

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:

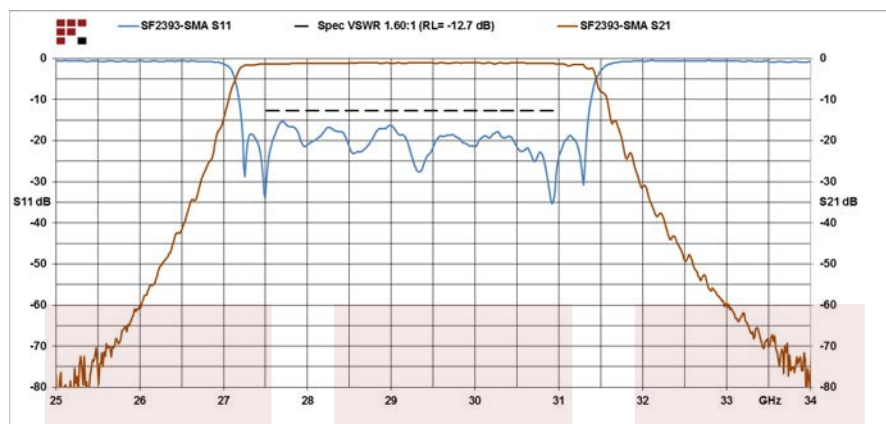
- Pass band of 3.5 GHz
- 27.5 to 31 GHz
- Nine section
- Chebyshev filter design
- 50 dB minimum rejection at 25 GHz and 32.75 GHz
- Maximum insertion loss of 2.5 dB
- Female SMA connectors

Applications:

- VSAT

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

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](https://www.fairviewmicrowave.com/bandpass-cavity-filter-27.5-31-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>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Signal Conditioning](#) category:

Click to view products by [Fairview Microwave](#) manufacturer:

Other Similar products are found below :

[PD0409J5050S2HF](#) [AFS14A35-1591.50-T3](#) [AFS20A20-1227.60-T3](#) [JP510S](#) [LFB322G45SN1A504](#) [SF2159E](#) [MAPDCC0005](#)
[BD0810N50100AHF](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [X3C19F1-20S](#) [XC3500P-20S](#) [CDBLB455KCAX39-B0](#) [PD0922J5050D2HF](#)
[1E1305-3](#) [1F1304-3S](#) [BD1222J50200AHF](#) [BD1722J50100AHF](#) [BD0810J50150AHF](#) [BD1722J50200AHF](#) [TP-101-PIN](#) [T-1000-N](#) [XC0900P-](#)
[10S](#) [XC0900B-30S](#) [11305-10](#) [5962-9091202MXA](#) [X3C06A4-03S](#) [DSS-333-PIN](#) [PD2425J5050S2HF](#) [B39242B4360P810](#)
[B39781B8005P810](#) [B39881B8013P810](#) [B39771B8035P810](#) [B39741B8012P810](#) [B39212B8033P810](#) [B39162B8636P810](#) [SF2225E](#) [SF2275E](#)
[SF2395E](#) [SF2188D](#) [LFB182G45BG7D948](#) [SF2201E](#) [DC1722J5005AHF](#) [B39272B8818P810](#) [SF2253E](#) [SF2202E](#) [SF2182D](#) [SF2211E](#)
[SF2240E](#) [SF2307D](#)