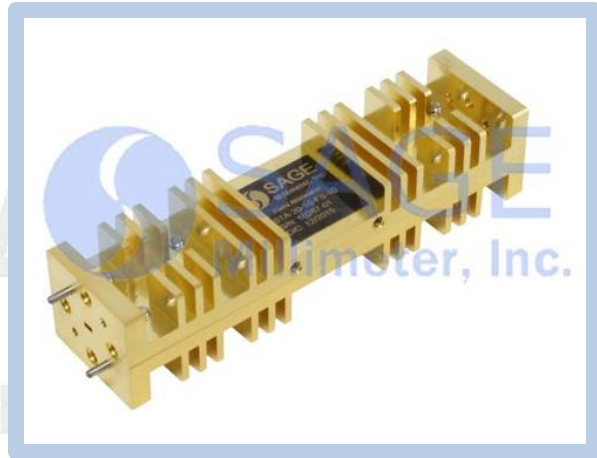


W-Band Fixed Attenuator, 3 dB, 10 Watts

Description:

Model STA-03-10-FS-40 is a 10 watt, 3 dB fixed attenuator that is used in millimeterwave systems and operates from 75 to 110 GHz. The attenuator has a nominal fixed attenuation value of 3 dB across the entire W band. The attenuator is uniquely designed and fabricated for full waveguide band applications and displays an extremely flat frequency response across the full bandwidth. Various attenuation values are available under different model numbers.



Features:

- Full Band Coverage
- Low Cost

Applications:

- Test Lab
- Instrumentations
- System Integration

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
RF Frequency Range	75 GHz		110 GHz
Insertion Loss		3.0 dB	
VSWR		1.2:1	1.3:1
Power Handling		10 W	12 W

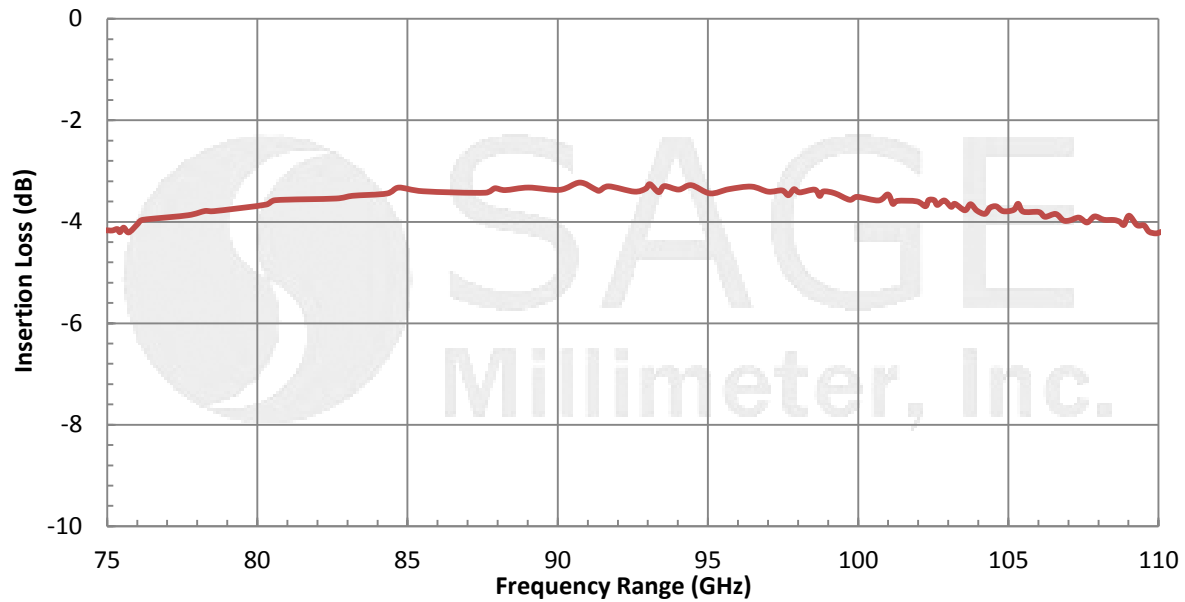
Mechanical Specifications:

