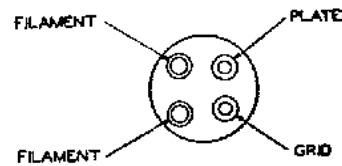
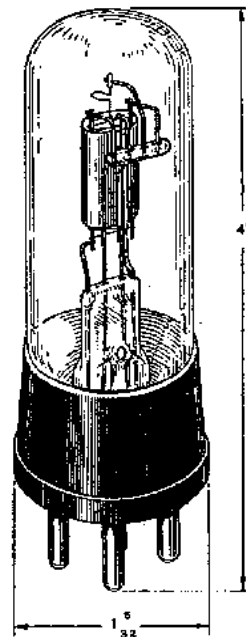


231D Vacuum Tube



Classification

The No. 231D Vacuum Tube is a three-element filament type tube for use as an audio-frequency amplifier in the first and intermediate stages requiring a low filament power consumption.

Base and Socket

The No. 231D 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

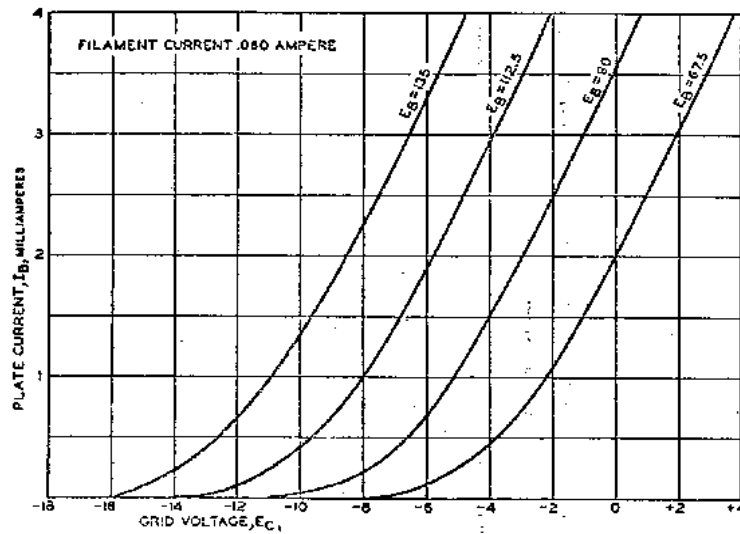
Filament Voltage.....		2.9 to 3.4 Volts, DC
Average Filament Current.....		0.060 Ampere
Plate Voltage.....	90	135 Volts Maximum
Grid Voltage.....	-3.0	-7.5 Volts
Average Plate Current.....	2	2.5 Milliamperes
Average Plate Resistance.....	15,600	14,600 Ohms
Average Amplification Factor.....	7.8	7.8

Approximate Direct Interelectrode Capacities

Plate to Grid.....	3.2 MMF
Plate to Filament.....	2.5 MMF
Grid to Filament.....	2.4 MMF

Average Static Characteristics

The accompanying curves give the average static characteristics of the No. 231D Vacuum Tube.



General Features

The very low power consumed by the filament of the No. 231D Vacuum Tube makes it particularly adaptable for use in portable equipment or wherever a low current drain is necessary.

By careful control of the manufacturing processes, uniform characteristics are obtained over an unusually long life for a filament of such small size.