

Bandpass Cavity Filter Operating From 5.725 GHz to 5.875 GHz With SMA Female Connectors

The FMFL002 is a four section band pass filter that is useful for filtering for ISM and WiFi uses. The pass band is 150 MHz, or 5.725 to 5.875 GHz. Implementing a combline design, the filter has excellent rejection of 50 dB at 5.2 GHz and 6.4 GHz, or about 525 MHz from the band edges. It has a maximum insertion loss of 1.0 dB. The FMFL002 has SMA female connectors



Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	5.725		5.875	GHz
Impedance		50		Ohms
Insertion Loss			1	dB
Passband VSWR		1.5:1		
Rejection at 5.2 GHz	50			dB
Rejection at 6.4 GHz	50			dB
Input Power, CW			5	Watts

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

Mechanical Specifications

Size	
Length	0.7 in [17.78 mm]
Width	1.9 in [48.26 mm]
Height	0.53 in [13.46 mm]
Weight	0.143 lbs [64.86 g]
Configuration	
Design	Comblin
Number of Sections	4
Package Style	Connectorized Module
Connector 1	SMA Female
Connector 2	SMA Female

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

Plotted and Other Data

Notes:
• Values at 25°C, sea level.

Features:

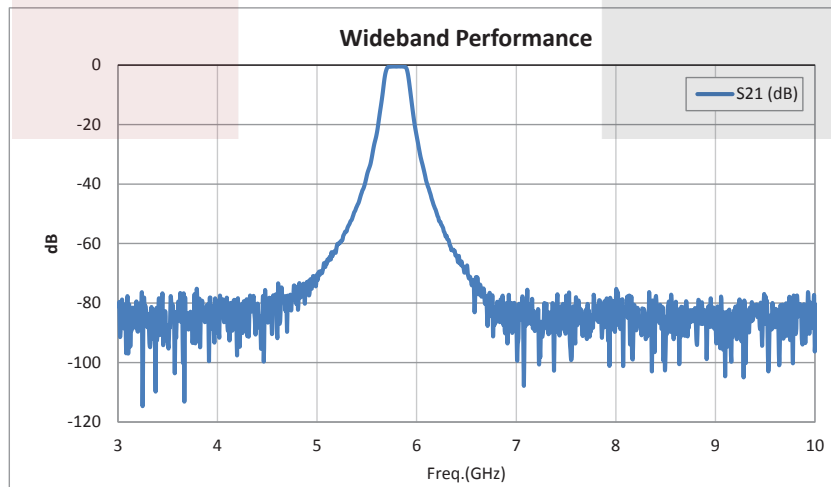
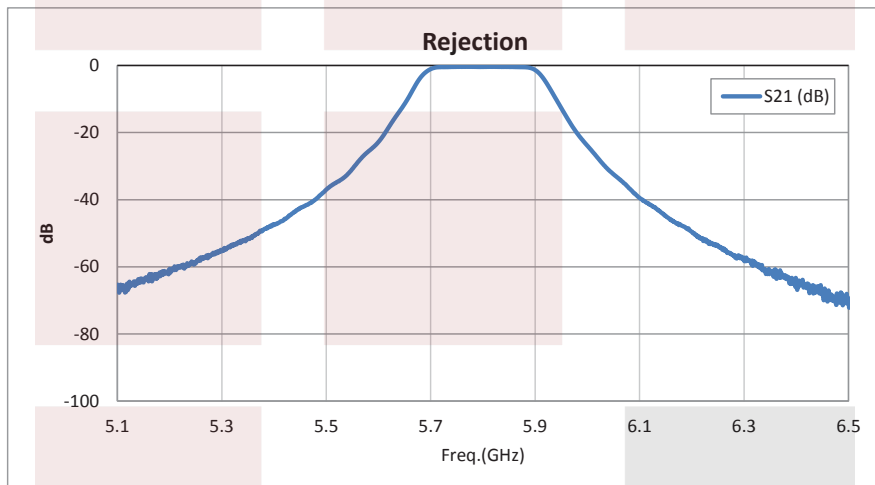
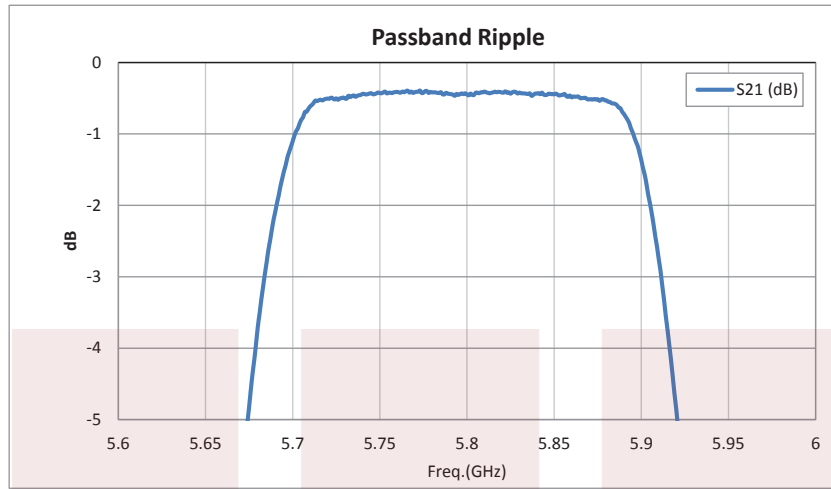
- Pass band of 150 MHz
- 5.725 GHz to 5.875 GHz
- Four section
- Comblin filter design
- 50 dB rejection at 5.2 GHz and 6.4 GHz (about 525 MHz from band edge)
- Maximum insertion loss of 1.0 dB
- Female SMA connectors

