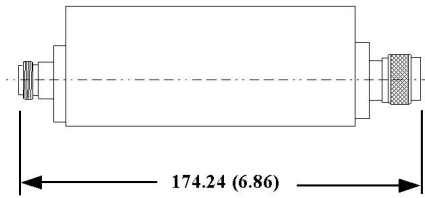
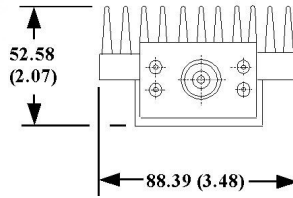
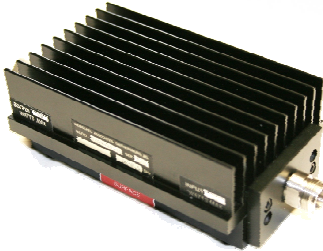


Fixed Coaxial Attenuator High Power

MODEL WA49

DC – 8.5 GHz

150 WATTS



Features

Designed to meet MIL-DTL-3933 environmental specification. Unit may be mounted in any position. Low Intermodulation option available.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 8.5 GHz.

Nominal dB Values: 3 - 40 dB.

Power Sensitivity: < 0.0001 dB/dB/W;
Unidirectional in power.

Power Rating: 150 watts average. Maximum rated average power to 25°C ambient temperature, derated linearly to 15 watts at 125°C. 5 kilowatt peak (5 µsec pulse width; 1.5% duty cycle).

Temperature Range: -55°C to +125°C.

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

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

Standard Nominal Values/ Deviations:

Attenuation (dB)	Accuracy ± dB	
	DC - 8.5 GHz	
	WA49	WA49-LIM
3,6	0.75	-----
10,20	0.75	1.25
30	0.75	1.75
40	1.0	1.75

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

Connectors: Type N, SMA, and DIN 7/16 stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012.

Add -LIM for Low Intermodulation option after connector option.

Example: WA49-dB-XX-LIM

Maximum VSWR:

Frequency (GHz)	VSWR
DC - 4.0	1.20
4.0 - 8.5	1.35

Weight:

Type N 1.5 kg/ 3.3 lb.
DIN 7/16 1.7 kg/ 3.7 lb.

Physical Dimensions:

Length:

Connector	Length
Type N	174.24 (6.86)
DIN 7/16	226 (8.5)

Width: 89.0 (3.5) Max

Height: 54.0 (2.1) Max

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



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