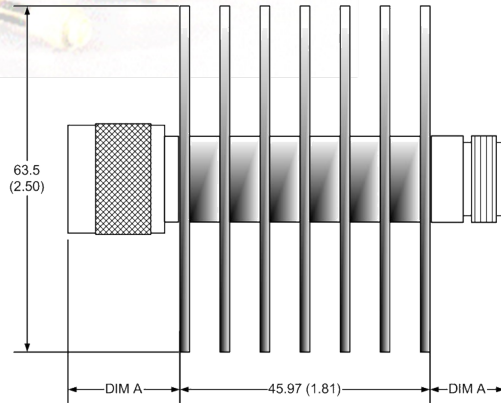


Fixed Coaxial Attenuator

WA90

WA90/12: DC – 12.4 GHz
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: WA90/12: DC - 12.4 GHz.
 WA90: DC - 18.0 GHz.

Nominal dB Values: 3 - 40 dB
 (WA90/12 available in 50 and 60 dB variants)

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. Calibration test data available at additional cost.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	WA90/12	WA90
3	0.4	0.5
6	0.6	0.5
10	0.5	0.8
20	0.75	1.0
30	1.0	1.0
40 (50, 60)	1.0	2.0

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA90/12	WA90
DC - 8.0	1.2	1.2
8.0 - 12.4	1.25	1.25
12.4 - 18.0	N/A	1.35

Dimensions:

Connector Type (- code)	Length Dimension 'A'
	SMA F -01
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: 0.2 (7.1) oz
Diameter: 63.5 (2.5) mm

Note: Dimensions are given in mm (in), or kg (oz). Weight figure is nominal, with our standard connector configuration. Addition-