

FERRANTI

FULL WAVE RECTIFIER

A miniature indirectly heated, full wave rectifier.

PHYSICAL DETAILS.

Base	...	...	...	B7G.
Bulb	...	...	...	Clear.
Max. Overall Length	...	...	...	67.5 mm. (2 $\frac{3}{4}$ in.).
Max. Seated Height	...	...	...	60.5 mm. (2 $\frac{3}{8}$ in.).
Max. Diameter	...	...	...	19.0 mm. ($\frac{3}{4}$ in.).
Mounting Position	...	...	...	Any.

BASE CONNECTIONS.

Pin 1—Anode 2.	Pin 4—Heater.
Pin 2—No Connection.	Pin 5—No Connection.
Pin 3—Heater.	Pin 6—Anode 1.
Pin 7—Cathode.	

HEATER.

Heater Voltage	...	...	...	6.3 volts.
Heater Current	...	...	...	0.6 amp.

RATINGS.

Max. Peak Inverse Voltage	...	...	...	1250 volts.
Max. Rectified Current	...	...	...	70 mA.
Max. Peak Anode Current	...	...	...	210 mA.*
Max. Reservoir Capacitor	...	...	...	16 μ F.
*Min. Supply Impedance	...	...	...	250 ohms.
Max. V_{h-k} (pk)	...	...	...	450 volts.

TYPICAL OPERATION.

CAPACITOR INPUT.

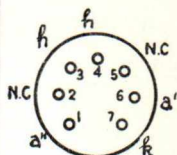
*Input Voltage	...	...	...	325 volts (r.m.s.).
Rectified Current	...	...	...	70 mA.
*Supply Impedance	...	...	...	520 ohms.
Reservoir Capacitor	...	...	...	8 μ F.
DC. Output Voltage	...	...	...	300 volts.

CHOKE INPUT.

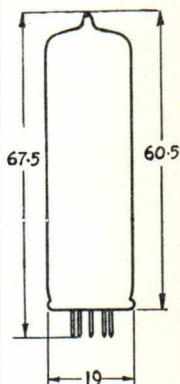
*Input Voltage	...	...	...	450 volts (r.m.s.).
Min. Choke Inductance	...	...	...	10 henries.
Rectified Current	...	...	...	70 mA.
Output Voltage	...	...	...	370 volts.

*Each Anode.

6X4



Base
Connections
Underside View
of Base



All dimensions
shown are in
millimetres (max.).



6X4

