

SWF-13408340-06-B1

Waveguide Bandpass Filter, D Band, 124 to 132 GHz

SWF-13408340-06-B1 is a D band waveguide bandpass filter with a passband frequency of 124 to 132 GHz and rejection frequencies from DC to 118 GHz and 139 to 160 GHz. The nominal insertion loss of the bandpass filter is 2.5 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.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	124 GHz		132 GHz
Passband Insertion Loss		2.5 dB	
Passband Return Loss		15 dB	
Rejection Frequency, Low Side	DC		118 GHz
Rejection Frequency, High Side	139 GHz		160 GHz
Rejection		40 dB	
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
Waveguide Port	WR-06
Flange	UG-387/U-M Anti-Cocking
Material	Aluminum
Finish	Gold Plated
Weight	0.4 Oz
Outline	WF-BD-A

ECCN

EAR99

FEATURES

- Low Cost
- Low Insertion Loss
- High Rejection

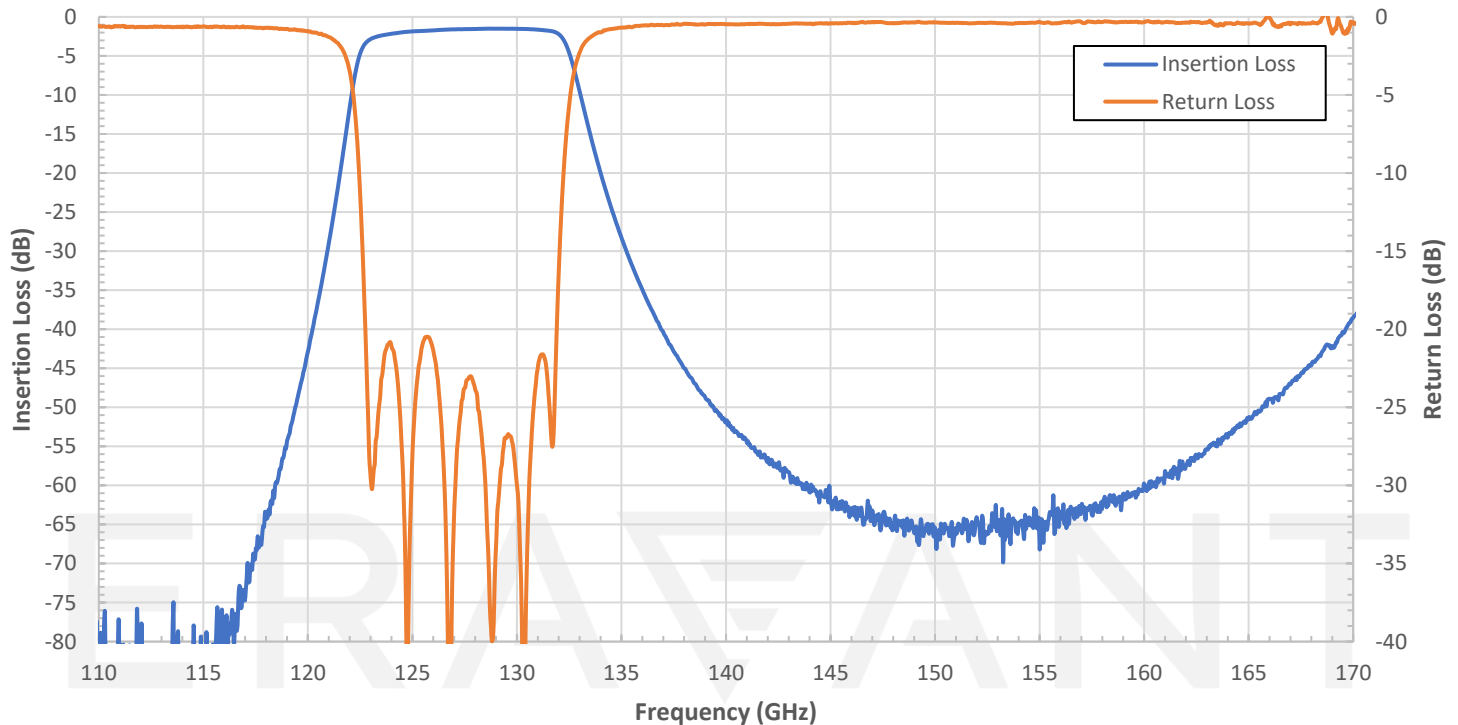
APPLICATIONS

- Communication Systems
- Radar Systems
- Sub-assemblies

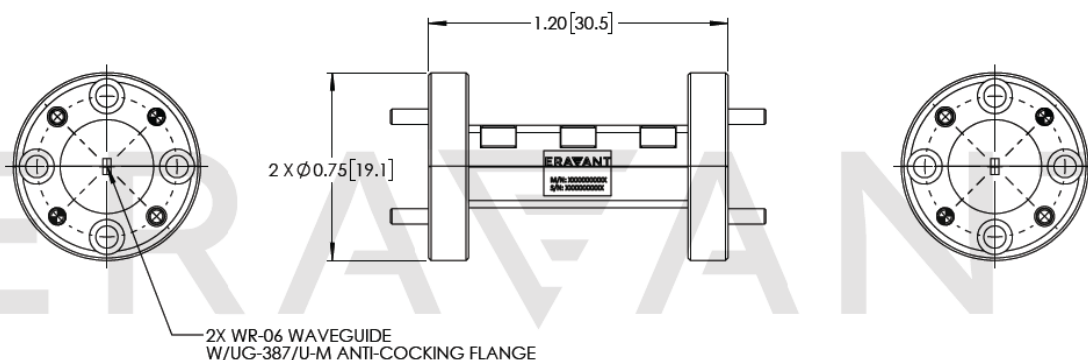
SUPPLEMENTAL DETAILS



Typical Measured Performance vs Frequency



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



NOTE:

- Test data provided is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room 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.