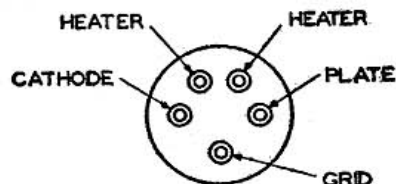
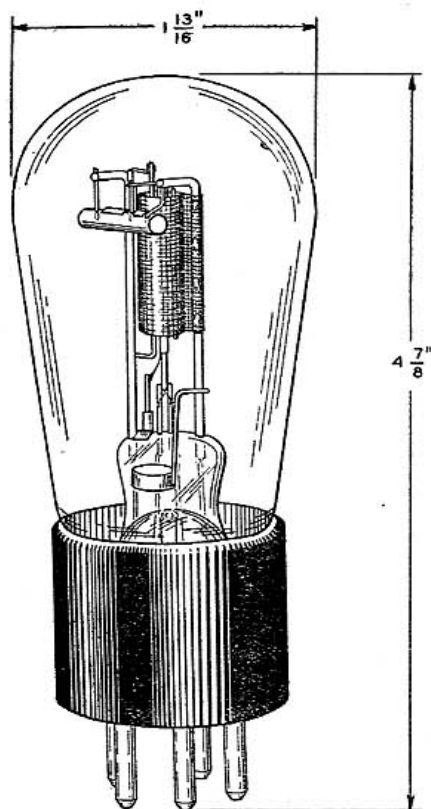


# 244A Vacuum Tube



## 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

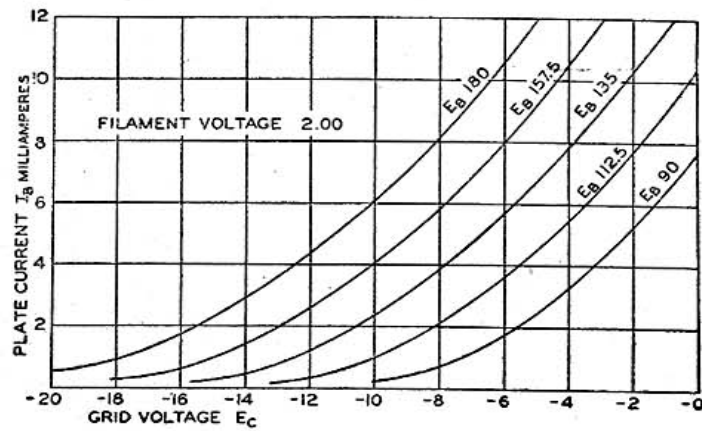
Heater Voltage.....		2 Volts, AC or DC
Average Heater Current.....		1.6 Amperes
Plate Voltage.....	135	180 Volts Maximum
Grid Voltage.....	-6	-10 Volts
Average Plate Current.....	5.5	6.0 Milliampere
Average Plate Resistance.....	10,000	10,000 Ohms
Average Amplification Factor.....	10.0	9.7

### 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.