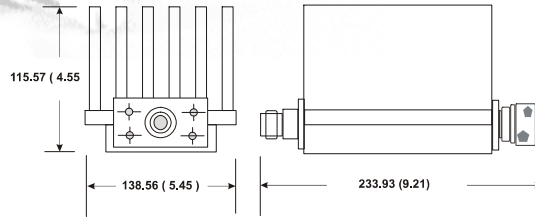


Fixed Coaxial Attenuator High Power

MODEL WA53

DC – 2.5 GHz

500 WATTS



Features

Designed to meet MIL-DTL-3933 environmental specifications. Unit may be mounted in a horizontal or vertical position. Convection cooled, full power rating without forced air cooling.

Low Intermodulation option; 10, 20, 30, and 40dB models.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC -2.5 GHz.

Nominal dB Values: 3 - 40 dB.

Power Sensitivity: < 0.0001 dB/dB/W;
Unidirectional in power.

Power Rating: 500 watts average. Maximum rated average power to from -55°C to 35°C ambient temperature, de-rated linearly to 50 watts at 125°C. 10-kilowatt peak (5 µsec pulse width; 2.5% duty cycle).

Temperature Range: -55°C to +125°C.

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

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB DC - 2.5GHz	
	WA53	WA53 LIM
3	0.50	N/A
6	1.00	N/A
10	1.00	1.20
20,30,40	0.50	1.20

Construction: Black aluminum alloy body with passivated stainless steel connectors. Gold plated beryllium copper female contacts, stainless steel male contacts.

Connectors: Type N or DIN 7/16 stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012.

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

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA53	WA53-LIM
DC – 2.5 GHz	1.10	1.15

Weight: 4.1 kg / 9.0 lbs.

Width: 139.7 (5.5)

Height: 116.9 (4.6)

Length:

Connector	Length
Type N	297 (11.7)
DIN 7/16	338 (13.3)

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



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