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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.

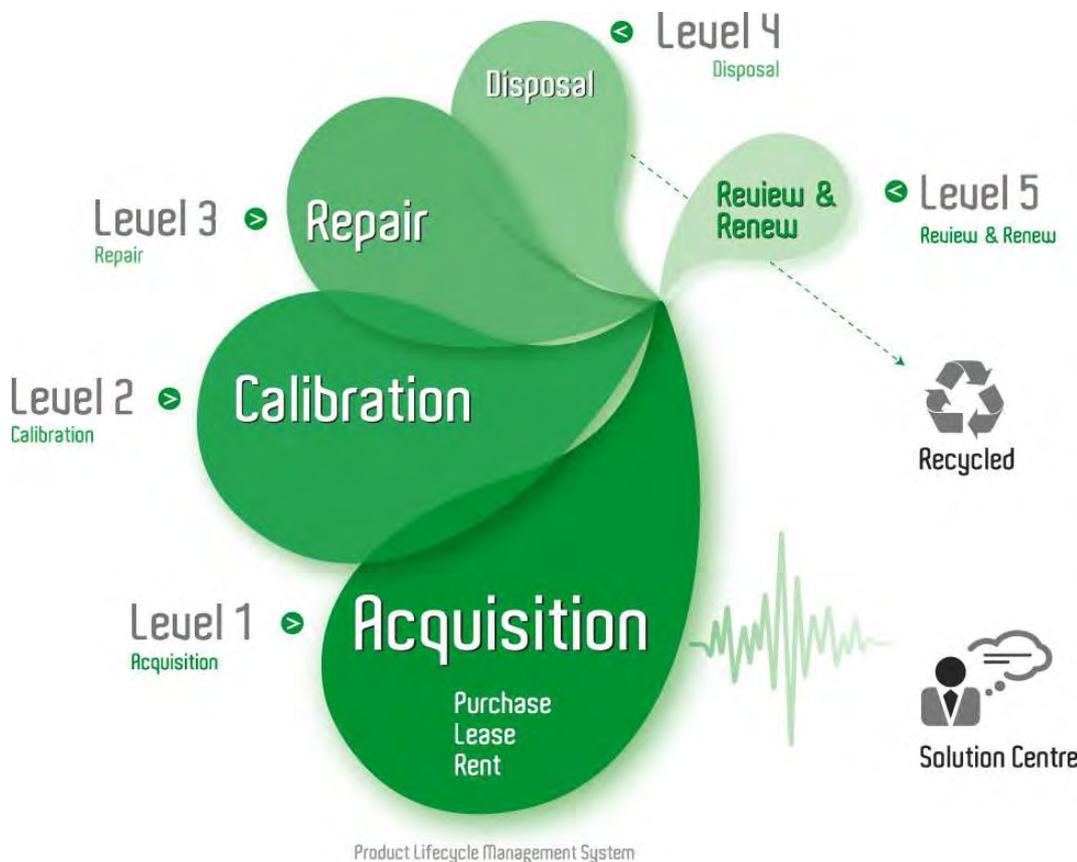
If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



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Product Lifecycle Management System

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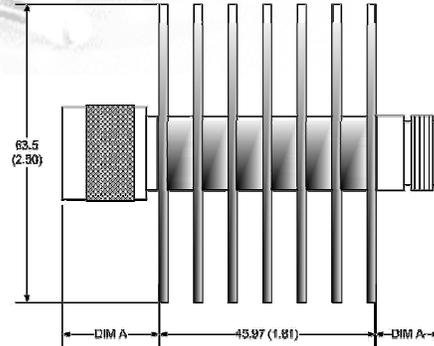


Fixed Coaxial Attenuator High Power - High Frequency

MODEL WA90

DC – 18.0 GHz
Bi-directional

50 WATTS



Features

Designed to meet MIL-DTL-3933 environmental specification. Compact construction to meet a wide range of design requirements.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC -18.0 GHz.

Nominal dB Values: 3 - 40 dB.

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

Power Rating: 50W CW/ 1 KW peak to 25°C ambient temperature, derated linearly to 5 watts at 125°C, 1 kilowatt peak (5 µsec pulse width; 2.5% duty cycle).

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB
	DC – 18.0 GHz
3, 6, 10	0.50
20	0.75
30, 40	1.00

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

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

Temperature Range: -55°C to +125°C.

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

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

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 0.18 kg/ 6.1 oz.
SMA 0.16 kg/ 5.7 oz.

Physical Dimensions:

Length:

Connector	Length
Type N	19.1 (0.75)
SMA	15.3 (0.6)

Diameter: 63.50 (2.50).

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



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Specification
Subject to change
without notice