

Fixed Coaxial Attenuator

MODEL WA1 & WA2

DC – 12.4 GHz
DC – 18.0 GHz

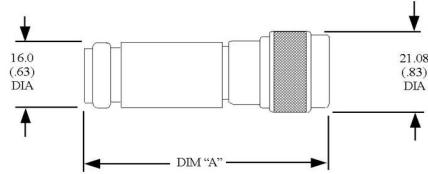
5 WATTS



Model WA1



Model WA2



Features

Type N 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: WA1: DC - 12.4 GHz.
WA2: DC - 18.0 GHz.

Nominal dB Values: 1 - 60 dB.

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

Power Rating: 5 watts average. Maximum rated average power to 25°C ambient temperature, de-rated linearly. 1 kilowatt peak (5 µsec pulse width; 0.25% duty cycle).

Temperature Range: -55°C to +125°C.

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

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.

Model WA2 is also available in a calibrated attenuator set WAS-6 (3, 6, 10 and 20dB) with certificate of calibration.

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA1	WA2
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

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	WA1	WA2
1, 2	0.4	0.5
3-9	0.3	0.3
10, 20	0.5	0.5
30, 40	0.75	1.0
50	0.75	1.25
60	1.0	1.50

Weight (Both Models):

1-30 dB .07 kg/ 2.6 oz.
31-60 dB .10 kg/ 3.6 oz.

Physical Dimensions:

Attenuation (dB)	Dim "A"
1 – 30	57.15 (2.25)
31 – 60	67.31 (2.70)

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



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