SWF-10404340-10-B1

Advanced

Waveguide Bandpass Filter, W Band, 98 to 102 GHz

Description:

Model SWF-10402340-10-B1 is a W band waveguide bandpass filter with a passband frequency of 98 to 102 GHz and rejection frequencies from DC to 95 GHz and 105 to 110 GHz. The nominal insertion loss of the bandpass filter is 2.0 dB and the typical rejection is 40 dB. Since both low end and high end cut off frequencies can be selected by modifying the design, custom designs are available under different model numbers.

Features:

- Low Cost
- Low Insertion Loss
- High Rejection

Applications:

- Communication Systems
- Radar Systems
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	98 GHz		102 GHz
Passband Insertion Loss		2.0 dB	
Passband Ripple		±0.3 dB	
Rejection Frequency, Low Side	DC		95 GHz
Rejection Frequency, High Side	105 GHz		110 GHz
Rejection		40 dB	
Passband Return Loss		14 dB	
Specification Temperature		+25 ˚C	
Operating Temperature	-40 ˚C		+85 ˚C

Mechanical Specifications:

Item	Specification
Waveguide	WR-10 Waveguide with UG-387/U-M Flange
Material	Aluminum
Finish	Gold Plated
Weight	0.4 Oz
Size	1.20” (L) X 0.75” (Ø)
Outline	WF-BW

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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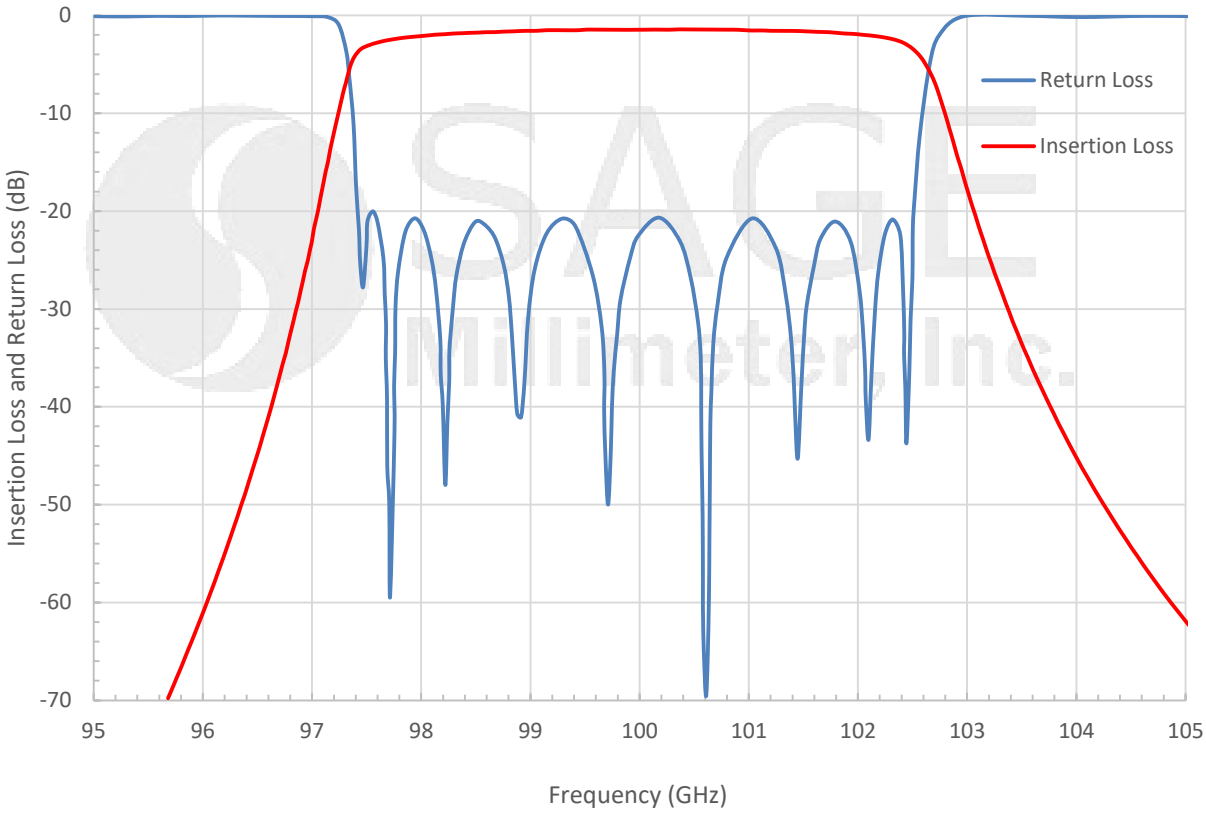
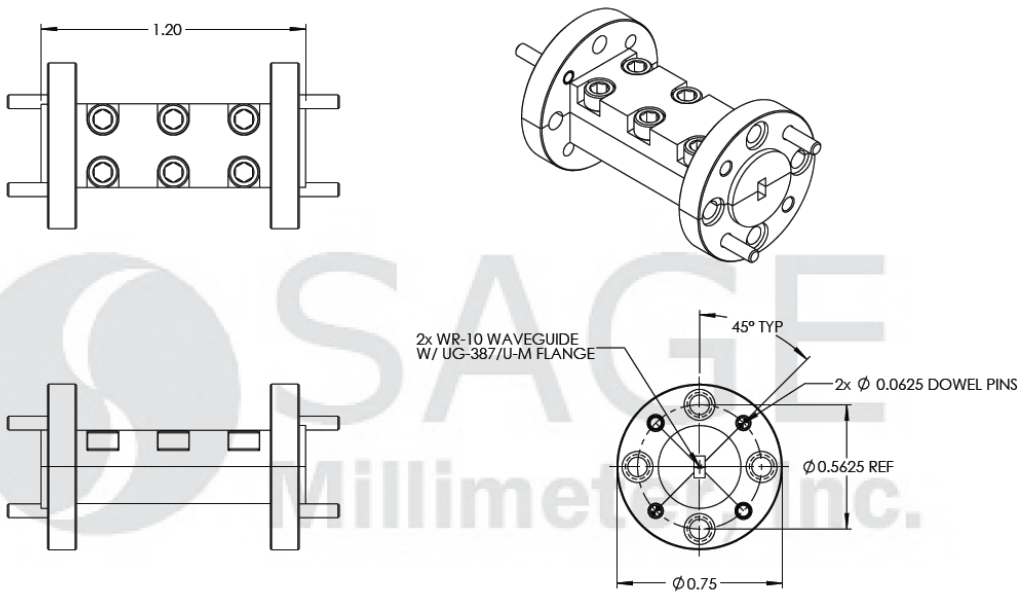
Simulated Data



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



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Note:

- All data presented is simulated. Actual data may vary.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Any foreign objects in the waveguide will cause performance degradation and possible device damage.

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