

SCF-06354255-KMKF-H3

Coaxial High-pass Filter, Passband 6 GHz and Higher

SCF-06354255-KMKF-H3 is a coaxial high-pass filter to pass the frequency of 6 to 18 GHz. The maximum insertion loss of the high-pass filter is 2.0 dB. The rejection frequencies are 5.4 GHz or less and the minimum rejection is 55 dB. The RF connectors of the filter are 2.92 mm (K) Male connector on one end and 2.92 mm (K) Female on the other end. The typical passband return loss of the filter is 14 dB.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	6 GHz		18 GHz
Passband Insertion Loss			2.0 dB
Rejection Frequency	DC		5.4 GHz
Rejection @ DC-5.4 GHz	55 dB	65 dB	
Rejection @ 5.6 GHz	20 dB		
Passband Return Loss		14 dB	
Impedance		50 Ω	
Power Handling			15 W (CW)
Specification Temperature		+25 $^{\circ}$ C	
Operating Temperature	-40 $^{\circ}$ C		+85 $^{\circ}$ C

Mechanical Specifications:

Item	Specification
RF Port 1	2.92 mm (K) Male
RF Port 2	2.92 mm (K) Female
Material	Aluminum
Finish	Black Paint
Length	0.98" (L) x 1.10" (W) x 0.39" (H)
Outline	CF-BFKU-LJ1

ECCN

EAR99

FEATURES

- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts

APPLICATIONS

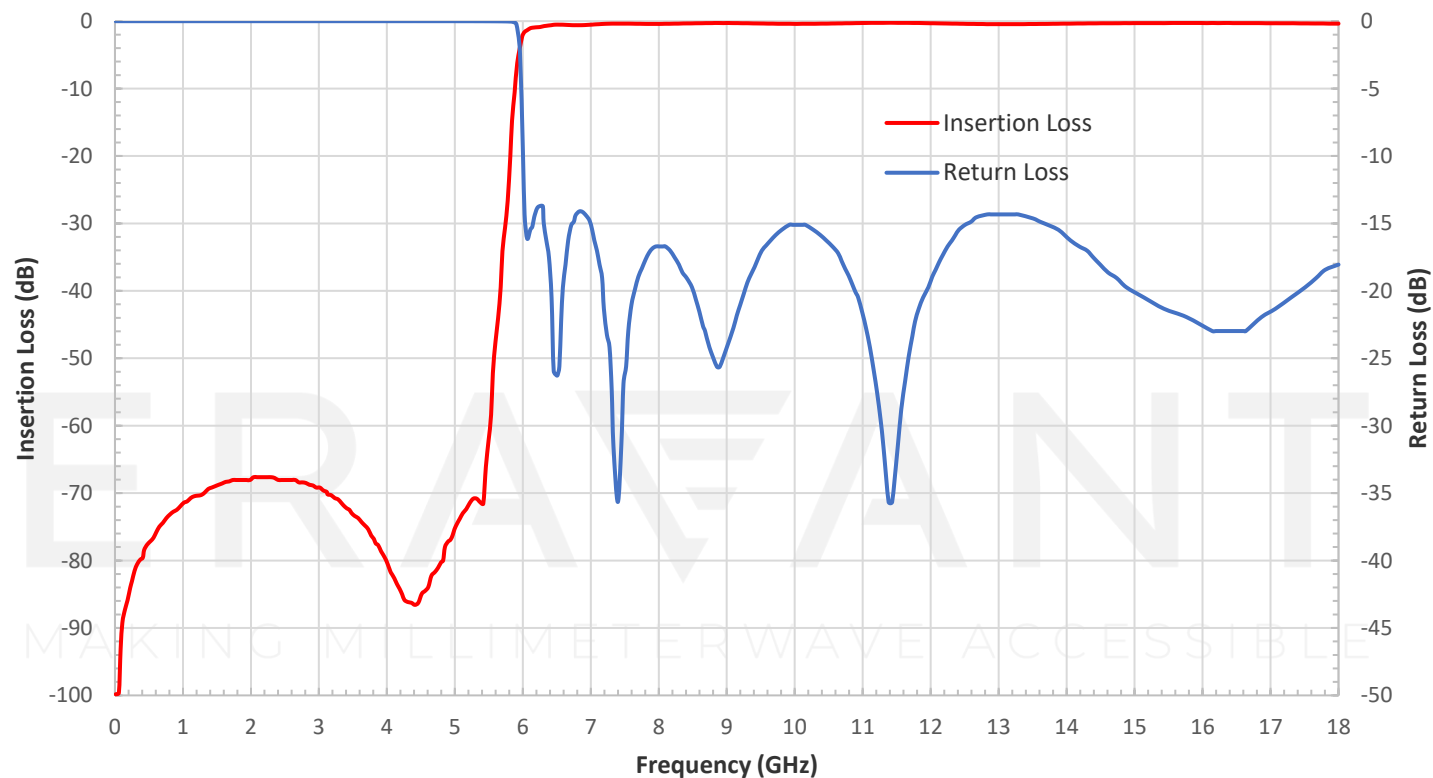
- Instrumentations
- Sub-assemblies
- System Integrations

