

Fixed Coaxial Attenuator

WA17

DC - 18.0 GHz

5 WATTS



Features

Precision 7mm 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. Meets or exceeds requirements of IEEE STD 287 and mates with all conforming connectors

Specifications

Nominal Impedance: 50 ohms.

Frequency Range: DC - 18.0 GHz.

Nominal dB Values: 1 - 60 dB

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

Power Rating: 5 W maximum rated average power to 25°C ambient temperature, de-rated linearly to 0.5 W at 125°C. , 1 kW peak (5 µsec pulse width, 0.25% duty cycle)

Temperature Range: -55°C to +125°C.

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

Construction: Passivated stainless steel body and connectors. Gold plated beryllium copper contacts. RoHs Compliant.

Standard Nominal Values and Deviations:

| Attenuation (dB) | Accuracy \pm dB |
|------------------|-------------------|
| 1 - 9 | 0.3 |
| 10 - 20 | 0.5 |
| 21 - 50 | 0.75 |
| 51 - 60 | 1.0 |

Maximum VSWR:

| Frequency (GHz) | VSWR |
|-----------------|------|
| DC - 4.0 | 1.10 |
| 4.0 - 12.4 | 1.15 |
| 12.4 - 18.0 | 1.2 |

Dimensions:

| Attenuation (dB) | All Models | |
|------------------|-------------|-----------|
| | Length | Weight |
| 1 - 30 | 51.0 (2) | 3.9 (.14) |
| 30 - 60 | 58.0 (2.28) | 4.3 (.15) |

Note: Dimensions are given in mm (in), or g (oz). Weight figure is nominal, with our standard connector configuration. Additional connector options may be available.