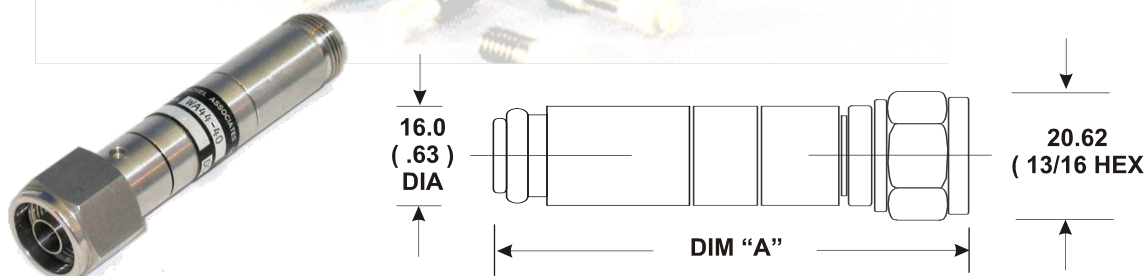


Fixed Coaxial Attenuator

WA44

DC – 18 GHz

5 WATTS



Features

Type N-type stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate non-destructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification.

Precision N-type hex connector design.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 18 GHz.

Nominal dB Values: 1 - 60 dB

Power Coefficient: < 0.005 dB/dB/W;
Bidirectional in power.

Power Rating: 5 W average to 25°C ambient temperature, de-rated linearly to 0W at 125°C, 1 kW peak (5 µsec pulse width, 0.25% duty cycle).

Temperature Range: -55°C to +125°C.

Temperature Coefficient: < 0.0004 dB/dB/°C.

Construction: Passivated stainless steel body and connectors. Gold plated beryllium copper or stainless steel contacts.

Calibration: Insertion Loss and VSWR performed across frequency range. Calibration test data available at additional cost.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB
	WA44
1 - 9	0.3
10 - 20	0.5
21 - 40	1.0
41 - 60	1.5

Maximum VSWR:

Frequency (GHz)	VSWR
	WA44
DC - 4.0	1.15
4.0 - 12.4	1.2
12.4 - 18.0	1.25

Dimensions:

Attenuation (dB)	WA44		
	Length (Dim "A")	Diameter	Weight
1 - 30	74.4 (2.93)	16.0 (.63)	.10 (3.5)
31 - 60	84.6 (3.33)	16.0 (.63)	.13 (4.5)

Note: Dimensions are given in mm (in), or kg (oz). Weight figure is nominal, with our standard connector configuration. Additional connector options may be available.