



ANTI-TR TUBE

DESCRIPTION

The GL-1B56 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 2775 to 2925 megacycles.

TECHNICAL INFORMATION

These data are for reference only. For design information refer to specifications.

GENERAL CHARACTERISTICS

Electrical	2850 megacycles
Center frequency	2850 megacycles
Operational band at voltage standing wave ratio 9 minimum	2775 to 2925 megacycles
Loaded Q, maximum	5.5
Transmitter peak power, minimum	20 kilowatts
Center frequency normalized conductance, maximum	0.05
Center frequency normalized susceptance	± 0.05
Arc power loss, peak power = 50 kw, pulse repetition rate = 1000 pps, pulse width = 1 usec, frequency = 2850 mc, maximum	0.4 decibels
High level voltage standing wave ratio, maximum	1.15


Electronic
TUBE

GENERAL  ELECTRIC

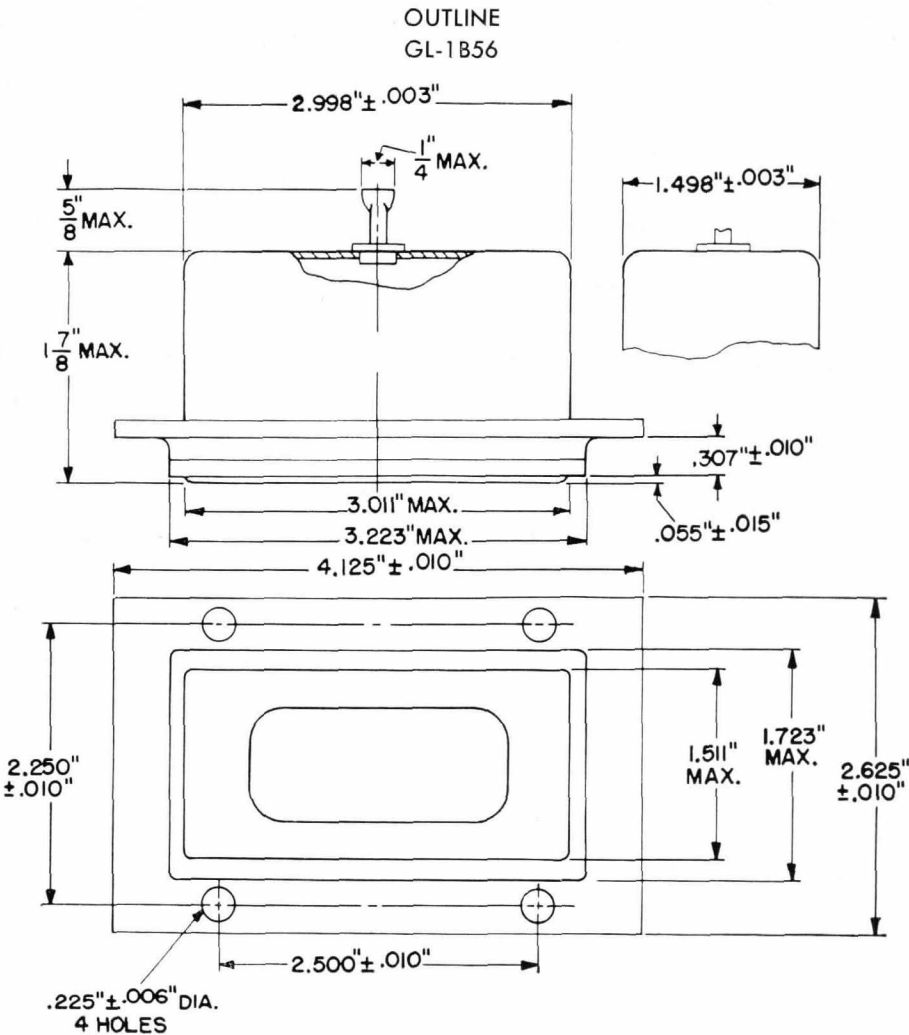
TECHNICAL INFORMATION (CONT'D)

Mechanical

- Mounting position—Any
Ambient temperature range, non-operating. -40 to +100 C
Net weight, approximate. $\frac{3}{4}$ pound

MAXIMUM RATINGS

- Transmitter peak power. 1000 kilowatts



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