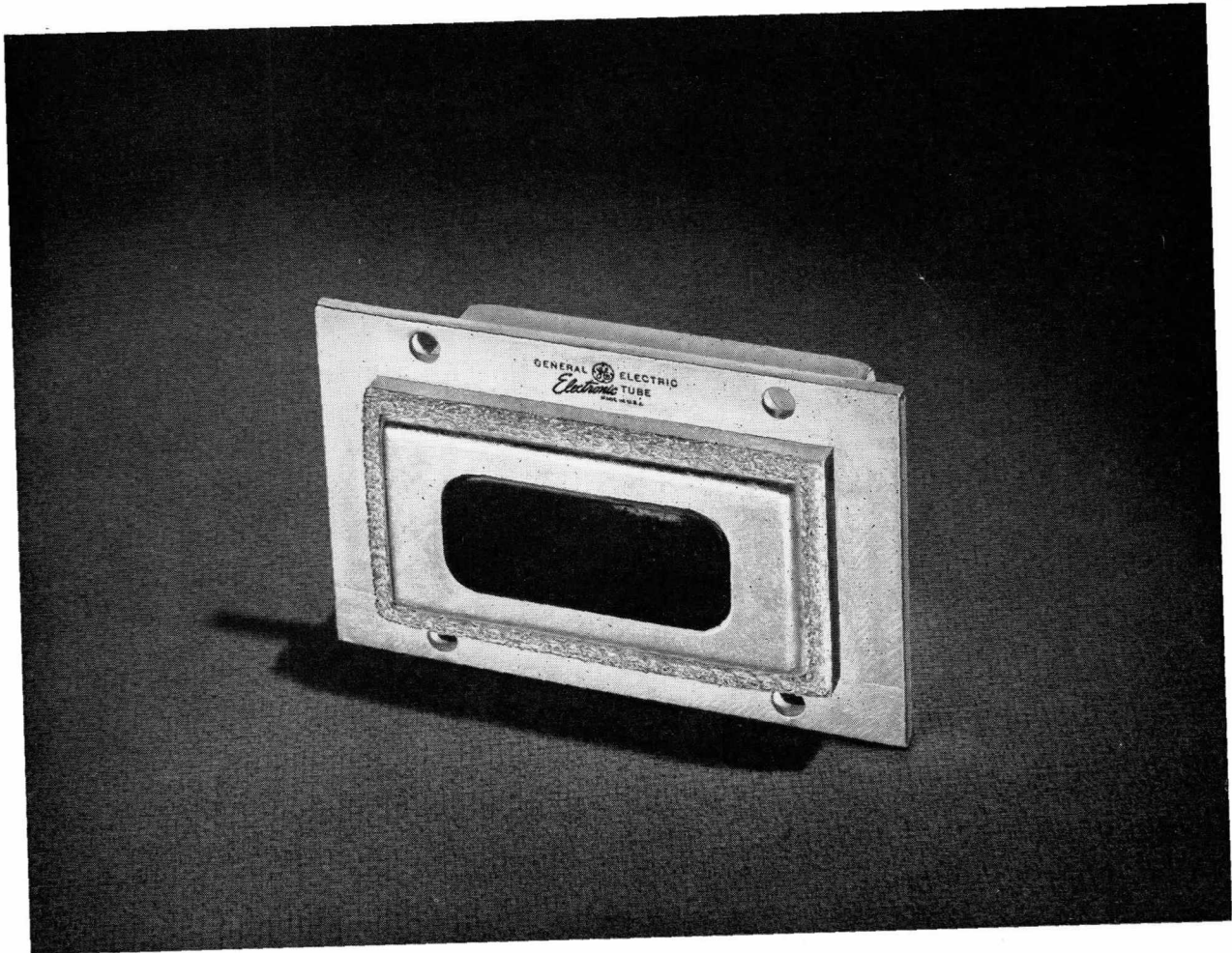




A-TR TUBE

BROADBAND

FIXED

3130 TO 3270 MEGACYCLES

The GL-5921 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 3130 to 3270 megacycles per second.

