



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](http://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:

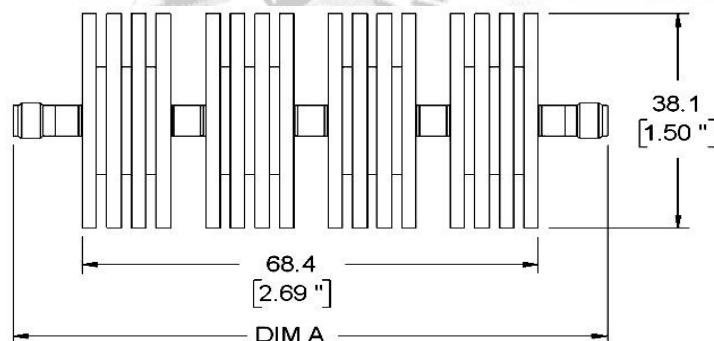
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# Fixed Coaxial Attenuator

# MODEL WA89

DC – 40.0 GHz

20 WATTS



## Features

- **Compact Construction** – Low size/power ratio.
- **Precision 2.92mm connectors.**
- **Flat Response.**

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC to 40.0 GHz.

**Nominal dB Values:** 10, 20, 30 dB.

**Power Rating:** 20 watts average to 25°C ambient temperature, derated linearly to 0 Watts @ 125°C. 200 watts peak (5 µsec pulse width; 1.25% duty cycle).

**Power Sensitivity:** <0.005 dB/dB/W.

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

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

**Standard Nominal Values and Deviations:**

Attenuation (dB)	Accuracy ± dB	
	DC – 18.0 GHz	18.0 – 40.0 GHz
10, 20, 30	1.25	+2.5 / -0.0

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

**Connectors:** 2.92mm (Male/Female) connectors – mate nondestructively with SMA per MIL-PRF-39012, 3.5mm and other 2.92mm connectors.

**Construction:** Black finned aluminum alloy body. Stainless steel connector body with gold plated beryllium copper contacts.

**Maximum VSWR:**

Frequency (GHz)	VSWR
DC – 18.0	1.25
18.0 – 40.0	1.40

**Physical Dimensions:**

**Length:**

Connector	Dimension A
2.92mm M/F	106.7 (4.2)
2.92mm M/M	109.2 (4.3)
2.92mm F/F	104.2 (4.1)

**Diameter:** 38.10 (1.50).

**Weight:** 200g (7.1oz) maximum

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