

**RECTIFIER
HALF-WAVE, MERCURY-VAPOR**

Western Electric

DESCRIPTION

The 266C is a half-wave, mercury-vapor rectifier tube for use in high-voltage rectifier circuits.

MAXIMUM RATINGS

Peak Inverse Anode Voltage

Average Cathode Current (Quadrature Operation)

22000 volts
10 amperes

MAXIMUM RATINGS, ABSOLUTE VALUES

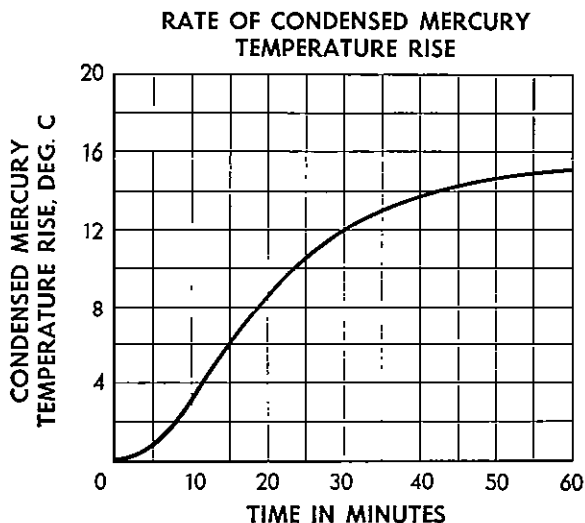
Peak Inverse Anode Voltage for		
Condensed Mercury Temperature 20 to 40 C		22000 volts
Condensed Mercury Temperature 20 to 50 C		12500 volts
Cathode Current		
Peak		
In-phase Operation		20 amperes
Quadrature Operation		40 amperes
Average		
In-phase Operation		5 amperes
Quadrature Operation		10 amperes
Surge (maximum duration 0.2 second)		200 amperes
Averaging Time		60 seconds
Frequency		150 cycles sec.

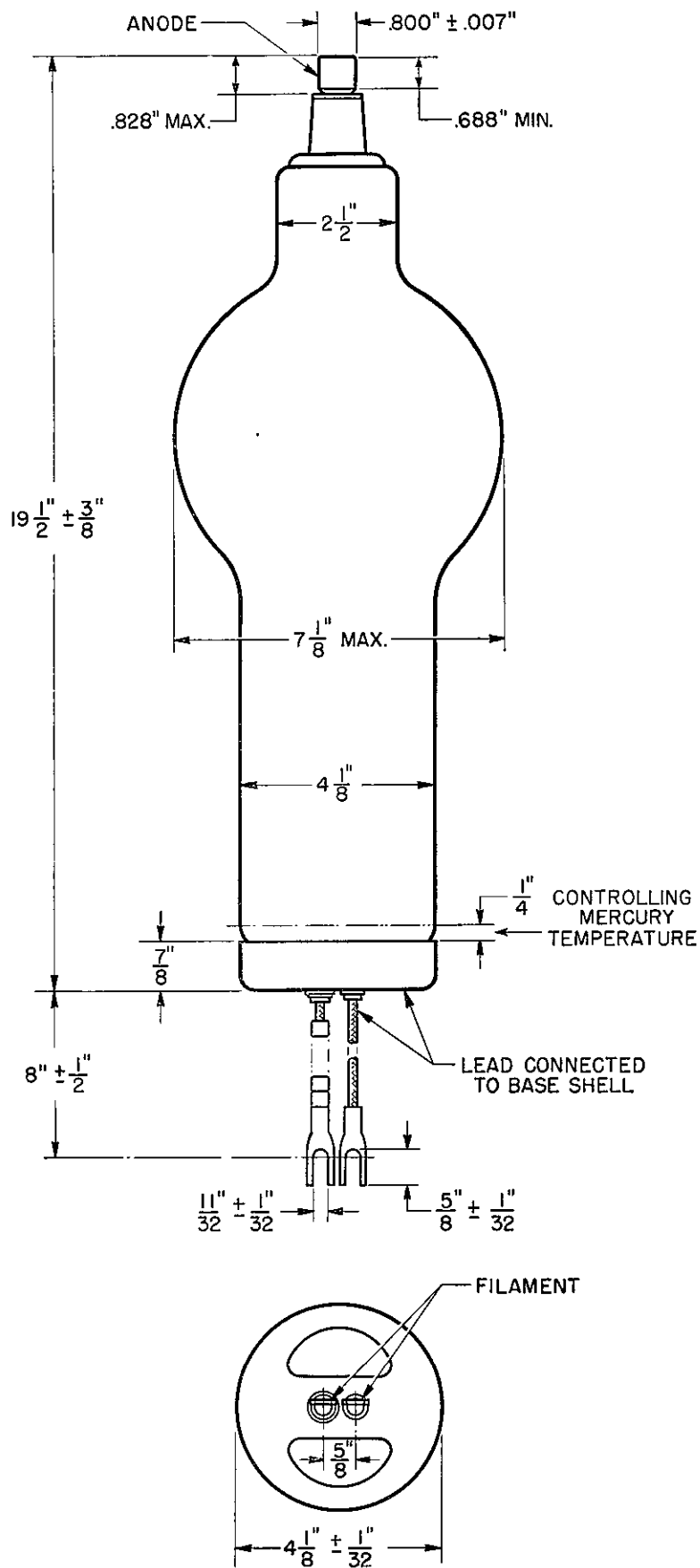
ELECTRICAL DATA

	Min.	Bogey	Max.
Filament Voltage	4.75	5.0	5.25 volts
Filament Current at 5.0 Volts	.....	42	46 amperes
Cathode Heating Time, Required	300	.....	..... seconds
Anode Voltage Drop	.....	15	..... volts
Critical Anode Voltage	.....	.....	100 volts

MECHANICAL DATA

Net Weight, Approximate		4¼ pounds
Equilibrium Condensed Mercury Temperature Rise		
At Full Load, Approximate		18 centigrade
At No Load, Approximate		15 centigrade
Cooling	The condensed mercury temperature should be held within the range specified for the maximum peak inverse anode voltage appropriate to the application. If forced-air cooling is necessary, a flow of 6 cubic feet per minute from a 1-inch nozzle directed at the zone of mercury temperature control just above the top of the base ordinarily will be adequate.	
Mounting	This tube should be mounted in a vertical position only, with the filament end down. The connection to the anode terminal should be flexible. Sufficient clearance should be maintained around the tube to insure free air circulation.	





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