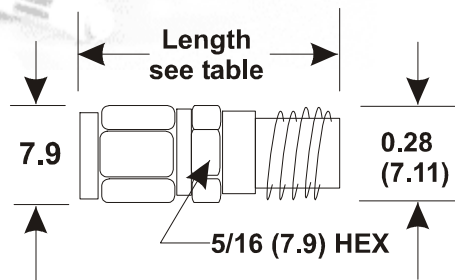


Fixed Coaxial Attenuator

MODEL WA9

DC – 26.5 GHz

2 WATTS



Features

Type 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. **Usable to 30 GHz.**

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 26.5 GHz.

Nominal dB Values: 1 - 60 dB.

Power Sensitivity: < 0.005 dB/dB/W;
Bidirectional in power.

Power Rating: 2 watts average, 500 watts peak to 25°C ambient temperature, de-rated linearly to 1.25 watts at 75°C and 0.5W at +125° C.

Temperature Range: -55°C to +125° C.

Temperature Coefficient: < 0.0004 dB/dB/°C.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB
3	0.50
6	0.60
10	0.80
20, 30	1.00
40, 50, 60	2.00

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

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

Maximum VSWR:

Frequency (GHz)	VSWR
DC - 4.0	1.15
4.0 - 8.0	1.20
8.0 - 12.4	1.25
12.4 - 18.0	1.35
18.0 - 26.5	1.50

Weight:

1-12 dB	3.9 gm/ 0.14 oz.
13-25 dB	4.3 gm/ 0.15 oz.
26-30 dB	4.9 gm/ 0.17 oz.
31-60 dB	6.5 gm/ 0.23 oz.

Physical Dimensions:

Attenuation (dB)	Length
1 – 12	22.35 (0.88)
13 – 25	24.38 (0.96)
26 – 30	26.92 (1.06)
31 – 60	34.54 (1.36)

Calibrated Attenuator Set (WAS-19): Model WA9 is also available in Calibrated Attenuator Set which includes four different attenuators (3, 6, 10, 20 dB). Refer to Attenuator Sets data sheet for specifications.

Note: Dimensions are given in mm (inches) and are ± 0.8 (0.03), unless otherwise specified.



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