

Fixed Coaxial Attenuator 2.92 mm Connectors

MODEL WA54

DC – 40.0 GHz

2 WATTS



Features

Designed to meet MIL-DTL-3933 environmental specifications.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 40.0 GHz.

Nominal dB Values: 3 - 30 dB.

Power Sensitivity: < 0.01 dB/dB/W;
Bidirectional in power.

Power Rating: 2 watts average, 200 watts peak to 25°C ambient temperature, derated linearly to 0.1 watts at 100°C.

Connectors: Type 2.92 mm stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012 connectors. Designed to meet MIL-DTL-3933 environmental specifications.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	DC - 26.5	26.5 - 40.0
3, 6	0.50	1.00
10, 20	1.00	1.00
30	2.00	2.00

Temperature Range: -55°C to +100°C.

Temperature Coefficient: < 0.001 dB/dB/°C

Construction: Passivated stainless steel body and connectors. Gold plated beryllium copper female contacts.

Calibration: Insertion Loss and VSWR performed across frequency range. Calibration test data available at additional cost.

Maximum VSWR:

Frequency (GHz)	VSWR
DC - 26.5	1.25
26.5 - 40.0	1.45

Physical Dimensions:

Connector Option	Dim "A"
54-XX-12 (F/M)	36.07 (1.42)
54-XX-11 (F/F)	34.80 (1.37)
54-XX-22 (M/M)	37.34 (1.47)

Note: Dimensions are given in mm (inches) and are maximum unless otherwise specified.



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50

Specification
Subject to change
without notice