

# Fixed Coaxial Attenuator

# WA26 & WA27

WA 26: DC - 4.0 GHz  
WA 27: DC - 8.5 GHz

100 WATTS



## Features

Type N, SMA, TNC, or 7/16 DIN stainless steel connectors per MIL-STD-348A, interface non-destructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification.

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** WA26: DC - 4.0 GHz  
WA27: DC - 8.5 GHz

**Nominal dB Values:** 3 - 40 dB

**Power Coefficient:** < 0.005 dB/dB/W;  
Bidirectional in power. (40 dB unidirectional in power)

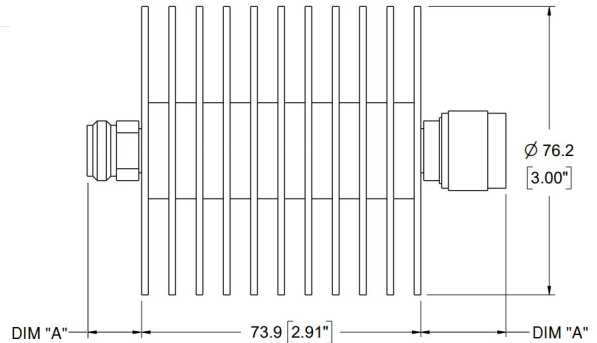
**Power Rating:** 100 W average to 25°C ambient temperature, de-rated linearly to 2.5 watts at 125° C, 5 KW peak (5µsec pulse width, 1% duty cycle).

**Temperature Range:** -55°C to +125°C.

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

**Construction:** Black aluminum alloy body with passivated stainless steel connectors. Gold plated beryllium copper or stainless steel 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
3 - 20	0.75
21 - 30	1.0

## Maximum VSWR:

Frequency (GHz)	VSWR
DC - 4.0	1.25
4.0 - 8.5	1.35

## Dimensions:

Connector Type (- code)	Length
	Dimension 'A'
SMA F -01	9.8 (.39)
SMA M -02	10.9 (.43)
N-Type F -03	14.9 (.59)
N-Type M -04	22.7 (.89)
TNC F -05	14.4 (.57)
TNC M -06	17.7 (.70)
7/16 DIN F -07	30.5 (1.2)
7/16 DIN M -08	31.8 (1.25)

**Weight:** .55kg (19.2)  
**Diameter:** 76.2 (3.0)

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.