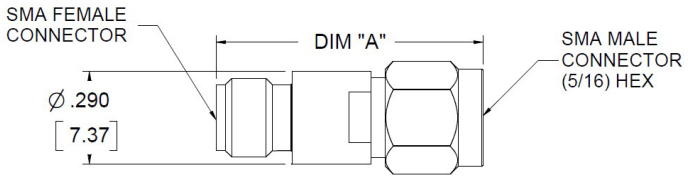
Fixed Coaxial Attenuator WA3T & WA4T

WA3T/6: DC – 6 GHz
WA3T: DC – 12.4 GHz
WA4T: DC – 18.0 GHz

2 WATTS



Features

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: WA3T/6: DC - 6 GHz.
WA3T: DC - 12.4 GHz.
WA4T: DC - 18.0 GHz.

Nominal dB Values: 1 - 60 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, **500 W** peak (5µsec pulse width, 0.2% 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 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	
	WA3T(/6)	WA4T
0 - 12	0.3	0.5
13 - 20	0.5	0.7
21 - 40	0.75	1.0
41 - 60	1.0	1.5

Maximum VSWR:

Frequency (GHz)	VSWR	
	WA3T(/6)	WA4T
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

Dimensions:

Attenuation (dB)	All Models	
	Length (Dim "A")	Weight
1 - 12	22.4 (.88)	4.0 (.14)
13 - 20	24.4 (.96)	4.5 (.16)
21 - 30	26.9 (1.06)	5.0 (.18)
31 - 60	34.5 (1.36)	6.5 (.23)

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.

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Specification Subject to change without notice