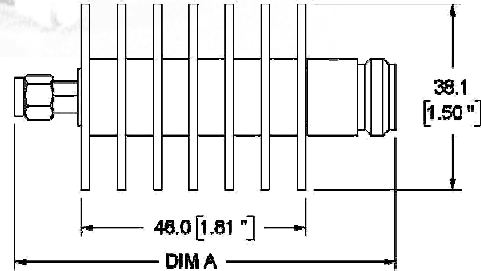


Fixed Coaxial Attenuator High Power - High Frequency

MODEL WA46

DC – 18.0 GHz
Bidirectional

25 WATTS



Features

Designed to meet environmental requirements of MIL-DTL-3933. Low Intermodulation option available on 10, 20, 30, and 40 dB.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 18.0 GHz.

Nominal dB Values: 3 - 40 dB.

Power Sensitivity: < 0.0006 dB/dB/W;
Bidirectional in power.

Power Rating: 25W CW / 1kw peak. Maximum rated average power to 25°C ambient temperature, derated linearly to 2.5 watts at 125°C. 1 kilowatt peak (5 µsec pulse width; 1.25% duty cycle).

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		
	WA46	WA46-LIM	
	DC – 18.0 GHz	DC – 8.0 GHz	8.0 – 18.0 GHz
3, 6	0.50	--	--
10	0.50	0.5	+1.0/-0.0
20	0.75	0.5	+1.0/-0.0
30, 40	1.00	0.5	+1.0/-0.0

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

Connectors: Type N or SMA stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification. High power input is unidirectional: Input connector optional; Female if not specified.

* Add -LIM after connector option for Low Intermodulation option.

Temperature Range: -55°C to +125°C.

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

Construction: Black finned aluminum alloy body with passivated stainless steel connectors. Gold plated beryllium copper female contacts, stainless steel male contacts.

Maximum VSWR:

Frequency (GHz)	VSWR
DC – 8.0	1.20
8.0 – 12.4	1.25
12.4 – 18.0	1.35

Weight:

Type N 0.11 kg / 4 oz.
SMA 0.08 kg / 2.7 oz.

Physical Dimensions:

Length:

Connector	Dimension A
Type N	83.8 (3.3)
SMA	73.7 (2.9)

Diameter: 38.1 (1.5).



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