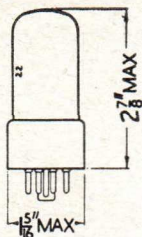
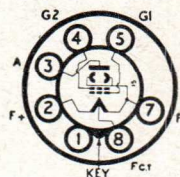


3Q5GT 4D1



Replacement Type TYPE 3Q5GT BATTERY OUTPUT BEAM TETRODE



Type 3Q5GT has a double filament, the two halves of which may be connected in parallel or series as required.

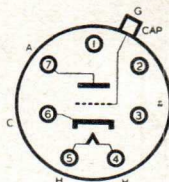
CHARACTERISTICS

	Parallel Filament	Series Filament
Filament Voltage	1.4	2.8 volts
Filament Current	0.1	0.05 amp.
Anode Voltage	90	90 volts max.
Anode Current	9.5	8.0 mA
Screen (G2) Voltage	90	90 volts max.
Screen Current	1.3	1.0 mA
Control Grid (G1) Voltage	-4.5	-4.5 volts*
Mutual Conductance	2.2	2.0 mA/V
Anode Impedance	90,000	80,000 ohms
Optimum Load	8,000	8,000 ohms
Power Output	0.27	0.23 watts
Harmonic Distortion	6.0	8.5 per cent.

* Control grid volts measured from negative filament (Pin 8 in parallel connection, Pin 7 in series connection)



Replacement Type TYPE 4D1 (ENGLISH BASE) GENERAL PURPOSE TRIODE

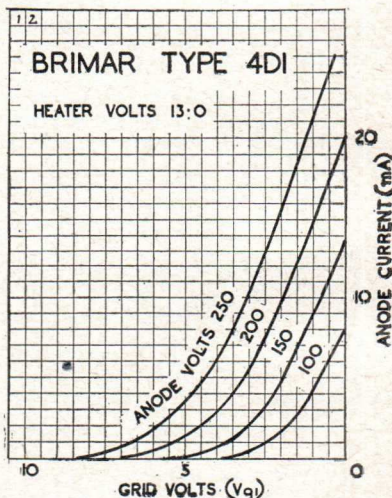


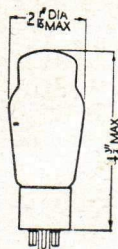
CHARACTERISTICS

Heater Voltage	13 volts
Heater Current	0.2 amp.
Anode Voltage	250 volts max.
Anode Current	10 mA
Control Grid Voltage	-3 volts
Cathode Bias Resistor	300 ohms
Mutual Conductance	4.0 mA/V
Anode Impedance	10,000 ohms
Amplification Factor	40

OPERATION AS LEAKY GRID DETECTOR

Anode Supply Voltage	250 volts
Anode Load Resistor	25,000 ohms
Grid Condenser	200 pF
Grid Leak	1-2 meg.

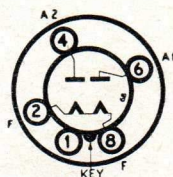




TYPE 5R4GY

(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.

RATINGS

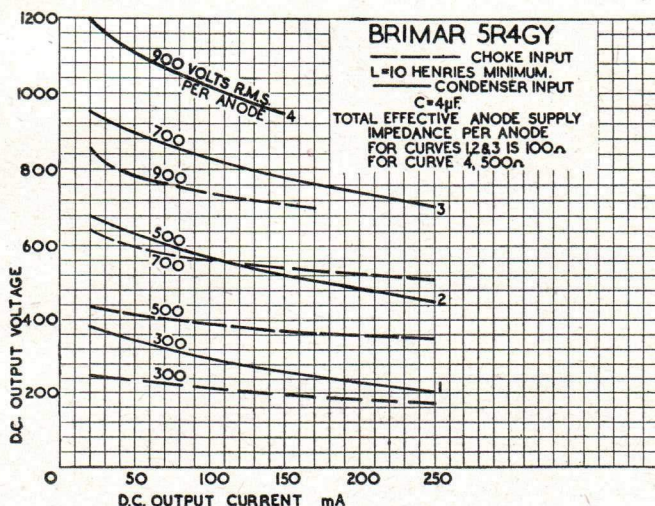
Filament Voltage	...	5.0 volts		
Filament Current	...	2.0 amp.		
Peak Current (each Anode)	...	650 mA max.		
Peak Inverse Voltage (no load)	...	2100	2400	2800 volts max.
Rectified Current (Condenser Input)	...	250	175	150 mA max.
Rectified Current (Choke Input)	...	250	250	175 mA max.

CHARACTERISTICS AS FULL WAVE RECTIFIER

		Condenser Input*		Choke Input
R.M.S. Input per Anode	...	750	1000	850
Supply Impedance per Anode	...	250	575	—
Reservoir Condenser	...	4	4	—
Input Choke Inductance	...	—	—	5
Rectified Current	...	250	150	250
				1000 volts max.
				— ohms min.
				— μ F max.
				10 Henries min.
				175 mA max.

* NOTE : —DELAYED SWITCHING of approximately 10 seconds MUST BE EMPLOYED when the following ratings are exceeded with a condenser 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 125 mA D.C.
650 volts R.M.S. at 175 mA D.C.	900 volts R.M.S. at 75 mA D.C.



CD36