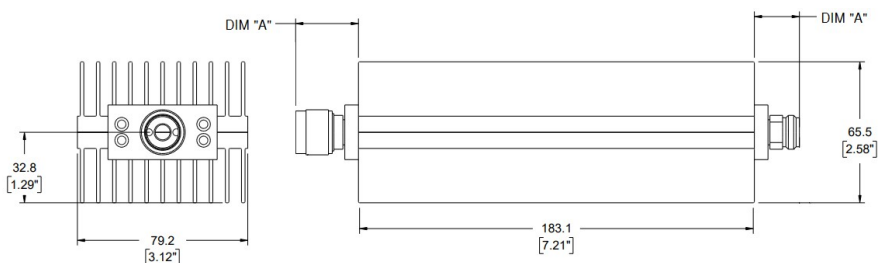


# Fixed Coaxial Attenuator

# WA45

**WA45: DC – 2.5 GHz**  
**WA45/3: DC – 3 GHz**

**250 WATTS**



## Features

Type N 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:** WA45: DC - 2.5 GHz.  
WA45/3: DC - 3.0 GHz.

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

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

**Power Rating:** **250 W** maximum average rated power to 25°C ambient temperature, de-rated linearly to 25 W at 125°C. **10 kW** peak power (5 usec pulse width, 1.25% 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	
	WA45	WA45/3
3 - 40	0.5	0.7

## Maximum VSWR:

Frequency (GHz)	VSWR	
	WA45	WA45/3
DC - 3.0	1.1	1.15

## Dimensions:

Connector Type (- code)	Length
	Dimension 'A'
N-Type F -03	14.9 (.59)
N-Type M -04	10.9 (.43)
DIN 7/16 F -07	30.5 (1.2)
DIN 7/16 M -08	31.8 (1.25)

**Weight:** 1.3 (45.9)  
**Height:** 51.8 (2.04)  
**Width:** 79.2 (3.12)

*Note: Dimensions are given in mm (in), or kg (oz). Weight figure is nominal, with our standard connector configuration. Additional connector options may be available.*

**Low Intermodulation Option:** Add -LIM after connector option to specify low intermodulation.