

Bandpass Cavity Filter Operating From 7.9 GHz to 8.4 GHz With SMA Female Connectors

The SF2404-SMA is an eight section band pass filter that is useful for filtering for VSAT uses. The pass band is 500 MHz, or 7.9 to 8.4 GHz. Implementing a Comblin design, the filter has excellent rejection of 30 dB minimum at 7.25 GHz to 7.75 GHz frequency range. It has a maximum insertion loss of 1.75 dB. The SF2404-SMA has SMA Female connectors.



Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	7.9		8.4	GHz
Impedance		50		Ohms
Insertion Loss			1.75	dB
Passband VSWR		1.5:1		
Rejection at 7.25 GHz	30			dB
Rejection at 7.75 GHz	30			dB
Input Power, CW			5	Watts

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

Mechanical Specifications

Size	
Length	3.02 in [76.71 mm]
Width	0.56 in [14.22 mm]
Height	0.53 in [13.46 mm]
Configuration	
Design	Bidirectional Comblin
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:

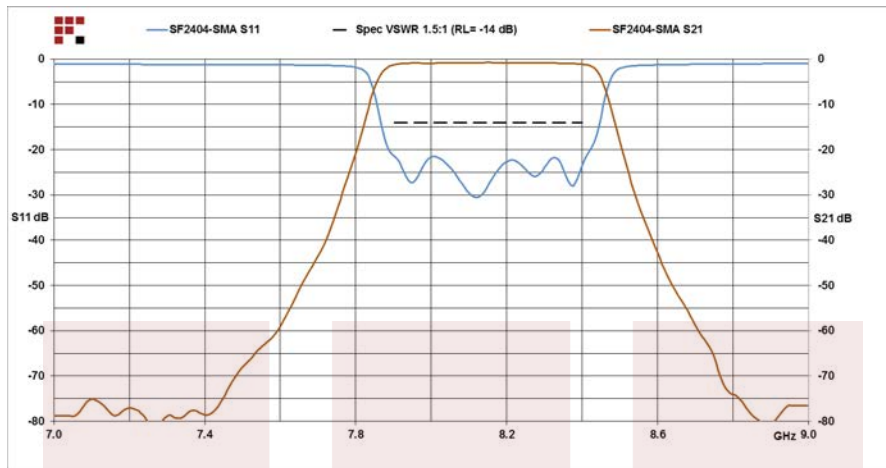
- Pass band of 500 MHz
- 7.9 to 8.4 GHz
- Eight section
- Comblin filter design
- 30 dB minimum rejection at 7.25 GHz to 7.75 GHz frequency range
- Maximum insertion loss of 1.75 dB
- Female SMA connectors

Applications:

- VSAT

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Typical Performance Data

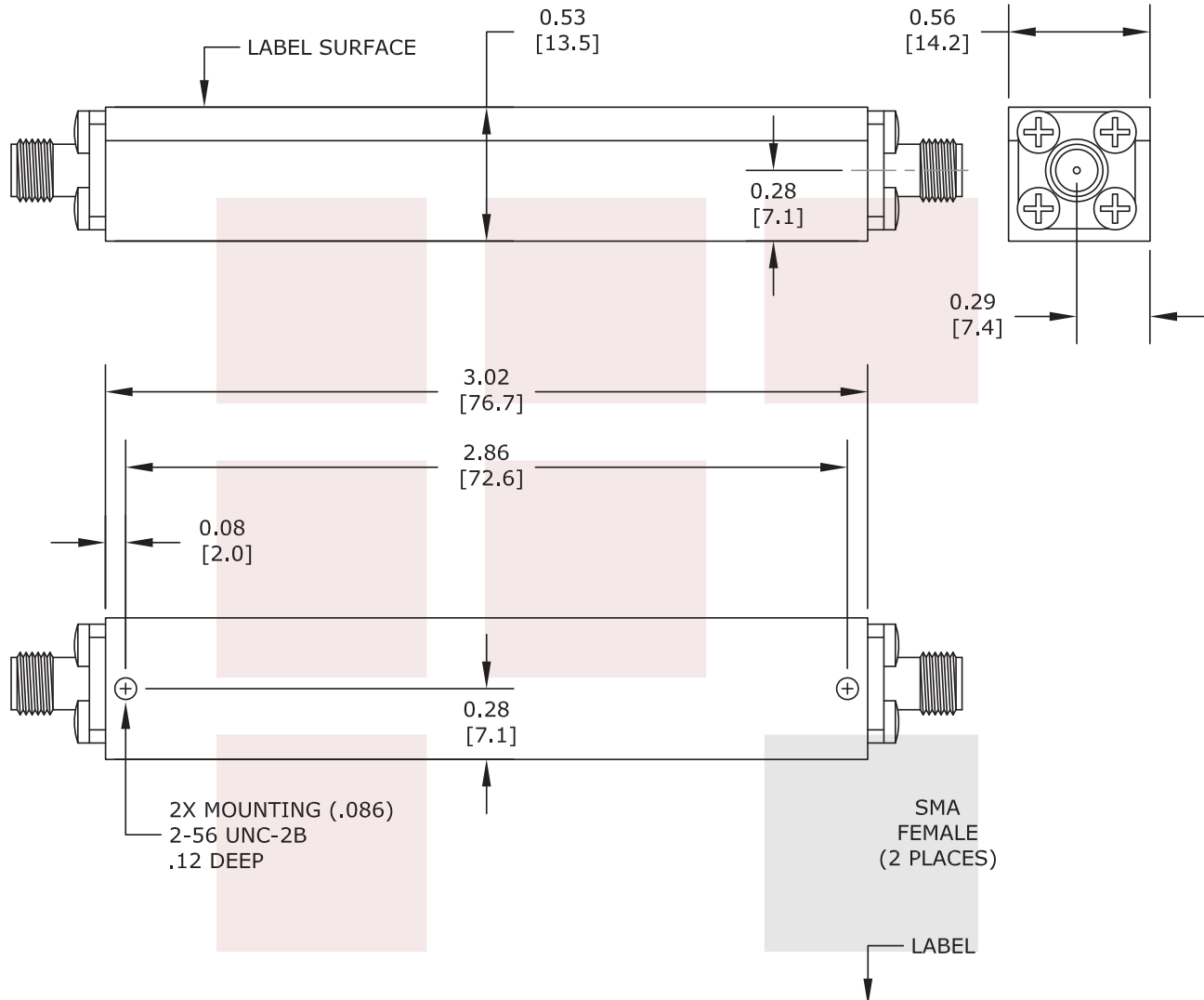


Bandpass Cavity Filter Operating From 7.9 GHz to 8.4 GHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 7.9 GHz to 8.4 GHz With SMA Female Connectors SF2404-SMA](#)

URL: <http://www.fairviewmicrowave.com/bandpass-cavity-filter-with-sma-female-connectors-sf2404-sma-p.aspx>

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STANDARD TOLERANCES	
.X	±0.1
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW
MICROWAVE
P/N: SF2404-SMA
7900-8400 MHz

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 7.9 GHz to 8.4 GHz With SMA Female Connectors		DWG NO SF2404-SMA		CAGE CODE 3FKR5	
CAD FILE	031116	SHEET	SCALE	N/A	SIZE A 3045