



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.

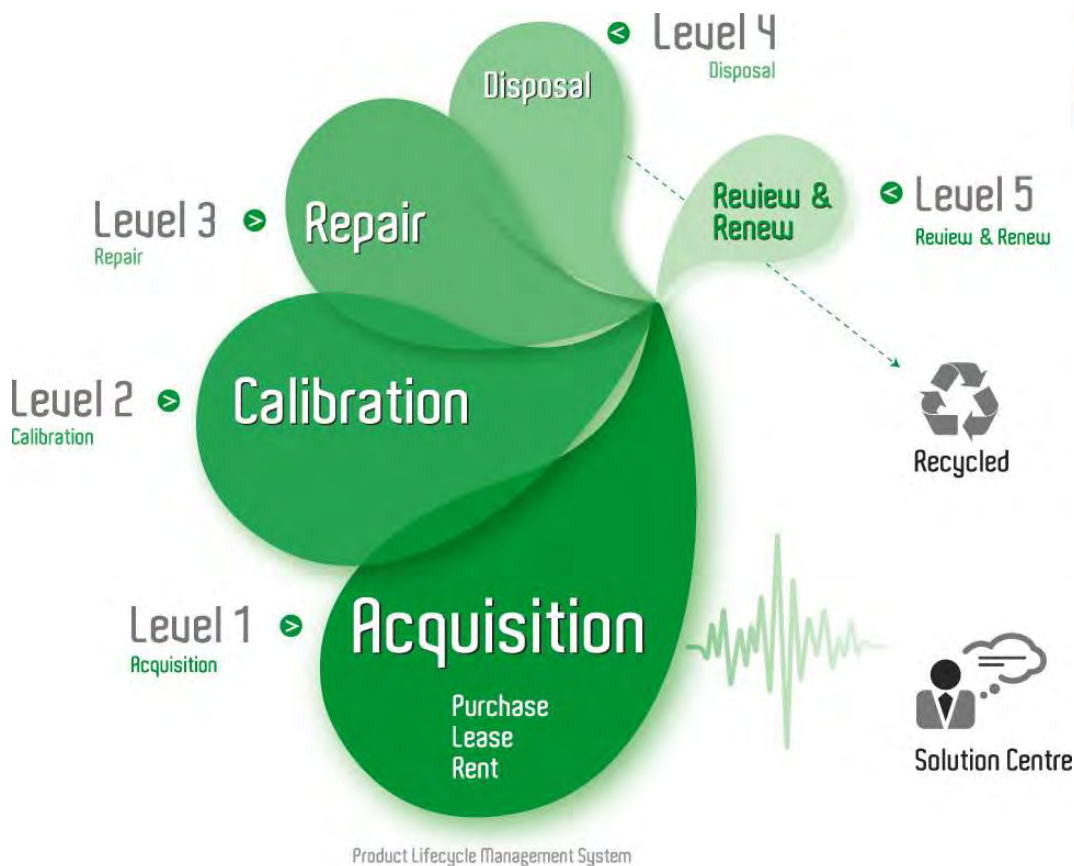
TMG will assist if you are unsure whether this model will suit your requirements.

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



Disclaimer:

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

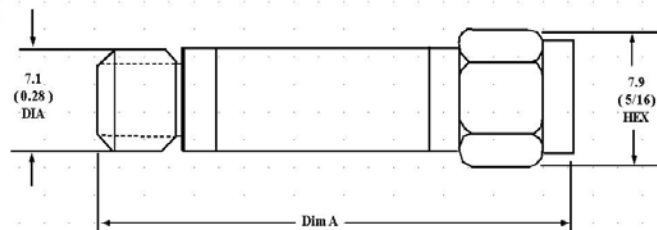


Fixed Coaxial Attenuator High Reliability

MODEL WA32

18.0 GHz

2 WATTS



Features

Type SMA; stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-C-39012. Designed to meet MIL-A-3933 environmental specification. Suitable for space & airborne applications.

Specifications

Nominal Impedance: 50 ohms

Frequency Range: 0-18.0 GHz

Nominal dB Values: 1-20 dB

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

Power Rating: 2 watts average power to 25°C ambient temperature, derated linearly to 1.25 watts at 75°C and 0.5 Watts at +125° C; 500 watts peak (5 µsec pulse width; 0.2% duty cycle).

Temperature Range: -55°C to +125° C:

Standard Nominal Values and Deviations from Nominal:

| dB | Accuracy ± dB |
|-------|---------------|
| | WA32 |
| 0 | 0.3 |
| 0.5-6 | 0.3 |
| 7-12 | 0.5 |
| 20 | 0.7 |

Temperature Coefficient: < 0.0004 dB/dB x °C

Construction: Passivated stainless steel body and connectors. Gold plated beryllium copper contacts.

Test & Calibration: These units are screened and tested according to the following procedure:

Thermal Shock Test: 10 cycles, ½ hour each, -55° C to +125° C. Attenuation is taken before and after thermal shock.

Peak Power: 500 watts, 6000 cycles, 5µsec pulse width; 0.2% duty cycle at each end. There is an allowable change of 0.05 dB to 10 dB. 0.005 dB/dB to 20 dB. If necessary, the unit may be subjected to additional peak power test to stabilize the resistive element.

Final Test: Attenuation and VSWR are performed for final electrical test. Test data is available at additional cost.

Maximum VSWR:

| GHz | VSWR |
|-----------|------|
| | WA32 |
| DC-4.0 | 1.15 |
| 4.0-8.0 | 1.20 |
| 8.0-12.4 | 1.25 |
| 12.4-18.0 | 1.35 |

Weight (Both Models):

0-12 dB 3.9 gm/ 0.14 oz.
13-20 dB 4.3 gm/ 0.15 oz.

Physical Dimensions:

| dB | Dim "A" |
|---------|--------------|
| 0 - 12 | 31.24 (1.23) |
| 13 - 20 | 33.27 (1.31) |

Note: Dimensions are given in mm (inches). Dimensions are maximum, 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

Version 1.0.1

Specification
Subject to
change without
notice