

## Bandpass Cavity Filter Operating From 4.4 GHz to 4.95 GHz With SMA Female Connectors

The SF2401-SMA is a six section band pass filter that is useful for filtering for P2P and public safety uses. The pass band is 550 MHz, or 4.4 to 4.95 GHz. Implementing a Comblaine design, the filter has excellent rejection of 30 dB minimum at 5.25 GHz to 5.85 GHz frequency range. It has a maximum insertion loss of 1.25 dB. The SF2401-SMA has SMA Female connectors.

### Electrical Specifications

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

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

### Mechanical Specifications

<b>Size</b>		
Length		1.97 in [50.04 mm]
Width		0.74 in [18.8 mm]
Height		0.53 in [13.46 mm]
Weight		0.155 lbs [70.31 g]
<b>Configuration</b>		
Design		Bidirectional Comblaine
Number of Sections		6
Package Style		Connectorized
Connector 1		SMA Female
Connector 2		SMA Female

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-30 to +70 deg C

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

### Plotted and Other Data

Notes:



### Features:

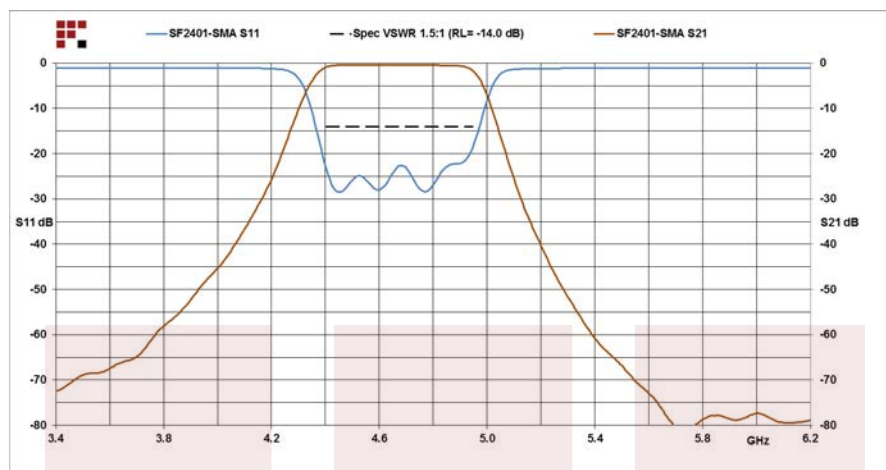
- Pass band of 550 MHz
- 4.4 to 4.95 GHz
- Six section
- Comblaine filter design
- 30 dB minimum rejection at 5.25 GHz to 5.85 GHz frequency range
- Maximum insertion loss of 1.25 dB
- Female SMA connectors

### Applications:

- P2P
- Public Safety

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## Typical Performance Data

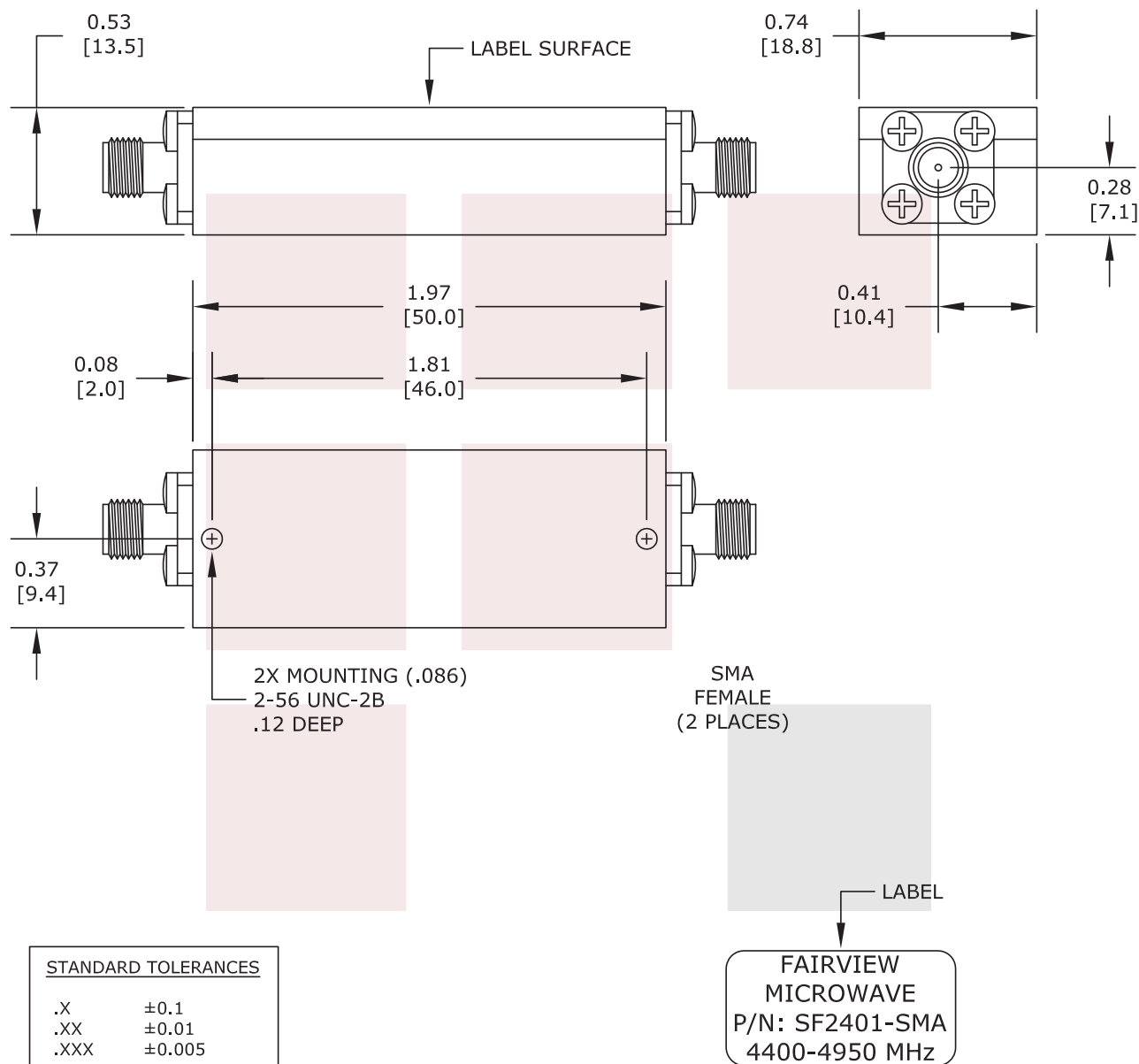


Bandpass Cavity Filter Operating From 4.4 GHz to 4.95 GHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 4.4 GHz to 4.95 GHz With SMA Female Connectors SF2401-SMA](https://www.fairviewmicrowave.com/bandpass-cavity-filter-with-sma-female-connectors-sf2401-sma-p.aspx)

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TITLE Bandpass Cavity Filter Operating From 4.4 GHz to 4.95 GHz With SMA Female Connectors		DWG NO SF2401-SMA		CAGE CODE 3FKR5	
CAD FILE	051914	SHEET	SCALE	N/A	SIZE A 2233