

Fixed Coaxial Attenuators: Model 1



Precision N Connectors

Features

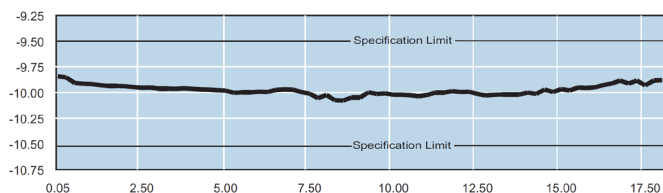
- Rugged injection molded connectors
- Designed to meet environmental requirements of MIL-DTL-3933.

Specifications

Nominal Impedance: 50 Ω
Frequency Range: DC to 12.4 GHz

Maximum Deviation Over Frequency:

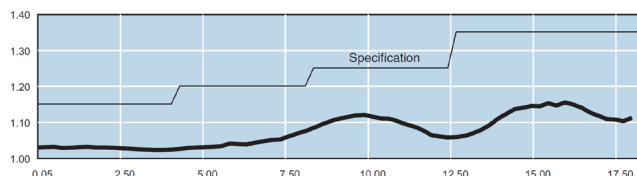
Nominal ATTN (dB)	1
1-9	± 0.30
10, 20	± 0.30
30, 40	± 0.75
50	± 0.75
60	± 1.00



Typical Attenuation Performance

Maximum SWR:

Nominal ATTN (dB)	1
dc - 4	1.15
4 - 8	1.20
8 - 12.4	1.25
12.4 - 18	---



Typical SWR



Power Rating:

5 watts **average** @ 25C ambient temperature, derated linearly to 0.5 watt @ 125C. 1 kilowatt **peak** (5 μ sec pulse width; 0.25% duty cycle)

Power Coefficient:

<0.005 dB/dB/Watt

Temperature Coefficient:

< 0.0004 dB/dB/°C

Temperature Range:

-55°C to +125°C

Test Data:

Swept data plots of attenuation and SWR from 50 MHz to 12.4 / 18 GHz is available at additional cost.

Connectors:

Precision Type N connectors per MIL STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors.

Construction:

Stainless steel body and connectors; gold plated beryllium copper contacts.

Weight:

dB Value
 1-10, 20, 30
 40, 50, 60

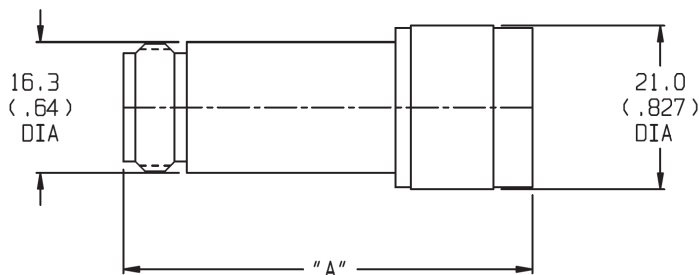
Weight (Net)
 71 g (2.5 oz)
 79 g (2.8 oz)

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**DC to 12.4 GHz
5 Watts**

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Physical Dimensions



dB Value	Dim A
1-10, 20, 30	57.9 (2.28)
40, 50, 60	68.1 (2.68)

NOTE: All dimensions are given in mm (inches) and are nominal
+0.5 (0.02), unless otherwise specified.

Model Number Description:

Example: **1 - XX**

Basic Model Number

Attenuation Value (dB)