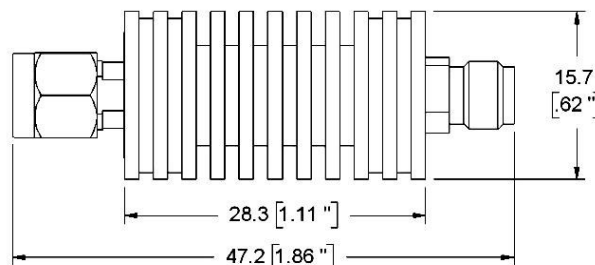


Fixed Coaxial Attenuator

WA41

WA41/6: DC – 6 GHz
WA41/12: DC – 12.4 GHz
WA41: DC – 18.0 GHz

10 WATTS



Features

Type SMA stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate non-destructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA41/6: DC - 6 GHz.
WA41/12: DC - 12.4 GHz.
WA41: DC - 18.0 GHz.

Nominal dB Values: 1 - 60 dB

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

Power Rating: 10 W average to 25°C ambient temperature, de-rated linearly to 0W at 125°C, 1 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 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
	WA41 (/6, /12)
1 - 2	0.5
3 dB	0.3
4 - 5	0.5
6 dB	0.3
7 - 19 dB	0.5
20 - 25	0.7
26 - 30	1.0
31 - 60	1.5

Maximum VSWR:

Frequency (GHz)	VSWR
	WA41 (/6, /12)
DC - 6.0	1.2
6.0 - 12.4	1.3
12.4 - 18	1.35

Dimensions and Weight:

Attenuation (dB)	WA41 (/6, /12)		
	Length	Diameter	Weight
1 - 60	47.2 (1.86)	15.7 (.62)	.03 (1.06)

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.