

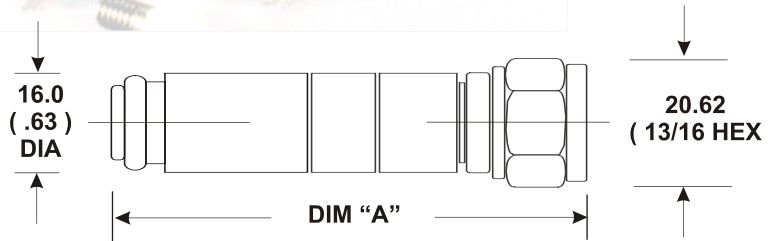
PRECISION ATTENUATOR SET

WAS18

1 Each WA44-1, WA44-3, WA44-6, WA44-10, WA44-20, WA44-30

DC – 18 GHz

5 WATTS



Features

The model WAS18 comes complete with Certificate of Calibration and protective case for storing your attenuators. The WAS18 consists of 6 calibrated model WA44 attenuators at 1, 3, 6, 10, 20, and 30 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 (42 frequencies) 100, 500, 1,000 and every 500 MHz to 16,000; 16,000 to 18,000 every 250 MHz.

Type N-type stainless steel M/F connectors per MIL-STD-348B, 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 GHz.

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

Power Rating: **5W** average to 25°C ambient temperature, de-rated linearly to 0W at 125°C, **1kW** peak (5 µsec pulse width, 0.25% 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
	WA44
1, 3, 6	0.30
10, 20	0.50
30	1.00

Maximum VSWR:

Frequency (GHz)	VSWR
	WA44
DC - 4.0	1.15
4.0 - 12.4	1.20
12.4 - 18.0	1.25

Individual Dimensions:

Length (Dim "A"):	74.4 (2.93)
Diameter:	16.0 (.63)
Weight:	0.10 (3.5)

Case Dimensions: 10 ¾ in. (273 mm) long x 8 ½ in. (215.9 mm) wide x 2 ½ in. (63.5 mm) high.

Weight: Net 2 lb., 8 oz. (1.12 kg); Shipping weight, 3 lbs. (1.36 kg)

Construction: Passivated stainless steel body and connectors. Gold plated beryllium copper or stainless steel 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.