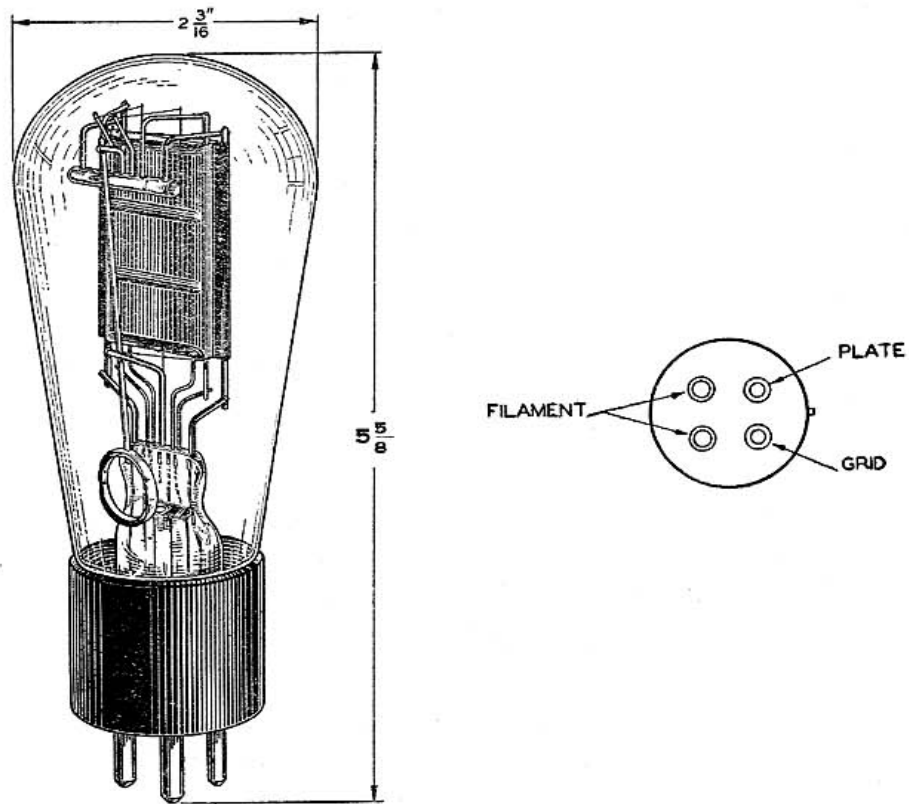


# 275A Vacuum Tube



## Classification

The No. 275A Vacuum Tube is a three-element filament type tube for use as a low-voltage power tube for output stages in audio-frequency amplifiers.

## Base and Socket

The No. 275A Vacuum Tube employs a standard four-prong, thrust-type base suitable for use in a Western Electric No. 130B (rigid) or No. 131A (cushion) Socket or similar type socket. The arrangement of electrode connections to the base terminals is shown above.

## Rating and Characteristic Data

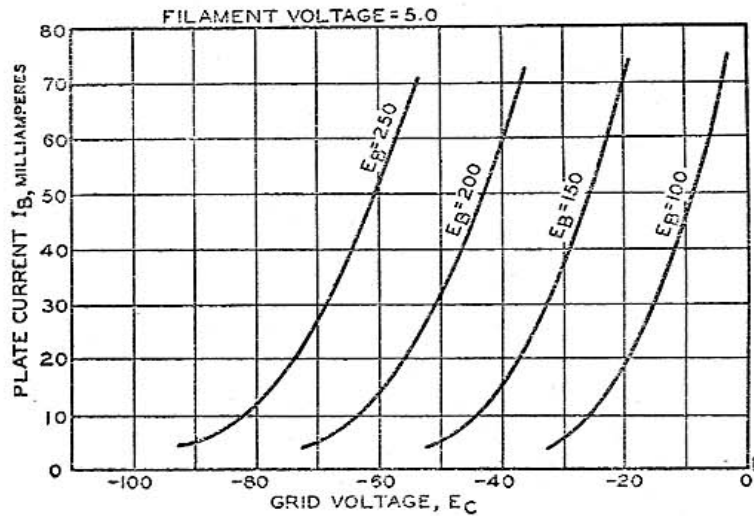
Filament Voltage.....		5 Volts, AC or DC
Average Filament Current.....		1.2 Amperes
Plate Voltage.....	200	250 Volts Maximum
Grid Voltage.....	-45	-60 Volts
Average Plate Current.....	45	52 Milliamperes
Average Plate Resistance.....	1,000	1,000 Ohms
Average Amplification Factor.....	2.9	2.85

## Approximate Direct Interelectrode Capacities

Plate to Grid.....	12 MMF
Plate to Filament.....	3.2 MMF
Grid to Filament.....	6.8 MMF

### Average Static Characteristics

The accompanying curves give the average static characteristics of the No. 275A Vacuum Tube.



### General Features

The electrical characteristics of the No. 275A Vacuum Tube make it particularly adaptable in applications requiring an output power tube operated at relatively low plate voltage.

It has an unusually large plate area for its energy dissipation. The total electron emission of the filament is large compared to the maximum space current drain. Both factors insure the delivery of full output power throughout a long life.

The rugged structure insures against breakage in shipment and in service and makes possible the maintenance of uniform electrical characteristics.