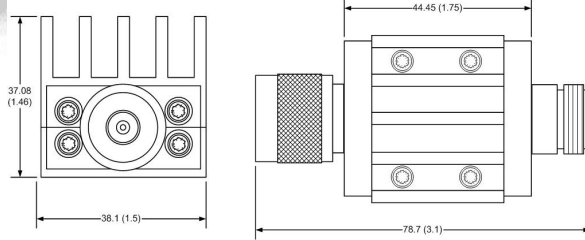
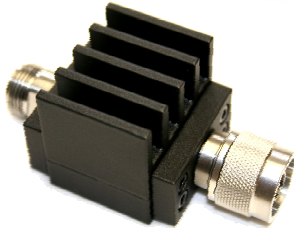


Fixed Coaxial Attenuator

MODEL WA33B

DC – 8.5 GHz

25 WATTS



Features

Designed to meet environmental requirements of MIL-DTL-3933.

- Low Intermodulation option available on 10, 20, 30, and 40dB.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 8.5 GHz.

Nominal dB Values: 3 - 40 dB.

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

Power Rating: 25 watts average to 25°C ambient temperature, de-rated linearly to 15 watts at 125°C. 5 kilowatt peak (5 µsec pulse width; 1.5% duty cycle).

Temperature Range: -55°C to +125°C.

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

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

Standard Nominal Values and Deviations:

Atten. (dB)	Accuracy ± dB			
	DC - 4.0 GHz		4.0 - 8.5 GHz	
	WA33B	WA33B-LIM	WA33B	WA33B-LIM
3,6	0.3	--	0.6	--
10,20	0.3	0.4	0.6	0.7
30	0.6	0.7	1.0	1.20
40	0.8	1.0	1.5	1.30

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

Maximum VSWR:

Frequency (GHz)	VSWR
DC – 4.0	1.20
4.0 – 8.5	1.30

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

Add -LIM after connector option for Low Intermodulation option. Example: WA33-XX-XX-LIM

Weight:

Type N .17 kg/ 6 oz.

Physical Dimensions:

Connector Type	Length
Type N	81.53 (3.21)
SMA	71.12 (2.80)

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



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