

PLATE-PULSED OSCILLATOR - CLASS C (Cont'd)

Typical Operation

Grounded-Grid Service at 1100 Megacycles, $3/4 \lambda$ Output Circuit

DC Plate Voltage, during pulse	6.0	Kilovolts
DC Plate Current, during pulse	6.25	Amperes
DC Grid Current, during pulse	2.5	Amperes
Power Output, during pulse (useful)	15	Kilowatts
Pulse Width	1	Microsecond
Duty Factor	.001	

† Complete external shielding between cathode and plate.

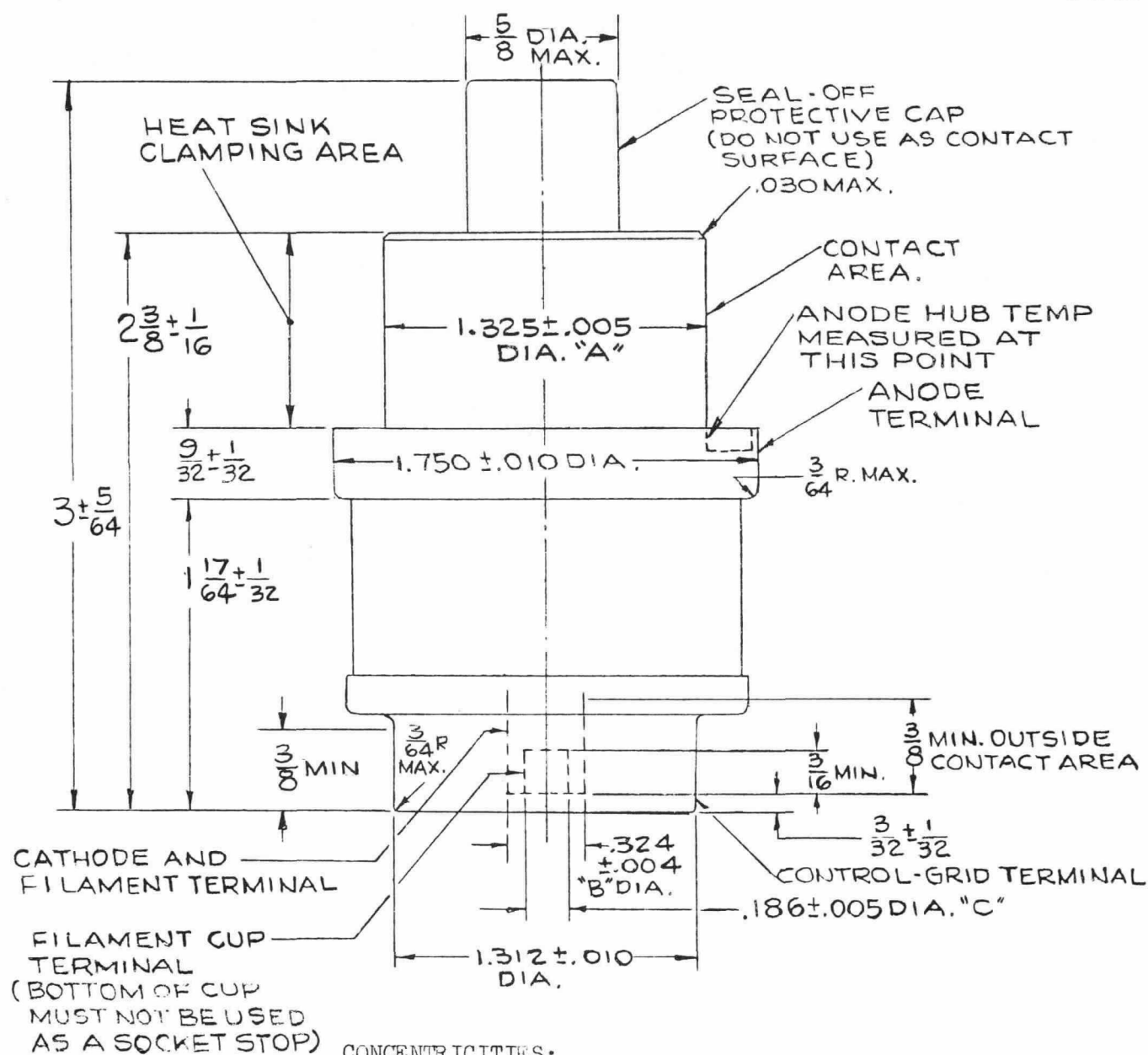
‡ Forced-air cooling should be applied during the application of any voltages.

§ A suitable heat-sink clamping arrangement must be provided to limit the anode hub temperature to the value specified; the temperature is measured at the point indicated on the outline drawing.

¶ For applications that require longer pulses or higher duty refer to the tube manufacturer for recommendations.

◇ Pulse duration is measured between points at 70 percent of the peak value. The peak value is defined as the maximum value of a smooth curve through the average of the fluctuations over the top portion of the pulse.

ϕ Maximum ratio of on-time to elapsed time during any 1-millisecond period.



CONCENTRICITIES:

The following total indicator readings are measured with respect to a centerline determined by the centers of the anode terminal and control grid terminal.

Diameter A - 0.030 inches
 Diameter B - 0.036 inches
 Diameter C - 0.042 inches

Total indicator reading of filament cup terminal diameter (C) measured with respect to center of cathode and filament terminal diameter (B) - 0.016 inches.