TECHNICAL INFORMATION

GENERAL

Electrical

Center Frequency	3200 Megacycles
Operational Band at Voltage Standing Wave Ratio=5, minimum	3130 to 3270 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=20 kw, pulse repetition rate=1000 pps, pulse width=1 μ sec, frequency=3300 mc, maximum	0.8 Decibels
High Level Voltage Standard Wave Ratio, maximum	1.15

GENERAL  ELECTRIC

TECHNICAL INFORMATION (CONT'D)

Mechanical

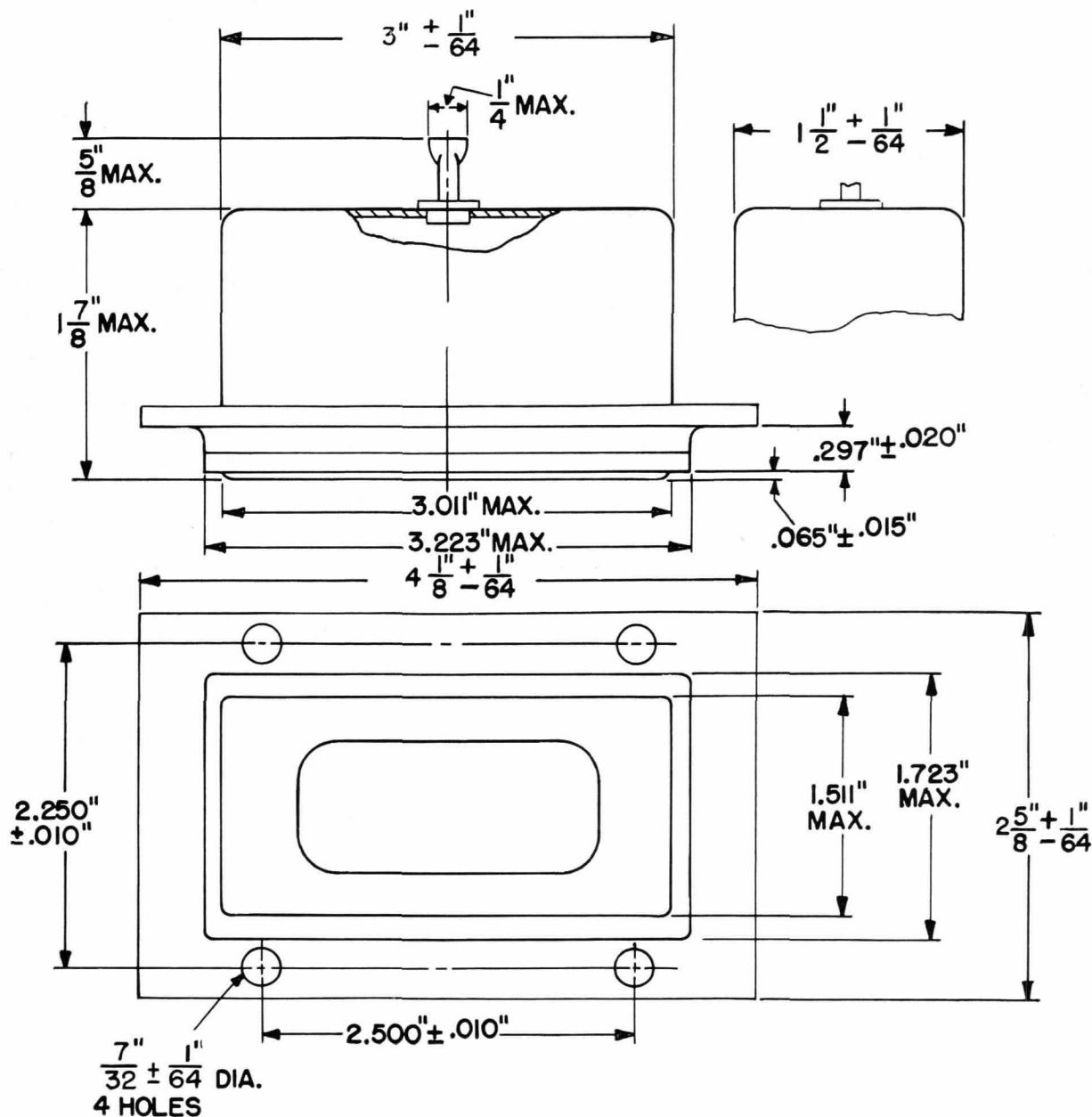
Mounting Position—Any

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

Net Weight, approximate $\frac{3}{4}$ Pounds

MAXIMUM RATINGS

Transmitter Peak Power 1000 Kilowatts



N-24504AZ

4-4-52

TUBE DEPARTMENT

GENERAL  **ELECTRIC**

Schenectady 5, N. Y.

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