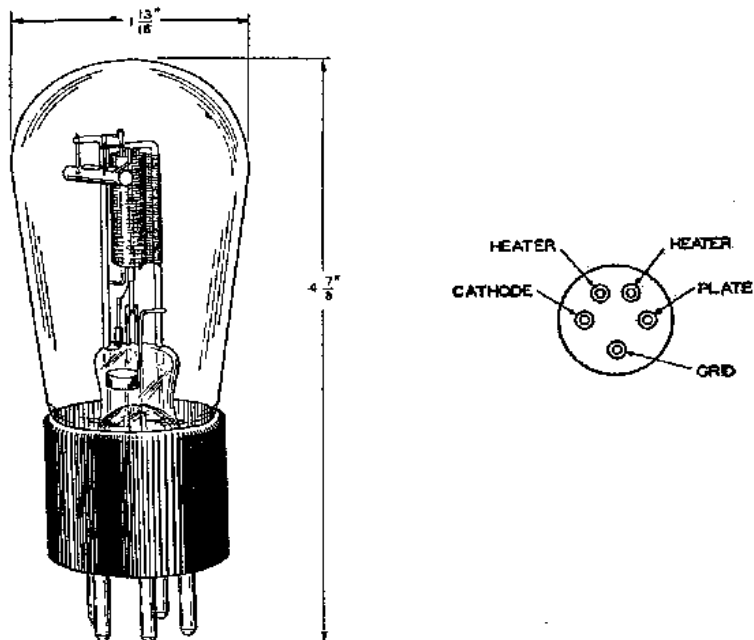


244A Vacuum Tube



Classification

The No. 244A Vacuum Tube is a general purpose tube having an indirectly heated cathode which permits operation of the heater element directly on alternating current. The tube is for use as an audio-frequency amplifier in intermediate stages but may also be used satisfactorily as a power amplifier tube for applications requiring small values of output power.

Base and Socket

The No. 244A Vacuum Tube employs a standard five-prong base suitable for use in a Western Electric No. 134A (cushion) or No. 137A (rigid) socket or similar type socket. The arrangement of electrode connections to the base terminals is shown above.

Rating and Characteristic Data

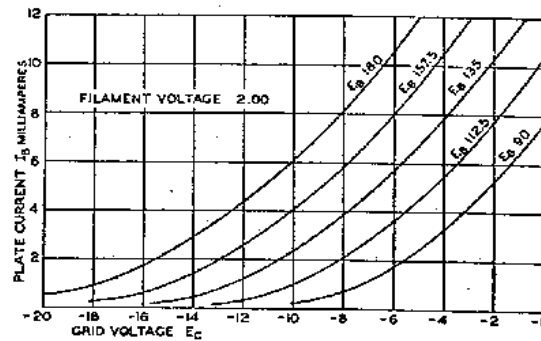
Heater Voltage.....	2 Volts, AC or DC
Average Heater Current.....	1.6 Amperes
Plate Voltage.....	135 180 Volts Maximum
Grid Voltage.....	-6 -10 Volts
Average Plate Current.....	5.5 6.0 Milliamperes
Average Plate Resistance.....	10,000 10,000 Ohms
Average Amplification Factor.....	10.0 9.7

Approximate Direct Interelectrode Capacities

Plate to Grid.....	3.3 MMF
Plate to Cathode.....	3.7 MMF
Grid to Cathode.....	3.8 MMF

Average Static Characteristics

The accompanying curves give the average static characteristics of the No. 244A Vacuum Tube.



General Features

The No. 244A Vacuum Tube is rugged in construction which insures it against breakage in shipment and in service.

The cathode is designed to have a very large electron emission compared with the space current drain.

These features together with careful control of the manufacturing processes make possible the maintenance of uniform electrical characteristics over a very long life.