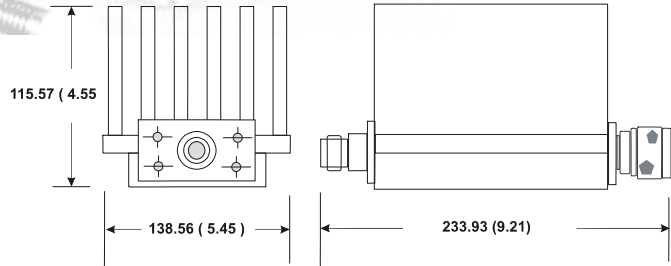


# Fixed Coaxial Attenuator High Power

# MODEL WA51

DC – 8.5 GHz

500 WATTS



## Features

Type N or DIN 7/16 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.

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC - 8.5 GHz.

**Nominal dB Values:** 10 - 40 dB.

**Power Sensitivity:** < 0.0001 dB/dB/W;  
Unidirectional in power.

**Power Rating:** 500 watt CW/ 5KW peak. Maximum rated average power to 25°C ambient temperature, derated linearly to 25 watts at 125°C. 5 kilowatt peak (5 µsec pulse width; 1.5% duty cycle).

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

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

### Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB
	DC - 8.5 GHz
10,20,30	0.75
40	1.0

**Construction:** Black aluminum alloy body with passivated stainless steel connectors. Gold plated beryllium copper contacts.

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

### Maximum VSWR:

Frequency (GHz)	VSWR
DC - 4.0	1.25
4.0 – 8.5	1.45

**Weight:** 4.1 kg / 9.0 lbs.

**Width:** 139.7 (5.5)

**Height:** 116.9 (4.6)

### Length:

Connector	Length
Type N	297 (11.7)
DIN 7/16	338 (13.3)

Note: Dimensions are given in mm (inches) and are maximum ± .05 in., unless otherwise specified.



## WEINSCHTEL ASSOCIATES

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Specification  
Subject to change  
without notice