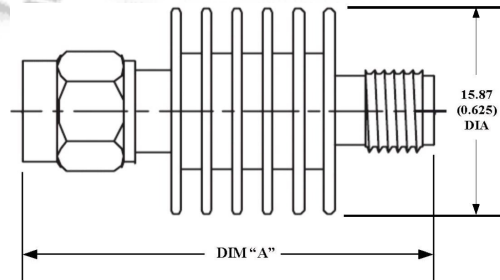


Fixed Coaxial Attenuator

MODEL WA7

DC – 18.0 GHz

5 WATTS



Features

Stainless steel M/F, M/M, F/F SMA connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Compact design for one of the lowest size/power ratios available. Designed to meet MIL-DTL-3933 environmental specification. Unit may be mounted in any position.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 18.0 GHz.

Nominal dB Values: 1- 60 dB.

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

Power Rating: 5 watts average. Maximum rated average power to 25°C ambient temperature, de-rated linearly to 0.5 watts at 125°C. 1 kilowatt peak (5 µsec pulse width; 0.05% duty cycle).

Temperature Range: -55°C to +125°C.

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

Standard Nominal Values and Deviations:

Attenuation(dB)	Accuracy ± dB
1,2,10,20	0.5
3 - 9	0.3
30, 40	1.0
50	1.25
60	1.5

Construction: Black aluminum alloy body with passivated stainless steel 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	1.40

Weight:

1 – 30 dB 11 g (0.36 oz).
31 – 60 dB 18 g (0.41 oz).

Physical Dimensions:

Attenuation (dB)	Dim A
1 - 30	30.5 ± 1.3 (1.20 ± .05)
31 - 60	38.1 ± 1.3 (1.50 ± .05)

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



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Specification
Subject to change
without notice