

Bandpass Cavity Filter Operating From 869 MHz to 894 MHz With SMA Female Connectors

The FMFL006 is a four section band pass filter that is useful for filtering for GSM uses. The pass band is 25 MHz, or 869 to 894 MHz. Implementing a combline design, the filter has excellent minimum rejection of 50 dB at 781.5 MHz and 981.5 MHz, or about 87.5 MHz from the band edges. It has a maximum insertion loss of 1.5 dB. The FMFL006 has SMA Female connectors.

Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	869		894	MHz
Impedance		50		Ohms
Insertion Loss			1.5	dB
Passband VSWR		1.5:1		
Rejection at 781.5 MHz	50			dB
Rejection at 981.5 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	2.41 in [61.21 mm]
Height	0.53 in [13.46 mm]
Weight	0.191 lbs [86.64 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:

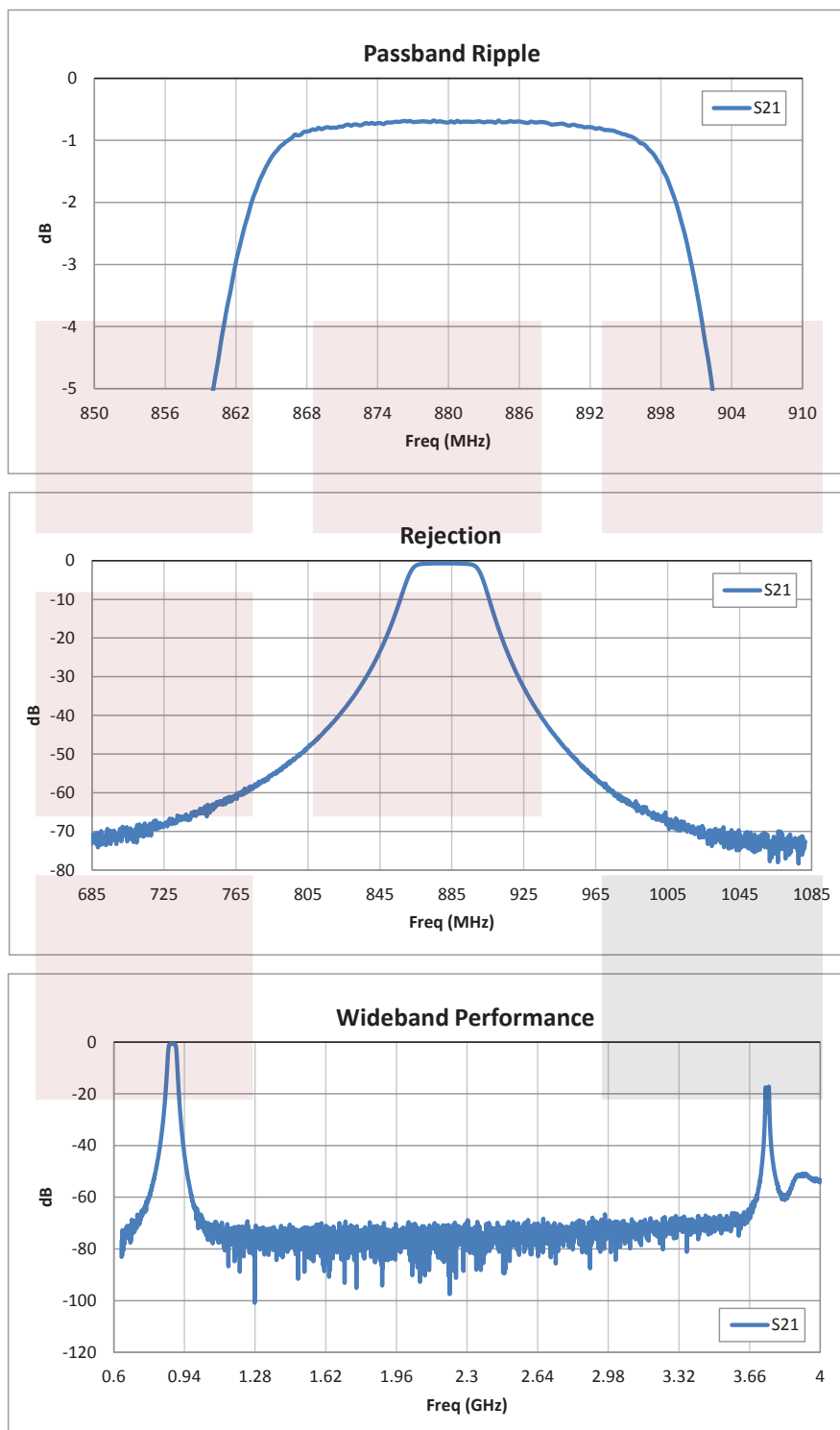
- Pass band of 25 MHz
- 869 to 894 MHz
- Four section
- Comblin filter design
- Minimum 50 dB rejection at 781.5 MHz and 981.5 MHz (about 87.5 MHz from band edge)
- Maximum insertion loss of 1.5 dB
- Female SMA connectors

