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TECHNOLOGY GROUP

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Artisan Technology Group
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PRECISION ATTENUATOR SET

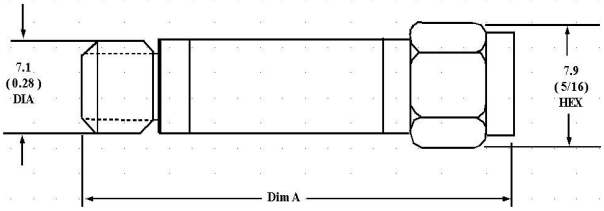
1 Each WA4-3, WA4-6, WA4-10, WA4-20

WAS4

DC – 18.0 GHz

2 WATTS





Features

The model WAS4 comes complete with Certificate of Calibration and hardwood protective case for storing your attenuators. The WAS4 consists of 4 calibrated model WA4 attenuators, 3, 6, 10, and 20 dB. The following data for each attenuator are provided.

3 DC resistance values and insertion loss every 1.0 GHz from DC through 18.0 GHz.

✪ R.F Calibration Option -890: 100, 500, 1,000 and every 500 MHz to 26,500; 26,500 to 40,000 every 250 MHz.

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: DC - 18.0 GHz.

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 (5 µsec pulse width, 0.2% duty cycle).

Temperature Range: -55°C to +125°C.

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

Maximum Deviation From Nominal Value (including frequency sensitivity):

Attenuation (dB)	Accuracy ± dB
	WA4
3, 6	0.3
10	0.5
20	0.7

Maximum VSWR:

Frequency (GHz)	VSWR
	WA4
DC - 4.0	1.15
4.0 - 8.0	1.20
8.0 - 12.4	1.25
12.4 - 18.0	1.35

Individual Dimensions:

Attenuation (dB)	WA4	
	Length (Dim "A")	Weight
3, 6, 10	31.2 (1.23)	3.9 (.14)
20	33.3 (1.31)	4.3 (.15)

Body Diameter: 7.1 (2.8)

Case Dimensions: 5 ½ in. (139.7 mm) long x 4 7/8 in. (123.8 mm) wide x 2 3/8 in. (60.3 mm) high.

Weight: Net 1 lb., 4 oz. (0.56 kg); Shipping weight, 2 lbs. 8 oz. (1.14 kg)

Construction: Passivated stainless steel body and connectors. Gold plated beryllium copper contacts, stainless steel male contacts. RoHS Compliant

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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