SUPPLEMENTAL DETAILS

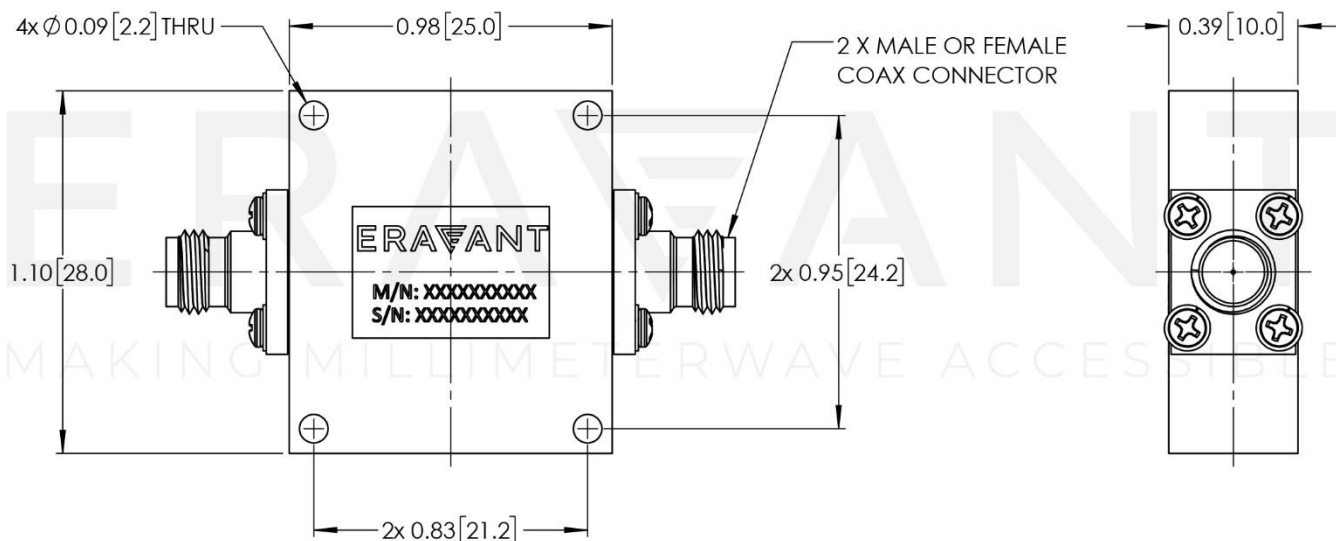


SCF-06354255-KMKF-H3

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.

ERAVANT

MAKING MILLIMETERWAVE ACCESSIBLE

ERAVANT

MAKING MILLIMETERWAVE ACCESSIBLE