Item	Specification
RF Input	WR-10 Waveguide with UG-387/U-M Flange
RF Output	WR-10 Waveguide with UG-387/U-M Flange
Setting	Fixed
Insertion Length	3.60"
Finish	Gold Plated
Weight	2.2 Oz
Outline	TA-FW-40

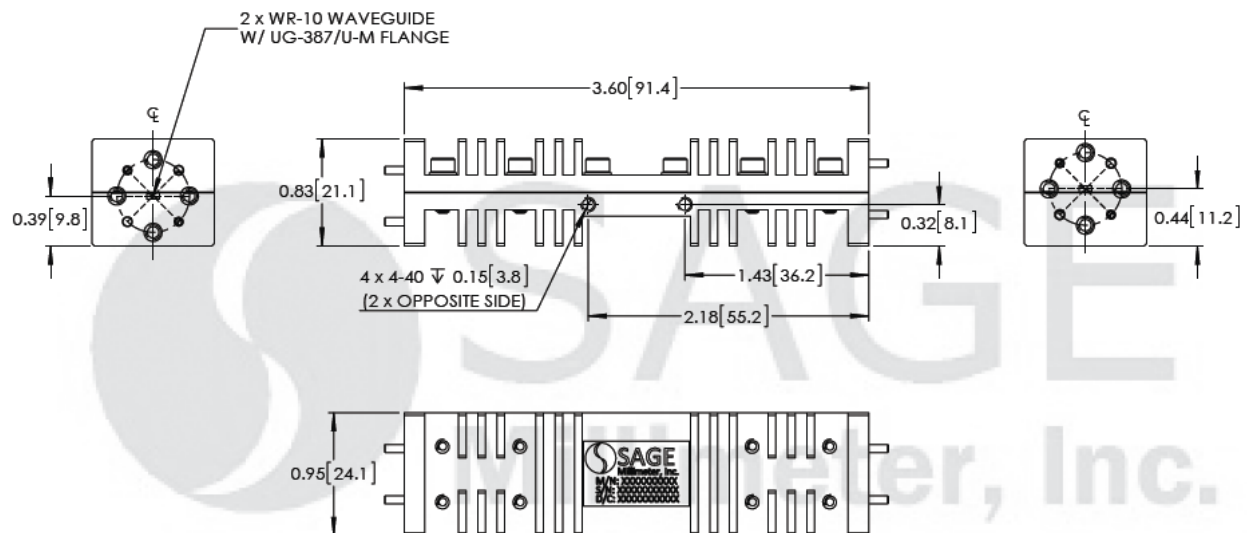


W-Band Fixed Attenuator, 3 dB, 10 Watts

Typical Insertion Loss vs. Frequency



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



Note:

- All data was presented using a limited sample lot. Actual data may vary unit to unit.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

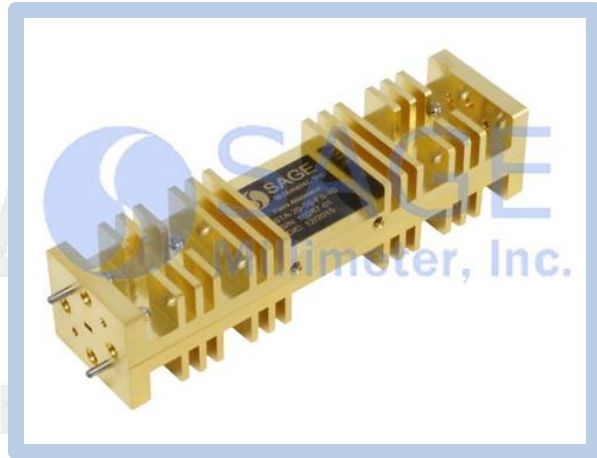
- RF power should never exceed 12 W.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.

