STA-06-10-F1-C-1.2

W-Band Fixed Attenuator, 6 dB, Insertion Length 1.2”

STA-06-10-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 75 to 110 GHz. The attenuator has a fixed attenuation value of 6 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	75 GHz		110 GHz
Attenuation @ 92.5 GHz		6 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	Fixed
Material	Aluminum
Finish	Gold Plated
Weight	0.4 Oz
Insertion Length	1.2”
Outline	WF-BW-A

ECCN

EAR99

FEATURES

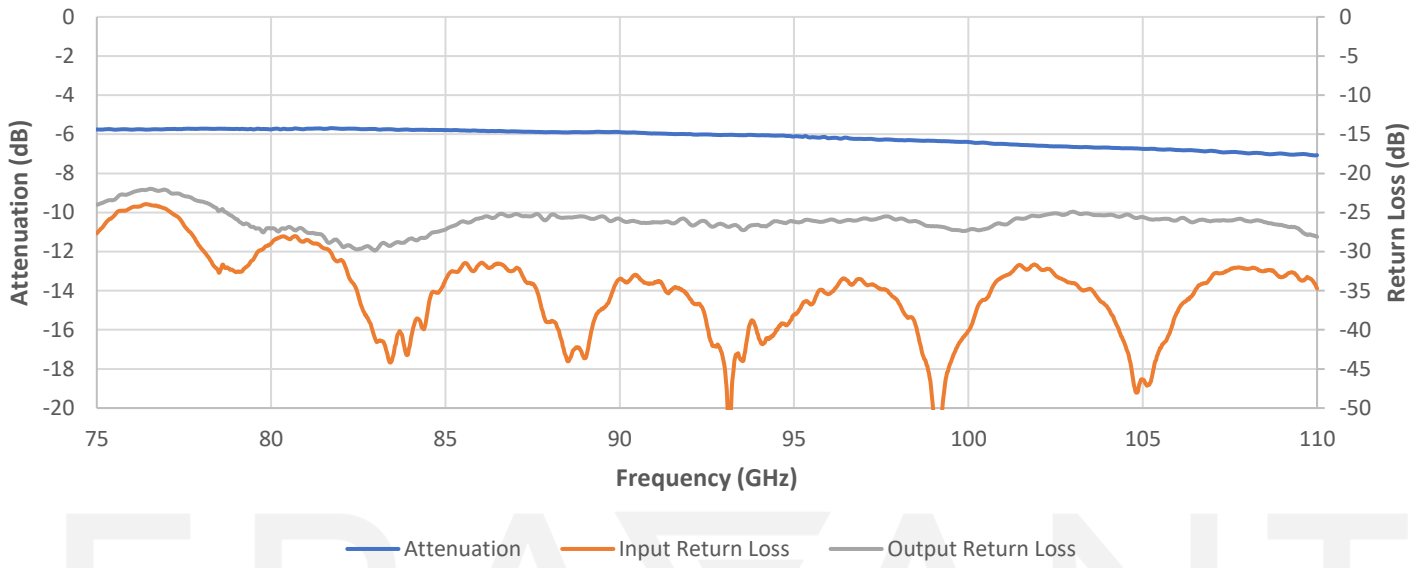
- Full Band Coverage
- Low Cost
- Accurate Attenuation Value at Center Frequency
- Compact Design

APPLICATIONS

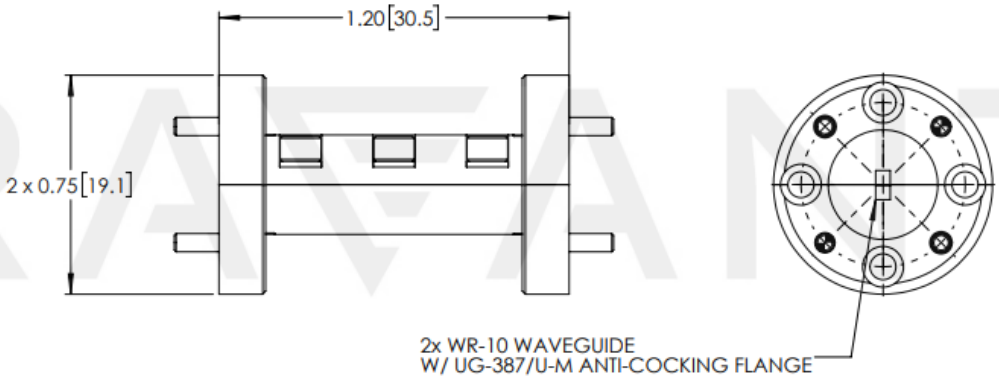
- Test Lab
- Instrumentations
- System Integration

SUPPLEMENTAL DETAILS

Typical Performance 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.
- On condition that simulated test data is provided, actual measured data may slightly vary.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- RF power should never exceed 100 mW.
- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.