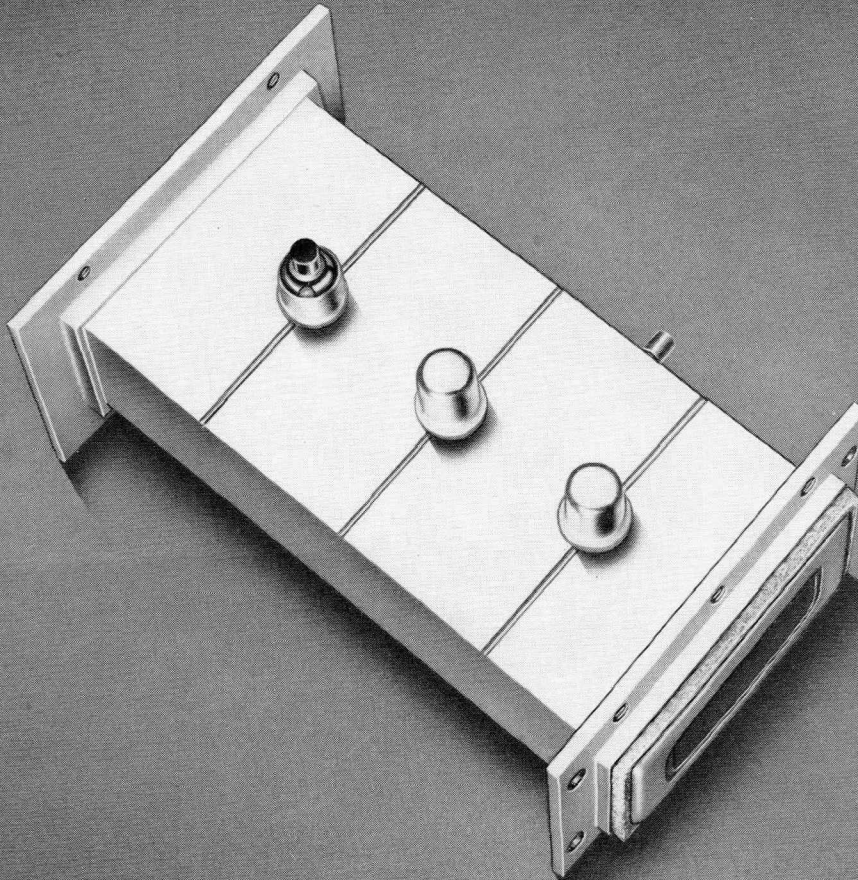




TR TUBE

INTEGRAL CAVITY FIXED

The GL-6117 is a gas switching tube of the integral-cavity type for use in pressurized pulsed microwave circuits. In such service the tube operates to decouple the receiver effectively from a

BROADBAND 2659 TO 2969 MEGACYCLES

common transmitting and receiving antenna during a period of transmission. The operational band is from 2659 to 2969 megacycles.

TECHNICAL INFORMATION

GENERAL

Electrical

Operational Band at Voltage Standing		
Wave Ratio = 1.65 Maximum	2659 to 2969	Megacycles
Open-Circuit Ignitor Supply Voltage		
Minimum	- 500	Volts
Maximum	- 700	Volts
Ignitor Voltage Drop, ignitor current = 200 microamperes		
Minimum	250	Volts
Maximum	400	Volts
Spike Leakage Energy, peak power = 200 kw, pulse repetition rate = 1000 pps, pulse duration = 1 μ sec, ignitor current = 100 μ a, frequency = 2802 mc	0.3	Max Ergs

TECHNICAL INFORMATION (CONT'D)

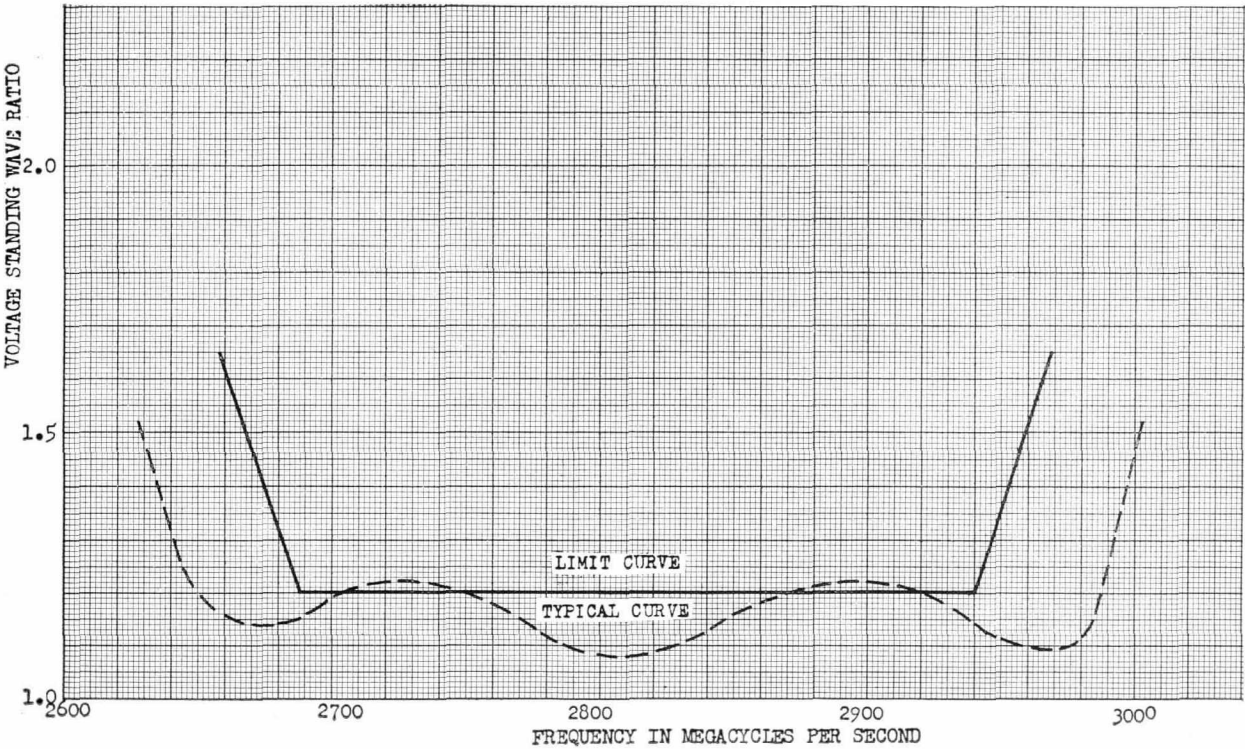
Flat Leakage Energy, peak power = 200 kw, pulse repetition rate = 1000 pps, pulse duration = 1 μ sec, ignitor current = 100 μ a, frequency = 2802 mc.....	0.4	Max Ergs
Ignitor Interaction, ignitor current = 200 microamperes.....	0.3	Max Decibels
Insertion Loss at 2802 Megacycles, ignitor current = 0.....	0.5	Max Decibels
Recovery Time at 750 Kilowatts Peak, 3 decibels down.....	15	Max Microseconds
Ignitor Time.....	5	Max Seconds

