

Bandpass Cavity Filter Operating From 824 MHz to 849 MHz With SMA Female Connectors

The FMFL005 is a four section band pass filter that is useful for filtering for GSM uses. The pass band is 25 MHz, or 824 to 849 MHz. Implementing a combline design, the filter has excellent rejection of 50 dB at 736.5 MHz and 936.5 MHz, or about 87.5 MHz from the band edges. It has a maximum insertion loss of 1.5 dB. The FMFL005 has SMA female connectors.

Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	824		849	MHz
Impedance		50		Ohms
Insertion Loss			1.5	dB
Passband VSWR		1.5:1		
Rejection at 736.5 MHz	50			dB
Rejection at 936.5 MHz	50			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	2.5 in [63.5 mm]
Height	0.53 in [13.46 mm]
Weight	0.1995 lbs [90.49 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:



Features:

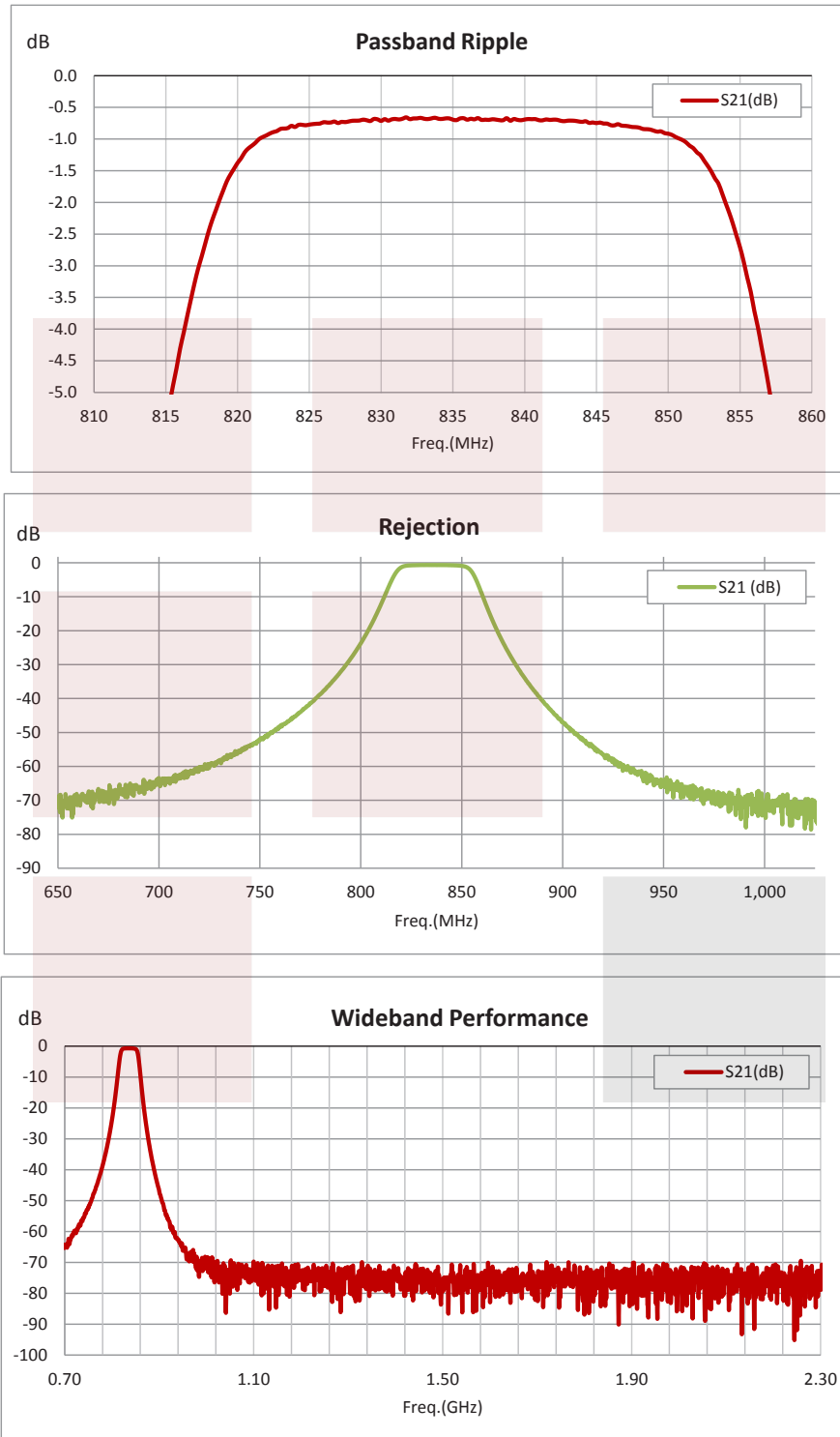
- Pass band of 25 MHz
- 824 MHz to 849 MHz
- Four section
- Comblin filter design
- 50 dB rejection at 736.5 MHz and 936.5 MHz (about 87.5 MHz from band edge)
- Maximum insertion loss of 1.5 dB
- Female SMA connectors

