STA-06-19-F2

Rev. 1.1

U-Band Fixed Attenuator, 6 dB

Description:

Model STA-06-19-F2 is a 6 dB fixed attenuator that is used in millimeterwave systems and operates from 40 to 60 GHz. The attenuator has a fixed attenuation value of 6 dB at center frequency, 50 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
RF Frequency Range	40 GHz		60 GHz
Attenuation @ 50 GHz		6.0 dB	
Return Loss		21 dB	
Power Handling		500 mW	750 mW
Specification Temperature		+25˚C	
Operating Temperature	-40˚C		+85˚C

Mechanical Specifications:

Item	Specification
RF Input	WR-19 Waveguide with UG-383/U-M Flange
RF Output	WR-19 Waveguide with UG-383/U-M Flange
Setting	Fixed
Insertion Length	3.50”
Finish	Gold Plated Waveguide Faces; Black Painted Body
Weight	2.5 Oz
Outline	TA-FU-BX1

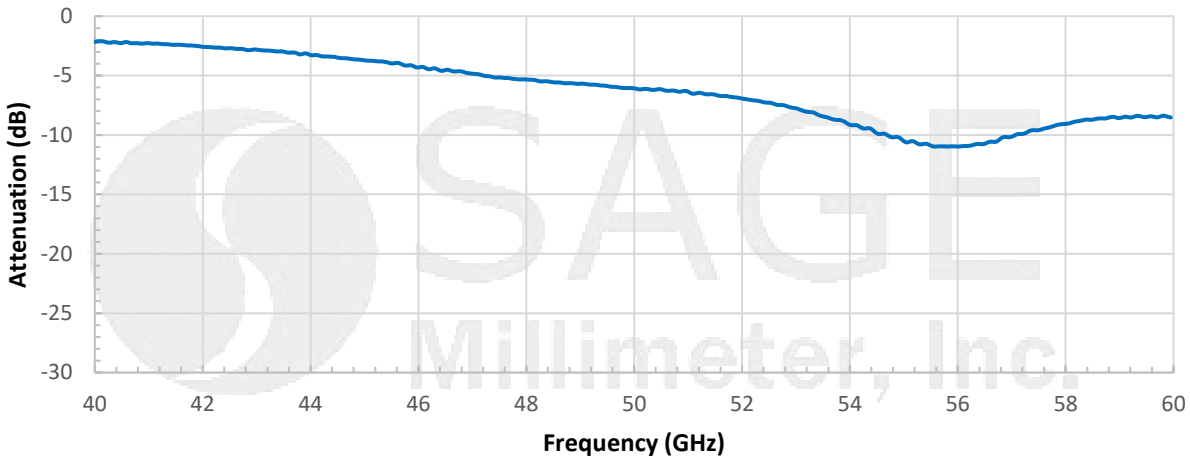
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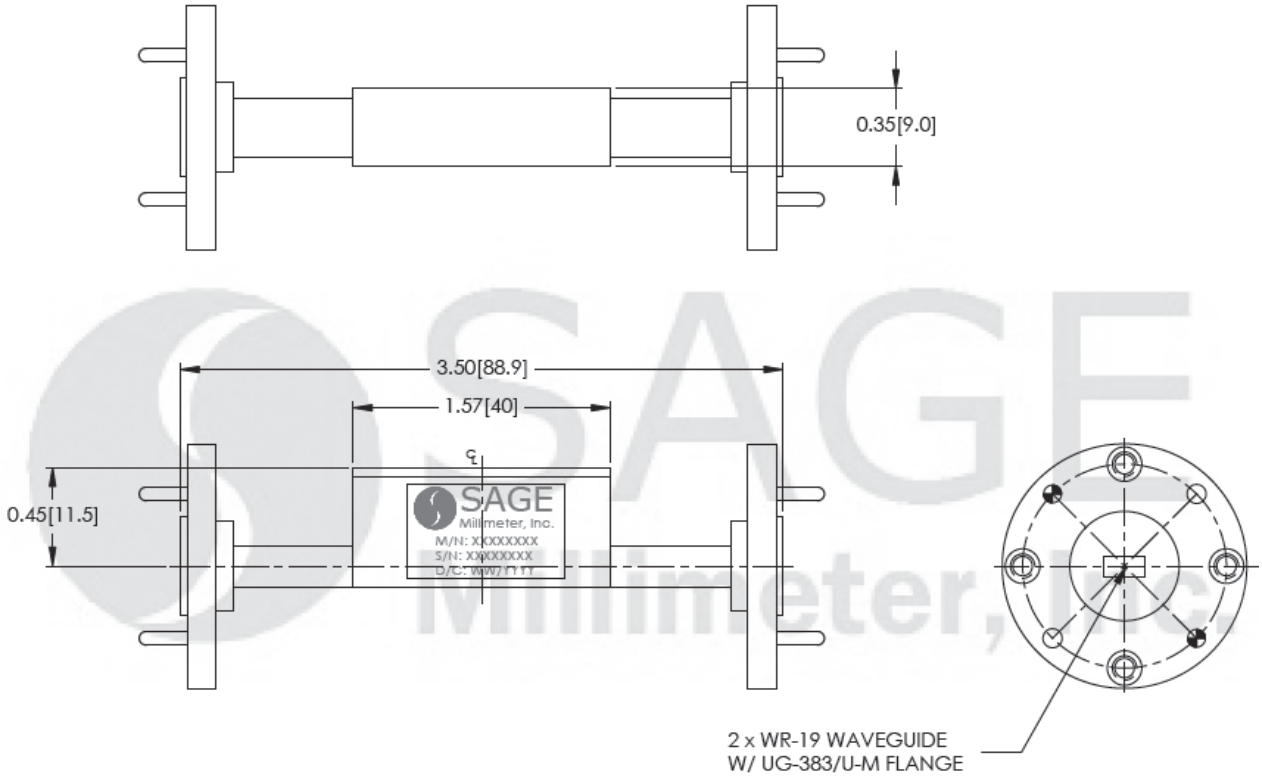
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Typical Performance vs Frequency



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 unit to unit, slightly.
- All testing was performed under +25°C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

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Caution:

- RF power should never exceed 750 mW.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.

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