

SCF-21303340-SFSF-BA

Coaxial Bandpass Filter, 19 to 22 GHz, 40 dB Rejection

SCF-21303340-SFSF-BA is a coaxial bandpass filter with a passband frequency of 19 to 22 GHz. The typical insertion loss of the bandpass filter is 3.0 dB and the passband ripple is ± 0.75 dB. The rejection frequencies are DC to 17.5 GHz and 22.5 to 30 GHz. The typical rejection value is 40 dB and the typical passband return loss of the filter is 12 dB. The RF connectors of the filter are SMA female connectors. Other configurations, such as different connectors for input and output, are available under different model numbers.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	19 GHz		22 GHz
Passband Insertion Loss		3.0 dB	
Passband Ripple		± 0.75 dB	
Rejection Frequency, Low Side	DC		17.5 GHz
Rejection, Low Side		40 dB	
Rejection Frequency, High Side	22.5 GHz		30 GHz
Rejection, High Side		40 dB	
Passband Return Loss		12 dB	
Impedance		50 Ω	
Power Handling			1 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
RF Port 1	SMA Female
RF Port 2	SMA Female
Material	Aluminum
Finish	Black Paint
Size	3.66" (L) x 0.79" (W) x 0.30" (H), excluding connectors
Outline	CF-BK-JX1

ECCN

EAR99

FEATURES

- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

APPLICATIONS

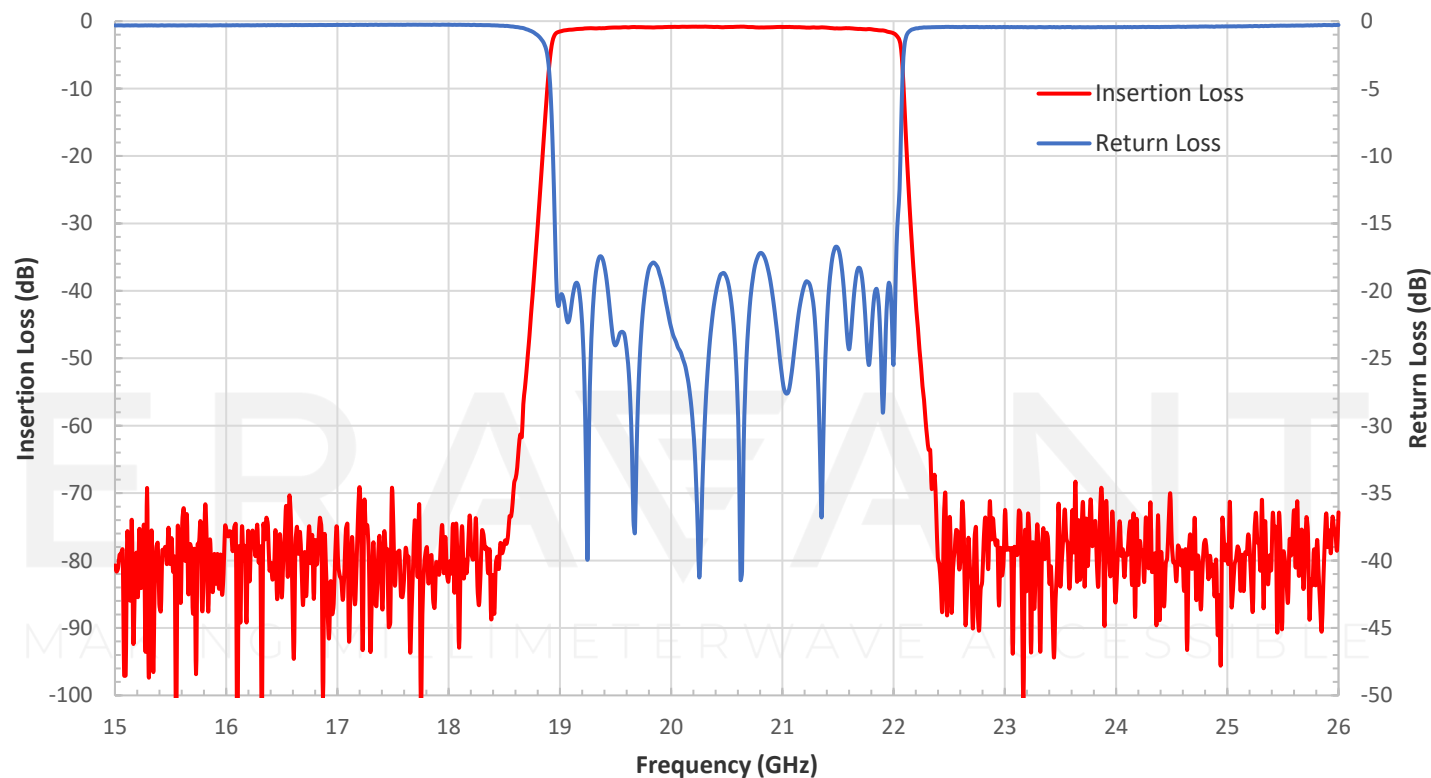
- Instrumentations
- Sub-assemblies
- System Integrations

SUPPLEMENTAL DETAILS

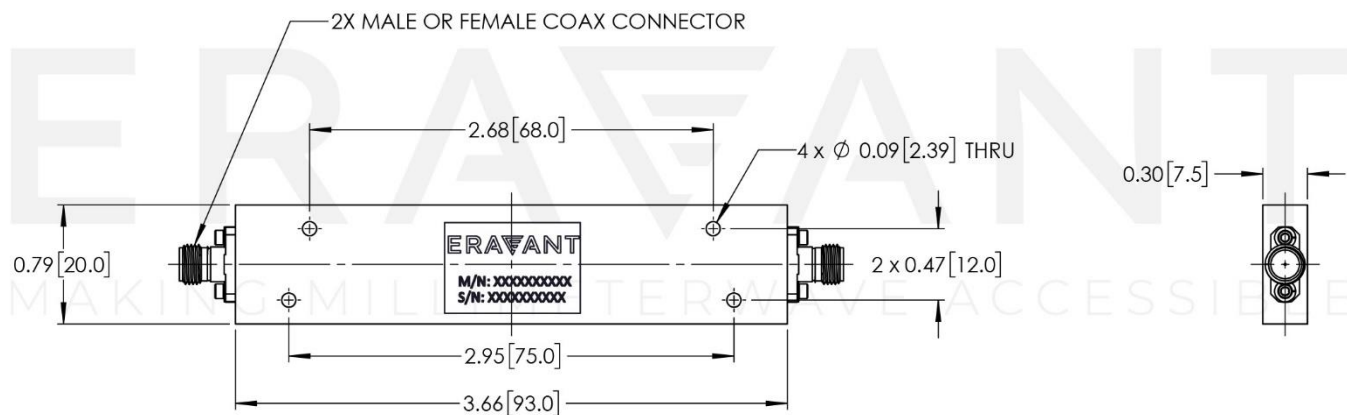


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Typical Performance vs. Frequency



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 slightly from unit to unit.
- All testing is performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Exceeding absolute maximum ratings shown will damage the device.
- Proper torque should be applied: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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