

STA-10-10-F1-C-1.2-WPC

W-Band Fixed Attenuator, 10 dB, Insertion Length 1.2"

STA-10-10-F1-C-1.2-WPC is a compact fixed attenuator with an insertion length of 1.2". The attenuator is used in millimeterwave systems and operates from 75 to 110 GHz. The attenuator has a fixed attenuation value of 10 dB at the center frequency, 92.5 GHz. While the attenuator is designed and fabricated for full waveguide band applications, the attenuation value of this model does show a minor slope within the band due to its distinct mechanical configuration. Various attenuation values are available under different model numbers.



Electrical Specifications:

| Parameter | Minimum | Typical | Maximum |
|---------------------------|---------|---------|------------|
| Frequency Range | 75 GHz | | 110 GHz |
| Attenuation @ 92.5 GHz | | 10 dB | |
| Return Loss | | 20 dB | |
| Power Handling | | | 0.5 W (CW) |
| Specification Temperature | | +25°C | |
| Operating Temperature | -40°C | | +85°C |

Mechanical Specifications:

| Item | Specification |
|------------------|---|
| RF Ports | WR-10 Waveguide with UG-387/U-M Anti-Cocking Flange |
| Setting Type | Fixed |
| Insertion Length | 1.20" |
| Material | Aluminum |
| Finish | Gold Plated |
| Weight | 0.4 Oz |
| Outline | WF-BW-A |

ECCN

EAR99

FEATURES

- Full Band Coverage
- Low Cost
- Accurate Attenuation Value at Center Frequency
- Compact Size

APPLICATIONS

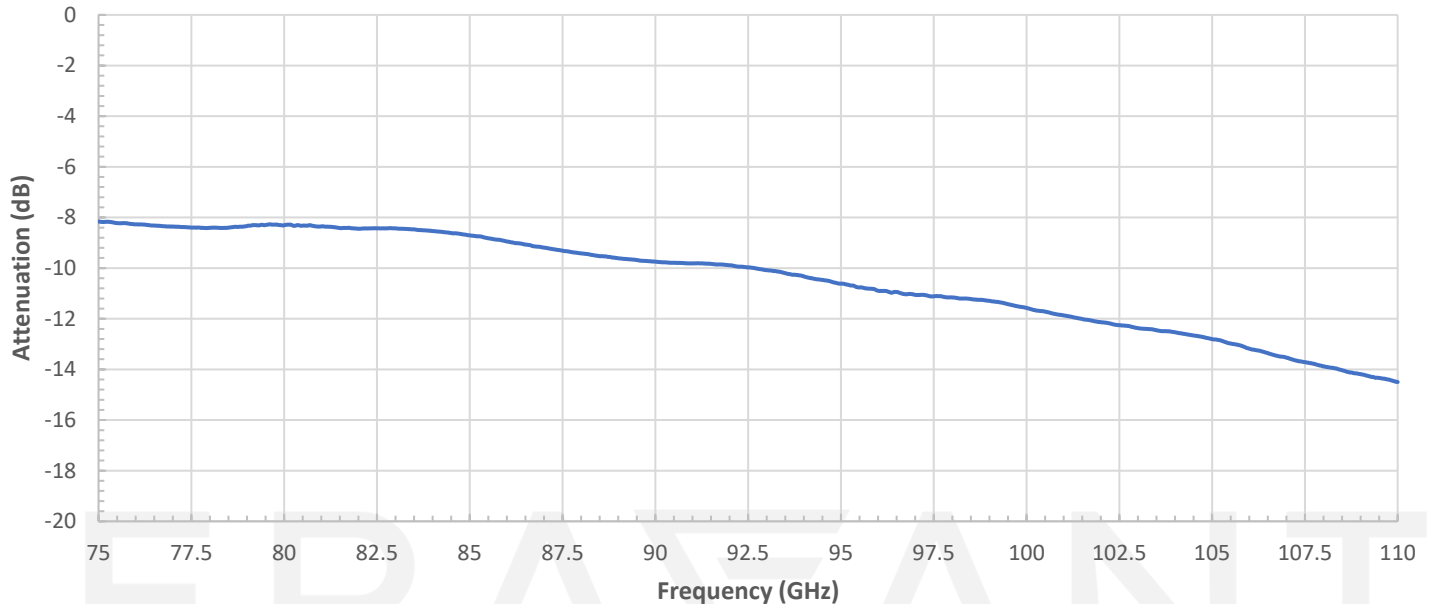
- Test Lab
- Instrumentations
- System Integration

SUPPLEMENTAL DETAILS

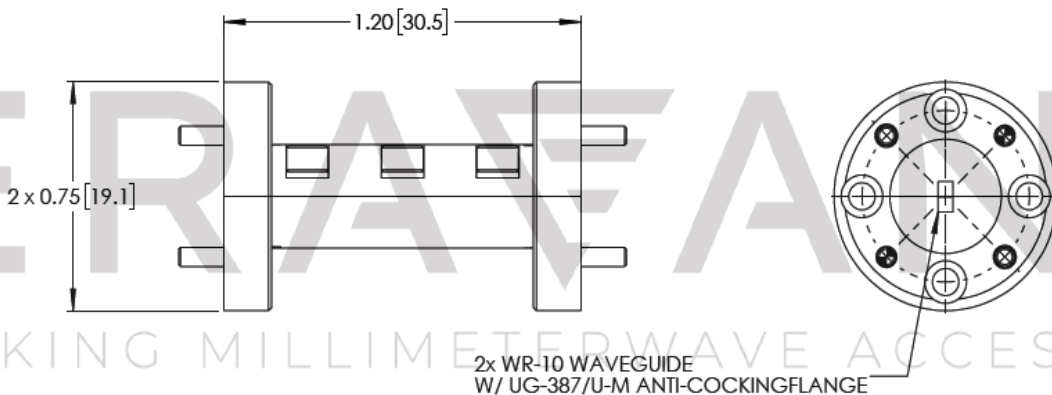


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Typical Measured Attenuation vs Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



NOTE:

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Exceeding absolute maximum ratings will damage the device.
- Any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.