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Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



Disclaimer:

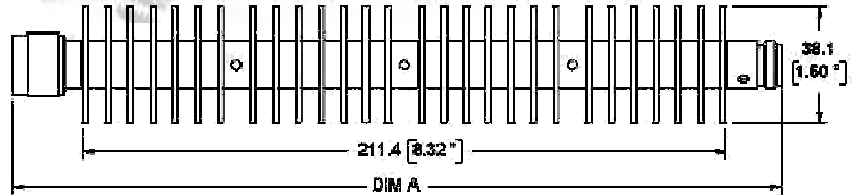
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Fixed Coaxial Attenuator High Power - High Frequency

MODEL WA48

DC -18.0 GHz

100 WATTS



Features

Designed to meet MIL-DTL-3933 environmental specification. Low Intermodulation option available.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC -18.0 GHz.

Nominal dB Values: 10 - 40 dB.

Power Sensitivity: < 0.00015 dB/dB/W;
Unidirectional in power.

Power Rating: 100 watts average. Maximum rated average power to 25°C ambient temperature, derated linearly to 10 watts at 125°C. 1 kilowatt peak (5 µsec pulse width; 5% 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		
	WA48	WA48-LIM	
	DC - 18.0 GHz	DC-8.0 GHz	8.0-18.0 GHz
10	1.25	1.00	+3.0/-0.0
20	0.75	1.00	+3.0/-0.0
30, 40	1.00	1.00	+3.0/-0.0

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

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.

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

* Add -LIM for Low Intermodulation option after connector option. Example: WA48-dB-XX-LIM

Maximum VSWR:

Frequency (GHz)	VSWR 10 dB	VSWR 20,30,40 dB	WA48-LIM
DC - 8.0	1.40	1.25	1.40
8.0 - 12.4	1.40	1.35	1.45
12.4 - 18.0	1.55	1.45	1.45

Weight:

Type N 0.36 kg / 13 oz.
SMA 0.28 kg / 10 oz.

Physical Dimensions:

Length:

Connector	Dimension A
Type N	256.6 (10.1)
SMA	246.4 (9.7)

Diameter: 38.1 (1.5)



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45

Specification
Subject to change
without notice