STA-06-06-F2

Advanced

D-Band Fixed Attenuator, 6 dB

Description:

Model STA-06-06-F2 is a 6 dB fixed attenuator that is used in millimeterwave systems and operates from 110 to 170 GHz. The attenuator has a fixed attenuation value of 6 dB at the center frequency, 140 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.

Features:

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

Applications:

- Test Lab
- Instrumentations
- System Integration

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	110 GHz		170 GHz
Attenuation @ 140 GHz		6 dB	
Return Loss		16 dB	
Power Handling			300 mW
Specification Temperature		+25 ˚C	
Operating Temperature	-40 ˚C		+85 ˚C

Mechanical Specifications:

Item	Specification
RF Ports	WR-06 Waveguide with UG-387/U-M Flange
Setting	Fixed
Insertion Length	2.50”
Flange Material	360 Brass
Waveguide Material	C10100 Copper
Finish	Gold Plated, Black Paint
Weight	1.6 Oz
Outline	TA-FD-L2

www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com

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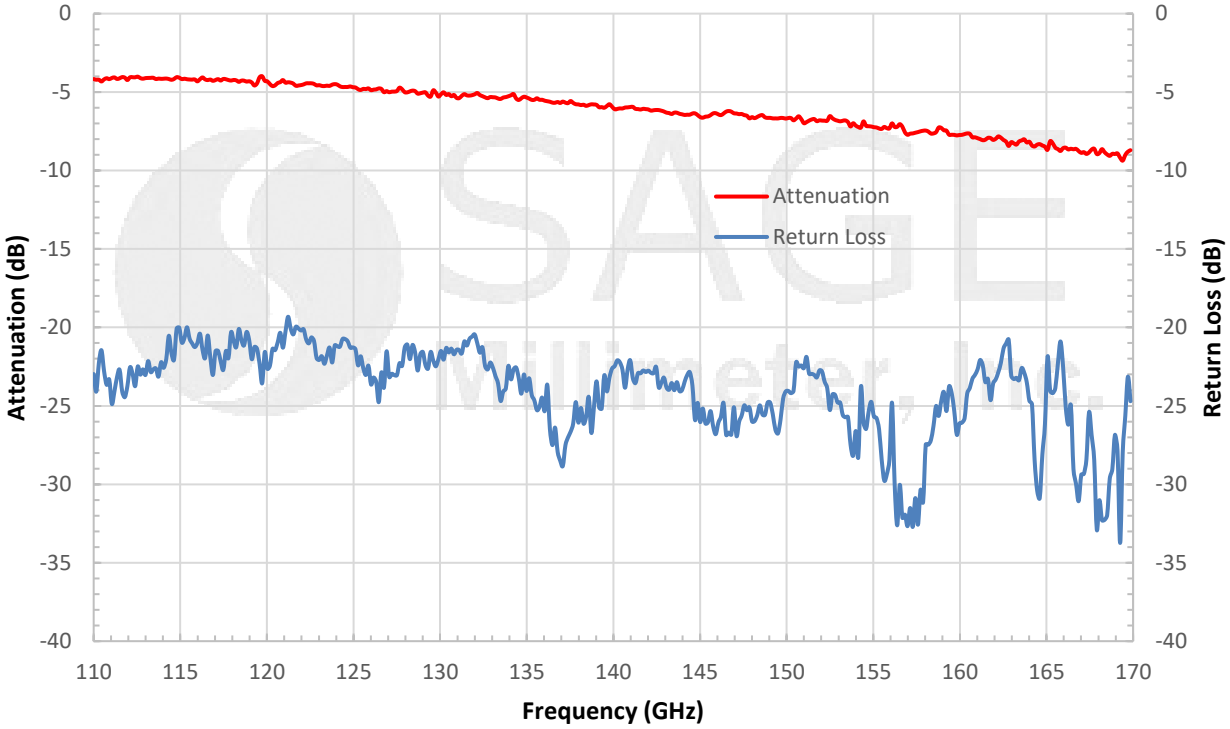
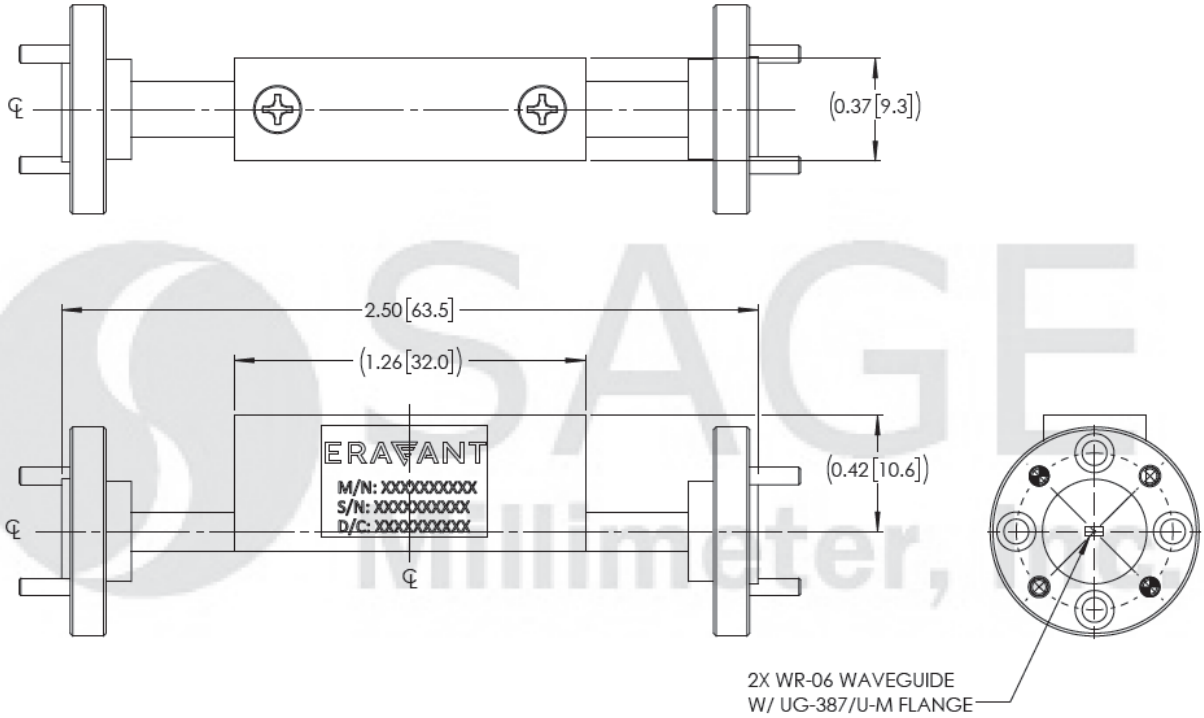
Typical Performance vs Frequency



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



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Note:

- All data presented is collected from a sample lot. Actual data may vary unit to unit.
- All testing was performed under +25 ˚C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.
- Other mechanical configurations are available under different model numbers.

Caution:

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

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