



Coaxial Lowpass Filter, Passband DC to 26 GHz

Description:

Model SCF-26328335-SFSF-L3 is a coaxial lowpass filter to pass the frequency of DC to 26 GHz. The maximum insertion loss of the lowpass filter is 3.0 dB and passband ripple is ± 0.5 dB. The rejection band is from 28 to 40 GHz and rejection value is 35 dB typical. The RF connectors of the filter are SMA(F) connectors. The passband return loss of the filter is 11 dB typical. Other configuration, such as different connectors for input and output are available under different model numbers.



Features:

- Broad Passband
- Low Insertion Loss

Applications:

- Test Labs
- Instrumentations
- Sub-assemblies

Electrical Specifications:

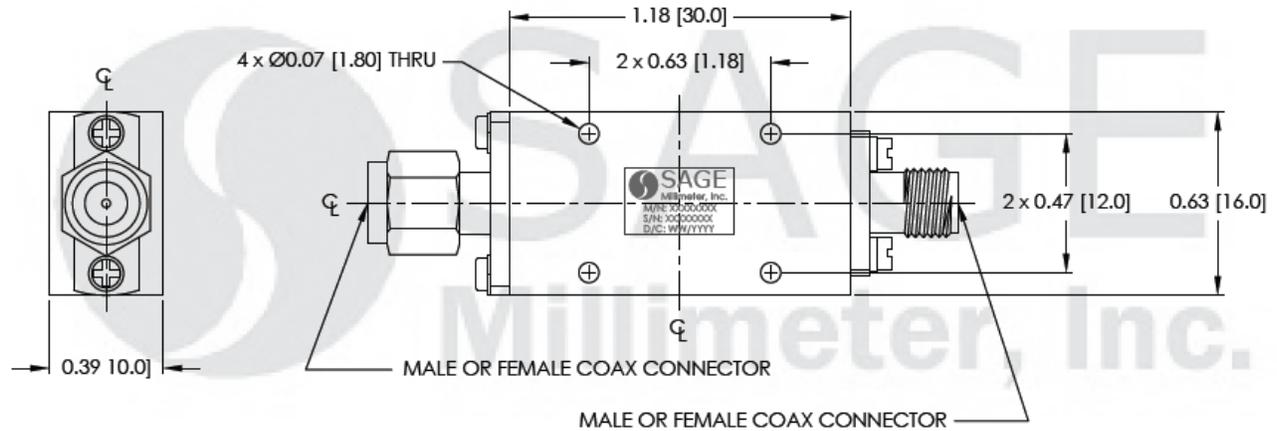
Parameter	Minimum	Typical	Maximum
Passband Frequency	DC		26 GHz
Passband Insertion Loss		2.5 dB	3.0 dB
Rejection Frequency	28 GHz		40 GHz
Rejection Value		35 dB	
Passband Return Loss		11 dB	
Impedance		50 Ω	
Power Handling			1 W (CW)
Specification Temperature		+25 $^{\circ}$ C	
Operating Temperature	-40 $^{\circ}$ C		+75 $^{\circ}$ C

Mechanical Specifications:

Item	Specifications
RF Ports	SMA(F) and SMA(F)
Case Material	Aluminum
Finishing	Black Paint
Weight	0.5 Oz
Size	1.18" (L) x 0.63" (W) x 0.39" (H)
Outline	CF-LA-LJ3

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Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

- SAGE Millimeter, Inc. 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. **SAGE Millimeter torque wrench, model SCH-08008-U3, is highly recommended.**

