

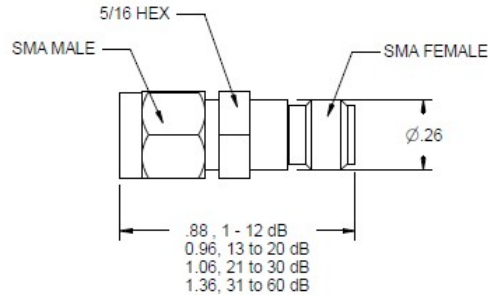
PRECISION ATTENUATOR SET

1 Each WA9-3, WA9-6, WA9-10, WA9-20

WAS19

DC - 26.5 GHz

2 WATTS



Features

The model WAS19 comes complete with Certificate of Calibration and hardwood protective case for storing your attenuators. The WAS19 consists of 4 calibrated model WA9 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 26.0 GHz.

✪ R.F Calibration Option -890 (42 frequencies) 100, 500, 1,000 and every 500 MHz to 16,000; 16,000 to 18,000 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 - 26.5 GHz.

Nominal dB Values: 0 - 60 dB

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

Power Rating: **2W** average to 25°C ambient temperature, de-rated linearly to 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

Attenuation (dB)	Accuracy ± dB
3	0.50
6	0.60
10	0.80
20	1.00

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	1.35
18.0 - 26.5	1.50

Individual Dimensions:

Attenuation (dB)	WA9	
	Length	Weight
3, 6, 10	22.4 (.88)	3.9 (.14)
20	24.4 (.96)	4.3 (.15)

Body Diameter: 6.6 (.26)

Case Dimensions: 5 1/2 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.

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.