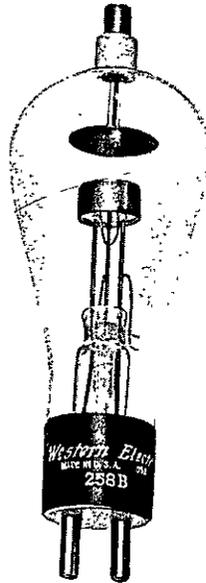


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ELECTRON TUBE DATA SHEET  
WESTERN ELECTRIC 258B ELECTRON TUBE



ONLY

DESCRIPTION

The 258B is a mercury-vapor diode for use in high voltage rectifier circuits. The latest gettering techniques and materials are employed in this tube to insure greater service life.

MAXIMUM RATINGS

Peak Anode Voltage . . . . .	7500 volts
Average Cathode Current . . . . .	0.64 ampere

FILE: RECTIFIER SECTION

MAXIMUM RATINGS, ABSOLUTE VALUES

Peak Inverse Anode Voltage . . . . .	7500 volts
Cathode Current	
Peak . . . . .	2.5 amperes
Average . . . . .	0.64 amperes
Surge (maximum duration 0.1 second) . . . . .	25 amperes
Averaging Time . . . . .	5 seconds
Condensed Mercury Temperature Limits . . . . .	+20 to +70 centigrade

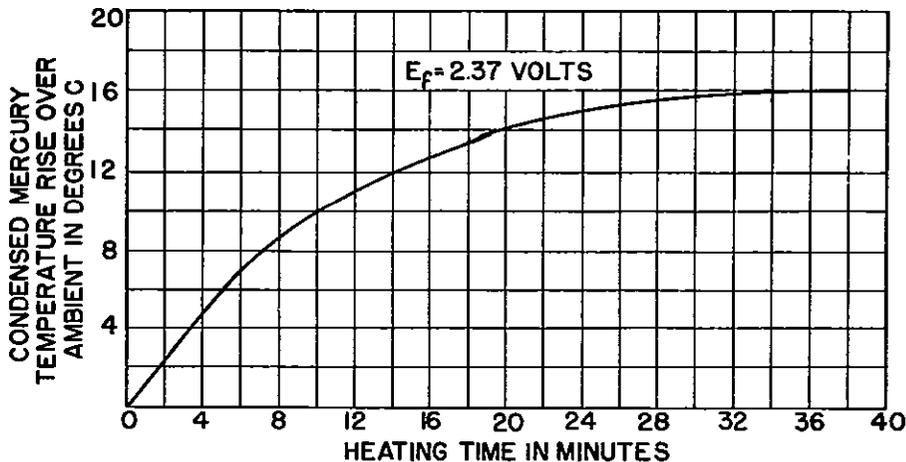
ELECTRICAL DATA

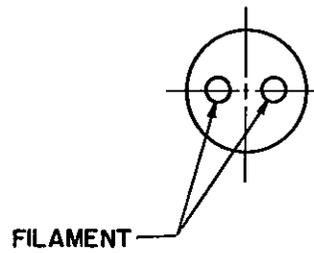
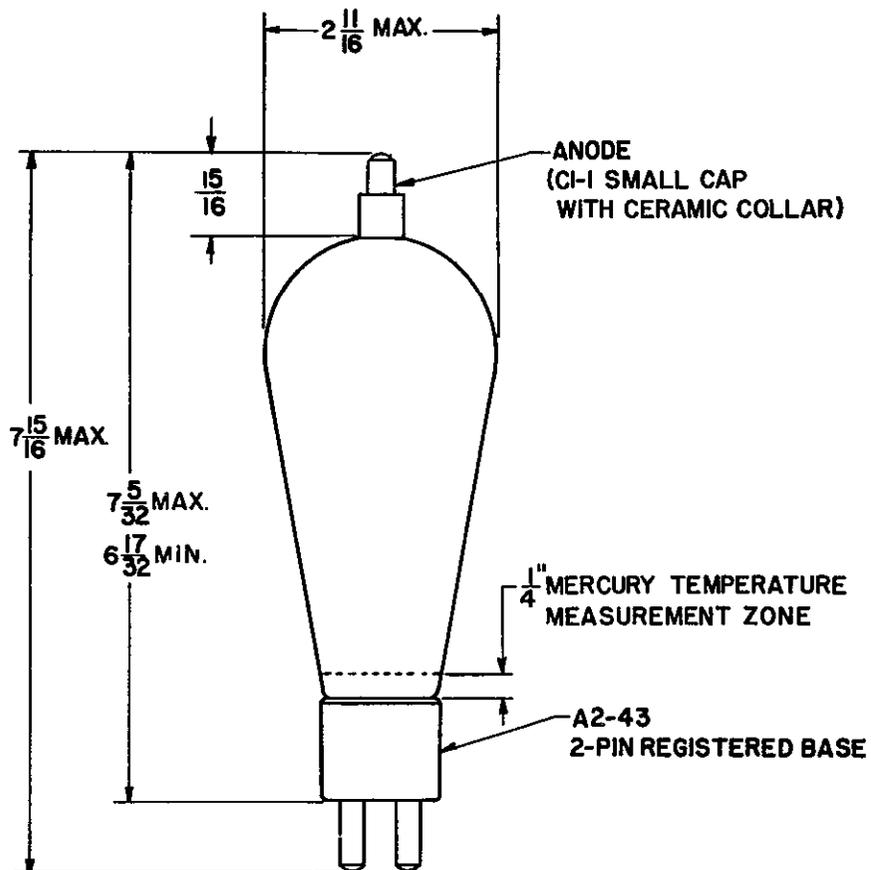
	<u>Min.</u>	<u>Bogey</u>	<u>Max.</u>	
Filament Voltage . . . . .	2.37	2.5	2.62	volts
Filament Current at 2.5 volts . . . . .	----	7.5	8.25	amperes
Filament Heating Time Required <sup>1</sup> . . . . .	15	---	---	seconds
Anode Voltage Drop . . . . .	----	15	----	volts
Critical Anode Voltage . . . . .	----	---	50	volts

MECHANICAL DATA

Type of Cooling . . . . .	Convection
Equilibrium Condensed Mercury Temperature Rise Above Ambient, Approximate	
At Full Load . . . . .	20 centigrade
At No Load . . . . .	16 centigrade
Mounting Position <sup>2</sup> . . . . .	Vertical, base end down
Net Weight, Approximate . . . . .	3 ounces

1. Mercury may become deposited on the tube elements in shipment, storage or handling. When using the tube for the first time, or after handling, a filament heating period of 15 to 30 minutes should be allowed to properly distribute the mercury.
2. Sufficient clearance should be allowed around the tube to insure free air circulation.





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