

Bandpass Cavity Filter Operating From 902 MHz to 928 MHz With SMA Female Connectors

The FMFL000 is a four section band pass filter that is useful for filtering for ISM and RFID uses. The pass band is 26 MHz, or 902 to 928 MHz. Implementing a combline design, the filter has excellent rejection of 50 dB at 815 MHz and 1015 MHz, or about 90 MHz from the band edges. It has a maximum insertion loss of 1.5 dB. The FMFL000 has SMA female connectors.

Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	902		928	MHz
Impedance		50		Ohms
Insertion Loss			1.5	dB
Passband VSWR		1.5:1		
Rejection at 815 MHz	50			dB
Rejection at 1.015 GHz	50			dB
Input Power, CW			5	Watts

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

Mechanical Specifications

Size	
Length	2.35 in [59.69 mm]
Width	1.98 in [50.29 mm]
Height	0.53 in [13.46 mm]
Weight	0.1885 lbs [85.5 g]
Configuration	
Design	Combine
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:



Features:

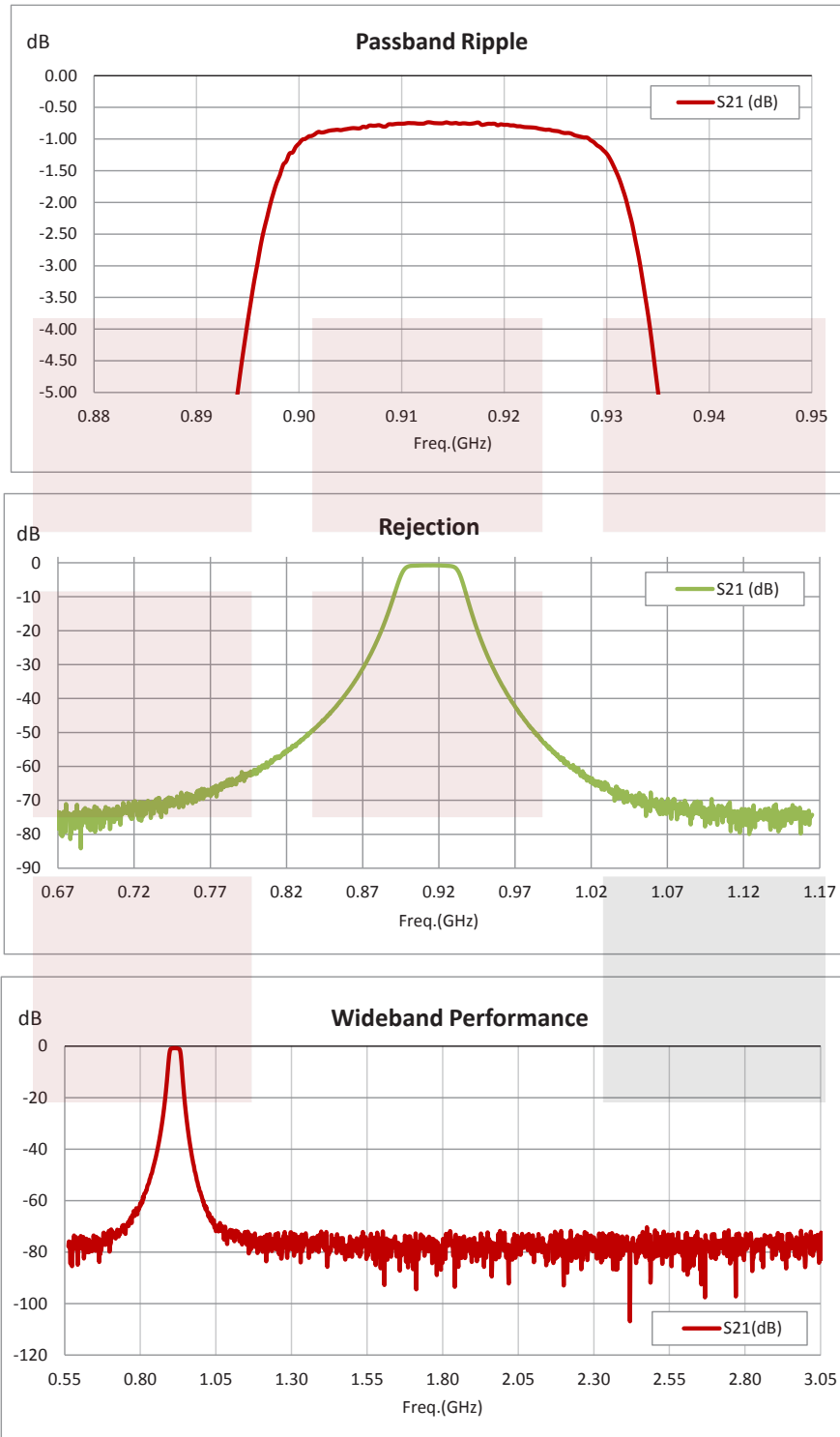
- Pass band of 26 MHz
- 902 MHz to 928 MHz
- Four Section
- Combine filter design
- 50 dB rejection at 815 MHz and 1015 MHz (about 90 MHz from band edge)
- Maximum insertion loss of 1.5 dB
- Female SMA connectors

