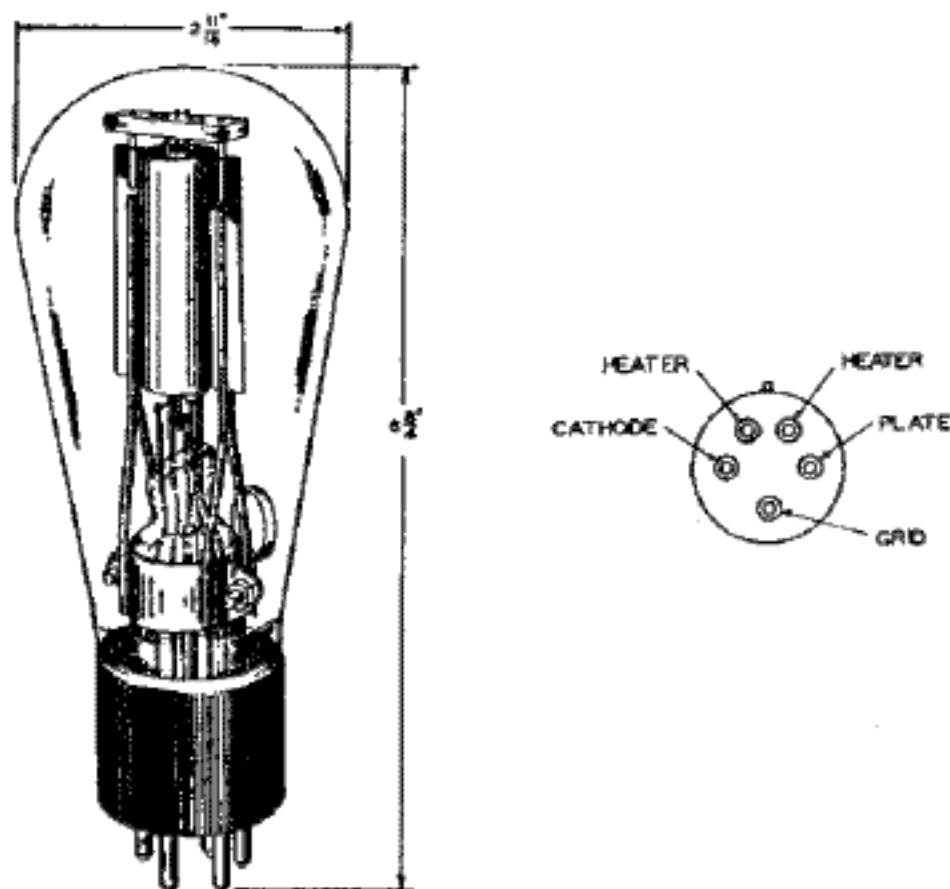


271A Vacuum Tube



Classification

The No. 271A Vacuum Tube is a general purpose three-element tube having an indirectly heated cathode which permits operation directly on alternating current. The tube is for use as an audio-frequency amplifier in output stages. It may also be used as a radio-frequency amplifier and, under restricted conditions, as an oscillator or modulator.

Base and Socket

The No. 271A 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.....	5 Volts, AC or DC
Average Heater Current.....	2 Amperes
Plate Voltage.....	350 400 Volts Maximum
Grid Voltage.....	-25 -30 Volts
Average Plate Current.....	36 39 Milliamperes
Average Plate Resistance.....	2900 2850 Ohms
Average Amplification Factor.....	8.5 8.5

Approximate Direct Interelectrode Capacities

Plate to Grid.....	5.3 MMF
Plate to Cathode.....	3.8 MMF
Grid to Cathode.....	6.5 MMF

