



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
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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.

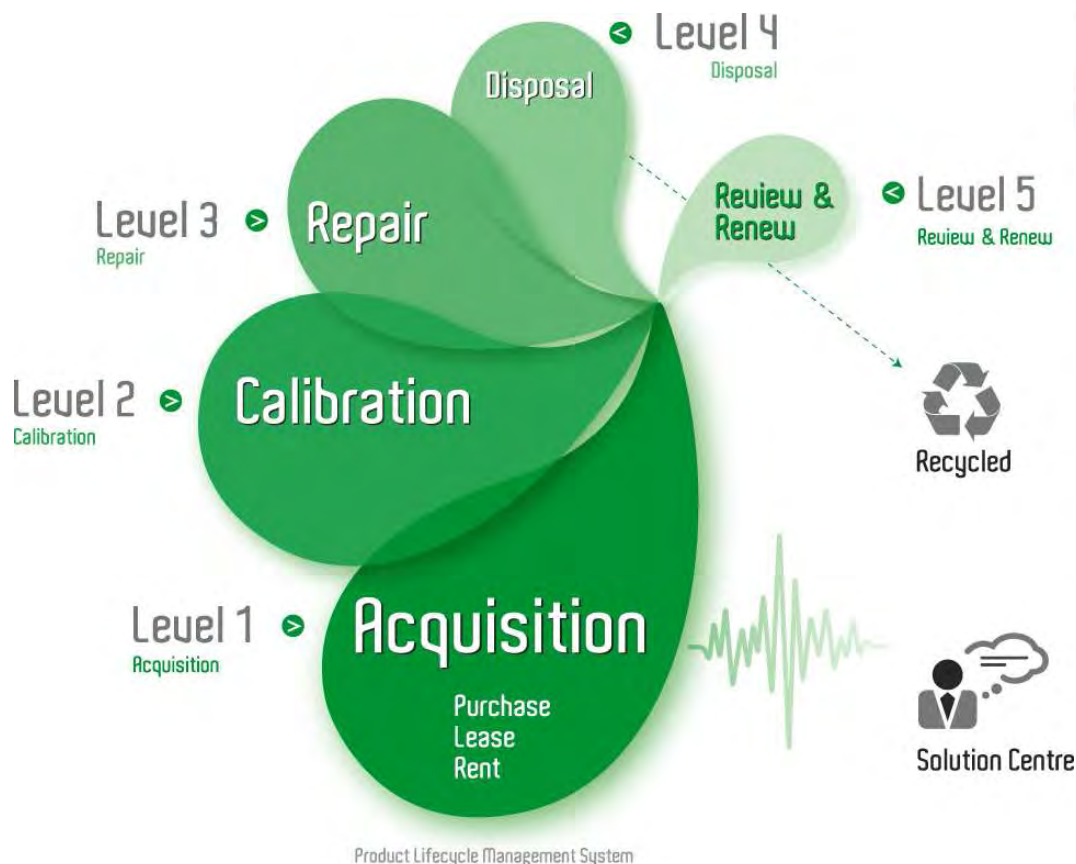
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# Fixed Coaxial Attenuator MODEL WA3C & WA4C

DC – 12.4 GHz  
DC – 18.0 GHz

2 WATTS



## Features

Type SMA; stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification.

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** WA3C: DC - 12.4 GHz.  
WA4C: DC - 18.0 GHz.

**Nominal dB Values:** 0 - 30 dB.

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

**Power Rating:** 2 watts average to 25°C ambient temperature, de-rated linearly to 1.25 watts at 75°C and 0.5W at +125° C, 250 watts peak.

**Temperature Range:** -65°C to +125°C.

**Standard Nominal Values and Deviations:**

Attenuation (dB)	Accuracy ± dB	
	WA3C	WA4C
0 - 6	0.3	0.3
7 - 20	0.5	0.5
21 - 30	0.75	0.75

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

**Construction:** Passivated stainless steel body and connectors. Gold plated beryllium copper female contacts Stainless steel male contacts.

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

**Maximum VSWR:**

Frequency (GHz)	VSWR	
	WA3H	WA4H
DC - 4.0	1.15	1.15
4.0 - 8.0	1.20	1.20
8.0 - 12.4	1.25	1.25
12.4 - 18.0	N/A	1.35

**Weight (Both Models):**

1 - 12 dB      3.9 gm/ 0.14 oz.  
13 - 30 dB      4.3 gm/ 0.15 oz.

**Physical Dimensions:**

**Length:**

Attenuation (dB)	Length
1 - 12	19.3 (0.76)
13 - 30	22.6 (0.89)

**Diameter:** 7.1 (0.28).

Note: Dimensions are given in mm (inches) and are ± 0.8 (0.03), 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](mailto:sales@WeinschelAssociates.com)