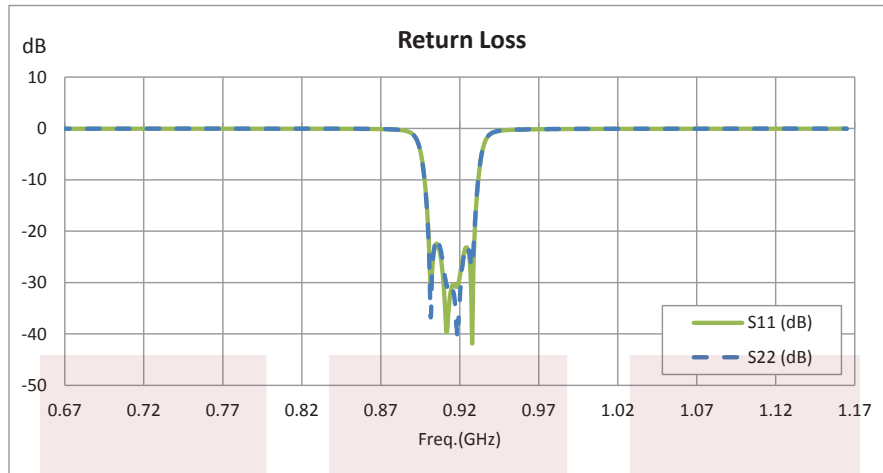
Applications:

- ISM
- RFID

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Typical Performance Data



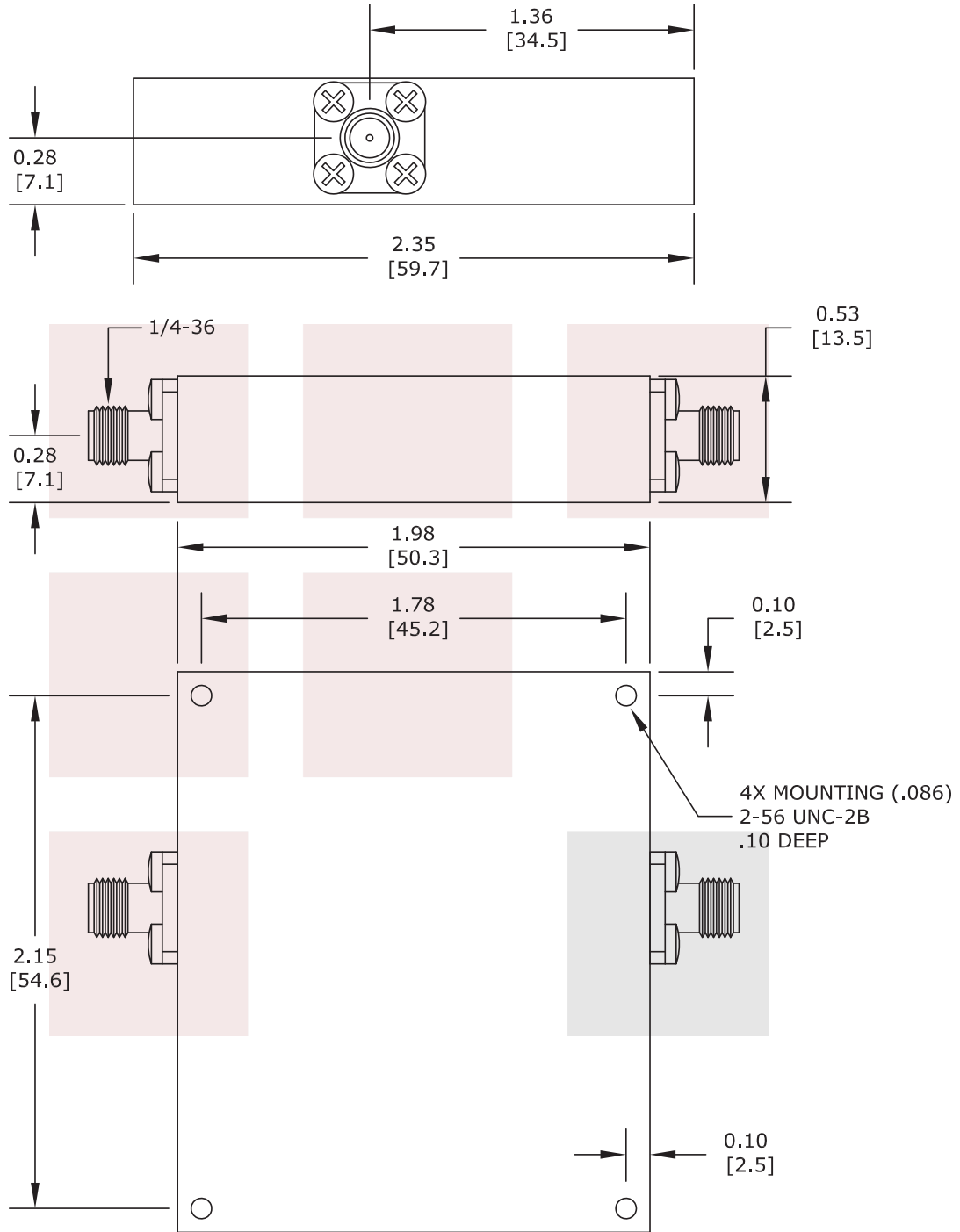


Bandpass Cavity Filter Operating From 902 MHz to 928 MHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 902 MHz to 928 MHz With SMA Female Connectors FMFL000](#)

URL: <https://www.fairviewmicrowave.com/bandpass-cavity-filter-902-928-mhz-sma-female-connectors-fmfl000-p.aspx>

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TITLE Bandpass Cavity Filter Operating From 902 MHz to 928 MHz With SMA Female Connectors		DWG NO FMFL000		CAGE CODE 3FKR5	
CAD FILE	042617	SHEET	SCALE	N/A	SIZE A 2233