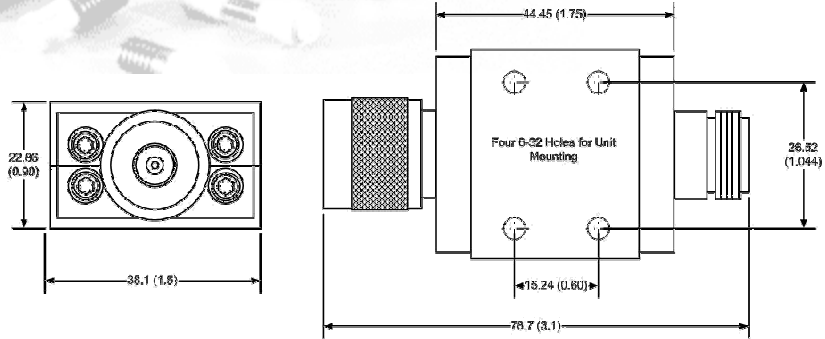


Fixed Coaxial Attenuator Model WA21 & WA22 Low-Profile Mountable

DC – 4.0 GHz WA21
DC – 8.5 GHz WA22

25 Watts
25 Watts



Features

Designed to meet environmental requirements of MIL-DTL-3933. Conductive Cooling. Flat base with mounting holes

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: WA21 DC - 4.0 GHz.
WA22 DC - 8.5 GHz.

Nominal dB Values: 3 - 40 dB.

Power Sensitivity: < 0.005 dB/dB/W;
Bidirectional in power.

Power Rating: 25 watts average, 5 kilowatt peak (5 µsec pulse width; 1.5% duty cycle) with case temperature held to +100°C maximum using conductive heat sink.

Temperature Range: -55°C to +125°C.

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

Standard Nominal Values and Deviations:

| Attenuation (dB) | Accuracy ± dB | | | |
|------------------|---------------|------|---------------|------|
| | DC - 4.0 GHz | | 4.0 - 8.5 GHz | |
| | WA21 | WA22 | WA21 | WA22 |
| 3,6 | 0.3 | 0.3 | -- | 0.60 |
| 10,20 | 0.3 | 0.3 | -- | 0.60 |
| 30 | 0.6 | 0.6 | -- | 1.00 |
| 40 | 0.8 | 0.8 | -- | 1.50 |

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 | 1.2 |
| 4.0 – 8.5 | 1.3 |

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

Add -LIM after connector option for Low Intermediation option. Example: WA21-XX-XX-LIM

Weight:

Type N .17 kg/ 6 oz.

Physical Dimensions:

Length:

| Connector Type | DIM "A" |
|----------------|------------|
| Type N | 78.7 (3.1) |
| SMA | 71.1 (2.8) |

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



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Specification
Subject to change
without notice