

5L

FULL-WAVE VACUUM RECTIFIER

5V4GA

Glass octal types used in full-wave power supplies having high dc requirements. Outlines section, 19B; requires octal socket. The heater is designed to operate from the ac line through a step-down transformer. The voltage at the heater terminals should be 5 volts under

operating conditions at an average line voltage of 117 volts. It is especially important that these tubes, like other power-handling tubes, be adequately ventilated. Heater: volts (ac/dc) 5; amperes, 2.

Full-Wave Rectifier

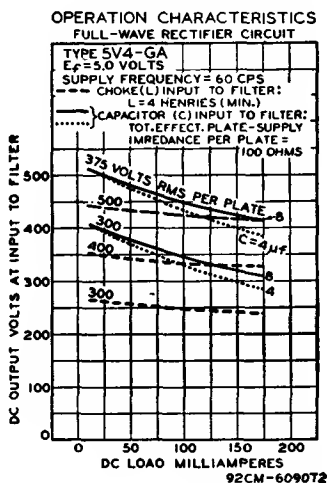
MAXIMUM RATINGS (Design-Center Values)

Peak Inverse Plate Voltage	1400	volts
AC Plate-Supply Voltage (Per Plate, rms):		
With capacitor-input filter	375	volts
With choke-input filter	500	volts
Peak Plate Current (Per Plate)	525	mA
Average Output Current	175	mA

TYPICAL OPERATION

Filter Input	Capacitor	Choke	
AC Plate-to-Plate Supply Voltage (rms)	750	1000	volts
Filter-Input Capacitor*	10	—	μF
Total Effective Plate-Supply Impedance per Plate ..	100	—	ohms
Filter-Input Choke	—	4	henries
DC Output Voltage at Input to Filter (Approx.):			
At output current of 175 mA	410	410	volts

* Higher values of capacitance than indicated may be used, but the effective plate-supply impedance may have to be increased to prevent exceeding the maximum rating for peak plate current.



Refer to type 6V6.

5V6GT

Refer to chart at end of section.

5W4
5W4GT

Refer to chart at end of section.

5X4G