

**Bandpass Cavity Filter Operating From 5.25 GHz to 5.85 GHz With SMA Female Connectors**

The SF2402-SMA is a six section band pass filter that is useful for filtering for P2P and public safety uses. The pass band is 600 MHz, or 5.25 to 5.85 GHz. Implementing a Comblaine design, the filter has excellent rejection of 30 dB minimum at 4.4 GHz to 4.95 GHz frequency range. It has a maximum insertion loss of 1.25 dB. The SF2402-SMA has SMA Female connectors.



**Electrical Specifications**

Description	Min	Typ	Max	Units
Passband Frequency	5.25		5.85	GHz
Impedance		50		Ohms
Insertion Loss			1.25	dB
Passband VSWR		1.5:1		
Rejection at 4.4 GHz	30			dB
Rejection at 4.95 GHz	30			dB
Input Power, CW			5	Watts

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

**Mechanical Specifications**

Size	
Length	2 in [50.8 mm]
Width	0.69 in [17.53 mm]
Height	0.53 in [13.46 mm]
Configuration	
Design	Bidirectional Comblaine
Number of Sections	6
Package Style	Connectorized Module
Connector 1	SMA Female
Connector 2	SMA Female

**Compliance Certifications** (visit [www.FairviewMicrowave.com](http://www.FairviewMicrowave.com) for current document)

RoHS Compliant	Yes
REACH Compliant	12/17/2015

**Plotted and Other Data**

Notes:

**Features:**

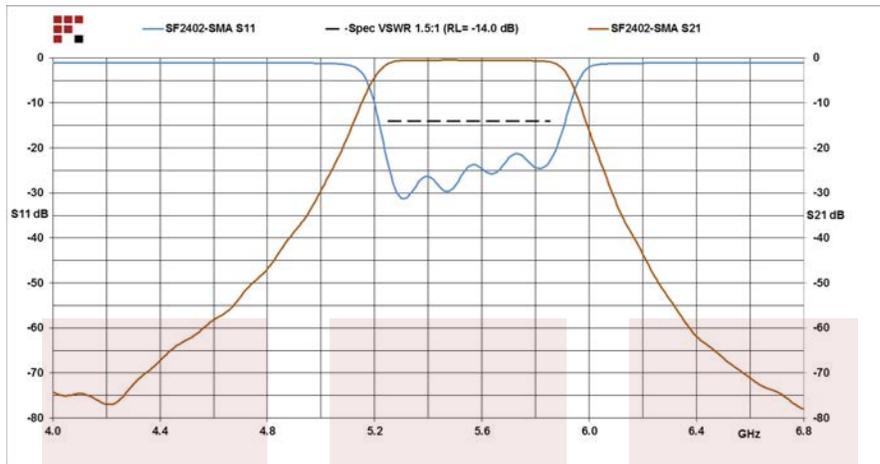
- Pass band of 600 MHz
- 5.25 to 5.85 GHz
- Six section
- Comblaine filter design
- 30 dB minimum rejection at 4.4 GHz to 4.95 GHz frequency range
- Maximum insertion loss of 1.25 dB
- Female SMA connectors

**Applications:**

- P2P
- Public Safety

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**Typical Performance Data**

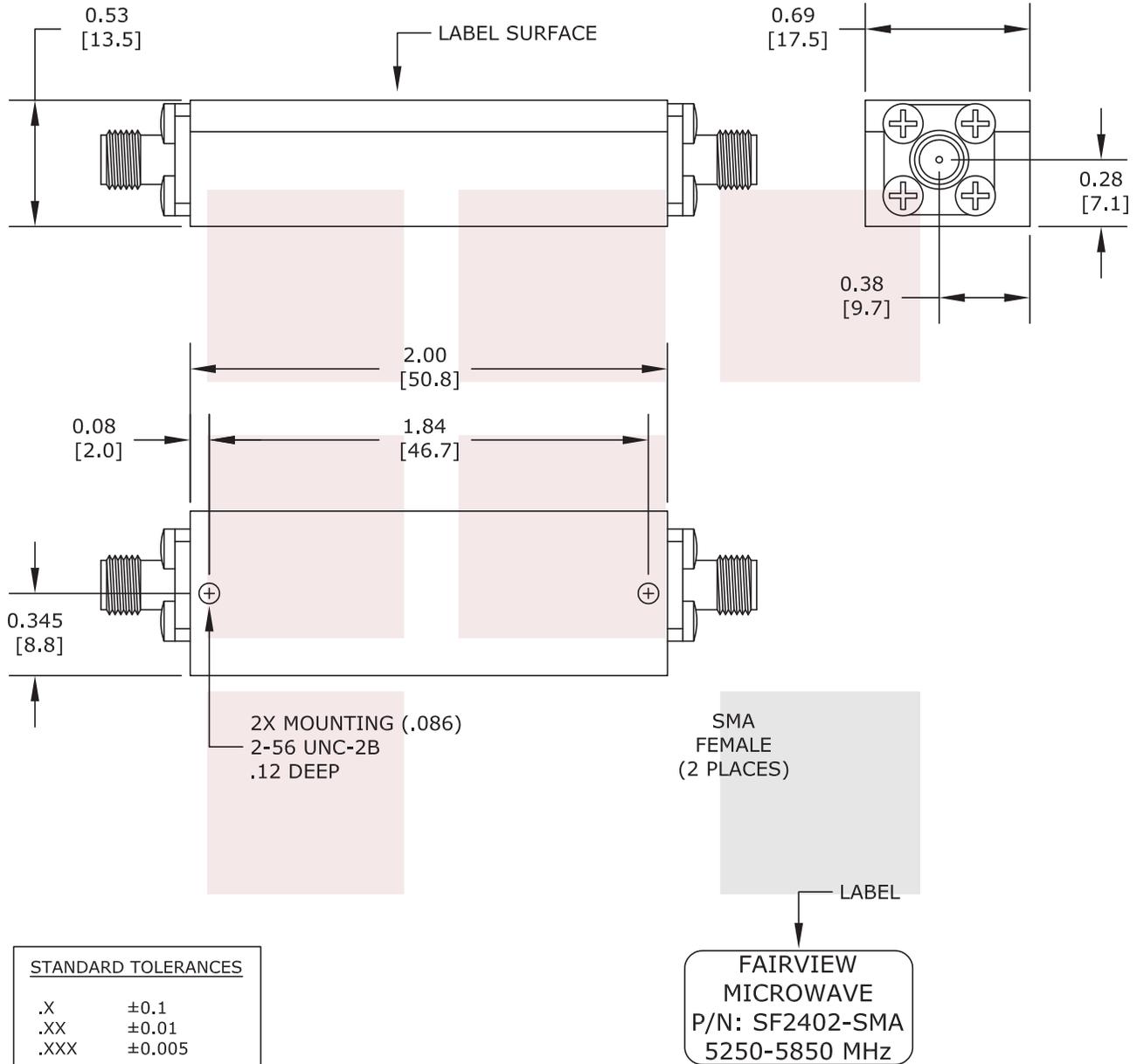


Bandpass Cavity Filter Operating From 5.25 GHz to 5.85 GHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 5.25 GHz to 5.85 GHz With SMA Female Connectors SF2402-SMA](#)

URL: <http://www.fairviewmicrowave.com/bandpass-cavity-filter-with-sma-female-connectors-sf2402-sma-p.aspx>

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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  
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DWG NO	SF2402-SMA	CAGE CODE	3FKR5		
CAD FILE	031116	SHEET	SCALE N/A	SIZE A	3045