



ANTI-TR TUBE

DESCRIPTION

The GL-1B44 is a gas switching tube for use in pulsed microwave circuits. In such circuits it acts effectively to decouple the transmitter from a com-

mon transmitting and receiving antenna during a non-transmitting period. The operational band is from 2680 to 2820 megacycles.

TECHNICAL INFORMATION

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

GENERAL CHARACTERISTICS

Electrical	2750 megacycles
Center frequency	
Operational band at voltage standing	
Wave ratio 9 minimum	2680 to 2820 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 = lusec, frequency = 2750 mc, maximum	0.4 decibels
High level voltage standing wave ratio, maximum	1.15


Electronic
TUBE

GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

Mechanical

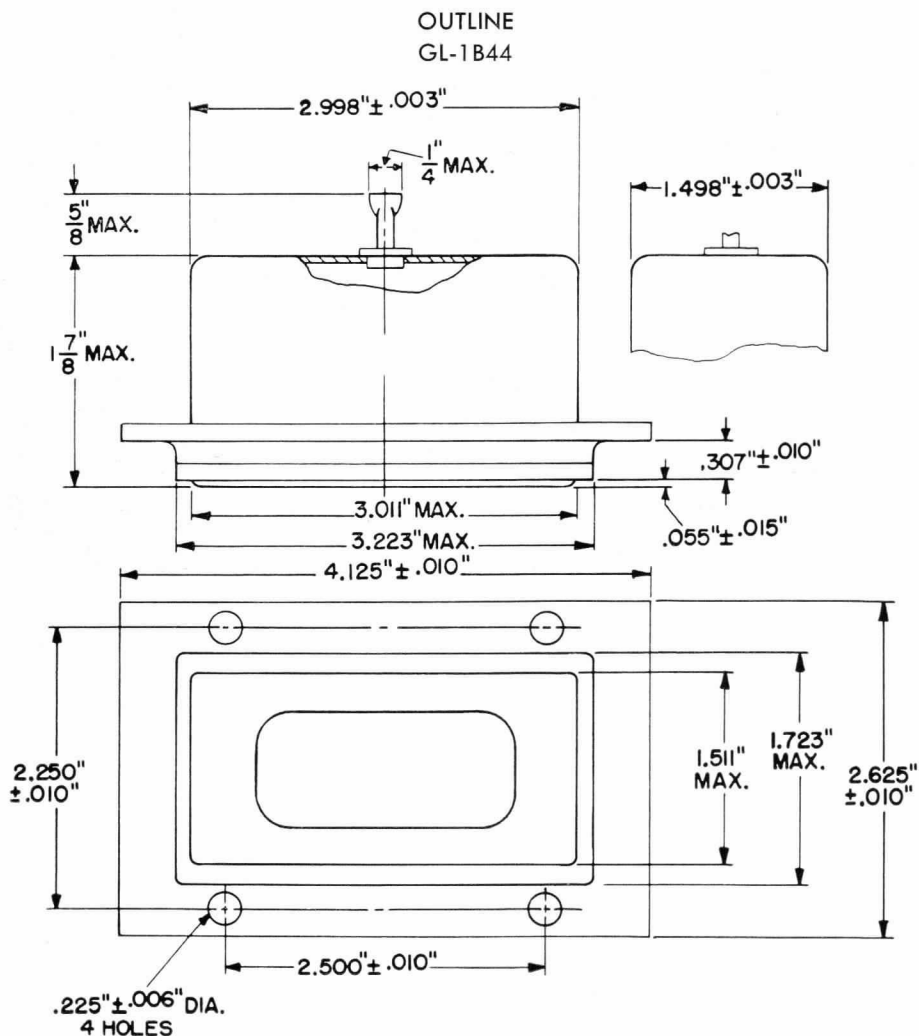
Mounting position—any

Ambient temperature range, non-operating -40 to +100 C

Net weight, approximate $\frac{3}{4}$ pound

MAXIMUM RATINGS

Transmitter peak power 1000 kilowatts



N-24504AZ

5-9-50

Tube Divisions, Electronics Department

GENERAL ELECTRIC

Schenectady, N. Y.