

Bandpass Cavity Filter Operating From 7.25 GHz to 7.75 GHz With SMA Female Connectors

The SF2403-SMA is an eight section band pass filter that is useful for filtering for VSAT uses. The pass band is 500 MHz, or 7.25 to 7.75 GHz. Implementing a Comblaine design, the filter has excellent rejection of 30 dB minimum at 7.9 GHz to 8.4 GHz frequency range. It has a maximum insertion loss of 1.75 dB. The SF2403-SMA has SMA Female connectors.

Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	7.25		7.75	GHz
Impedance		50		Ohms
Insertion Loss			1.75	dB
Passband VSWR		1.6:1		
Rejection at 7.9 GHz	30			dB
Rejection at 8.4 GHz	30			dB
Input Power, CW			5	Watts

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

Mechanical Specifications

Size

Length	2.93 in [74.42 mm]
Width	0.56 in [14.22 mm]
Height	0.53 in [13.46 mm]

Configuration

Design	Bidirectional Comblaine
Number of Sections	8
Package Style	Connectorized Module
Connector 1	SMA Female
Connector 2	SMA Female

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant	Yes
REACH Compliant	12/17/2015

Plotted and Other Data

Notes:



Features:

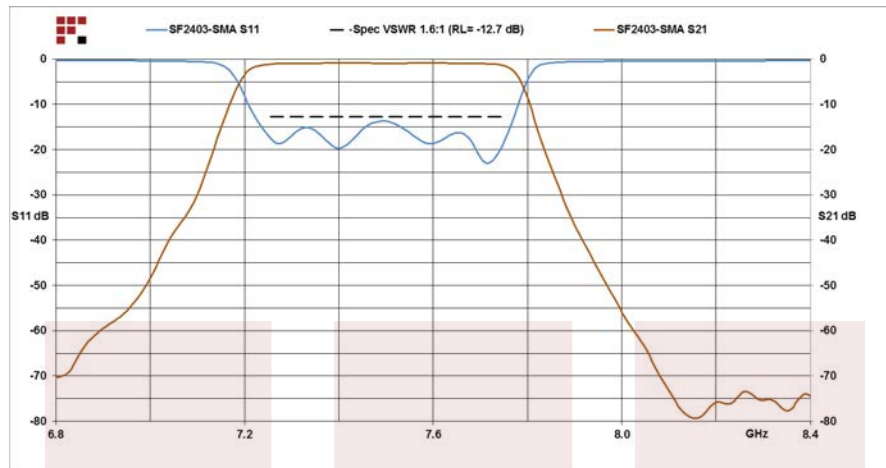
- Pass band of 500 MHz
- 7.25 to 7.75 GHz
- Eight section
- Comblaine filter design
- 30 dB minimum rejection at 7.9 GHz to 8.4 GHz frequency range
- Maximum insertion loss of 1.75 dB
- Female SMA connectors

Applications:

- VSAT

Fairview Microwave
1130 Junction Dr. #100
Allen, TX 75013
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Typical Performance Data

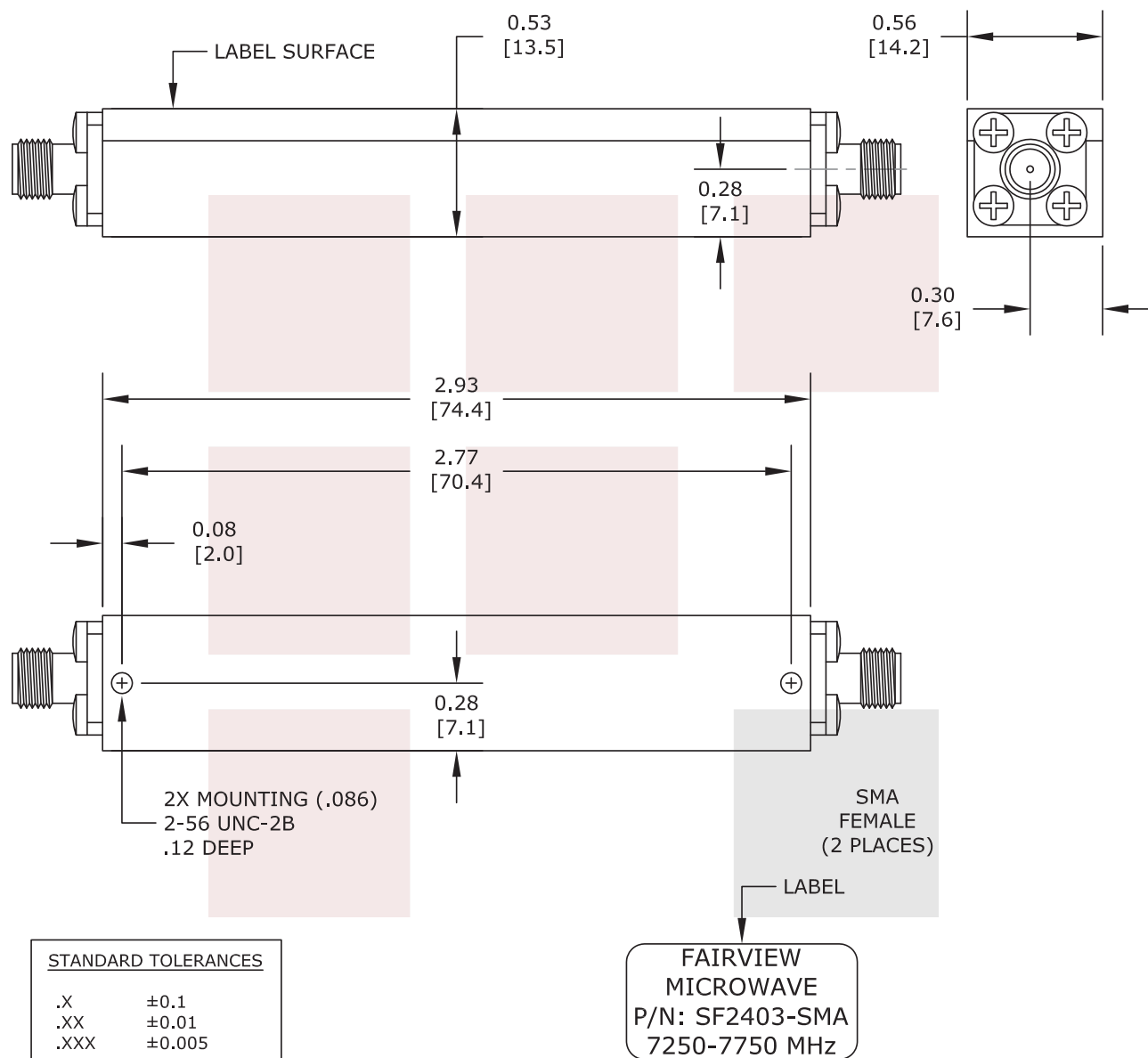


Bandpass Cavity Filter Operating From 7.25 GHz to 7.75 GHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 7.25 GHz to 7.75 GHz With SMA Female Connectors SF2403-SMA](http://www.fairviewmicrowave.com/bandpass-cavity-filter-with-sma-female-connectors-sf2403-sma-p.aspx)

URL: <http://www.fairviewmicrowave.com/bandpass-cavity-filter-with-sma-female-connectors-sf2403-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.



FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE Bandpass Cavity Filter Operating From 7.25 GHz to 7.75 GHz With SMA Female Connectors		DWG NO SF2403-SMA		CAGE CODE 3FKR5	
CAD FILE	052014	SHEET	SCALE	N/A	SIZE A 3045