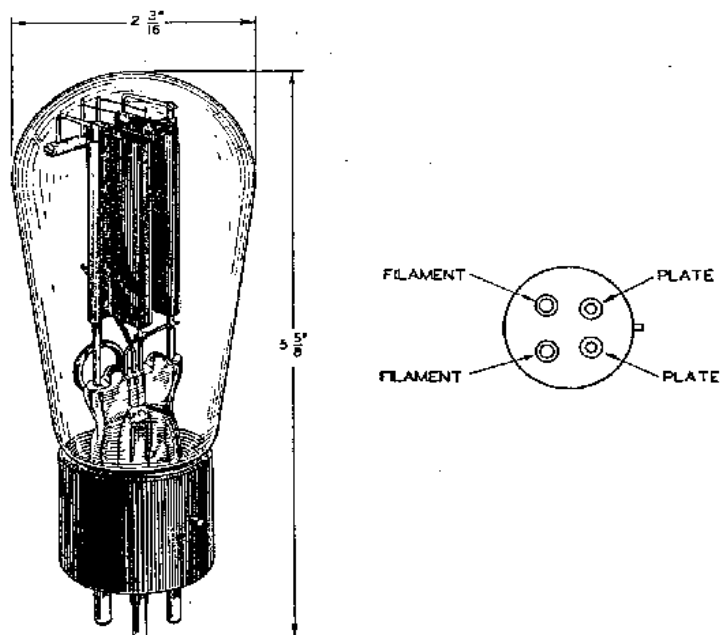


274A Vacuum Tube



Classification

The No. 274A Vacuum Tube is a full-wave, thermionic, high-vacuum rectifier for use in circuits designed to supply direct current from an alternating current supply.

Base and Socket

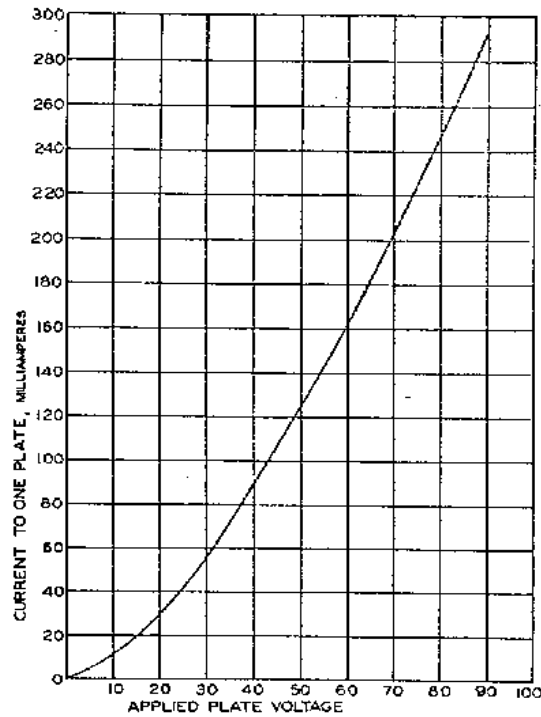
The No. 274A Vacuum Tube employs a four-prong base suitable for use in a Western Electric No. 130B Socket or similar type socket. The arrangement of electrode connections to the base terminals is shown above.

Rating and Characteristic Data

Filament Voltage.....	5.0 Volts	
Filament Current.....	2.0 Amperes	
	Choke Input Filter	Condenser Input Filter
Maximum A.C. Voltage per Plate.....	660 Volts R.M.S.	450 Volts R.M.S.
Maximum Total Rectified Current	150 Milliamperes	130 Milliamperes

Average Static Characteristics

The accompanying curves gives the average static characteristics of the No. 274A Vacuum Tube. The current for a single plate is given as a function of the voltage applied between the plate and the center taps of the filament transformer.



General Features

The No. 274A high vacuum rectifier tube is particularly adapted for use in applications where it is impracticable to place any limitations on the ambient temperatures and where it is necessary to apply the plate voltage simultaneously with the filament voltage.

Its large plate area results in a relatively low potential drop between the plate and filament. This makes possible better voltage regulation than is usually obtained with high vacuum thermionic rectifiers.

The large filament area gives ample electron emission to insure uniform electrical characteristics over a long life and satisfactory operation even under very severe service conditions.