

FERRANTI

HALF WAVE RECTIFIER

An indirectly heated, high vacuum half wave rectifier. It is designed for use in applications where shock and vibration are encountered.

PHYSICAL DETAILS.

Base	...	UX-4 Pin.
Bulb	...	Clear.
Max. Overall Length	...	115 mm. ($4\frac{1}{2}$ in.).
Max. Seated Height	...	99 mm. ($3\frac{3}{4}$ in.).
Max. Diameter (Bulb)	...	40 mm. ($1\frac{5}{8}$ in.).
Anode Cap	...	CT ₂ .
Mounting Position	...	Any.

BASE CONNECTIONS.

Pin 1—Heater.	Pin 3—No Connection
Pin 2—No Connection	Pin 4—Heater, Cathode.
Top Cap—Anode.	

HEATER.

Heater Voltage	...	2.5 volts.
Heater Current	...	1.75 amps.

RATINGS.

Max. P.I.V.	...	12.5 kV.
Max. Peak Anode Current	...	60 mA.
Max. Rectified Current	...	7.5 mA.
†Max. Hot Switching Transient Current	...	100 mA.
Max. Ambient Temperature	...	70 °C.

TYPICAL OPERATION.

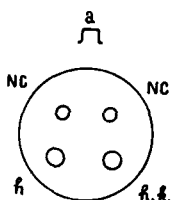
Capacitor Input Filter.

R.M.S. Input Voltage	...	5.5 kV.
Min. Supply Impedance	...	300,000 ohms.
Filter Input Capacitor	...	0.1 μF.
Rectified Current	...	2.0 mA.
*DC. Output Voltage	...	4.5 kV.

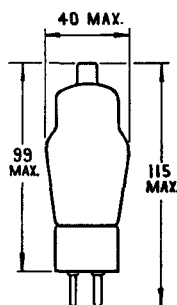
*At input to filter.

†Maximum duration 200 milliseconds.

2X2A



**Base
Connections
Underside View
of Base**



All dimensions shown are in millimetres (max.).





2X2A