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

W-Band Fixed Attenuator, 6 dB, 10 Watts

Description:

Model STA-06-10-FS-40 is a 10 watt, 6 dB fixed attenuator that is used in millimeterwave systems and operates from 75 to 110 GHz. The attenuator has a nominal fixed attenuation value of 6 dB across the entire W band. The attenuator is uniquely designed and fabricated for full waveguide band applications and displays an extremely flat frequency response across the full bandwidth. Various attenuation values are available under different model numbers.



Features:

- Full Band Coverage
- Low Cost

Applications:

- Test Lab
- Instrumentations
- System Integration

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
RF Frequency Range	75 GHz		110 GHz
Insertion Loss		6.0 dB	
VSWR		1.2:1	1.3:1
Power Handling		10 W	12 W

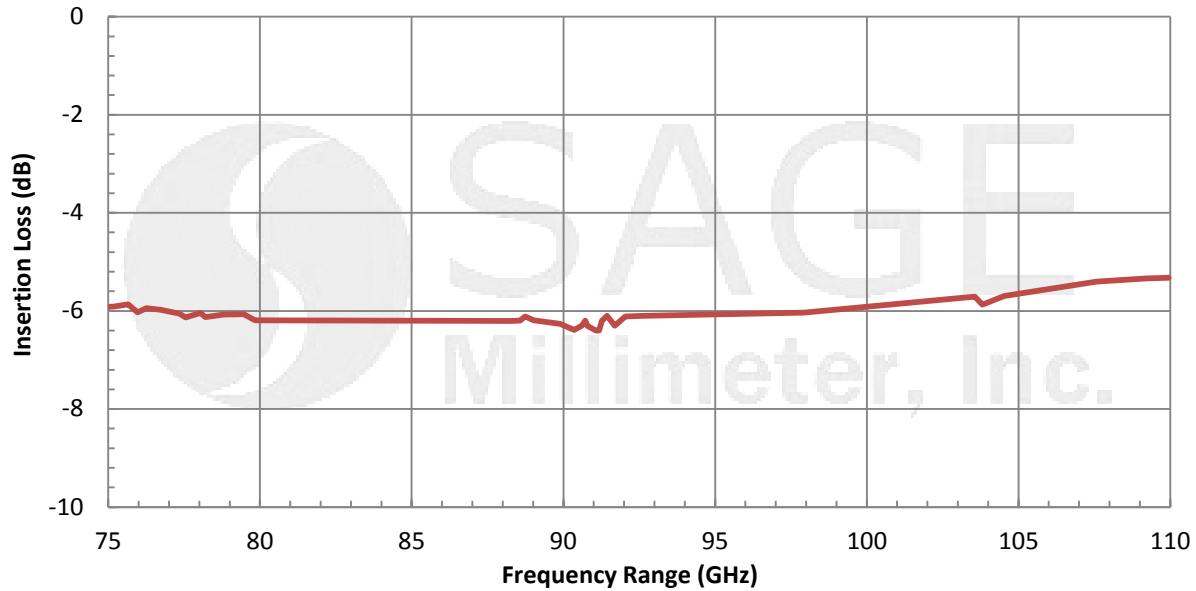
Mechanical Specifications:

Item	Specification
RF Input	WR-10 Waveguide with UG-387/U-M Flange
RF Output	WR-10 Waveguide with UG-387/U-M Flange
Setting	Fixed
Insertion Length	3.60"
Finish	Gold Plated
Weight	2.2 Oz
Outline	TA-FW-40

