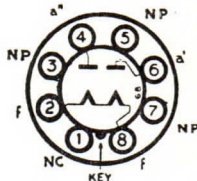


#### Current Equipment Type

### TYPE 5R4GY (OCTAL BASE) FULL-WAVE RECTIFIER



The BRIMAR type 5R4GY is a directly heated full wave rectifier for use in A.C. mains equipment where a large output is required.

Filament Voltage ... .. 5.0 volts      Filament Current ... .. 2.0 amps.

#### RATINGS

Peak Inverse Voltage ... ..	2,800 volts max.
Peak Current (each Anode) ... ..	650 mA max.
Peak Surge Current ... ..	2.5 amps. max.
Anode Supply Voltage ... ..	—see Rating Chart I
D.C. Output Current ... ..	—see Rating Chart I

#### CHARACTERISTICS AS FULL-WAVE RECTIFIER

CAPACITOR INPUT †		CHOKE INPUT	
R.M.S. Input per Anode ...	750 volts	R.M.S. Input per Anode ...	1,000 volts
Rectified Current ...	250 mA	Rectified Current ...	175 mA
D.C. Output Voltage ...	620 volts	D.C. Output Voltage ...	870 volts
Supply Impedance per Anode ...	505 Ω	Minimum Filter Input ...	5 Henries
Reservoir capacitor ...	8 μF	Choke † ...	5 Henries

† Limiting value at 170 mA. For operating currents less than 170 mA refer to curve.

‡ Delayed switching of approx. 10 seconds MUST BE EMPLOYED when the following ratings are exceeded with Capacitor Input Filter.

550 volts R.M.S. at 250 mA D.C.	700 volts R.M.S. at 150 mA D.C.
600 volts R.M.S. at 200 mA D.C.	800 volts R.M.S. at 115 mA D.C.
650 volts R.M.S. at 175 mA D.C.	900 volts R.M.S. at 75 mA D.C.

For notes on use of rating charts, refer to "Valve Ratings" section.

