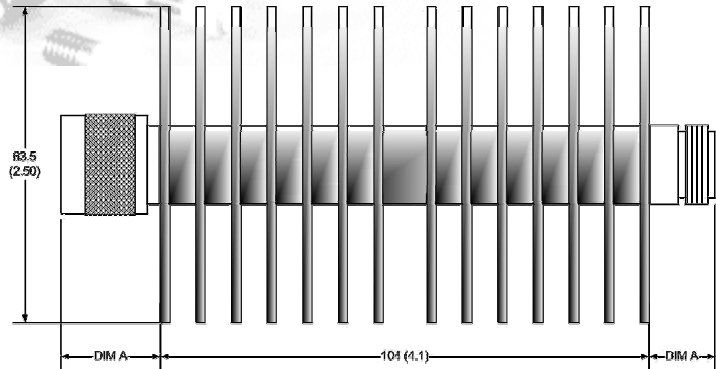


Fixed Coaxial Attenuator High Power - High Frequency

MODEL WA91

DC – 18.0 GHz

100 WATTS



Features

High power combined with high frequency response to cover a wide range of design requirements. Designed to meet MIL-DTL-3933 environmental specifications.

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC -18.0 GHz.

Nominal dB Values: 10 - 40 dB.

Power Sensitivity: < 0.005 dB/dB/W.

Power Rating: 100W CW/ 1 KW peak to 25°C ambient temperature, derated linearly to 10 watts at 125°C, 1 kilowatt peak (5 µsec pulse width; 2.5% duty cycle). Unidirectional in power.

Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB
	DC – 18.0 GHz
10	0.75
20	1.00
30, 40	1.20

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

Temperature Range: -55°C to +125°C.

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

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

Connectors: Type N or SMA stainless steel M/F connectors per MIL-STD-348A, interface dimensions mate nondestructively with MIL-PRF-39012.

Maximum VSWR:

Frequency (GHz)	VSWR
DC – 8.0	1.20
8.0 – 12.4	1.25
12.4 – 18.0	1.35

Weight:

Type N 0.33kg / 12 oz.
SMA 0.30 kg / 10.5 oz.

Length:

Connector	Length
Type N	24.1 (0.95)
SMA	30.1 (1.23)

Diameter: 63.50 (2.50).

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

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Specification
Subject to change
without notice