

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

EAR99

FEATURES

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

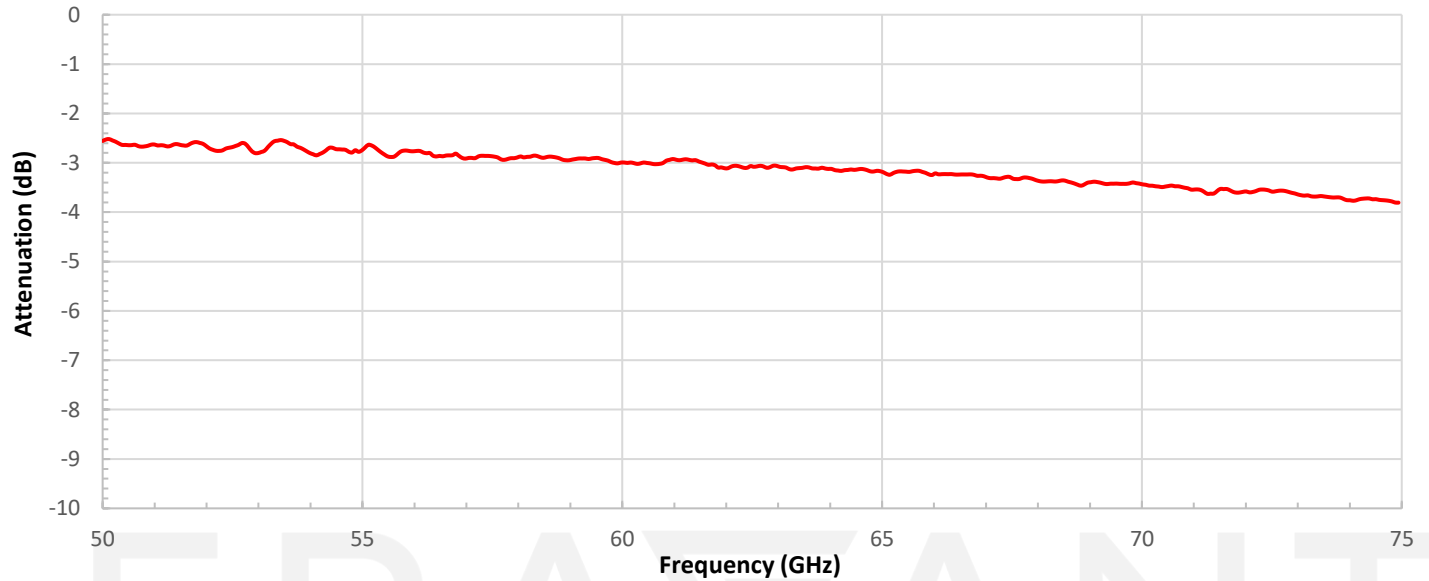
APPLICATIONS

- Test Lab
- Instrumentations
- System Integration

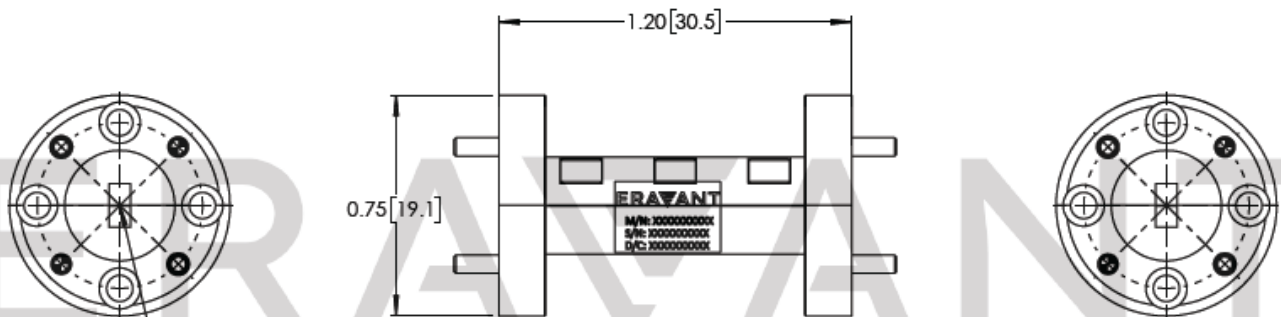
SUPPLEMENTAL DETAILS



Typical Attenuation Vs. Frequency



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



2X WR-15 WAVEGUIDE
W/UG-385/U ANTI-COCKING FLANGE

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.