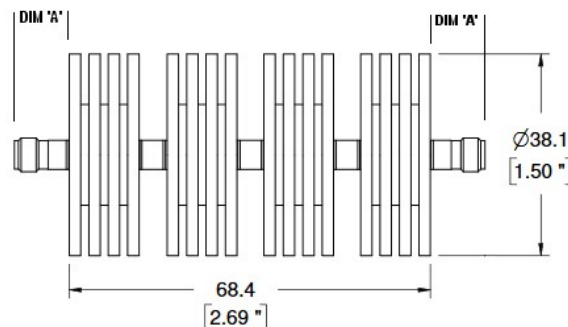


Fixed Coaxial Attenuator

WA89

DC – 40 GHz

20 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, 10 - 30 dB

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

Power Rating: **20 W** maximum average rated power to 25°C ambient temperature, de-rated linearly to 0 W at 125°C. **200 W** peak power (5 µsec pulse width, 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	
	DC to 18 GHz	18 to 40 GHz
3, 10 - 30	1.25	+2.5/-0.0

Maximum VSWR:

Frequency (GHz)	VSWR	
	3dB	10-30dB
DC - 18.0	1.25	1.25
18.0 - 40.0	1.5	1.4

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

Dimensions:

Weight: 0.2 (7.1)

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.