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Test & Measurement

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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.

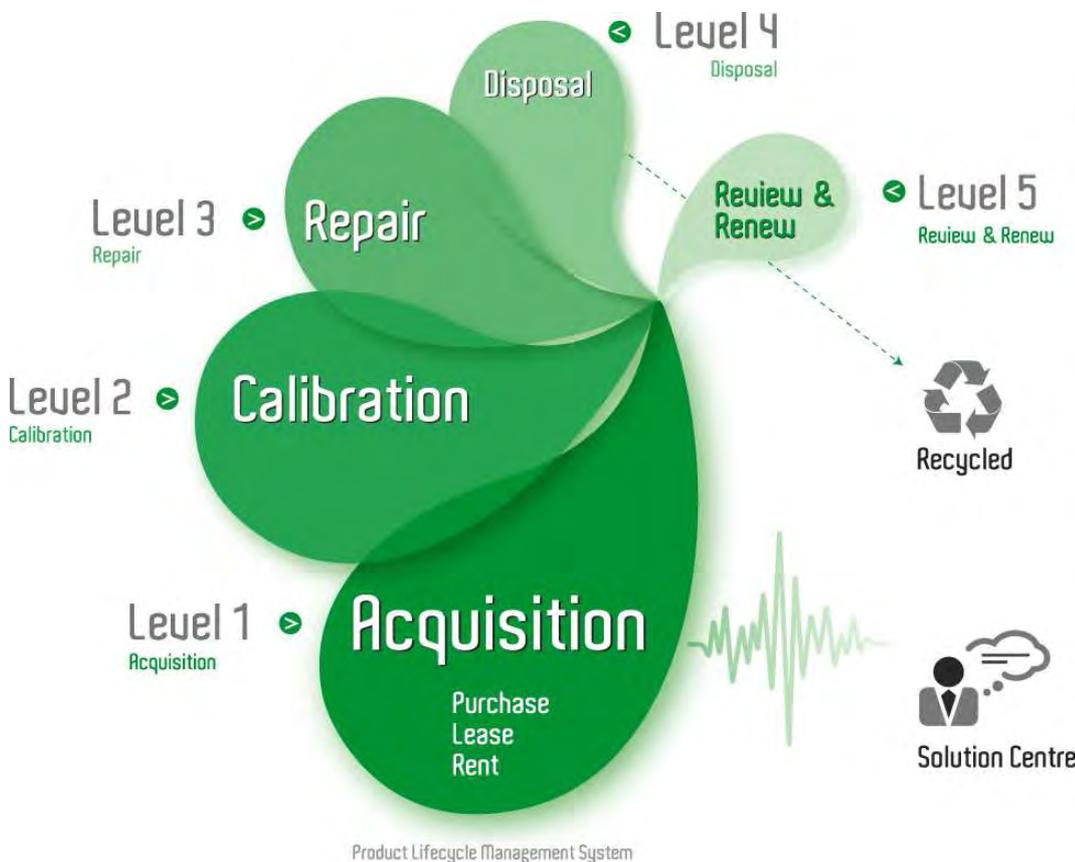
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TMG Corporate Website

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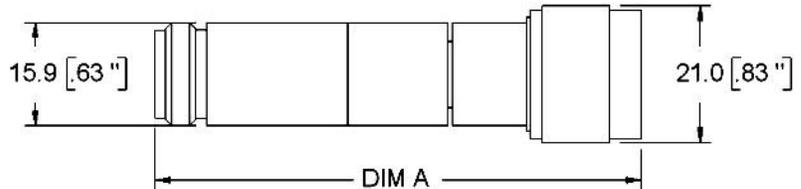


Fixed Coaxial Attenuator

MODEL WA50

DC – 3.0 GHz

2 WATTS



Specifications

Nominal Impedance: 50 ohms.

Frequency: DC to 3.0 GHz.

Standard Nominal Values and Deviations:

Standard Nominal Value (dB)	Deviation		
	From Nominal At DC (\pm dB)	From DC	
		2 GHz (\pm dB)	3 GHz (\pm dB)
1 thru 5	0.02	0.1	0.2
6 thru 10	0.05	0.1	0.2
20 thru 50	0.10	0.15	0.3

Temperature Range: -30°C to +70°C (no derating)

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

Accuracy of Calibration:

Frequency	VSWR	Insertion Loss	
		1-40 dB	50 dB
DC	1%	0.05 dB / 10 dB	0.02 dB
1 GHz	2%	dB or 0.1 dB / 10 dB, whichever is greater.	
2 & 3 GHz	4%		

Maximum VSWR:

DC: 50 \pm 1 ohms

1.0 GHz: 1.15

3.0 GHz: 1.20

Power Rating:

1 to 50 dB: 2 watts average, 1kW peak.

Physical Dimensions:

Attenuation (dB)	Dim "A" Max
1 – 30	76.2 (3.0)
31 – 50	88.9 (3.5)

Construction: Stainless steel barrels. 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 (3.6 oz.)

31 to 50 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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