



ABN 43 064 478 842

231 Osborne Avenue Clayton South, VIC 3169
PO Box 1548, Clayton South, VIC 3169
t 03 9265 7400 f 03 9558 0875
freecall 1800 680 680
www.tmgtestequipment.com.au

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



Click-to-Call
TMG Now



Product Lifecycle Management System

Disclaimer:

All trademarks appearing within this PDF are trademarks of their respective owners.

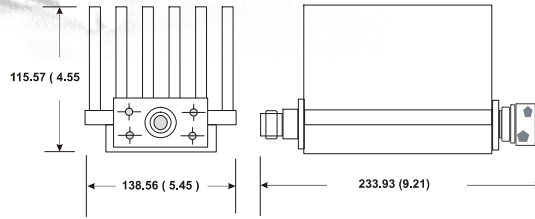


Fixed Coaxial Attenuator High Power

MODEL WA53

DC – 2.5 GHz

500 WATTS



Features

Designed to meet MIL-DTL-3933 environmental specifications. Unit may be mounted in a horizontal or vertical position. Convection cooled, full power rating without forced air cooling.

Low Intermodulation option; 10, 20, 30, and 40dB models.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC -2.5 GHz.

Nominal dB Values: 3 - 40 dB.

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

Power Rating: 500 watts average. Maximum rated average power to from -55°C to 35°C ambient temperature, de-rated linearly to 50 watts at 125°C. 10-kilowatt peak (5 µsec pulse width; 2.5% duty cycle).

Temperature Range: -55°C to +125°C.

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

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB DC - 2.5GHz	
	WA53	WA53 LIM
3	0.50	N/A
6	1.00	N/A
10	1.00	1.20
20,30,40	0.50	1.20

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

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

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

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA53	WA53-LIM
DC – 2.5 GHz	1.10	1.15

Weight: 4.1 kg / 9.0 lbs.

Width: 139.7 (5.5)

Height: 116.9 (4.6)

Length:

Connector	Length
Type N	297 (11.7)
DIN 7/16	338 (13.3)

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



WEINSCHTEL ASSOCIATES

TEL: 877.948.8342 / 301.963.4630 ♦ Fax: 301.963.8640

WEB: <http://www.WeinschelAssociates.com>

EMAIL: sales@WeinschelAssociates.com

49

Specification
Subject to change
without notice