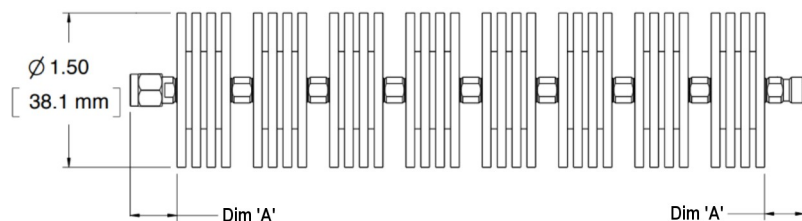


Fixed Coaxial Attenuator

WA88

DC – 40 GHz

50 WATTS



Features

Precision 2.92 mm 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. Compact construction meets a wide range of design requirements.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC to 40.0 GHz.

Nominal dB Values: 3, 6, 20, 30, 40 dB

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

Power Rating: 50 W maximum average rated power to 25°C ambient temperature, de-rated linearly to 0 W at 100°C. 200 W peak power (5 µsec pulse width, 10% duty cycle).

Temperature Range: -55°C to +100°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	
	DC to 18 GHz	18 to 40 GHz
3	1.0	+3.0/-0.0
6	1.5	+3.5/-0.0
20, 30, 40	2.5	3.5

Maximum VSWR:

Frequency (GHz)	VSWR
	WA88
DC - 18.0	1.3
18.0 - 40.0	1.6

Dimensions:

Connector Type (- code)	Length Dimension 'A'
2.92mm F -13	10.6 (.42)
2.92mm M -14	11.5 (.45)

Weight: 0.26 (9.17)
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.