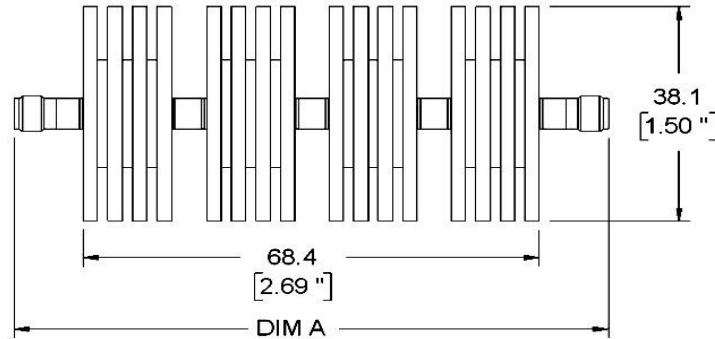


# Fixed Coaxial Attenuator

# MODEL WA89

DC – 40.0 GHz

20 WATTS



## Features

- ▶ **Compact Construction** – Low size/power ratio.
- ▶ **Precision 2.92mm connectors.**
- ▶ **Flat Response.**

## Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC to 40.0 GHz.

**Nominal dB Values:** 10, 20, 30 dB.

**Power Rating:** 20 watts average to 25°C ambient temperature, derated linearly to 0 Watts @ 125°C. 200 watts peak (5 µsec pulse width; 1.25% duty cycle).

**Power Sensitivity:** <0.005 dB/dB/W.

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

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

**Standard Nominal Values and Deviations:**

Attenuation (dB)	Accuracy ± dB	
	DC – 18.0 GHz	18.0 – 40.0 GHz
10, 20, 30	1.25	+2.5 / -0.0

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

**Connectors:** 2.92mm (Male/Female) connectors – mate nondestructively with SMA per MIL-PRF-39012, 3.5mm and other 2.92mm connectors.

**Construction:** Black finned aluminum alloy body. Stainless steel connector body with gold plated beryllium copper contacts.

**Maximum VSWR:**

Frequency (GHz)	VSWR
DC – 18.0	1.25
18.0 – 40.0	1.40

**Physical Dimensions:**

**Length:**

Connector	Dimension A
2.92mm M/F	106.7 (4.2)
2.92mm M/M	109.2 (4.3)
2.92mm F/F	104.2 (4.1)

**Diameter:** 38.10 (1.50).

**Weight:** 200g (7.1oz) maximum

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



## WEINSCHEL ASSOCIATES

TEL: 877.948.8342 / 301.963.4630 ♦ Fax: 301.963.8640

WEB: <http://www.WeinschelAssociates.com>

EMAIL: [sales@WeinschelAssociates.com](mailto:sales@WeinschelAssociates.com)