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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.

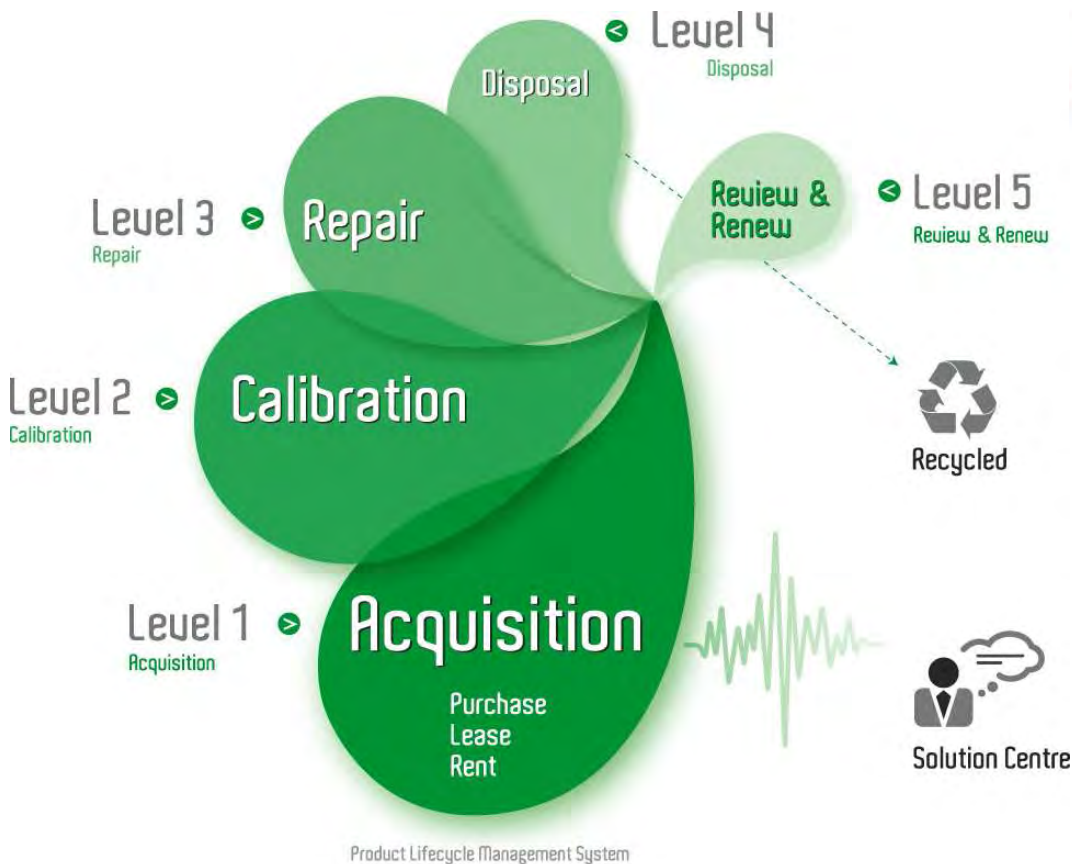
TMG will assist if you are unsure whether this model will suit your requirements.

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

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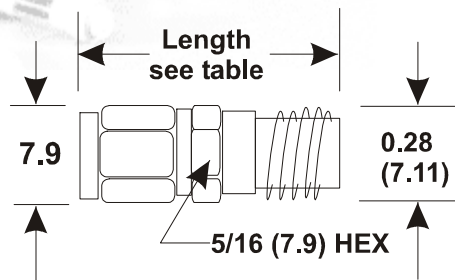


# Fixed Coaxial Attenuator

# MODEL WA9

DC – 26.5 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. **Usable to 30 GHz.**

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC - 26.5 GHz.

**Nominal dB Values:** 1 - 60 dB.

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

**Power Rating:** 2 watts average, 500 watts peak to 25°C ambient temperature, de-rated linearly to 1.25 watts at 75°C and 0.5W at +125° C.

**Temperature Range:** -55°C to +125° C.

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

**Standard Nominal Values and Deviations:**

Attenuation (dB)	Accuracy ± dB
3	0.50
6	0.60
10	0.80
20, 30	1.00
40, 50, 60	2.00

**Construction:** Passivated stainless steel body and 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	1.15
4.0 - 8.0	1.20
8.0 - 12.4	1.25
12.4 - 18.0	1.35
18.0 - 26.5	1.50

**Weight:**

1-12 dB	3.9 gm/ 0.14 oz.
13-25 dB	4.3 gm/ 0.15 oz.
26-30 dB	4.9 gm/ 0.17 oz.
31-60 dB	6.5 gm/ 0.23 oz.

**Physical Dimensions:**

Attenuation (dB)	Length
1 – 12	22.35 (0.88)
13 – 25	24.38 (0.96)
26 – 30	26.92 (1.06)
31 – 60	34.54 (1.36)

**Calibrated Attenuator Set (WAS-19):** Model WA9 is also available in Calibrated Attenuator Set which includes four different attenuators (3, 6, 10, 20 dB). Refer to Attenuator Sets data sheet for specifications.

Note: Dimensions are given in mm (inches) and are ± 0.8 (0.03), unless otherwise specified.



## WEINSCHTEL ASSOCIATES

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