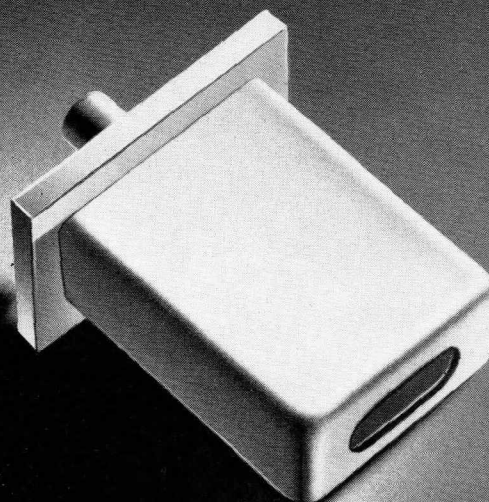




A-TR TUBE

INTEGRAL CAVITY BROADBAND

9000 TO 9600 MEGACYCLES
250 KILOWATTS

The GL-1B35-A is a gas switching tube for use in pulsed microwave circuits. In such circuits it acts effectively to decouple the transmitter from

a common transmitting and receiving antenna during a non-transmitting period. The operational band is from 9000 to 9600 megacycles.

TECHNICAL INFORMATION

GENERAL

Electrical

Center Frequency	9300	Megacycles
Operational Band at Voltage Standing Wave Ratio 5 Minimum	9000 to 9600	Megacycles
Loaded Q, maximum	6.5	
Transmitter Peak Power, minimum	5	Kilowatts
Center Frequency Normalized Conductance, maximum	0.1	
Center Frequency Normalized Susceptance	± 0.06	
Arc Power Loss, peak power = 4 kw, pulse repetition rate = 1000 pps, pulse width = 0.5 usec, frequency = 9025 mc, maximum	0.8	Decibels
High Level Voltage Standing Wave Ratio, maximum	1.10	
Recovery Time, peak power = 50 kw, pulse repetition rate = 1000 pps, pulse width 1.0 usec, frequency = 9300 mc	8	Microseconds
Initial Firing Time at 4 kw Peak Line Power, maximum	10	Seconds


Electronic
TUBE

GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

Mechanical

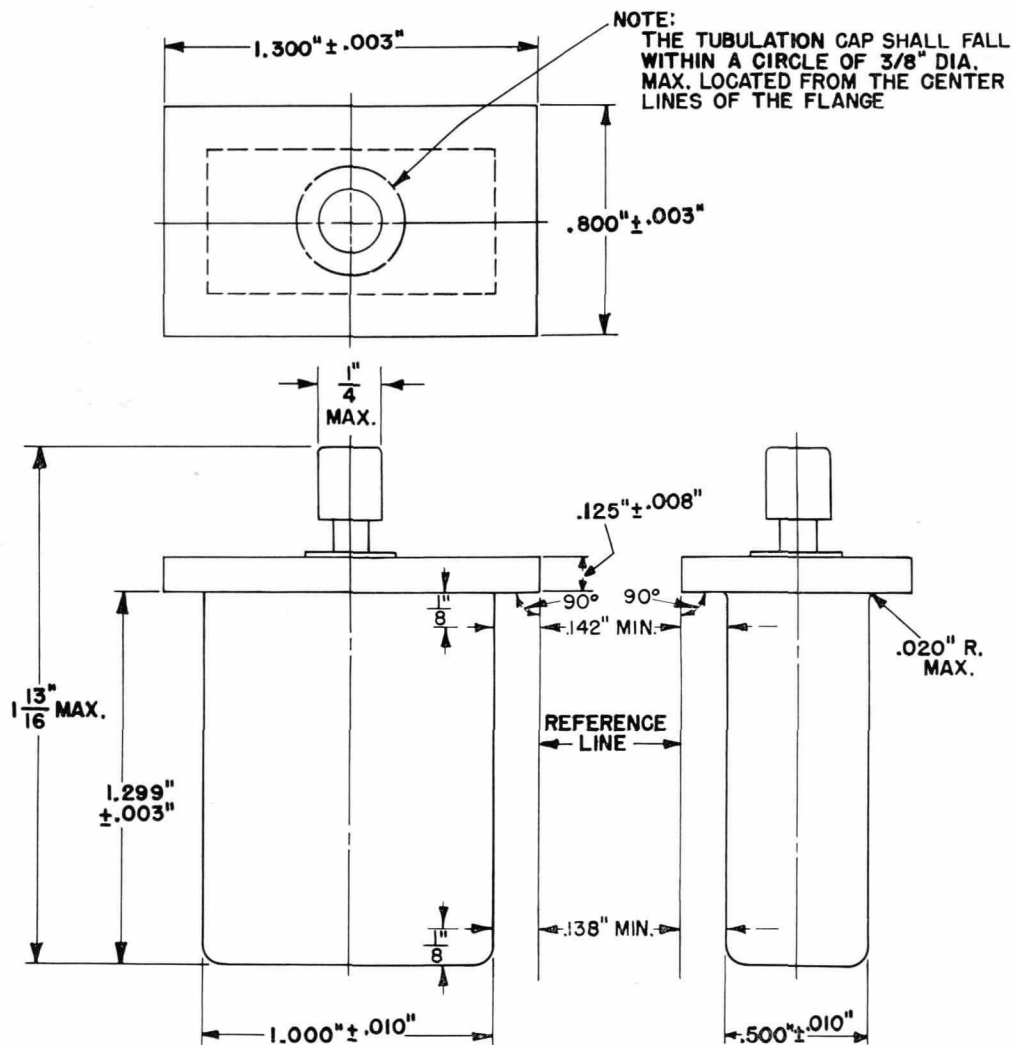
Mounting Position—Any

Ambient Temperature Range, non-operating..... -40 to +100 C

Net Weight, approximate..... $\frac{1}{8}$ Pound

MAXIMUM RATINGS

Transmitter Peak Power at 0.001 Duty Cycle..... 250 Kilowatts

OUTLINE
GL-1B35-A

CENTER LINES OF WINDOW SHALL COINCIDE WITH CORRESPONDING CENTER LINES OF THE BOX WITHIN .015". THIS MEASUREMENT SHALL BE MADE IN THE PLANE OF THE WINDOW.

N-24501AZ

6-10-52

TUBE DEPARTMENT

GENERAL  ELECTRIC

Schenectady 5, N. Y.