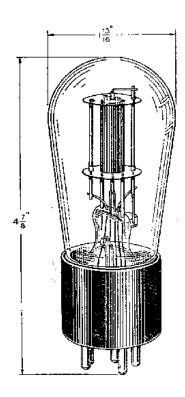
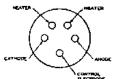
256A Vacuum Tube





Classification

The No. 256A Vacuum Tube is a three-element tube which employs an indirectly heated cathode and contains argon gas at a low pressure. It is intended for use in special circuits as a relay or trigger-action device.

Base and Socket

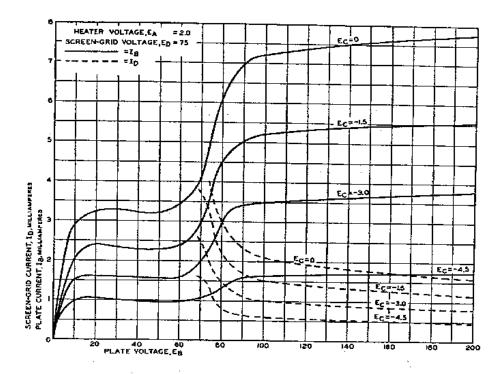
The No. 256A Vacuum Tube employs a standard five-prong, thrust-type base suitable for use in a Western Electric 137A or similar type socket. The arrangement of electrode connections to the base terminals is shown above.

Rating and Characteristic Data

	2.3 Volts AC
Nominal Heater Current	1.7 Amperes
Anode-Cathode Potential Drop when Conducting	10-20 Volts
	Milliamperes
Maximum Instantaneous Potential between Anode and Control-Elec-	•
trode	325 Volts
Maximum Potential between Cathode and Heater	12 Volts

Average Static Characteristics

The accompanying curves give the average static characteristics of the No. 259A Vacuum Tube.



General Features

The No. 259A Vacuum Tube employs an extra grid or a screen which provides an electrostatic shield between the plate and control grid. Such internal shielding eliminates the necessity of neutralization to prevent unwarranted oscillation or feed-back if the rest of the circuit elements are properly shielded.

The structure has been so designed as to give an unusually high mutual conductance for a tube of its rating, thereby making possible a comparatively high amplification.

The cathode is designed to provide a very large electron emission compared with the space current drain, thus assuring the maintenance of uniform electrical characteristics over a long life.