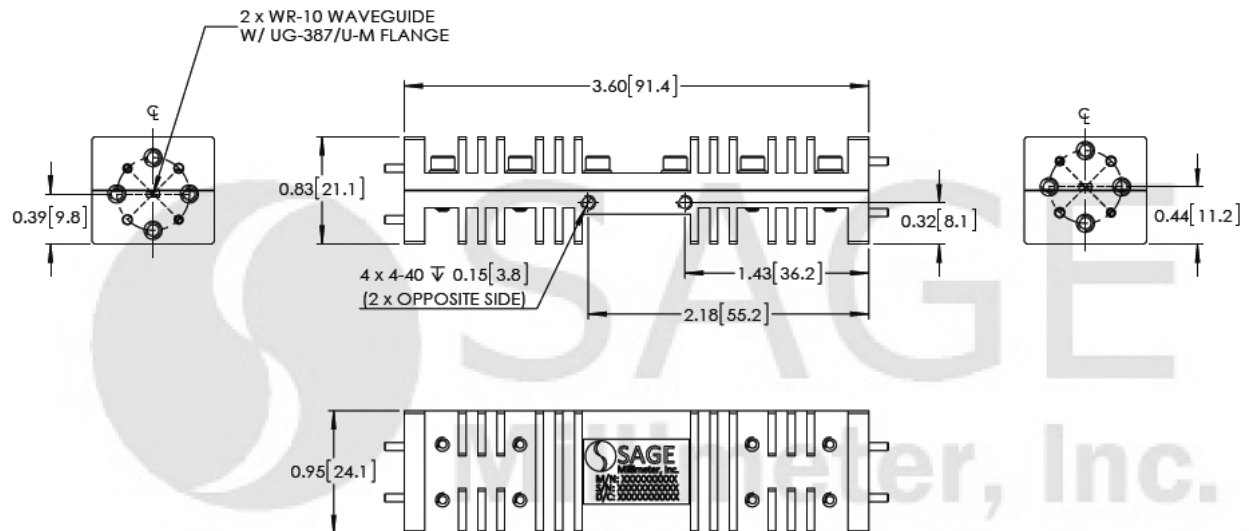


W-Band Fixed Attenuator, 6 dB, 10 Watts

Typical Insertion Loss vs. Frequency



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



Note:

- All data was presented using a limited sample lot. Actual data may vary unit to unit.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

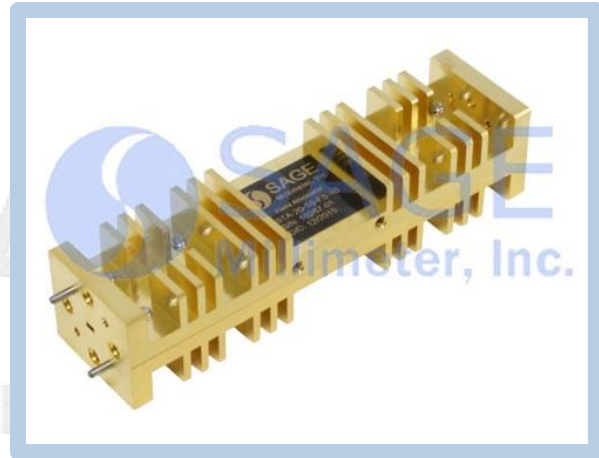
- RF power should never exceed 12 W.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.

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W-Band Fixed Attenuator, 10 dB, 10 Watts

Description:

Model STA-10-10-FS-40 is a 10 watt, 10 dB fixed attenuator that is used in millimeterwave systems and operates from 75 to 110 GHz. The attenuator has a nominal fixed attenuation value of 10 dB across the entire W band. The attenuator is uniquely designed and fabricated for full waveguide band applications and displays an extremely flat frequency response across the full bandwidth. Various attenuation values are available under different model numbers.



