

Bandpass Cavity Filter Operating From 27.5 GHz to 31 GHz With SMA Female Connectors

The SF2393-SMA is a nine section band pass filter that is useful for filtering for VSAT uses. The pass band is 3.5 GHz, or 27.5 to 31 GHz. Implementing a Chebyshev design, the filter has excellent rejection of 50 dB minimum at 25 GHz and 32.75 GHz. It has a maximum insertion loss of 2.5 dB. The SF2393-SMA has SMA Female connectors.

Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	27.5		31	GHz
Impedance		50		Ohms
Insertion Loss			2.5	dB
Passband VSWR		1.6:1		
Rejection at 25 GHz	50			dB
Rejection at 32.75 GHz	50			dB

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Size	
Length	1.7 in [43.18 mm]
Width	0.38 in [9.65 mm]
Height	0.38 in [9.65 mm]
Weight	0.0595 lbs [26.99 g]

Configuration	
Design	Bidirectional Chebyshev
Number of Sections	9
Package Style	Connectorized
Connector 1	SMA Female
Connector 2	SMA Female

Mechanical Specification Notes:
Comes with a ruggedized housing.

Environmental Specifications

Temperature	
Operating Range	0 to +70 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:



Features:

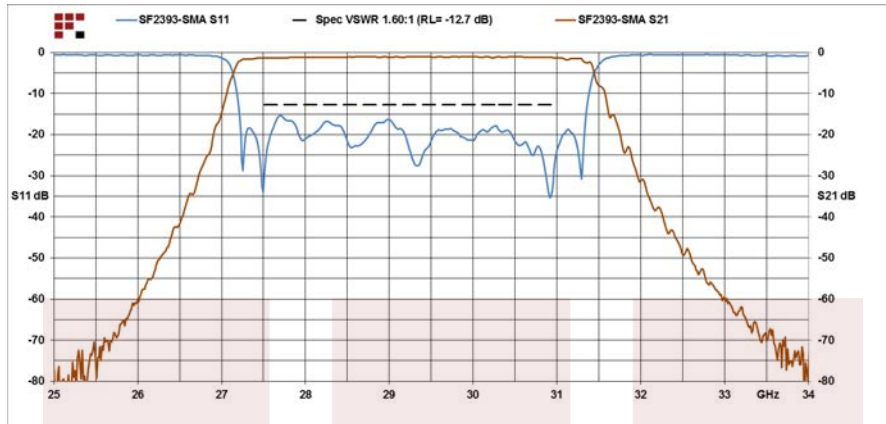
- Pass band of 3.5 GHz
- 27.5 to 31 GHz
- Nine section
- Chebyshev filter design
- 50 dB minimum rejection at 25 GHz and 32.75 GHz
- Maximum insertion loss of 2.5 dB
- Female SMA connectors

Applications:

- VSAT

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Typical Performance Data

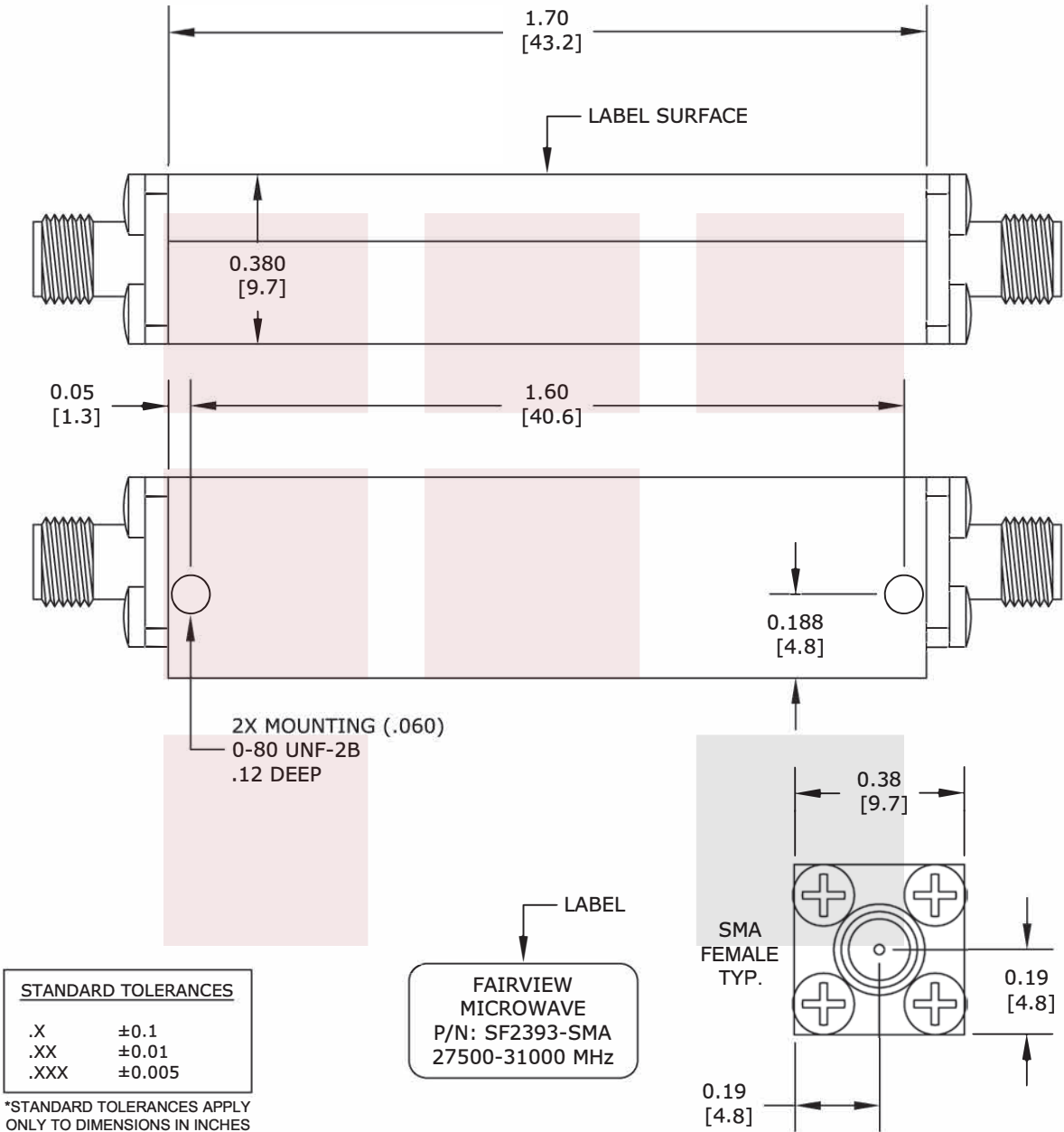


Bandpass Cavity Filter Operating From 27.5 GHz to 31 GHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 27.5 GHz to 31 GHz With SMA Female Connectors SF2393-SMA](#)

URL: <https://www.fairviewmicrowave.com/bandpass-cavity-filter-27.5-31-ghz-with-sma-female-connectors-sf2393-sma-p.aspx>

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TITLE		SF2393-SMA		3FKR5	
Bandpass Cavity Filter Operating From 27.5 GHz to 31 GHz With SMA Female Connectors		CAD FILE	SHEET	SCALE	SIZE
		031116		N/A	A
					3045