular intervals as accumulation of dust or dirt on the bulb may cause leakage paths and lead to failure of the valve.

X-RAY WARNING.

Operation at high anode voltage may result in the production of X-rays which could cause possible injury from prolonged exposure at close range unless adequate shielding is provided. Relatively simple shielding should prove adequate.

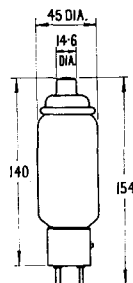
*The above ratings are "Absolute Maximum Ratings" and apply to operation at 50 c/s. with a capacitor input and delayed switching.

HRI2



Base Connections

Underside View of Base



All Dimensions shown are in millimetres (max.).

