

Bulkhead Attenuator, SMA

Model 2142-CRYO

Features

- Stable Attenuation over temperature
- Low thermal noise characteristics
- Minimal self heating, achieves temperature faster.
- Optimized non-magnetic material selection.

Technical Specifications

Parameter	Value
Frequency Range	DC to 18 GHz
Standard dB Values	3, 6, 10 & 20dB
Attenuation Accuracy (dB)	
3 & 6dB	±0.3dB
10 & 20dB	±0.5dB
VSWR	
DC – 4 GHz	1.15:1 Max.
4 – 18 GHz	1.20:1 Max.
8 – 12.4 GHz	1.25:1 Max.
12.4 – 18 GHz	1.35:1 Max.
Input Power	2 Watts Avg. @ 25°C Derated Linearly to 1.1 Watts @ +125°C
Peak Power	250 Watts Max. (5uSec Pulse, .05% Duty Cycle)
Impedance	50 Ohms
Operating Temp. Range	-55°C to +125°C

Frequency Range: DC to 18.0 GHz
Power: 2 Watts



Mechanical

Feature	Material
SMA Connectors <i>Mates with MIL-STD-348</i>	White Bronze Plated Brass
Conductors	Gold Plated Beryllium Copper
Substrate	Beryllium Oxide
Resistor Material	Proprietary Thin Film
Springs	Beryllium Copper

How to Order

2142-XX-CRYO

Base
Model #

dB Value

03 = 3dB
10 = 10dB

Order Examples

Model Number: 2142-03-CRYO

DC-18 GHz, 3dB, SMA Fem/Fem

Model Number: 2142-10-CRYO

DC-18 GHz, 10dB, SMA Fem/Fem

Design Specifications are subject to change without notice.

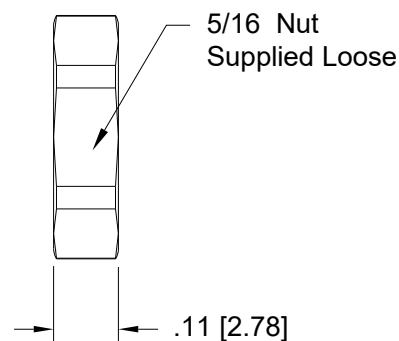
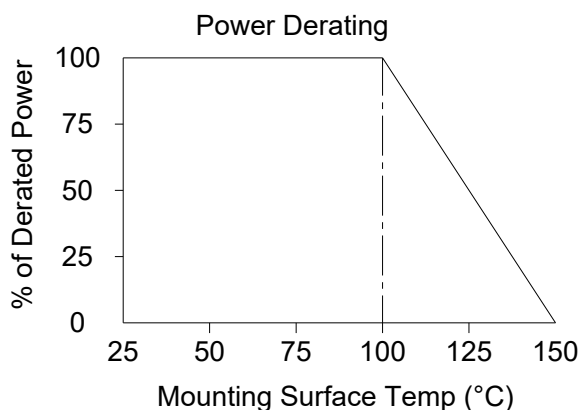
rev B

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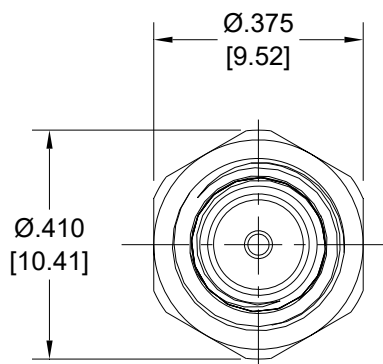
Frequency Range: DC to 18.0 GHz
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Performance Characteristics

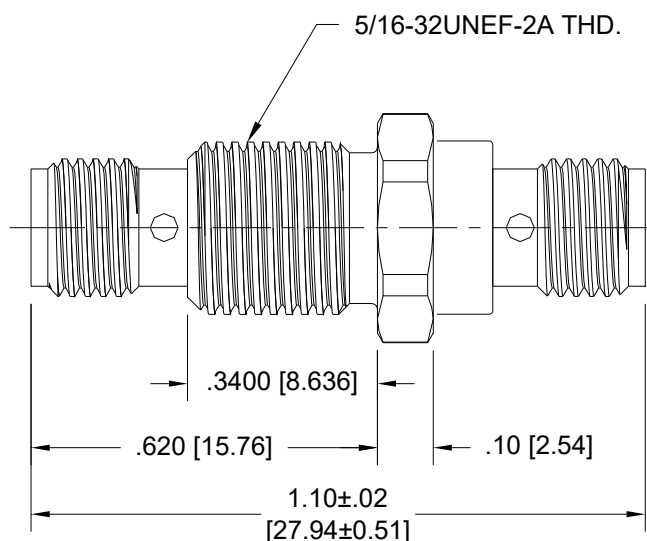


Physical Dimensions

Model Number: 2142-03-CRYO shown



Tolerance: .XXX" = ±.010"



Note: Dimensions in Brackets [] are expressed in millimeters and are for reference only.

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