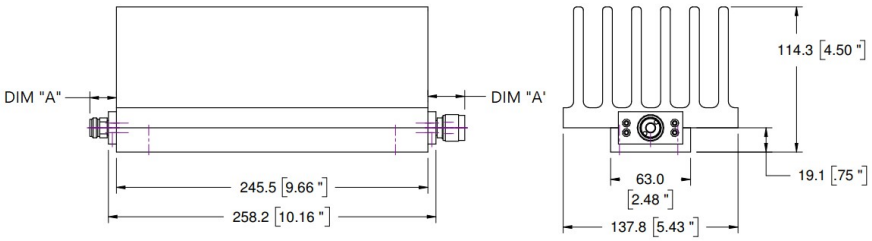
# Fixed Coaxial Attenuator WA53

## DC – 3.0 GHz 500 WATTS




## Features

Type N, DIN 7/16 and 4.3-10 stainless steel Male/Female connectors per MIL-STD-348A. Type N connector interface dimensions mate nondestructively with MIL-PRF-39012. DIN 7/16 connector conforms to DIN 47223, IEC 169-4, VG 95250, CECC 22190. 4.3-10 connectors mate non-destructively with DIN EN 61169-54 and IEC 61169-54 interfaces. Designed to meet MIL-DTL-3933 environmental specification.

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC to 3.0 GHz

**Nominal dB Values:** 3 – 40 dB

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

**Power Rating:** **500 W** maximum average rated power to 25°C ambient temperature, derated linearly to 50 W at 125°C. **10 kW** peak power (5 µsec pulse width, 2.5% 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.

**Standard Nominal Values and Deviations:**

| Attenuation (dB) | Accuracy ± dB |
|---|---|
| | WA53 |
| 3 - 40 | 1.0 |

**Maximum VSWR:**

| Frequency (GHz) | VSWR |
|---|---|
| | WA53 |
| DC - 3.0 | 1.1 |

**Dimensions:**

| Connector Type (- code) | Length |
|---|---|
| | Dimension 'A' |
| N-Type F -03 | 14.9 (.57) |
| N-Type M -04 | 22.7 (.89) |
| DIN 7/16 F -07 | 30.5 (1.2) |
| DIN 7/16 M -08 | 31.8 (1.25) |

**Weight:** 4.1 (144.6)
**Height:** 114.3 (4.5)
**Width:** 137.8 (5.43)

*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.*

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

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


WEINSCHEL ASSOCIATES
TEL: 877.948.8342 / 301.963.4630 ♦ Fax: 301.963.8640
WEB: http://www.WeinschelAssociates.com
EMAIL: sales@WeinschelAssociates.com