DESCRIPTION AND RATING

REFERENCE CAVITY GL-1Q26-A

The GL-1Q26-A is a fixed-frequency, transmission-type, vacuum-sealed reference cavity for use as a frequency-determining reference at 9280 megacycles.

Particular advantages of this cavity are its ability to operate over a wide temperature range, from -40 to +100 C, with a change of only 0.3 megacycle in resonant frequency and the fact that it can be used in a pressurized system.

TECHNICAL INFORMATION

GENERAL

Electrical

Resonant Frequency Cavity mounted between a source and a load whose voltage-standing-wave-ratio = 1.05 maximum	9280	Megacycles
Change in Resonant Frequency With Vibration = 10 g With Pressure = 100 millimeters of mercury to	<u>+</u> 0.1 Max	Megacycles
45 pounds per square inch absolute With Temperature = -40 C to +100 C With Creep*	<u>+</u> 0.1 Max <u>+</u> 0.3 Max <u>+</u> 0.3 Max	Megacycles Megacycles Megacycles
Loaded Q Cavity mounted between a source and a load whose voltage-standing-wave-ratio = 1.05 maximum	1000 - 1500	
Insertion Loss at Resonant Frequency	5 - 8	Decibels
echanical		
Ambient Temperature Range	-55 to +100	C

Мe

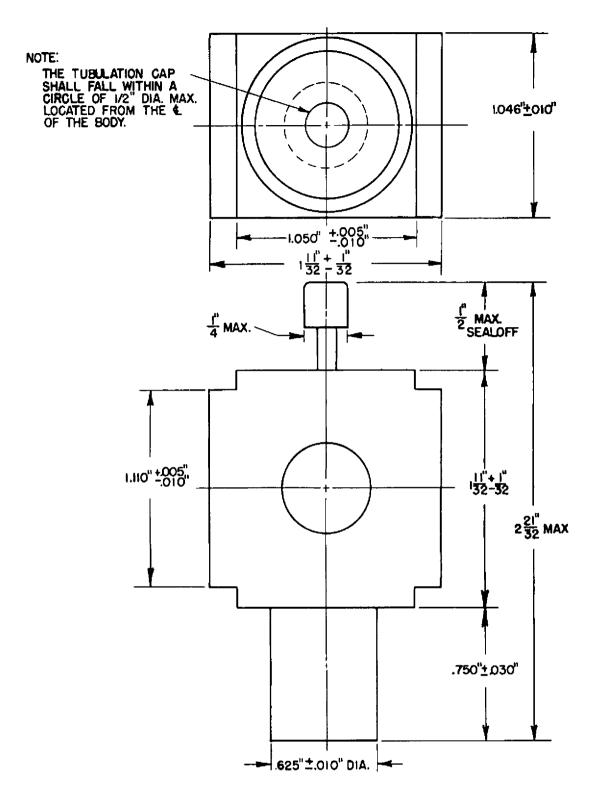
Ambient Temperature Range	-55 to +100	C
Net Weight, approximate	7	Ounces
Mounting Position - Any		

MAXIMUM RATINGS

Incident Peak Power, maximum 5 Kilowatts

* The small hysteresis change in length of a metal due to its being taken through heating and cooling cycles.





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Outline GL-1Q26-A



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