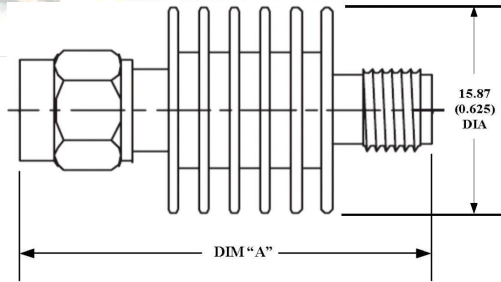


Fixed Coaxial Attenuator

WA7A

WA7A/6: DC – 6 GHz
 WA7A/12: DC – 12.4 GHz
 WA7A: DC – 18.0 GHz

5 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.

Our compact design allows for one of the lowest size to power ratios available.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA7A/6: DC - 6 GHz.
 WA7A/12: DC - 12.4 GHz.
 WA7A: DC - 18.0 GHz.

Nominal dB Values: 1 - 60 dB

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

Power Rating: 5 W average to 25°C ambient temperature, de-rated linearly to 0.5W at 125° C, 500 W 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
	All models
1 - 6	0.3
7 - 30	0.5
40	1.0
50	1.25
60	1.5

Maximum VSWR:

Frequency (GHz)	VSWR		
	WA7A/6	WA7A/12	WA7a
DC - 6.0	1.15	1.15	1.15
6.0 - 8.0	N/A	1.15	1.15
8.0 - 12.4	N/A	1.25	1.25
12.4 - 18.0	N/A	N/A	1.25

Dimensions:

Attenuation (dB)	WA7	
	Length (Dim "A")	Weight
1 - 30	30.5 (1.2)	9.3 (.33)
31 - 60	38.6 (1.52)	13 (.46)

Diameter: 15.87 (0.625)

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.