

SCF-01308245-SFSF-HB

Coaxial High-pass Filter, Passband 1 GHz and Higher

SCF-01308245-SFSF-HB is a coaxial high-pass filter to pass the frequency of 1 to 18 GHz. The typical insertion loss of the high-pass filter is 1.5 dB. The rejection frequencies are 0.8 GHz or less and the minimum rejection is 45 dB. The typical passband return loss of the filter is 10 dB. The RF connectors of the filter are SMA female connectors. Other port configurations, such as SMA male connector for either the input or output port, are available under different model numbers.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	1 GHz		18 GHz
Passband Insertion Loss		1.5 dB	
Rejection Frequency	DC		0.8 GHz
Rejection @ DC-0.8 GHz	45 dB		
Passband Return Loss		10 dB	
Impedance		50 Ω	
Power Handling			10 W (CW)
Specification Temperature		+25 $^{\circ}\text{C}$	
Operating Temperature	-40 $^{\circ}\text{C}$		+70 $^{\circ}\text{C}$

Mechanical Specifications:

Item	Specification
RF Port 1	SMA Female
RF Port 2	SMA Female
Material	Aluminum
Finish	Black Paint
Length	1.38" (L) x 0.99" (W) x 0.47" (H)
Outline	CF-HKU-CD1

ECCN

EAR99

FEATURES

- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

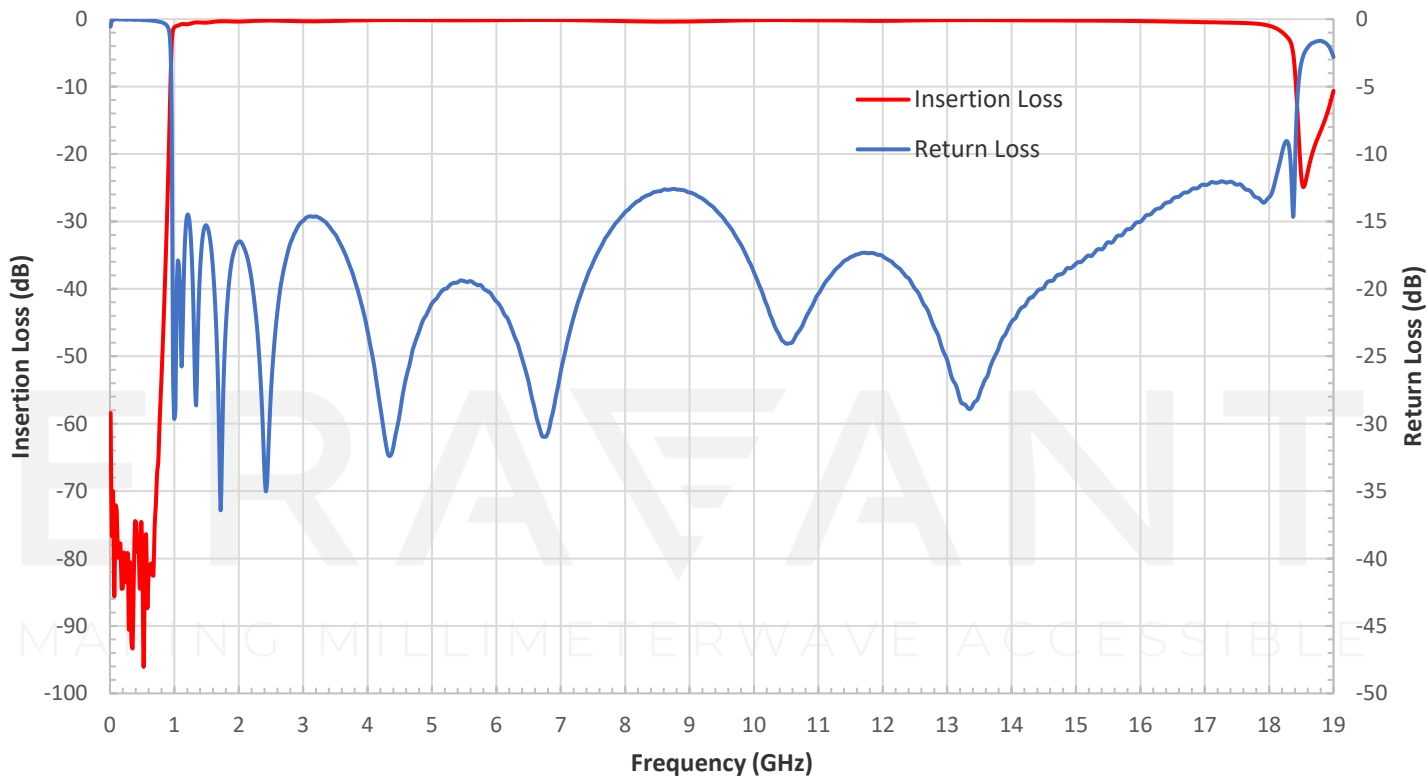
APPLICATIONS

- Instrumentations
- Sub-assemblies
- System Integrations

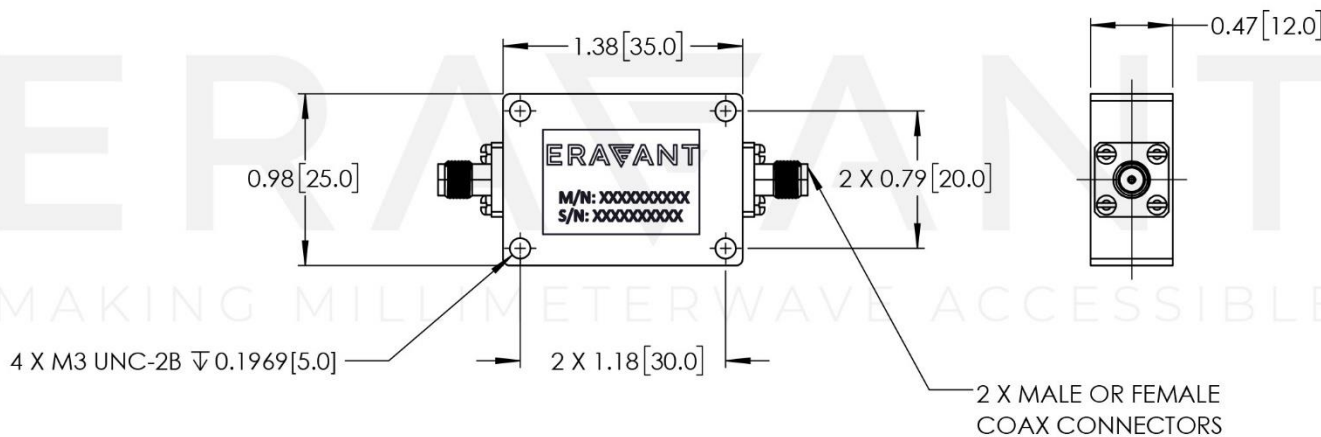
SUPPLEMENTAL DETAILS



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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