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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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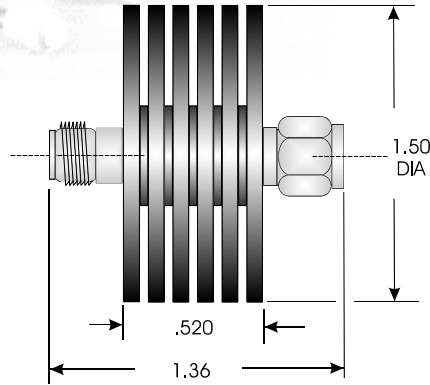


Fixed Coaxial Attenuator

MODEL WA75

DC – 40.0 GHz
Bi-directional

5 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: 3, 6, 10, 20, 30 dB.

Power Rating: 5 watts average (bi-directional) 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
3	0.50	1.00
6, 10, 20, 30	0.80	1.50

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	1.20
18.0 – 40.0	1.35

Physical Dimensions:

Length: 34.54 (1.36).

Diameter: 38.10 (1.50).

Weight: 0.06kg / 2.0 oz.

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



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