STA-03-10-F2

Rev. 1.1

W-Band Fixed Attenuator, 3 dB

Description:



Model STA-03-10-F2 is a 3 dB fixed attenuator that is used in millimeterwave systems and operates from 75 to 110 GHz. The attenuator has a fixed attenuation value of 3 dB at 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.

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	75 GHz		110 GHz
Attenuation @ 92.5 GHz		3.0 dB	
VSWR		1.2:1	1.3:1
Power Handling		500 mW	750 mW
Specification Temperature		+25˚C	
Operating Temperature	-40˚C		+85˚C

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	2.50”
Finish	Gold Plated Waveguide Faces; Black Painted Body
Weight	1.3 Oz
Outline	TA-FW-BX1

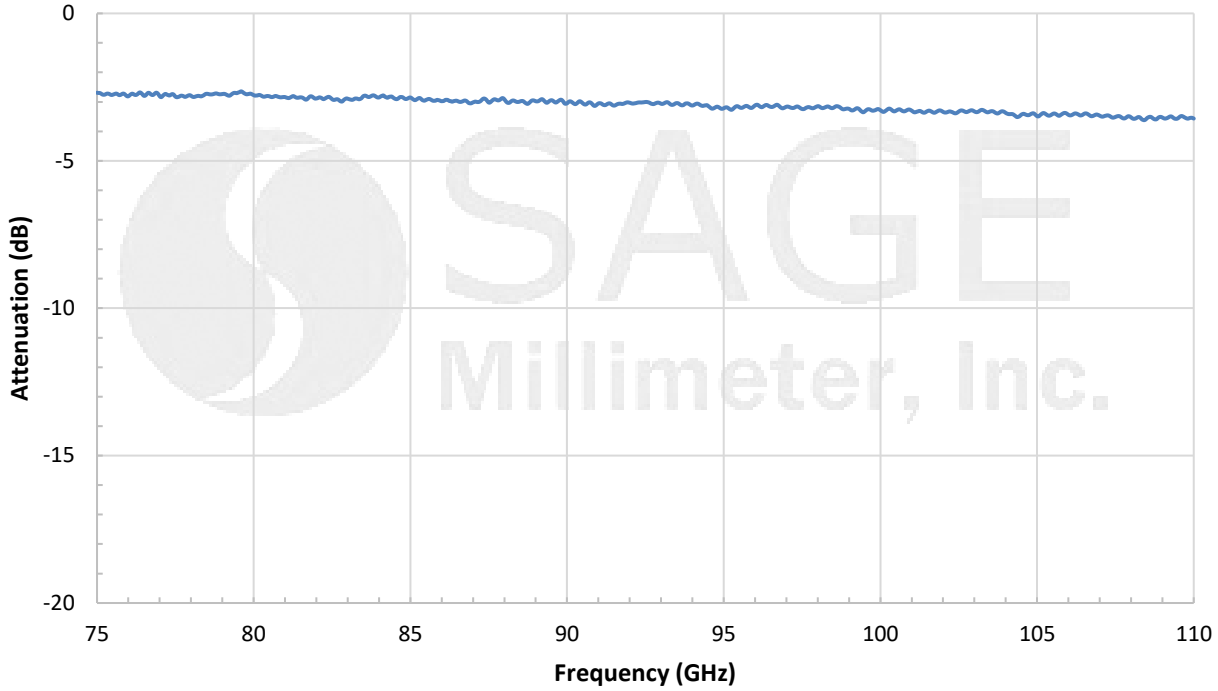
www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com

Copyright © 2016 by SAGE Millimeter, Inc.

