

Coaxial Bandpass Filter, 18 to 26 GHz

Description:

SCF-22308340-SFSF-B3 is a coaxial bandpass filter with a passband frequency of 18.0 to 26.0 GHz. The maximum insertion loss of the bandpass filter is 3.0 dB and the passband ripple is ± 0.75 dB. The rejection frequencies are 16.8 GHz or less and 26.5 to 30.0 GHz. The typical rejection is 40 dB and the minimum passband return loss of the filter is 10 dB. The RF connectors of the the filter are SMA Female connectors. Other configurations are available under different model numbers.



Features:

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

Applications:

- Instrumentations
- Sub-assemblies
- System Integrations

Electrical Specifications:

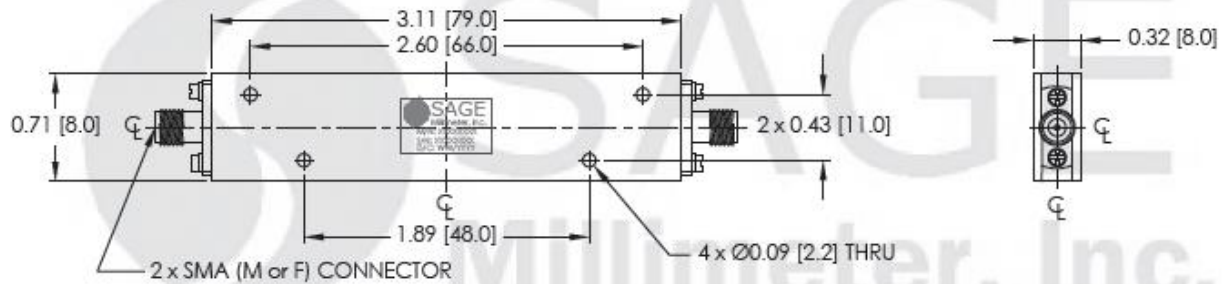
Parameter	Minimum	Typical	Maximum
Passband Frequency	18.0 GHz		26.0 GHz
Passband Insertion Loss			3.0 dB
Passband Ripple			± 0.75 dB
Rejection Frequency, Low Side	DC		16.8 GHz
Rejection, Low Side		40 dB	
Rejection Frequency, High Side	26.5 GHz		30.0 GHz
Rejection, High Side		40 dB	
Passband Return Loss	10 dB		
Impedance		50 Ω	
Power Handling			5 W (CW)
Specification Temperature		+25 $^{\circ}$ C	
Operating Temperature	-40 $^{\circ}$ C		+85 $^{\circ}$ C

Mechanical Specifications:

Item	Specifications
RF Port 1	SMA Female
RF Port 2	SMA Female
Material	Aluminum
Finish	Black Paint
Outline	CF-BK-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.**