



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

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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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Product Lifecycle Management System

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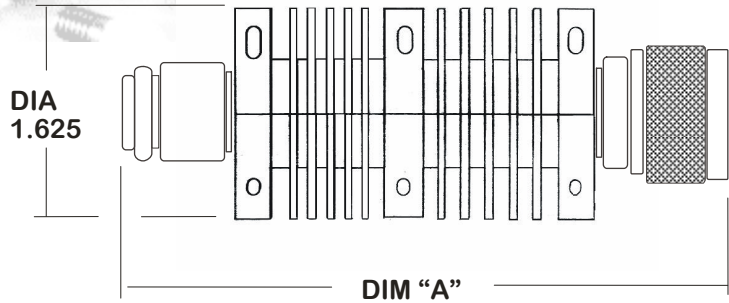


Fixed Coaxial Attenuator

MODEL WA24

DC – 8.5 GHz
Bi-directional

50 WATTS



Features

Type N, SMA, or DIN 7/16 stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Designed to meet environmental requirements of MIL-DTL-3933.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 8.5 GHz.

Nominal dB Values: 3 - 40 dB (50 dB unidirectional version also available).

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

Power Rating: 50 watts average to 25°C ambient temperature, de-rated linearly to 2.5 watts at 125° C. 5 kilowatt peak power (5 µsec pulse width; 0.5% duty cycle).

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	DC – 4.0 GHz	4.0 – 8.5 GHz
3,6,10,20	0.4	0.75
30,40	0.6	1.00

Temperature Range: -55°C to +125°C.

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

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

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

Maximum VSWR:

Frequency (GHz)	VSWR
DC - 4.0	1.20
4.0 - 8.5	1.30

Physical Dimensions:

Length:

Connector Type	DIM "A"
SMA	101.09 (3.98)
Type N	111.76 (4.37)

Weight: .28 kg/ 10 oz.

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



WEINSCHEL ASSOCIATES

TEL: 877.948.8342 / 301.963.4630 ♦ Fax: 301.963.8640

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

EMAIL: sales@WeinschelAssociates.com