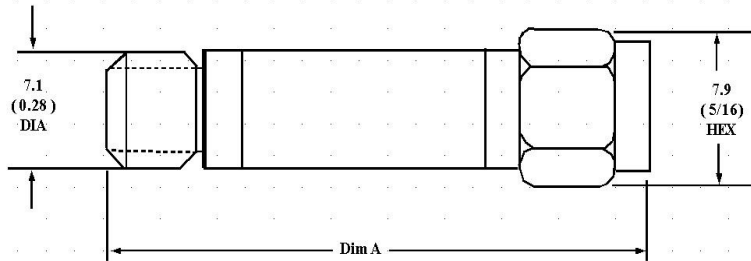


Fixed Coaxial Attenuator MODEL WA3 & WA4

DC – 12.4 GHz
DC – 18.0 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.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA3: DC - 12.4 GHz.
WA4: DC - 18.0 GHz.

Nominal dB Values: 1 - 60 dB.

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

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

Temperature Range: -55°C to +125°C.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	WA3	WA4
1 - 6	0.3	0.3
7 - 12	0.3	0.5
20	0.5	0.7
30, 40	0.75	1.0
50, 60	1.00	1.50

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

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	
	WA3	WA4
DC - 4.0	1.15	1.15
4.0 - 8.0	1.20	1.20
8.0 - 12.4	1.25	1.25
12.4 - 18.0	N/A	1.35

Weight (Both Models):

1-12 dB	3.9 gm/ 0.14 oz.
13-20 dB	4.3 gm/ 0.15 oz.
21-30 dB	4.9 gm/ 0.17 oz.
31-60 dB	6.5 gm/ 0.23 oz.

Physical Dimensions:

Attenuation (dB)	Dim "A"
1 - 12	31.24 (1.23)
13 - 20	33.27 (1.31)
21 - 30	35.31 (1.41)
31 - 60	43.43 (1.71)

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



WEINSCHEL ASSOCIATES

TEL: 877.948.8342 / 301.963.4630 ♦ Fax: 301.963.8640

WEB: <http://www.WeinschelAssociates.com>

EMAIL: sales@WeinschelAssociates.com

10

Specification
Subject to change
without notice