SCF-24324340-KFKF-N3

Advanced

Coaxial Band Stop Filter, 24.125 GHz, 40 dB Rejection

Description:

Model SCF-24324340-KFKF-N3 is a coaxial band stop filter with passband frequencies from DC to 23.5 GHz and 25 to 40 GHz and a rejection frequency from 24.0 to 24.25 GHz. The filter provides a typical insertion loss of 3.0 dB across its passband and a minimum rejection of 40 dB at this rejection band.

Features:

- Notch at 24.125 GHz
- High Rejection
- Narrow Notch Bandwidth
- Other Frequency Available

Applications:

- Radar
- Communication
- 5G Systems

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Passband Frequency, Low Side	DC		23.5 GHz
Passband Frequency, High Side	25 GHz		40 GHz
Passband Insertion Loss		3.0 dB	
Rejection Frequency	24.0 GHz		24.25 GHz
Rejection		40 dB	
Passband Return Loss		9 dB	
Impedance		50 Ω	
Power Handling			1 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-20 °C		+60 °C

Mechanical Specifications:

Item	Specifications
RF Ports	K(F)
Material	Aluminum
Finishing	Black Painted
Weight	1.6 Oz
Size	1.57” (L) x 0.59” (W) x 0.39” (H)
Outline	CF-NK-LJ1

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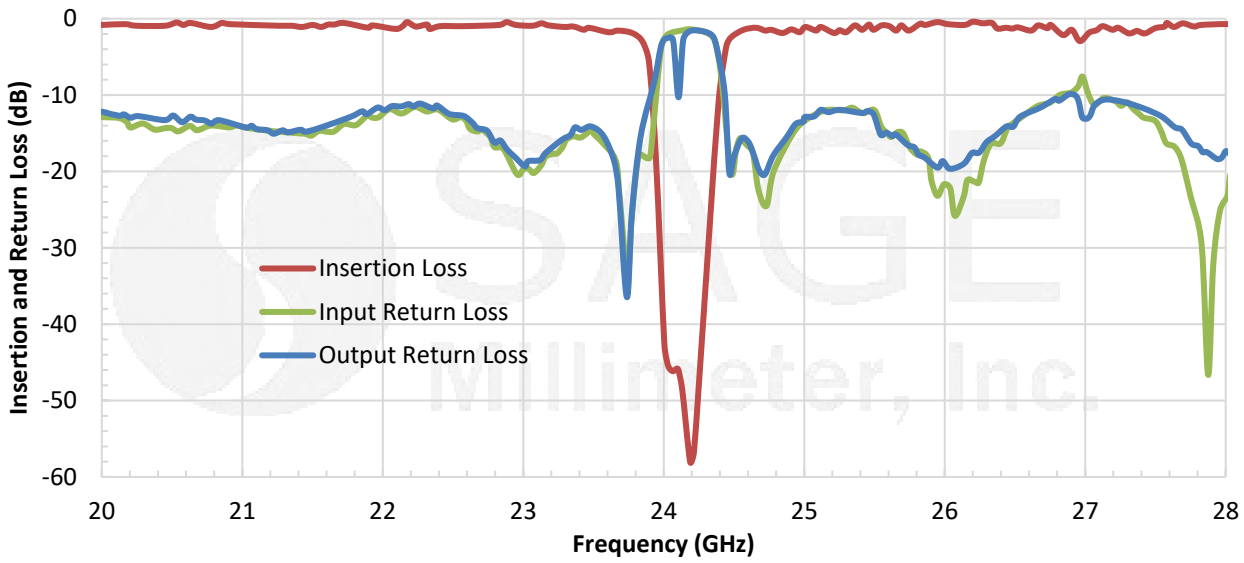
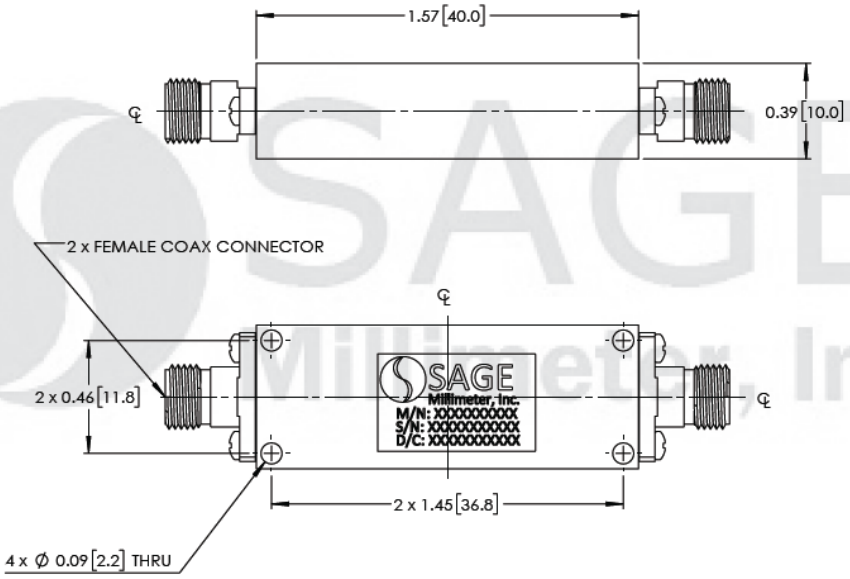
Typical Performance vs. Frequency



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 unit to unit.
- All testing was performed under +25 ˚C case temperature.
- Eravant reserves the right to change the information presented without notice.

Caution:

- Proper torque, 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm), should be applied. **Eravant torque wrench, model SCH-08008-S1, is highly recommended.**

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