Mechanical

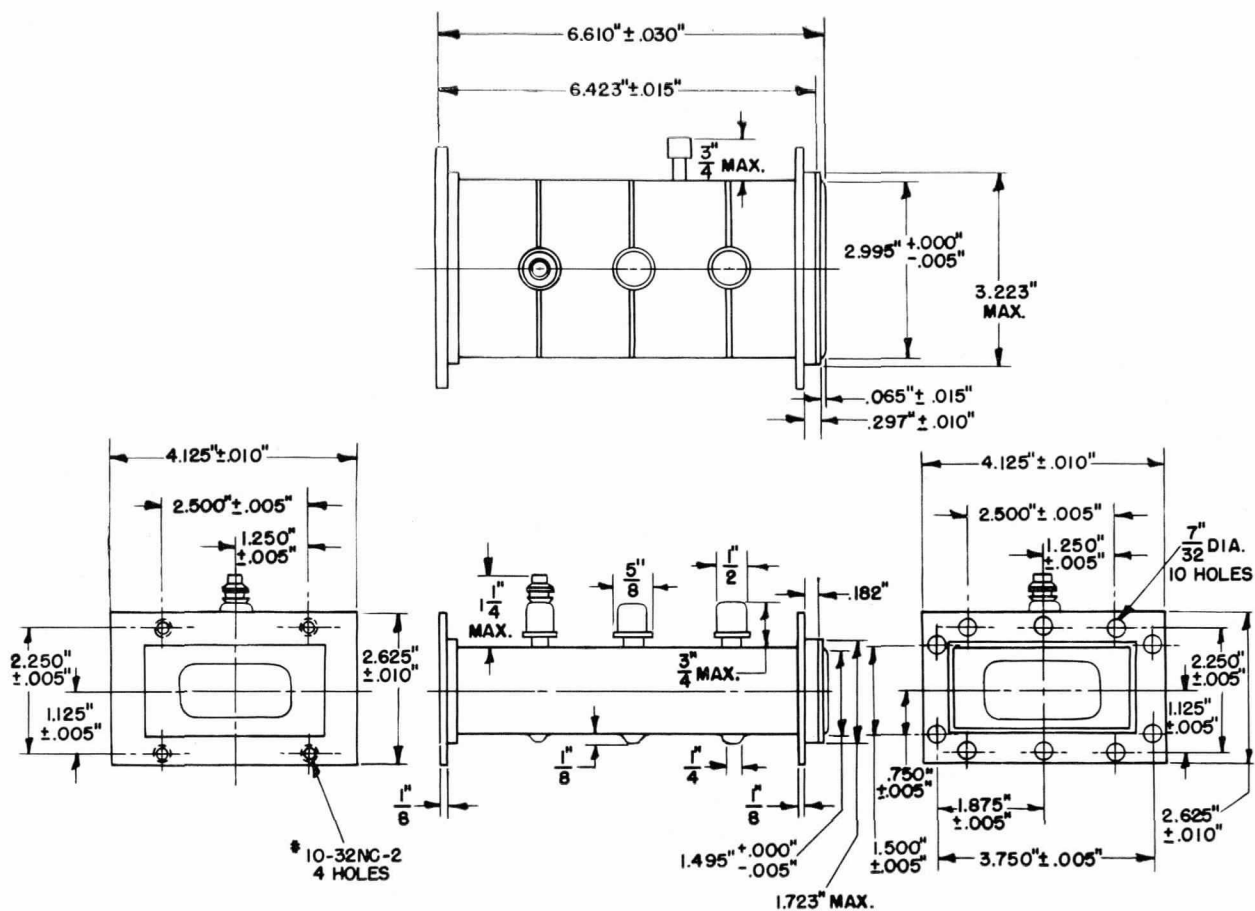
Number of Ignitors.....	1	
Mounting Position—Any		
Ambient Temperature Range, non-operating.....	- 40 to +100	C
Net Weight, approximate.....	2 1/4	Pounds

MAXIMUM RATINGS

Ignitor Current.....	200	Microamperes
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FREQUENCY-RESPONSE CURVE



10-HOLE FLANGE

TUBE DEPARTMENT
GENERAL ELECTRIC
Schenectady 5, N. Y.