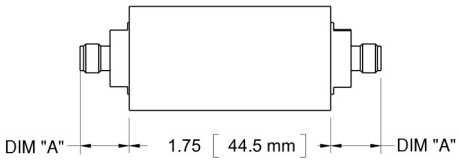
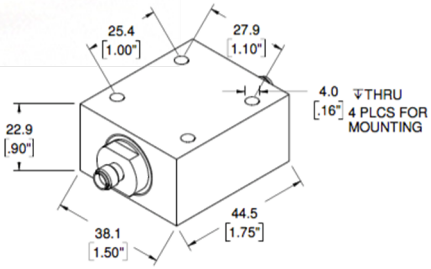
Fixed Coaxial Attenuator WA21 & WA22

WA21: DC – 4 GHz
WA22: DC – 8.5 GHz **25 WATTS**





Features

Low-profile, mountable attenuator.
Type N, TNC and SMA stainless steel connectors per MIL-STD-348A, interface non-destructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA21: DC - 4 GHz.
WA22: DC - 8.5 GHz.

Nominal dB Values: WA21: 1 - 40 dB
WA22: 1 - 30 dB

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

Power Rating: **25 W** average with case temperature held to 100°C using conductive heat sink. **5 kW** peak (5 µsec pulse width, 0.25% 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 contacts. RoHS Compliant.

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

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Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	WA21	WA22
1 - 2	0.4	0.8
3 - 20	0.3	0.6
21 - 30	0.6	1.0
31 - 40	0.8	1.5

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA21	WA22
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	14.9 (.59)
N-Type M -04	22.7 (.89)
TNC F -05	14.4 (.57)
TNC M -06	17.7 (.70)

Weight: 170 (6.0)
Height: 22.9 (0.9)
Width: 38.1 (1.5)

Note: Dimensions are given in mm (in), or g (oz). Weight figure is nominal, with our standard connector configuration.

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