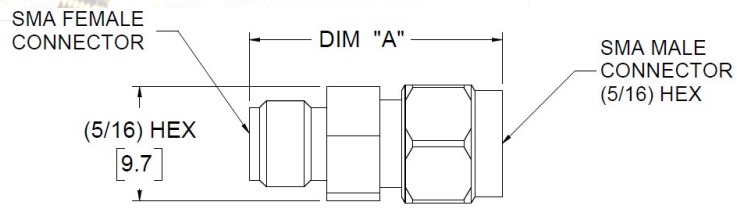
Fixed Coaxial Attenuator WA3CH & WA4CH

WA3CH/6: DC – 6 GHz
WA3CH: DC – 12.4 GHz
WA4CH: DC – 18.0 GHz

2 WATTS



Features

Hex body variant of our most compact 2W model.

Type SMA stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate non-destructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA3CH/6: DC - 6 GHz.
WA3CH: DC - 12.4 GHz.
WA4CH: DC - 18.0 GHz.

Nominal dB Values: 1 - 30 dB

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

Power Rating: **2 W** average to 25°C ambient temperature, de-rated linearly to 1.25 watts at 75°C and 0.5W at 125° C, **250 W** peak (5µsec pulse width, 0.4% duty cycle).

Temperature Range: -55°C to +125°C.

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

Construction: Passivated stainless steel body and connectors, gold plated beryllium copper female and male 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	
	WA3CH(/6)	WA4CH
0 - 6	0.3	0.3
7 - 20	0.5	0.5
21 - 30	0.75	0.75

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA3CH(/6)	WA4CH
DC - 4.0	1.15	1.15
4.0 - 8.0	1.2	1.2
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 - 30 dB	4.3 gm/ 0.15 oz.

Dimensions:

Attenuation (dB)	Dim "A"
1 – 12	19.3 (0.76)
13 – 30	22.6 (0.89)

Note: Dimensions are given in mm (in), or g (oz). Weight figure is nominal, with our standard connector configuration. Additional connector options may be available.