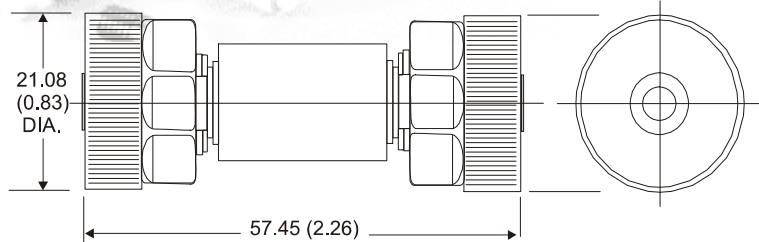


Fixed Coaxial Attenuator

MODEL WA17

DC – 18.0 GHz

5 WATTS



Features

Precision 7mm, 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 Sensitivity: < 0.005 dB/dB/W;
Bidirectional in power.

Power Rating: 5 watts average. Maximum rated average power to 25°C ambient temperature, de-rated linearly to 0.5 watts at 125°C. 1 kilowatt peak (5 µsec pulse width; 0.05% duty cycle).

Temperature Range: -55°C to +125°C.

Temperature Coefficient: < 0.0004 dB/dB/°C

Standard Nominal Values and Deviations:

| Attenuation (dB) | Accuracy ± dB |
|------------------|---------------|
| 1 – 9 | 0.30 |
| 10 – 20 | 0.50 |
| 30, 40, 50 | 0.75 |
| 60 | 1.00 |

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

Maximum VSWR:

| Frequency (GHz) | VSWR |
|-----------------|------|
| DC – 4.0 | 1.10 |
| 4.0 – 12.4 | 1.15 |
| 12.4 – 18.0 | 1.20 |

Weight:

1 – 30 dB 0.07 kg / 2.5 oz.
31 – 60 dB 0.10 kg / 6 oz.

Physical Dimensions:

Length:

| Attenuation (dB) | Length |
|------------------|------------|
| 1 – 30 | 50.8 (2.0) |
| 31 – 60 | 57.5 (2.3) |

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



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