

Fixed Coaxial Attenuators Model 44

Lab Standard, Precision N Connectors

dc to 18.0 GHz
5 Watts

Features

- Precision Connectors
- Test Data: A certificate of test supplied with each attenuator.
- Hex Nut Connector: Allows for use of torque-wrench to improve connector repeatability.
- Designed to meet environmental requirements of MIL-DTL-3933.

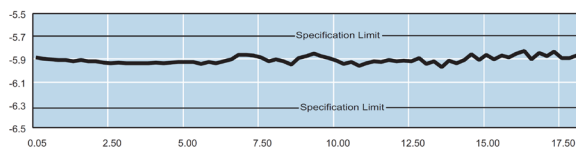
Specifications

Nominal Impedance: 50 Ω

Frequency Range: dc to 18.0 GHz

Maximum Deviation Over Frequency:

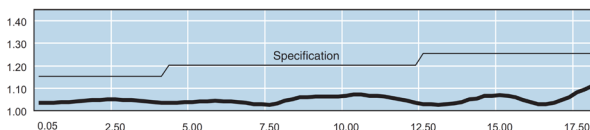
Nominal ATTN (dB)	Deviation (dB)
1 - 9	±0.30
10, 20	±0.50
30, 40	±1.00
50	±1.25
60	±1.50



Typical Attenuation Accuracy of a 44-6

Maximum SWR:

Frequency (GHz)	SWR*
dc - 4	1.15
4 - 12.4	1.20
12.4 - 18	1.25



Typical SWR of a 44-6



Power Rating: 5 watts average @ 25°C ambient temperature, derated linearly to 0.5 watt @ 125°C. 1 kilowatt peak (5 μsec 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 18 GHz.

Connectors: Precision Type N per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors. Coupling Torque: 14 + 1 in/lbs.

Construction: Brass Body (plated) and Stainless steel connectors; gold plated beryllium copper contacts.

Weight:

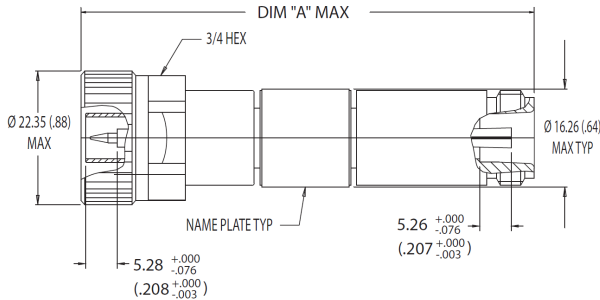
dB Value	Weight (Net)
1 - 10, 20, 30	100 g (3.5oz)
40, 50, 60	140 g (4.5 oz)

Fixed Coaxial Attenuators Model 44

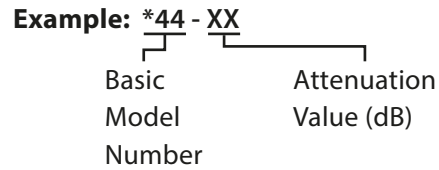
Lab Standard, Precision N Connectors

**dc to 18.0 GHz
5 Watts**

Physical Dimensions:



Model Number Description



Attenuator Set (AS-18): Model 44 is also available in a Attenuator Set which includes six different attenuators (1, 3, 6, 10, 20, 30 dB). Refer to Attenuator Sets data sheet for more information.

dB Value	Prefix M	DIM A STD	Prefix F
0-10, 20, 30	76.2 (3.0)	76.2 (3.0)	77.7 (3.06)
40, 50, 60	86.4 (3.4)	86.4 (3.4)	87.9 (3.46)

Note: All dimensions are given in mm (inches) and are maximum, unless otherwise specified.