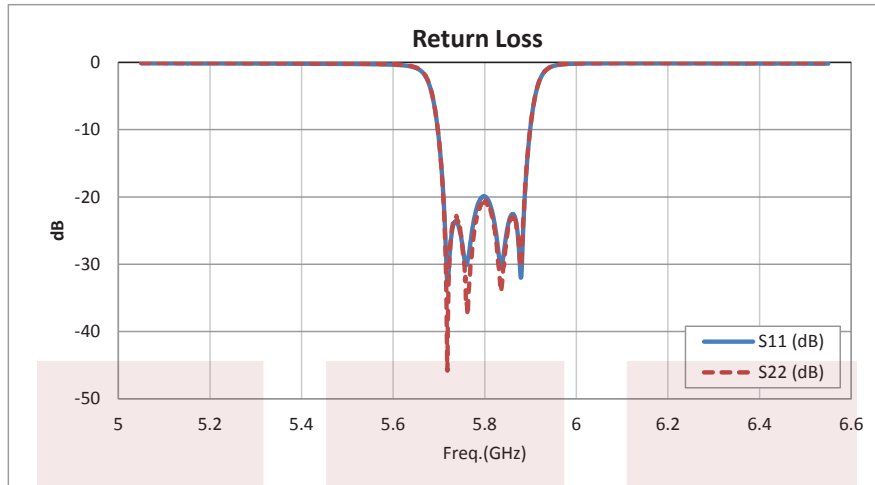
Applications:

