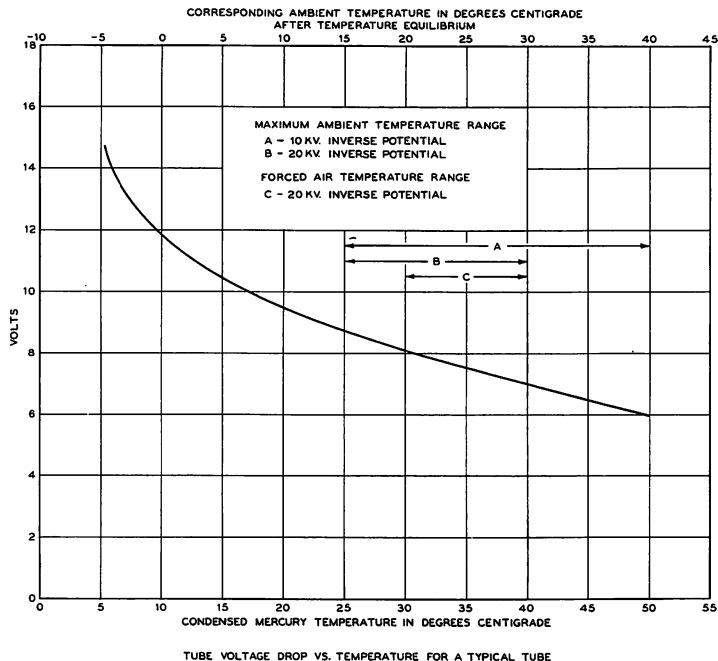
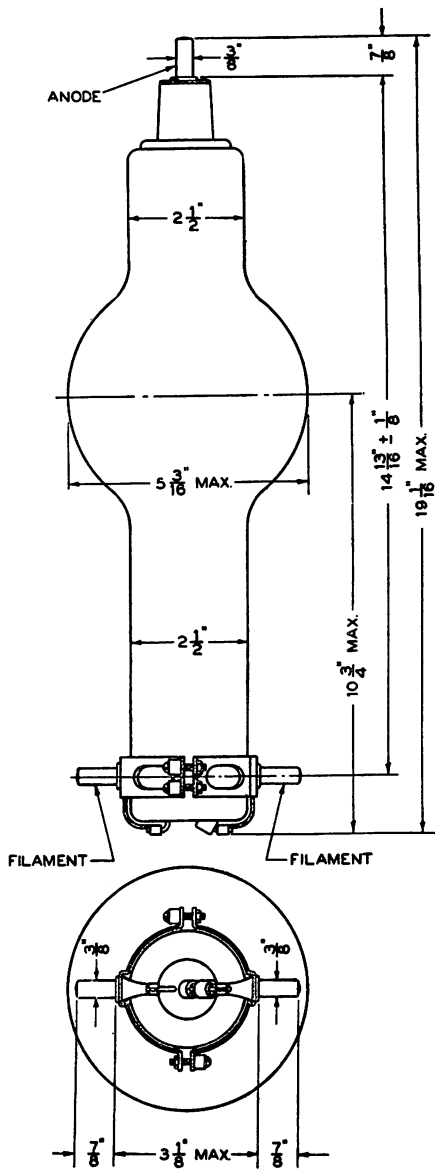


### 255B Vacuum Tube



**Maximum Peak Inverse Anode Voltage**

at 15 to 30° C. ambient temperature	20 kilovolts
at 15 to 40° C. ambient temperature	10 kilovolts
at 30 to 40° C. forced air temperature	20 kilovolts

This is the temperature of the forced air applied to the bulb where the free mercury condenses. Approximately 6 cu. ft. per minute from a 1 inch nozzle and directed just above the support collar is recommended.

**Mounting**—Special mounting is required. Mount in vertical position only—filament end down. A clearance of at least 4 inches should be allowed between the bulb and any adjacent object. Connection to the anode terminal should be semi-flexible.

**Ratings**

Filament Voltage	5.0 volts
Nominal Current	19.0 amperes
Required Heating Time	120 seconds
Accelerated Filament Heating Recommended open circuit over-voltage	50%
Corresponding period of over-voltage application	25 ± 5 seconds
Tube Voltage Drop—Approximate	10 volts
Maximum Instantaneous Anode Current In-Phase Operation	8 amperes
Quadrature Operation	16 amperes
Maximum Average Anode Current In-Phase Operation	2 amperes
Quadrature Operation	4 amperes
Max. Time of Averaging Anode Current	30 seconds

**Circuit Outputs:**

Circuit Designation	Number of Tubes	Output Voltage		Load Current—DC Amps.	
		At 10 kv. Inverse Voltage	At 20 kv. Inverse Voltage	In-Phase Operation	Quadrature Operation
A	1	3000	6000	2	4
B	2	3000	6000	4	8
C	4	3000	6000	8	16
D	4	6000	12000	4	8
E	3	4500	9000	6	12
F	6	9000	18000	6	—
G	6	4000	8000	10	20
H	6	9000	18000	—	12
I	6	9000	18000	—	12