

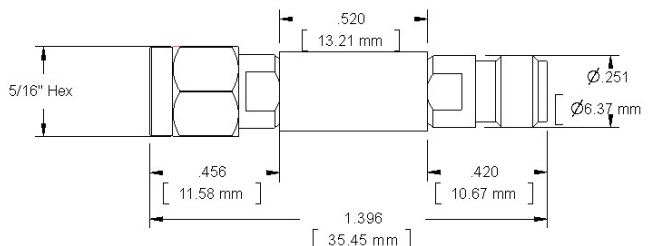
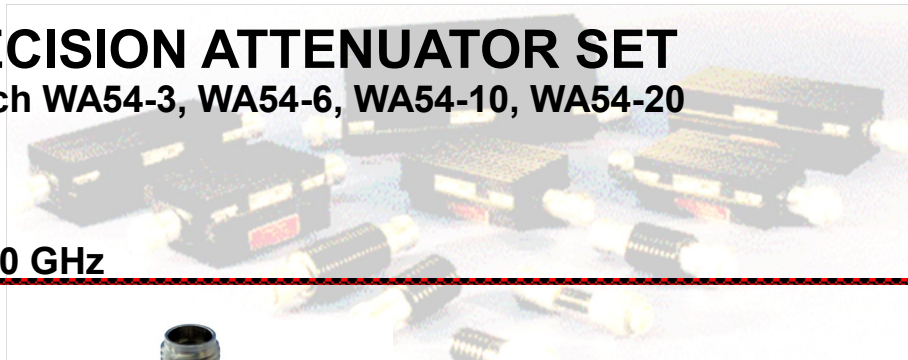
# PRECISION ATTENUATOR SET

1 Each WA54-3, WA54-6, WA54-10, WA54-20

# WAS54

DC - 40 GHz

2 WATTS



## Features

The model WAS54 comes complete with Certificate of Calibration and hardwood protective case for storing your attenuators. The WAS54 consists of 4 calibrated model WA54 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 40.0 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.

Precision 2.92mm stainless steel M/F connectors per MIS-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 - 40 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 0.1W at 100° C, **200 W** peak (5 µsec pulse width, 0.5% duty cycle).

**Temperature Range:** -55°C to +100°C.

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

## Maximum Deviation From Nominal Value:

Attenuation (dB)	Accuracy ± dB	
	DC to 26.5	26.5 to 40.0
3, 6	0.5	1.0
10, 20	1.0	1.0

## Maximum VSWR:

Frequency (GHz)	VSWR
DC - 26.5	1.25
26.5 - 40.0	1.45

## Individual Dimensions:

Length: 36.0 (1.42)  
 Body Diameter: 7.1 (.28)  
 Weight: .008 (.28)

**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. 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.*