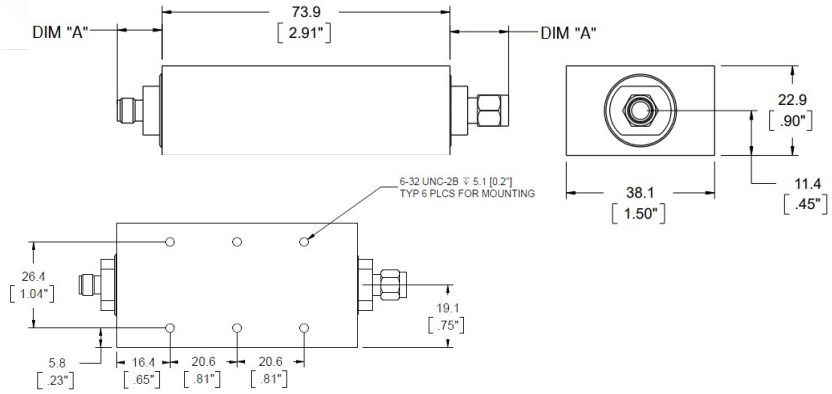
Fixed Coaxial Attenuator WA71 & WA72

WA71: DC – 4 GHz
WA72: DC – 8.5 GHz

50 WATTS



Features

Type N, SMA, or TNC stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification. Flat body with 6-32 mounting holes for conductive cooling.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA71: DC - 4 GHz.
WA72: DC - 8.5 GHz.

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

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

Power Rating: **50 W** maximum rated average power with case temperature held to +100°C using conductive heat sink. **5 kW** peak power (5 µsec pulse width, .5% duty cycle).

Temperature Range: -25°C to +100°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. Calibration test data available at additional cost.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB		
	WA71	WA72 (0 - 4 GHz)	WA72 (4 - 8.5 GHz)
1 - 40	0.4	0.4	0.75

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA71	WA72
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: .14 (4.94)
Height: 22.9 (0.90)
Width: 38.1 (1.50)

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

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Specification Subject to change without notice