

SWF-82380340-10-H1

Waveguide Highpass Filter, W Band, 82 GHz, DC to 80 GHz Rejection

SWF-82380340-10-H1 is a W band waveguide highpass filter with a passband frequency of 82 GHz and higher and a rejection frequency from DC to 80 GHz. The nominal insertion loss of the filter is 1.0 dB and the typical rejection is 40 dB. Since the low-end cutoff frequency can be changed by modifying the design, custom designs can be offered under different model numbers.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	82 GHz		
Passband Insertion Loss		1.0 dB	
Passband Return Loss		15 dB	
Rejection Frequency	DC		80 GHz
Rejection		40 dB	
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
Waveguide Port	WR-10
Flange	UG-387/U-M Anti-Cocking
Material	Aluminum
Finish	Gold Plated
Weight	0.4 oz.
Outline	WF-HW-A-2

ECCN

EAR99

FEATURES

- Low Cost
- Low Insertion Loss
- High Rejection

APPLICATIONS

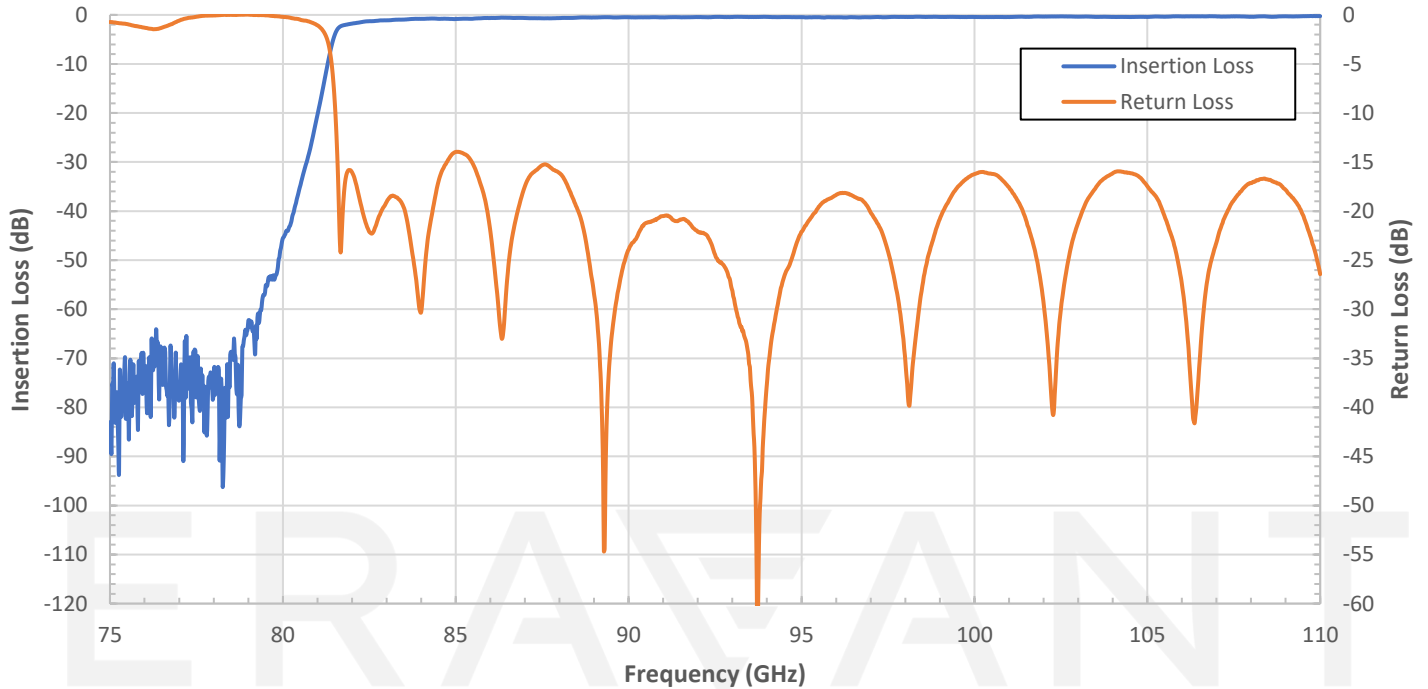
- Communication Systems
- Radar Systems
- Sub-assemblies

SUPPLEMENTAL DETAILS

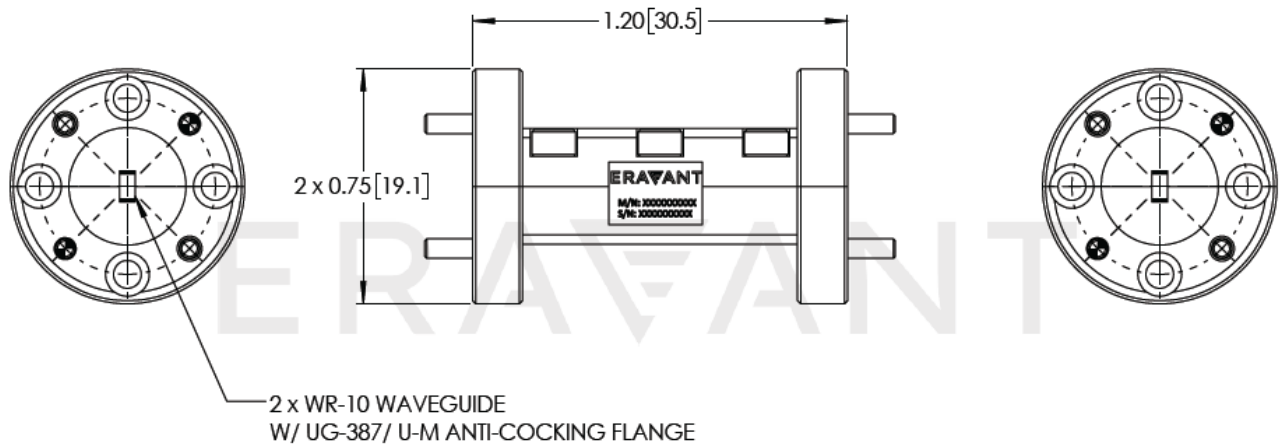


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Typical Measured Performance vs Frequency



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
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.