Features:

- Full Band Coverage
- Low Cost

Applications:

- Test Lab
- Instrumentations
- System Integration

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
RF Frequency Range	75 GHz		110 GHz
Insertion Loss		10.0 dB	
VSWR		1.2:1	1.3:1
Power Handling		10 W	12 W

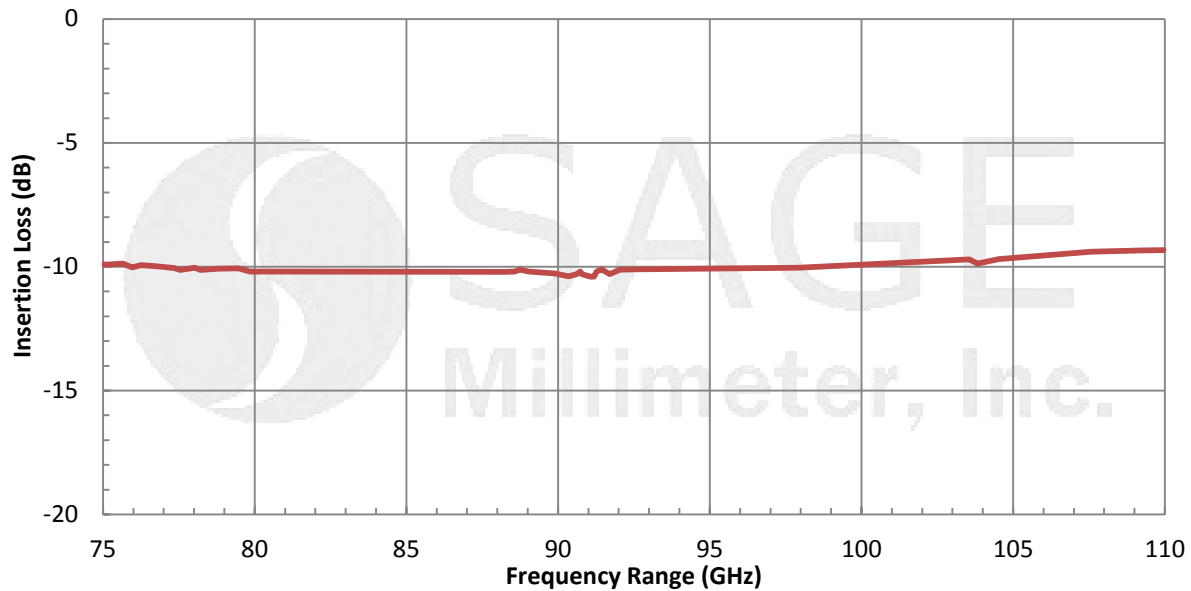
Mechanical Specifications:

Item	Specification
RF Input	WR-10 Waveguide with UG-387/U-M Flange
RF Output	WR-10 Waveguide with UG-387/U-M Flange
Setting	Fixed
Insertion Length	3.60"
Finish	Gold Plated
Weight	2.2 Oz
Outline	TA-FW-40