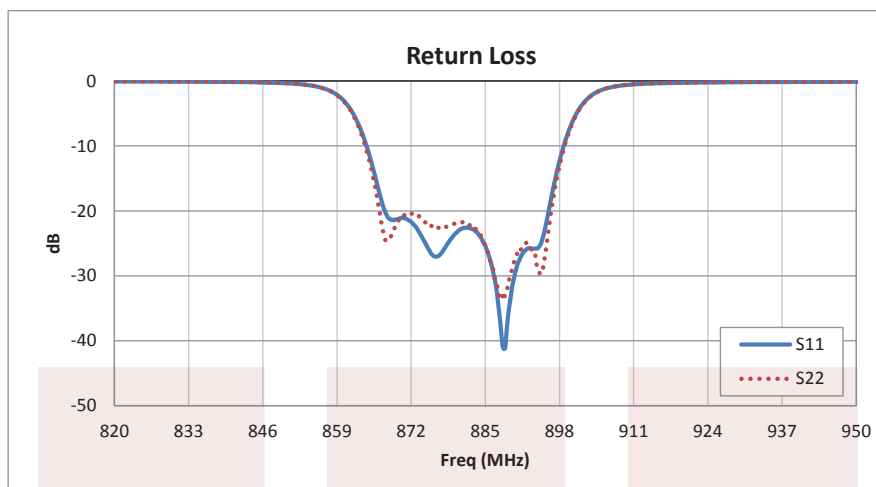
Applications:

- GSM

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Typical Performance Data



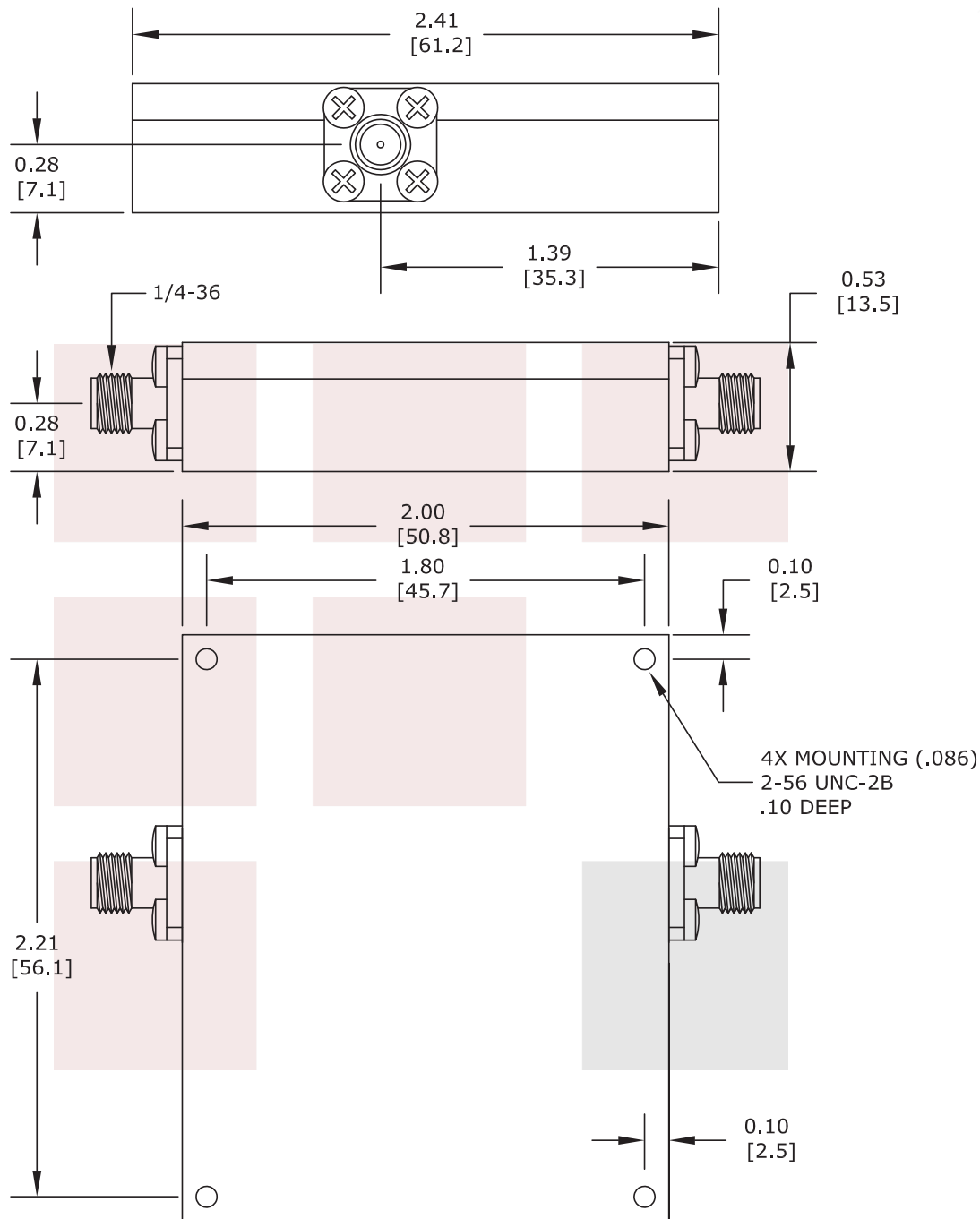


Bandpass Cavity Filter Operating From 869 MHz to 894 MHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 869 MHz to 894 MHz With SMA Female Connectors FMFL006](https://www.fairviewmicrowave.com/bandpass-cavity-filter-869-894-mhz-sma-female-connectors-fmfl006-p.aspx)

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TITLE Bandpass Cavity Filter Operating From 869 MHz to 894 MHz With SMA Female Connectors	DWG NO FMFL006		CAGE CODE 3FKR5		
	CAD FILE 042617	SHEET	SCALE N/A	SIZE A	2233