

FERRANTI
FULL WAVE RECTIFIER

Type 7Y4 is an indirectly heated, high vacuum, full wave rectifier. The cathode is connected to a separate pin.

PHYSICAL DETAILS.

Base	...	...	...	B8G—Loccal.
Bulb	...	...	...	Clear.
Max. Overall Length	...	...	...	71 mm. ($2\frac{7}{8}$ in.).
Max. Seated Height	...	...	...	58 mm. ($2\frac{1}{4}$ in.).
Max. Diameter	...	...	...	30 mm. ($1\frac{1}{8}$ in.).
Mounting Position	...	...	...	Any.

BASE CONNECTIONS.

Pin 1—Heater.	Pin 5—No Connection.
Pin 2—No Connection.	Pin 6—Anode 1.
Pin 3—Anode 2.	Pin 7—Cathode.
Pin 4—No Connection.	Pin 8—Heater.

HEATER

*Heater Voltage	...	...	...	6.3 volts.
†Heater Current	...	...	...	0.5 amp.

RATINGS.

Max. Peak Inverse Voltage	...	...	1250 volts.
Max. Peak Anode Current	...	...	200 mA.‡
Max. R.M.S. Anode Voltage	...	...	450 volts‡
Max. Rectified Current	...	...	70 mA.
Min. Limiting Resistance	...	...	150 ohms‡
Max. V_{h-k}	...	...	450 volts.

TYPICAL OPERATING CONDITIONS.

CAPACITOR INPUT.

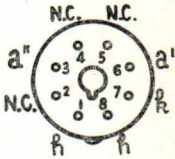
§R.M.S. Input Voltage	...	...	325 volts.
Rectified Current	...	...	70 mA.
§Min. Supply Impedance	...	...	150 ohms.
Max. Reservoir Capacitor	...	...	32 μ F.

CHOKE INPUT.

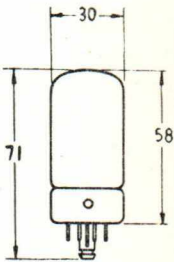
§R.M.S. Input Voltage	...	...	450 volts.
Rectified Current	...	...	70 mA.
Min. Input Choke Inductance	...	...	10 henries.

*The Nominal Heater Voltage is 7.0 volts.
†The Nominal Heater Current is 0.53 amps.
‡Each anode

7Y4



Base
Connections
Underside View
of Base



All Dimensions
shown are in
millimetres
(max.).



7Y4

