

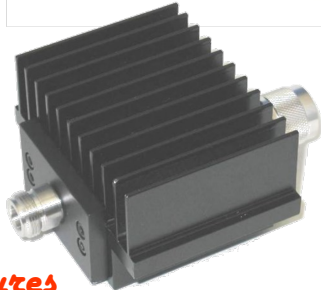
Fixed Coaxial Attenuator

WA30 & WA31

WA 30: DC - 4.0 GHz

WA 31: DC - 8.5 GHz

100 WATTS



Features

Type N, SMA, or 7/16 DIN stainless steel connectors per MIL-STD-348A, interface non-destructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification. Passive cooling, flat base with mounting holes.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA30: DC - 4.0 GHz
WA31: DC - 8.5 GHz

Nominal dB Values: 3 - 30 dB
(40 dB and 50 dB WA30 available in a unidirectional variant)

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

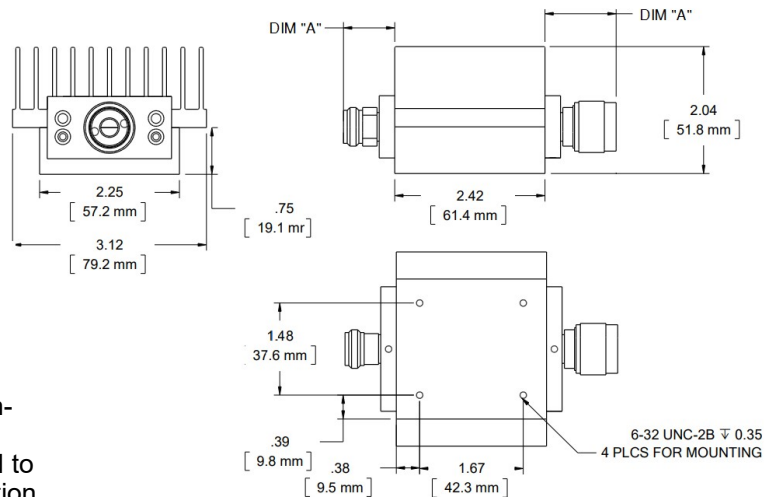
Power Rating: 100 W average to 25°C ambient temperature, de-rated linearly to 5 W at +125°C, 5 KW peak (5 µsec pulse width, 1.0% duty cycle).

Temperature Range: -55°C to +125°C.

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

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

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



Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	WA30	WA31
1 - 2	0.5	0.75
3 - 20	0.4	0.75
21 - 30	0.6	1.0
31 - 40	0.8	1.2

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA30	WA31
DC - 4.0	1.2	1.2
4.0 - 8.5	N/A	1.3

Dimensions:

Connector Type (- code)	Length
	Dimension 'A'
SMA F -01	9.8 (.39)
SMA M -02	10.9 (.43)
N-Type F -03	14.4 (.57)
N-Type M -04	17.7 (.70)
7/16 DIN F -07	30.5 (1.2)
7/16 DIN M -08	31.8 (1.25)

Weight: 0.44 (0.96)
Height: 51.8 (2.04)
Width: 79.2 (3.12)

Note: Dimensions are given in mm (in), or kg (lbs). Weight figure is nominal, with our standard connector configuration. Additional connector or options may be available.

Low Intermodulation Option: Add -LIM after connector option to specify low intermodulation.