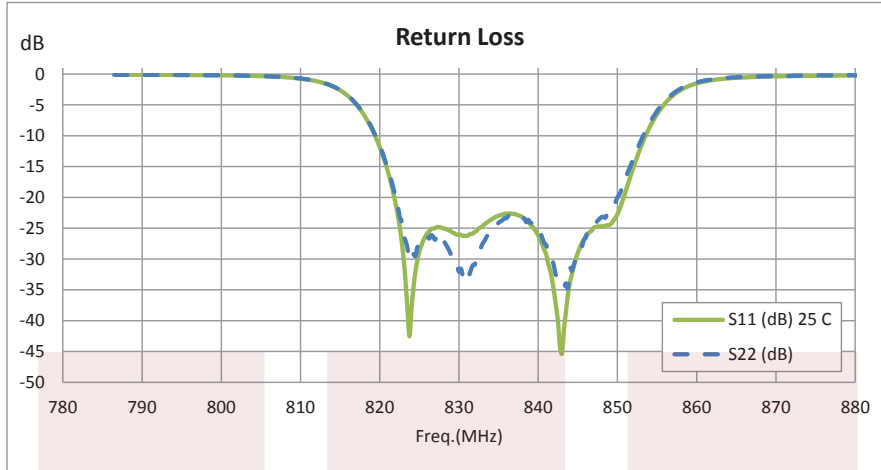
Applications:

- GSM

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Typical Performance Data



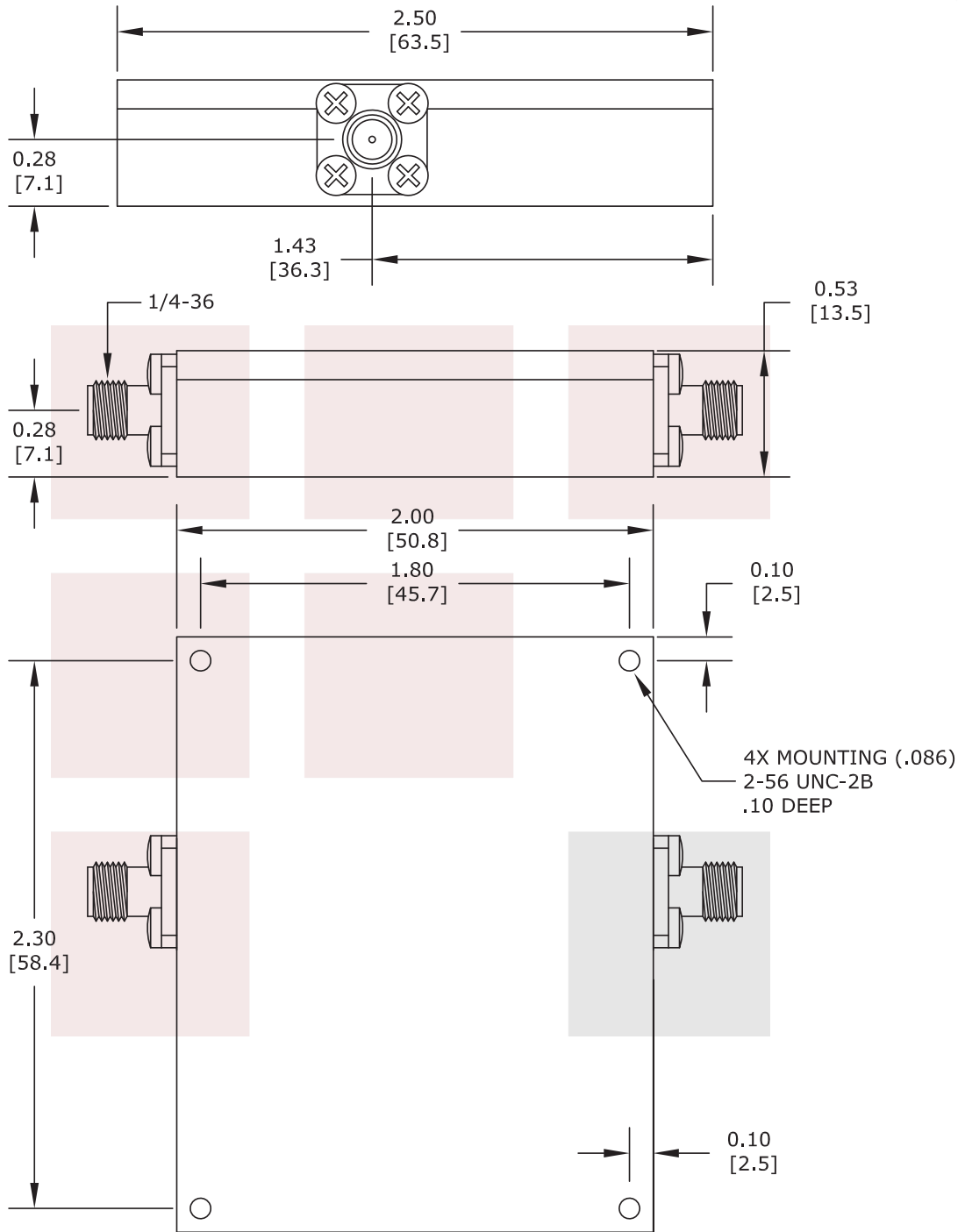


Bandpass Cavity Filter Operating From 824 MHz to 849 MHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 824 MHz to 849 MHz With SMA Female Connectors FMFL005](https://www.fairviewmicrowave.com/bandpass-cavity-filter-824-849-mhz-sma-female-connectors-fmfl005)

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TITLE Bandpass Cavity Filter Operating From 824 MHz to 849 MHz With SMA Female Connectors		DWG NO FMFL005		CAGE CODE 3FKR5	
CAD FILE	042617	SHEET	SCALE	N/A	SIZE A 2233