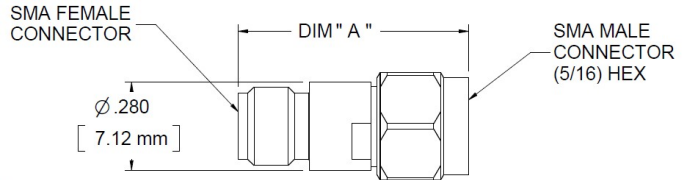


# Fixed Coaxial Attenuator

# WA3C & WA4C

**WA3C/6:** DC – 6 GHz  
**WA3C:** DC – 12.4 GHz  
**WA4C:** DC – 18.0 GHz

**2 WATTS**



## Features

SMA stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification.

*Our most compact 2W model.*

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** WA3C/6: DC - 6 GHz.  
WA3C: DC - 12.4 GHz.  
WA4C: DC - 18.0 GHz.

**Nominal dB Values:** 1 - 30 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 1.25 watts at 75°C and 0.5W at 125°C, **250 W** peak (5µsec pulse width, 0.4% 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.

## Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	WA3C(/6)	WA4C
0 - 6	0.3	0.3
7 - 20	0.5	0.5
21 - 30	0.75	0.75

## Maximum VSWR:

Frequency (GHz)	VSWR	
	WA3C(/6)	WA4C
DC - 4.0	1.15	1.15
4.0 - 8.0	1.2	1.2
8.0 - 12.4	1.25	1.25
12.4 - 18.0	N/A	1.35

## Weight (Both Models):

1 - 12 dB	3.9 (0.14)
13 - 30 dB	4.3 (0.15)

## Dimensions:

Attenuation (dB)	Dim "A"
1 - 12	19.3 (0.76)
13 - 30	22.6 (0.89)

**Diameter:** 7.1 (0.28).

*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.*