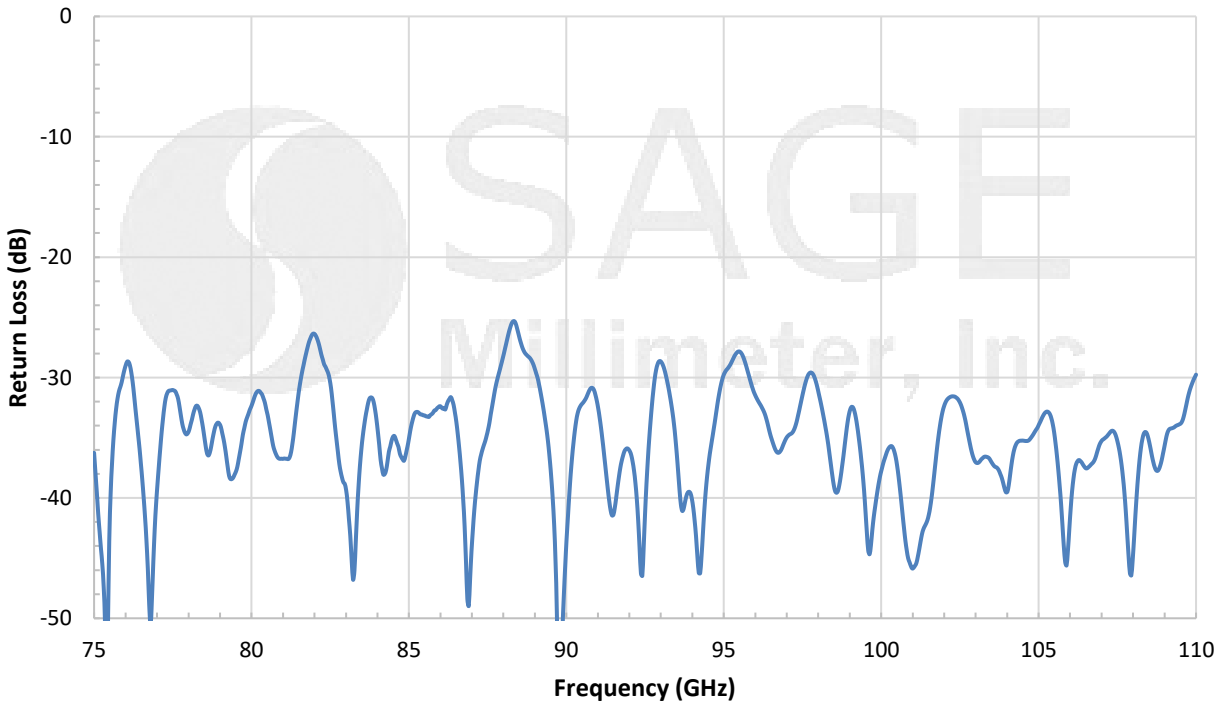
SAGE Millimeter, Inc.

W-Band Fixed Attenuator, 3 dB

Typical Attenuation vs. Frequency



Typical Return Loss vs. Frequency

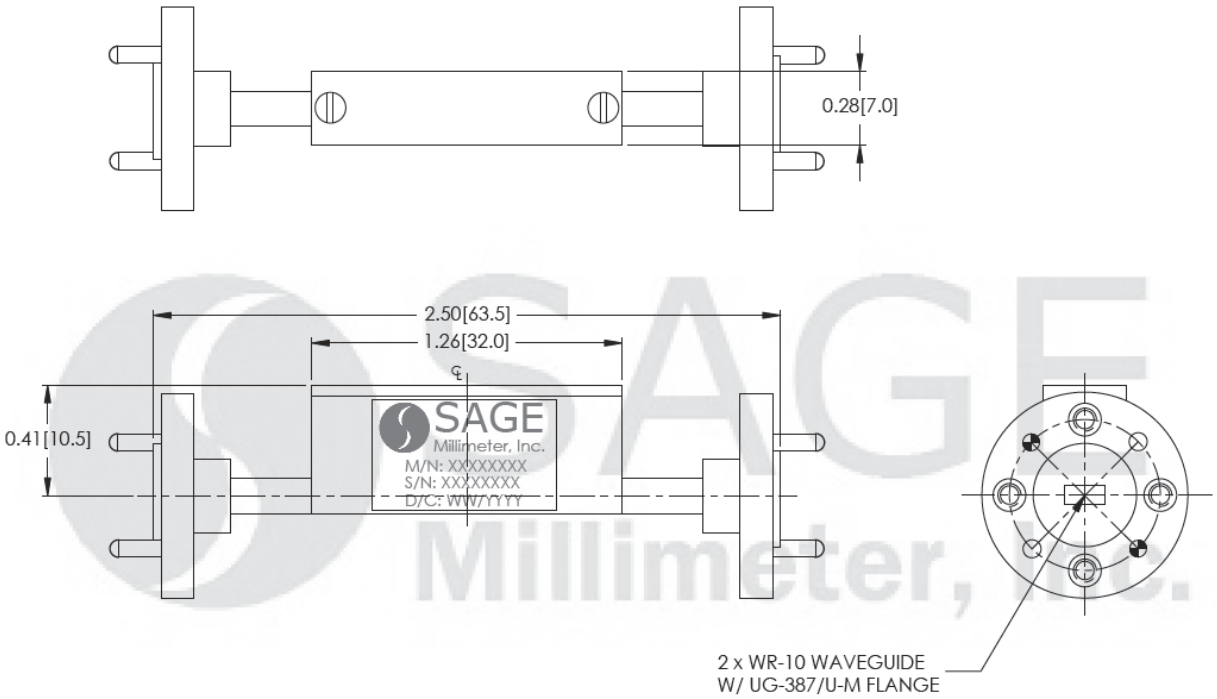


www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com

Copyright © 2016 by SAGE Millimeter, Inc.

W-Band Fixed Attenuator, 3 dB

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



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 300 mW.
- 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

Copyright © 2016 by SAGE Millimeter, Inc.