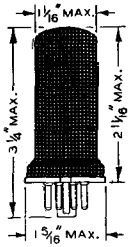
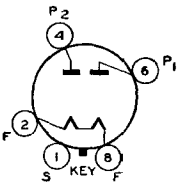


RCA-5W4

FULL-WAVE RECTIFIER



The 5W4 is a full-wave high-vacuum rectifying tube of the All-Metal type for use in a-c receivers of low current requirements.

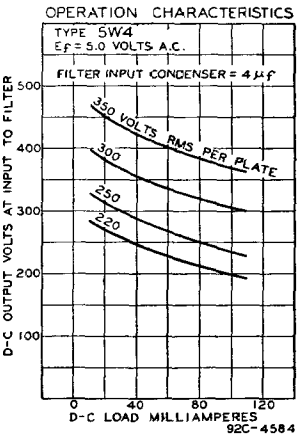
CHARACTERISTICS

Filament Voltage (A. C.)	5.0	Volts
Filament Current	1.5	Amperes
A-C Plate Voltage Per Plate (RMS)	350 *max.*	Volts
Peak Inverse Voltage	1000 *max.*	Volts
D-C Output Current	110 *max.*	Milliamperes
Base	Small Wafer Octal 5-Pin	

INSTALLATION

The base pins of the 5W4 fit the standard octal socket which should be installed to hold the tube in a vertical position with the base down. Provision should be made for adequate ventilation to prevent overheating.

The coated filament of the 5W4 is designed to operate from the a-c line through a step-down transformer. The voltage applied to the filament terminals should be the rated value of 5.0 volts under operating conditions and average line voltage.

APPLICATION

As a full-wave rectifier, the 5W4 may be operated as shown under CHARACTERISTICS. The recommended maximum values of plate voltage and d-c output current must not be exceeded. For a given value of a-c input voltage, the choke-input type filter will give somewhat less d-c output voltage than that obtained with a condenser-input filter, but has the advantage of reducing the peak plate current and improving the voltage regulation. Filter circuits are discussed on page 37.