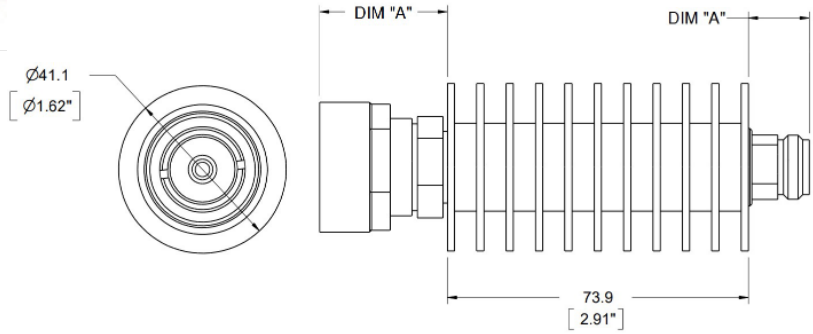
Fixed Coaxial Attenuator WA23 & WA24

WA 23: DC - 4 GHz
WA 24: DC - 8.5 GHz

50 WATTS



Features

Type N, SMA, TNC or DIN 7/16 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: WA23: DC - 4 GHz
WA24: DC - 8.5 GHz

Nominal dB Values: 1 - 40 dB
(50 dB available in a unidirectional variant)

Power Coefficient: < 0.0005 dB/dB/W; Bidirectional in power.

Power Rating: **50 W** average to 25°C ambient temperature, de-rated linearly to 5 watts at 125° C. **5 kW** peak (5 µsec pulse width, 0.5% 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.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	WA23	WA24
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
DC - 4.0	1.2
4.0 - 8.5	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)
DIN 7/16 F -07	30.5 (1.2)
DIN 7/16 M -08	31.8 (1.25)

Weight: 280 (9.88)
Diameter: 41.1 (1.62)

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

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

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Specification Subject to change without notice