

Fixed Coaxial Attenuator

WA90

DC – 18.0 GHz

50 WATTS



Features

Type N, TNC or SMA 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.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 18.0 GHz.

Nominal dB Values: Standard dB values of 3, 6, 10, 20, and 30. Custom dB values available at an additional charge

Power Coefficient: < 0.0006 dB/dB/W;
Bidirectional in power.

Power Rating: **50 W** maximum rated average power at 25°C, de-rated linearly to 5 W at 125°C. **1 kW** peak power (5 µsec pulse width, 2.5% 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. Test data available at additional cost.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB
	WA90
3	0.5
6	0.5
10	0.8
20	1.0
30	1.0
40	2.0

Maximum VSWR:

Frequency (GHz)	VSWR
	WA90
DC - 8.0	1.2
8.0 - 12.4	1.25
12.4 - 18.0	1.35

Dimensions:

Weight: 0.2 (7.1)

Diameter: 63.5 (2.5)

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.