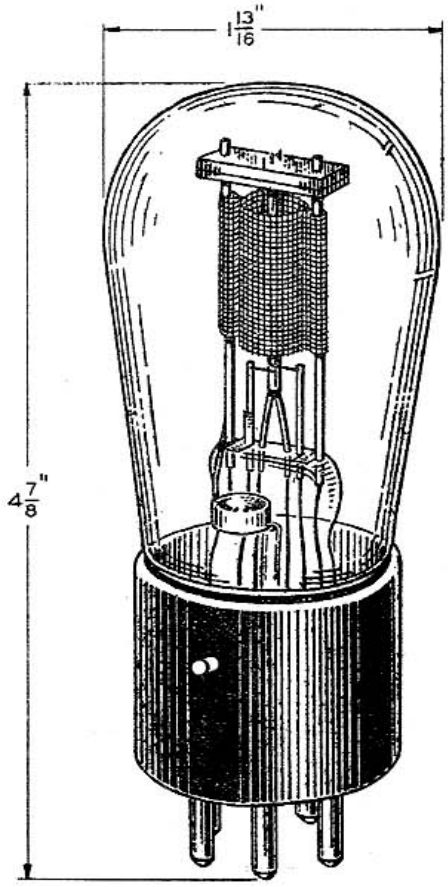
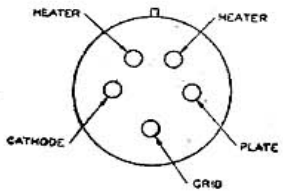
272A Vacuum Tube





Classification

The No. 272A is a general purpose Vacuum Tube having an indirectly heated cathode which permits operation of the heater element directly on alternating current. It is suitable for use as a detector or power amplifier tube in applications requiring small values of output power.

Base and Socket

The No. 272A Vacuum Tube employs a standard five-prong base suitable for use in a Western Electric No. 134A (cushion), No. 137A (rigid), or similar type socket. The arrangement of electrode connections to the base terminals is shown above.

Rating and Characteristic Data

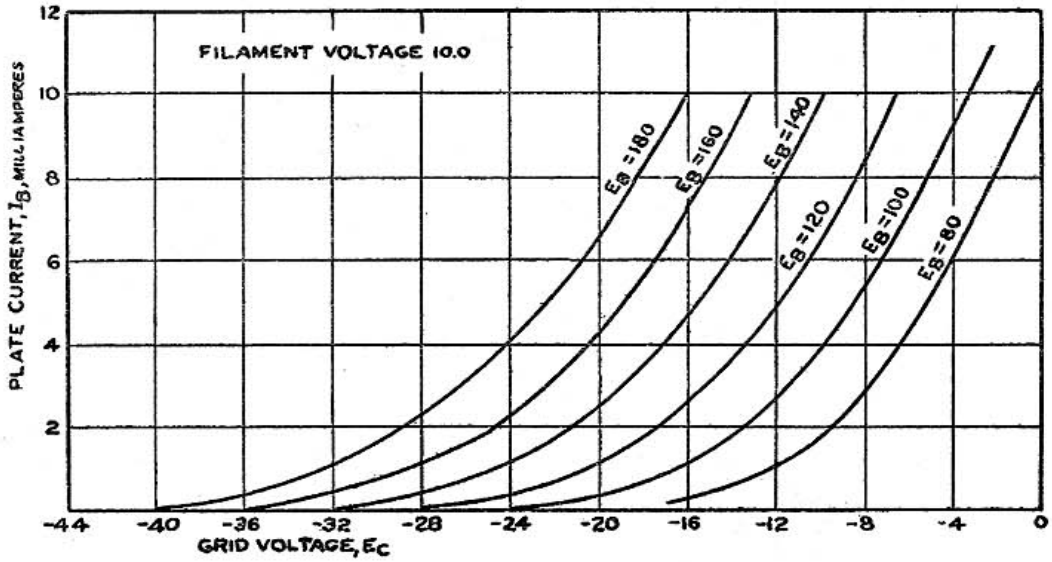
Heater Voltage	10 Volts, AC or DC	
Average Heater Current	0.32 Ampere	
Plate Voltage	140	180 Volts Max.
Grid Voltage	—15	—21
Average Plate Current	5.4	5.9 Milliamperes
Average Plate Resistance	7,200	7,200 Ohms
Average Amplification Factor	5.6	5.5

Approximate Direct Interelectrode Capacities

Plate to Grid	2.8 MMF
Plate to Cathode	2.6 MMF
Grid to Cathode	3.4 MMF

Average Static Characteristics

The accompanying curves give the average static characteristics of the No. 272A Vacuum Tube.



General Features

The No. 272A Vacuum Tube is adaptable to applications in which it is desirable to have a tube of the heater cathode type with low heater current consumption.

It is suitable for use in the final stages of amplifiers requiring somewhat greater output power than that given by the No. 262A Vacuum Tube.