

Fixed Coaxial Attenuator

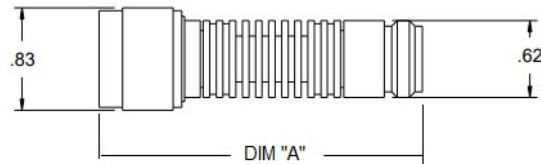
WA8

WA8/6: DC – 6 GHz

WA8/12: DC – 12.4 GHz

WA8: DC – 18.0 GHz

10 WATTS



Features

Type N 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. Unit may be mounted in any position.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA8/6: DC - 6 GHz.
WA8/12: DC - 12.4 GHz.
WA8: 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, 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 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
	WA8
1 - 2	0.5
3 - 9	0.3
10 - 20	0.5
21 - 40	1.0
50	1.25
60	1.5

Maximum VSWR:

Frequency (GHz)	VSWR		
	WA8/6	WA8/12	WA8
DC - 6.0	1.2	1.2	1.2
6.0 - 8.0	N/A	1.2	1.2
8.0 - 12.4	N/A	1.3	1.3
12.4 - 18.0	N/A	N/A	1.35

Length (Dim "A"): 67.30 (2.62)

Weight: 2.6 (0.074)

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.