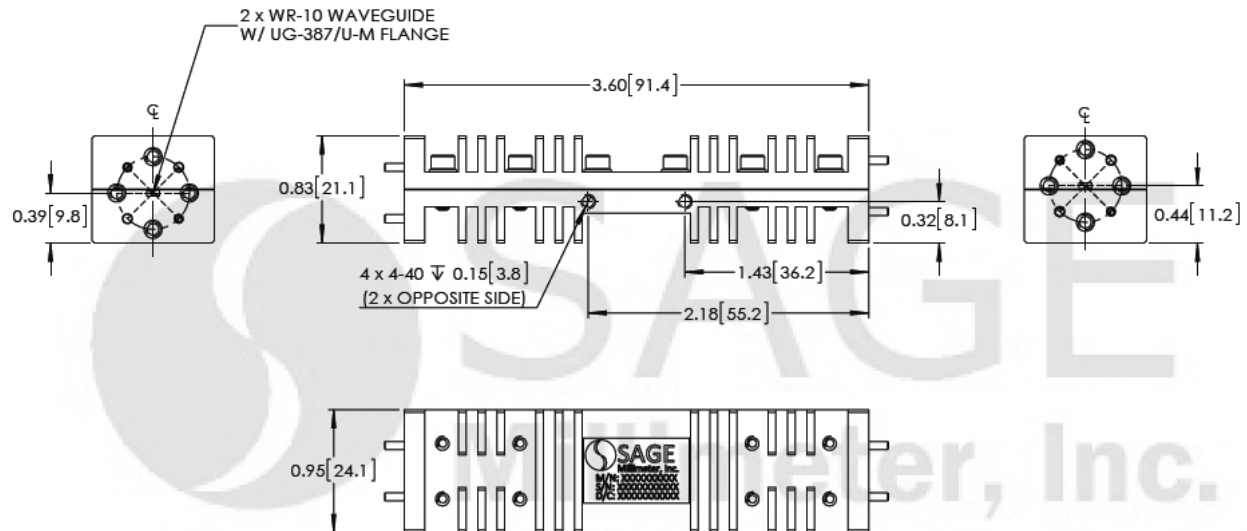


W-Band Fixed Attenuator, 10 dB, 10 Watts

Typical Insertion Loss vs. Frequency



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



Note:

- All data was presented using a limited sample lot. Actual data may vary unit to unit.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

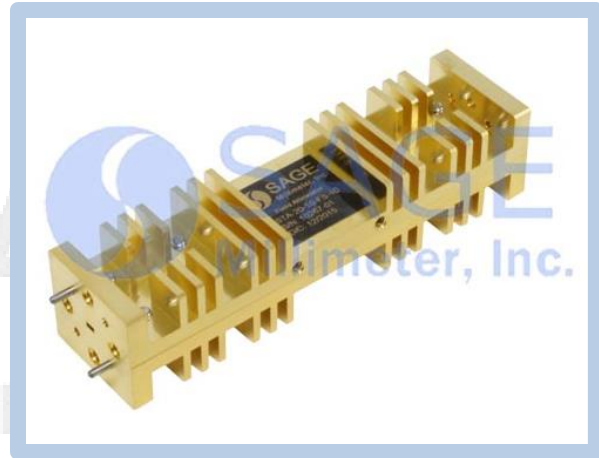
Caution:

- RF power should never exceed 12 W.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.

W-Band Fixed Attenuator, 20 dB, 10 Watts

Description:

Model STA-20-10-FS-40 is a 10 watt, 20 dB fixed attenuator that is used in millimeterwave systems and operates from 75 to 110 GHz. The attenuator has a nominal fixed attenuation value of 20 dB across the entire W band. The attenuator is uniquely designed and fabricated for full waveguide band applications and displays an extremely flat frequency response across the full bandwidth. Various attenuation values are available under different model numbers.



Features:

- Full Band Coverage
- Low Cost

Applications:

- Test Lab
- Instrumentations
- System Integration

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
RF Frequency Range	75 GHz		110 GHz
Insertion Loss		20.0 dB	
VSWR		1.2:1	1.3:1
Power Handling		10 W	12 W

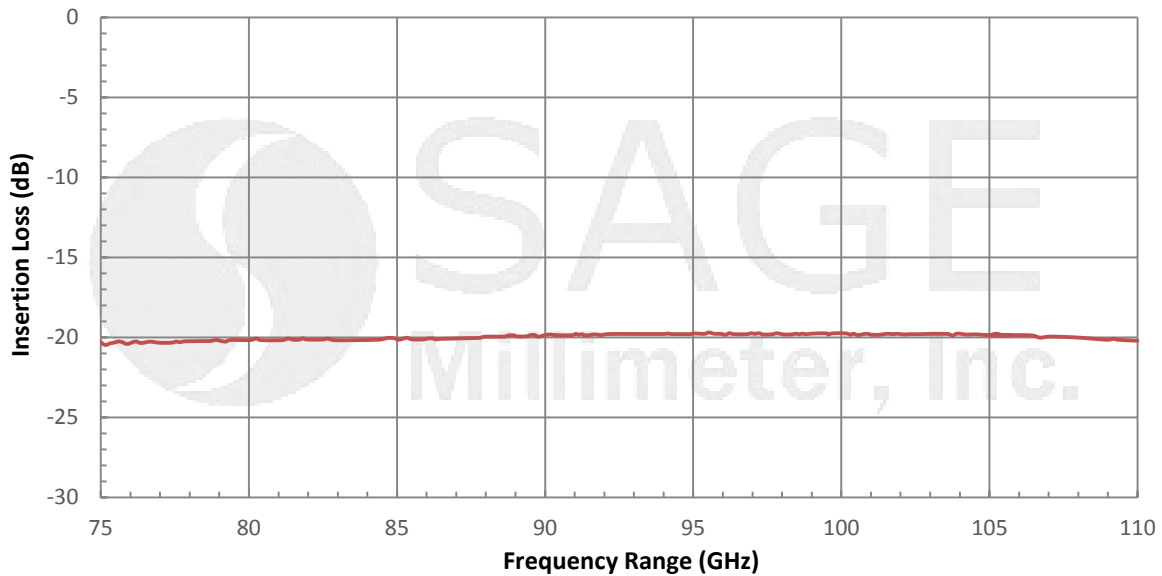
Mechanical Specifications:

Item	Specification
RF Input	WR-10 Waveguide with UG-387/U-M Flange
RF Output	WR-10 Waveguide with UG-387/U-M Flange
Setting	Fixed
Insertion Length	3.60"
Finish	Gold Plated
Weight	2.2 Oz
Outline	TA-FW-40

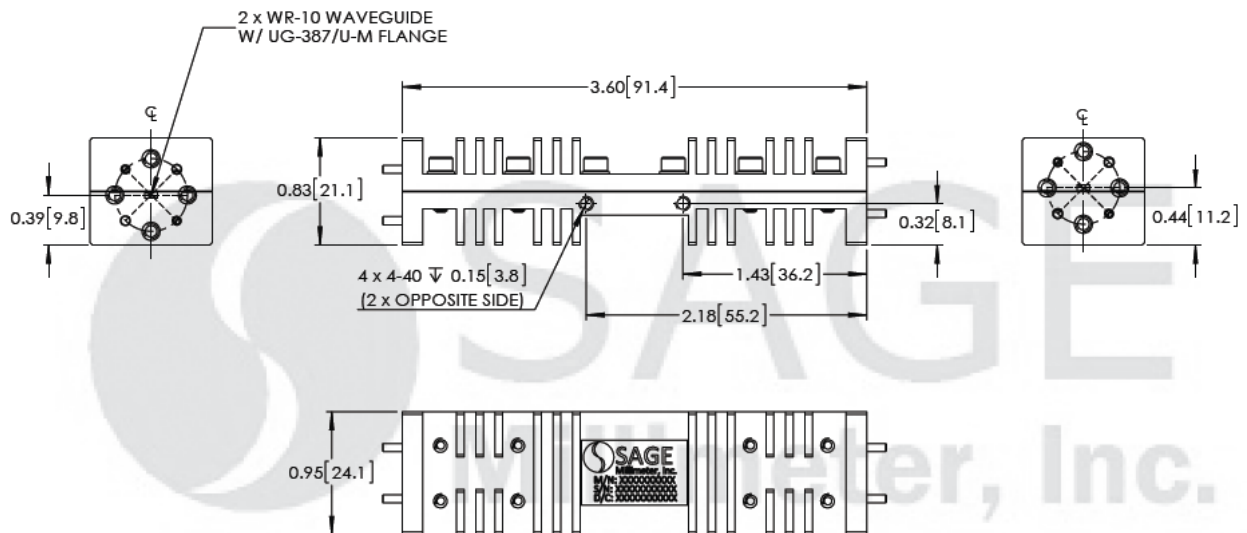


W-Band Fixed Attenuator, 20 dB, 10 Watts

Typical Insertion Loss and Coupling vs. Frequency



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



Note:

- All data was presented using a limited sample lot. Actual data may vary unit to unit.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- RF power should never exceed 12 W.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.