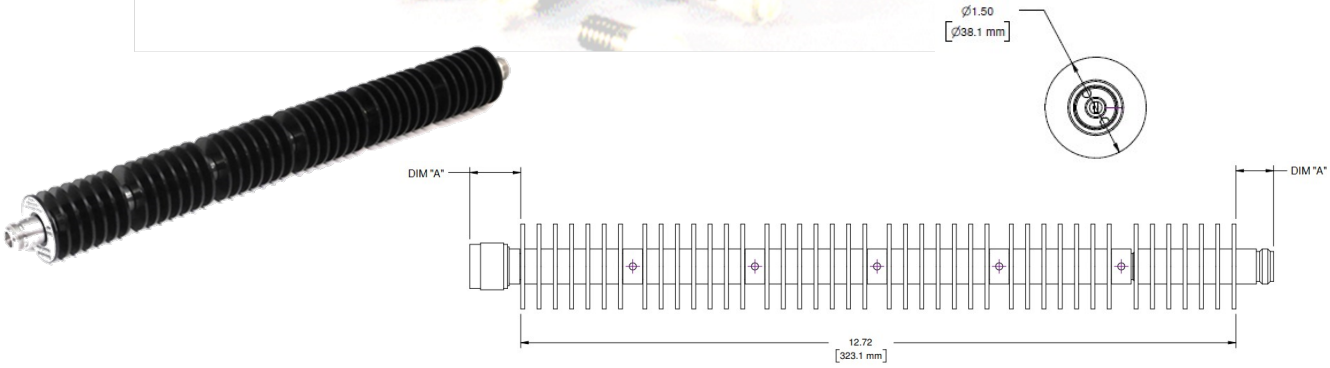
Fixed Coaxial Attenuator

WA66

WA66/12: DC - 12.4 GHz
WA66: DC - 18.0 GHz

150 WATTS



Features

Type N 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: WA66/12: DC to 12.4 GHz
WA66: DC to 18 GHz

Nominal dB Values: 10 - 40 dB

Power Coefficient: < 0.00015 dB/dB/W; Unidirectional in power.

Power Rating: **150 W** maximum average power to +25°C ambient terperature, de-rated linearly to 10 W at +125°C. **1 kW** peak (5 µsec pulse width; 7.5% 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	
	WA66/12	WA66
10	1.5	2.0
20 - 40	1.2	1.5

Maximum VSWR

Frequency (GHz)	VSWR			
	WA66/12 10 Db	WA66/12 20-40 dB	WA66 10 dB	WA66 20-40 dB
DC - 12.4	1.9	1.5	1.9	1.5
12.4 - 18	N/A	N/A	1.9	1.5

Dimensions:

Connector Type (- code)	Length Dimension 'A'
N-Type F -03	14.9 (.59)
N-Type M -04	22.7 (.89)
SMA F -01	9.8 (.39)
SMA M -02	10.9 (.43)

Weight: 0.51 (18.0)
Diameter: 38.1 (1.5)

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.