- ISM
- WiFi

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Typical Performance Data



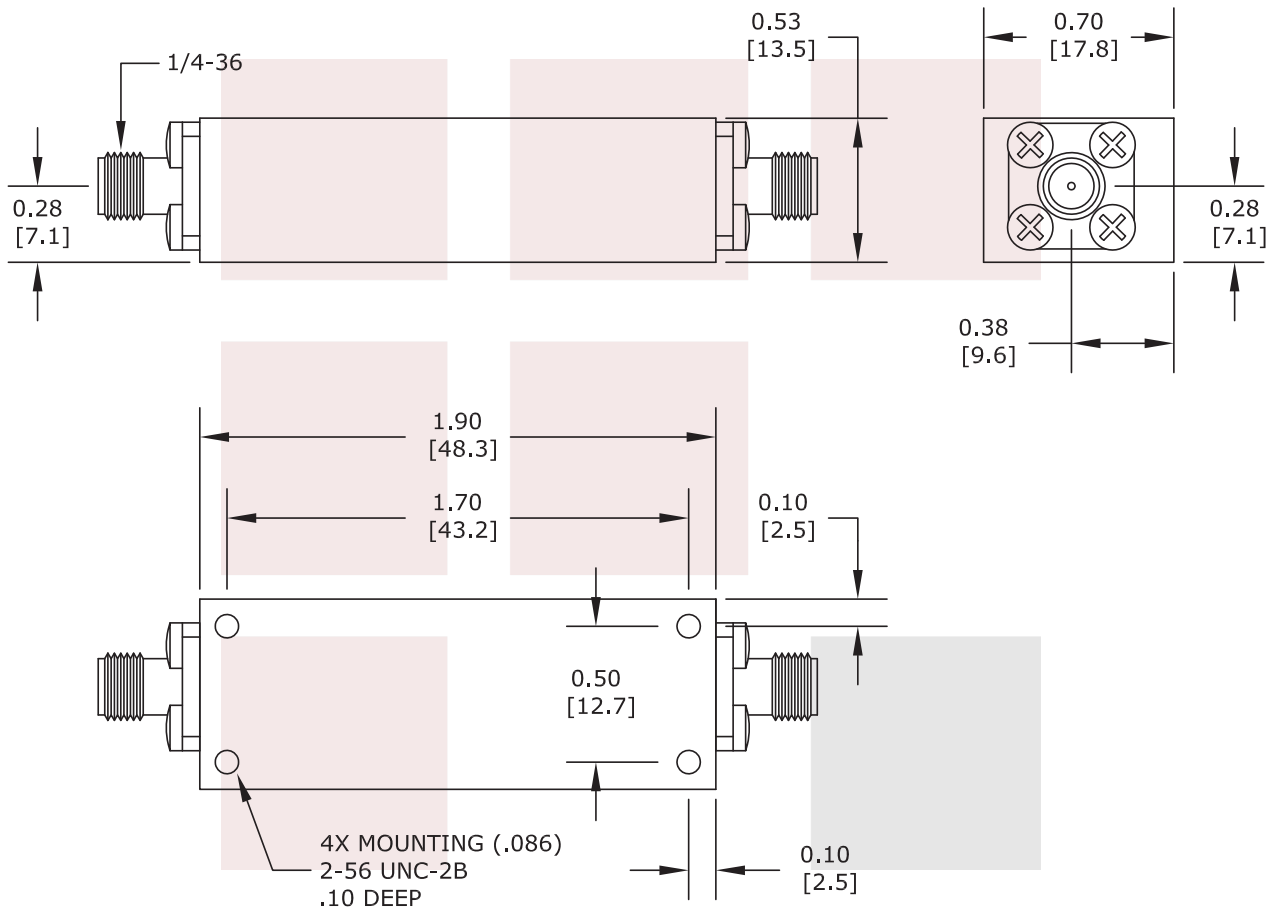


Bandpass Cavity Filter Operating From 5.725 GHz to 5.875 GHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 5.725 GHz to 5.875 GHz With SMA Female Connectors FMFL002](#)

URL: <https://www.fairviewmicrowave.com/bandpass-cavity-filter-5.725-5.875-ghz-sma-female-connectors-fmfl002-p.aspx>

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TITLE Bandpass Cavity Filter Operating From 5.725 GHz to 5.875 GHz With SMA Female Connectors		DWG NO FMFL002		CAGE CODE 3FKR5	
CAD FILE	042617	SHEET	SCALE	N/A	SIZE A 2233