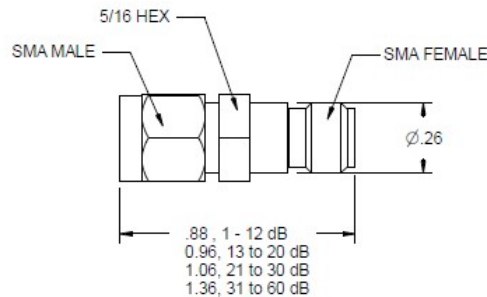


# Fixed Coaxial Attenuator

# WA9

DC - 26.5 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.

Usable to 30 GHz.

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC - 26.5 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 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.

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

**Calibration:** Insertion Loss and VSWR performed across frequency range. Calibration test data available at additional cost.

**Calibrated Attenuator Set (WAS-19):** Model WA9 is also available in a Calibrated Attenuator Set (3, 6, 10, and 20 dB). Refer to Attenuator Set data sheets for specifications.

## Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB
1 - 3	0.5
4 - 6	0.6
7 - 10	0.8
11 - 30	1.0
40, 50, 60	2.0

## Maximum VSWR:

Frequency (GHz)	VSWR
DC - 4.0	1.15
4.0 - 8.0	1.2
8.0 - 12.4	1.25
12.4 - 18.0	1.35
18.0 - 26.5	1.5

## Dimensions:

Attenuation (dB)	All Models	
	Length	Weight
1 - 12	22.4 (.88)	3.9 (.14)
13 - 20	24.4 (.96)	4.3 (.15)
21 - 30	27.0 (1.06)	4.9 (.17)
31 - 60	34.6 (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.