

STA-03-15-F1-C-1.2

V-Band Fixed Attenuator, 3 dB, Insertion Length 1.2”

STA-03-15-F1-C-1.2 is a compact fixed attenuator with insertion length of 1.2”. The attenuator is used in millimeterwave systems and operates from 50 to 75 GHz. The attenuator has a fixed attenuation value of 3 dB at the center frequency, 62.5 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 | 50 GHz | | 75 GHz |
| Attenuation @ 62.5 GHz | | 3 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-15 Waveguide with UG-385/U Anti-Cocking Flange |
| Setting Type | Fixed |
| Insertion Length | 1.20” |
| Material | Aluminum |
| Finish | Gold Plated |
| Weight | 0.4 Oz |
| Outline | WF-BV-A |

ECCN

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FEATURES

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

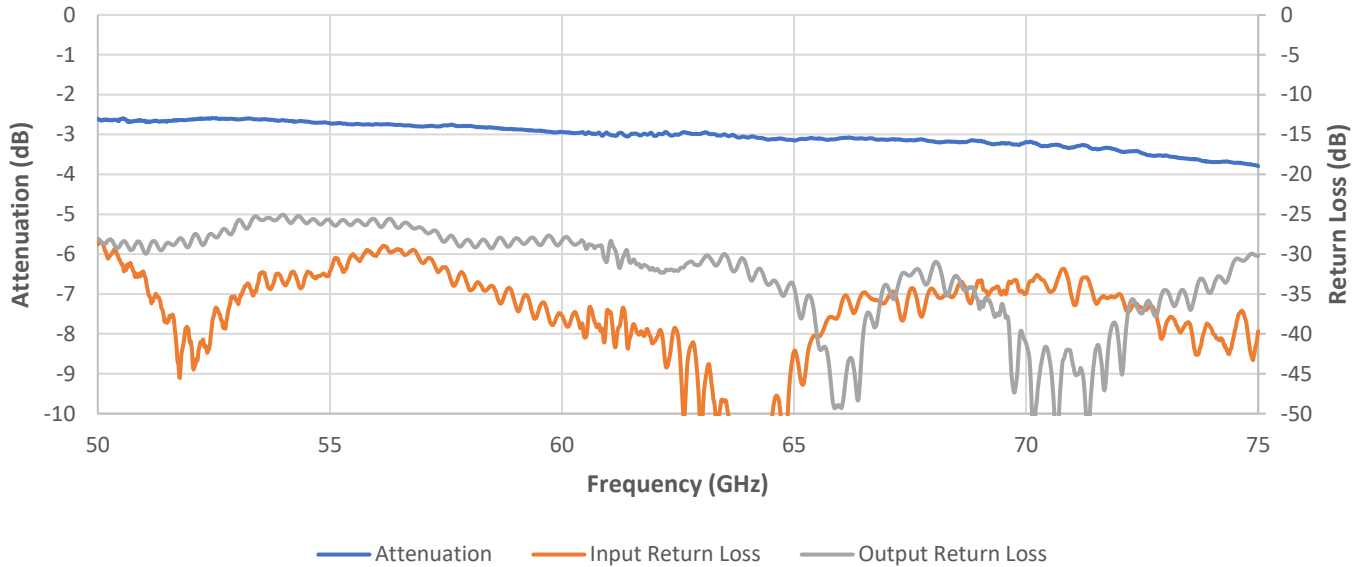
APPLICATIONS

- Test Lab
- Instrumentations
- System Integration

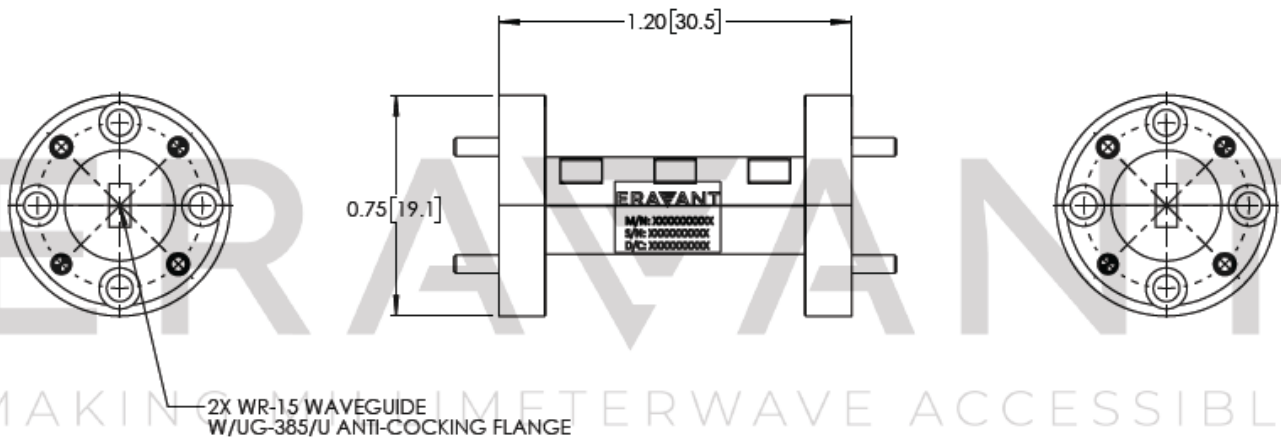
SUPPLEMENTAL DETAILS



Typical Performance vs. Frequency



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



NOTE:

- All data presented 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.