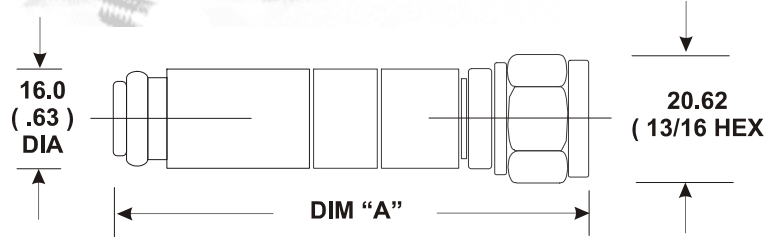


Fixed Coaxial Attenuator Precision

MODEL WA44

DC –18.0 GHz

5 WATTS



Features

Precision N-Type stainless steel connectors with hex coupling nut per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification. Unit may be mounted in any position.

Specifications

Nominal Impedance: 50 ohms.

Frequency: DC - 18.0 GHz.

Power Rating: 5W CW / 1kW peak. Full power from -55°C to +25°C. Derated linearly to 0 watts at 125°C.

Power Sensitivity: <0.005 dB /dB/W;
Bidirectional

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB
1 - 9	0.3
10, 20	0.5
30, 40	1.0
50, 60	1.5

Physical Dimensions:

Attenuation (dB)	Length
1 - 30	74.42 (2.93)
31 - 60	84.58 (3.33)

Temperature Range: -55°C to +125°C.

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

Maximum VSWR:

Frequency (GHz)	VSWR
DC - 4.0	1.15
4.0 - 12.4	1.20
12.4 - 18.0	1.25

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

Construction: Stainless steel barrels with Type N stainless steel male and female connectors to mate nondestructively with connectors per MIL-PRF-39012 and MIL-STD-348A.

Weight:

1 to 30 dB: Net 0.10 kg (3.5 oz.)
31 to 60 dB: Net 0.13 kg (4.5 oz.)

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



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