

SCF-27307337-KFKF-B3

Coaxial Bandpass Filter, 23.5 to 30.5 GHz, 37 dB Rejection

SCF-27307337-KFKF-B3 is a coaxial bandpass filter with a passband frequency of 23.5 to 30.5 GHz. The typical insertion loss of the bandpass filter is 2 dB and the passband ripple is ± 1.0 dB. The rejection frequencies are 10 GHz to 17 GHz and 35 GHz to 48 GHz. The typical rejection is 37 dB and the typical passband return loss of the filter is 12 dB. The RF connectors of the filter are 2.92 mm Female connectors. Other configurations are available under different model numbers.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency	23.5 GHz		30.5 GHz
Passband Insertion Loss		2 dB	
Passband Ripple		± 1.0 dB	
Rejection Frequency, Low Side	10 GHz		17 GHz
Rejection, Low Side		37 dB	
Rejection Frequency, High Side	35 GHz		48 GHz
Rejection, High Side		37 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	2.92 mm (K) Female
RF Port 2	2.92 mm (K) Female
Material	Aluminum
Finish	Black Paint
Length	1.5" (L) x 0.67" (W) x 0.30" (H)
Outline	CF-B3-LJ6

ECCN

EAR99

FEATURES

- Low Insertion Loss
- High Rejection
- Steep Rejection Skirts
- Field Replaceable RF Connectors

APPLICATIONS

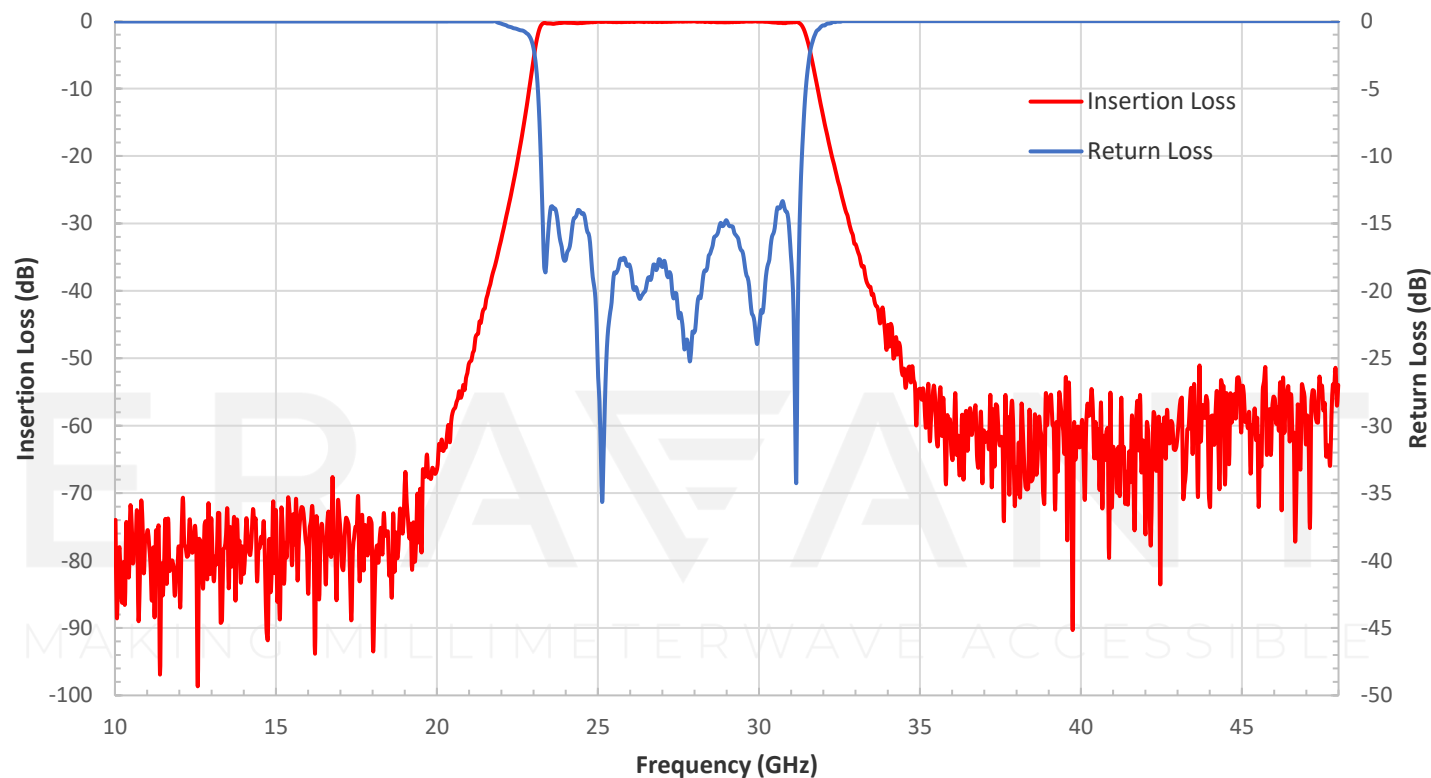
- Instrumentations
- Sub-assemblies
- System Integrations

SUPPLEMENTAL DETAILS

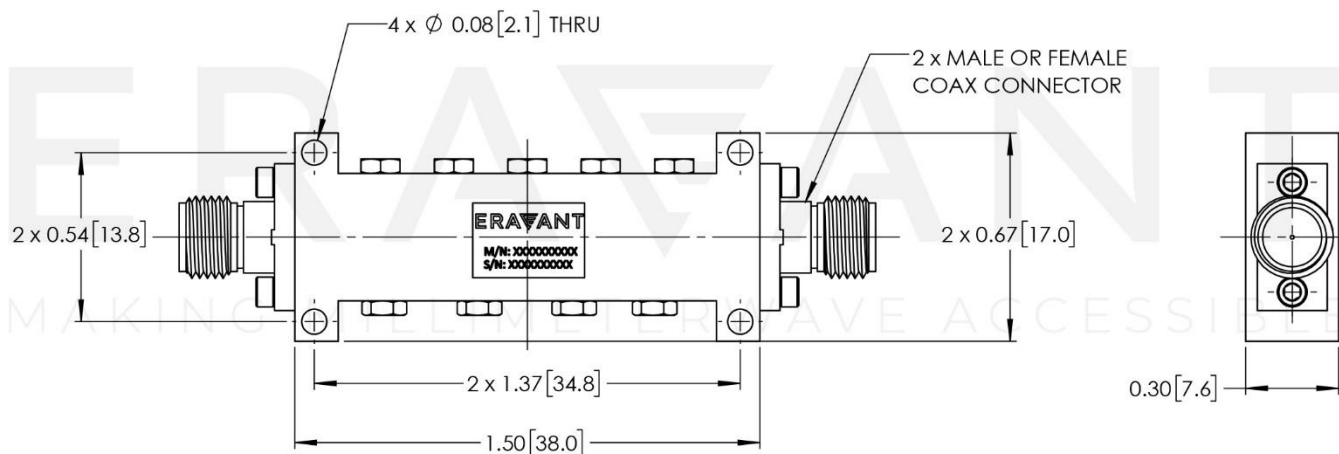


SCF-27307337-KFKF-B3

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