

Bandpass Cavity Filter Operating From 1.71 GHz to 1.77 GHz With SMA Female Connectors

The FMFL010 is a four section band pass filter that is useful for filtering for UMTS/AWS uses. The pass band is 60 MHz, or 1.71 to 1.77 GHz. Implementing a combline design, the filter has excellent minimum rejection of 50 dB at 1.49 GHz and 1.99 GHz, or about 220 MHz from the band edges. It has a maximum insertion loss of 1.5 dB. The FMFL010 has SMA Female connectors.

Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	1.71		1.77	GHz
Impedance		50		Ohms
Insertion Loss			1.5	dB
Passband VSWR		1.5:1		
Rejection at 1.49 GHz	50			dB
Rejection at 1.99 GHz	50			dB
Input Power, CW			5	Watts

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

Mechanical Specifications

Size	
Length	1.8 in [45.72 mm]
Width	1.4 in [35.56 mm]
Height	0.53 in [13.46 mm]
Weight	0.121 lbs [54.88 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:

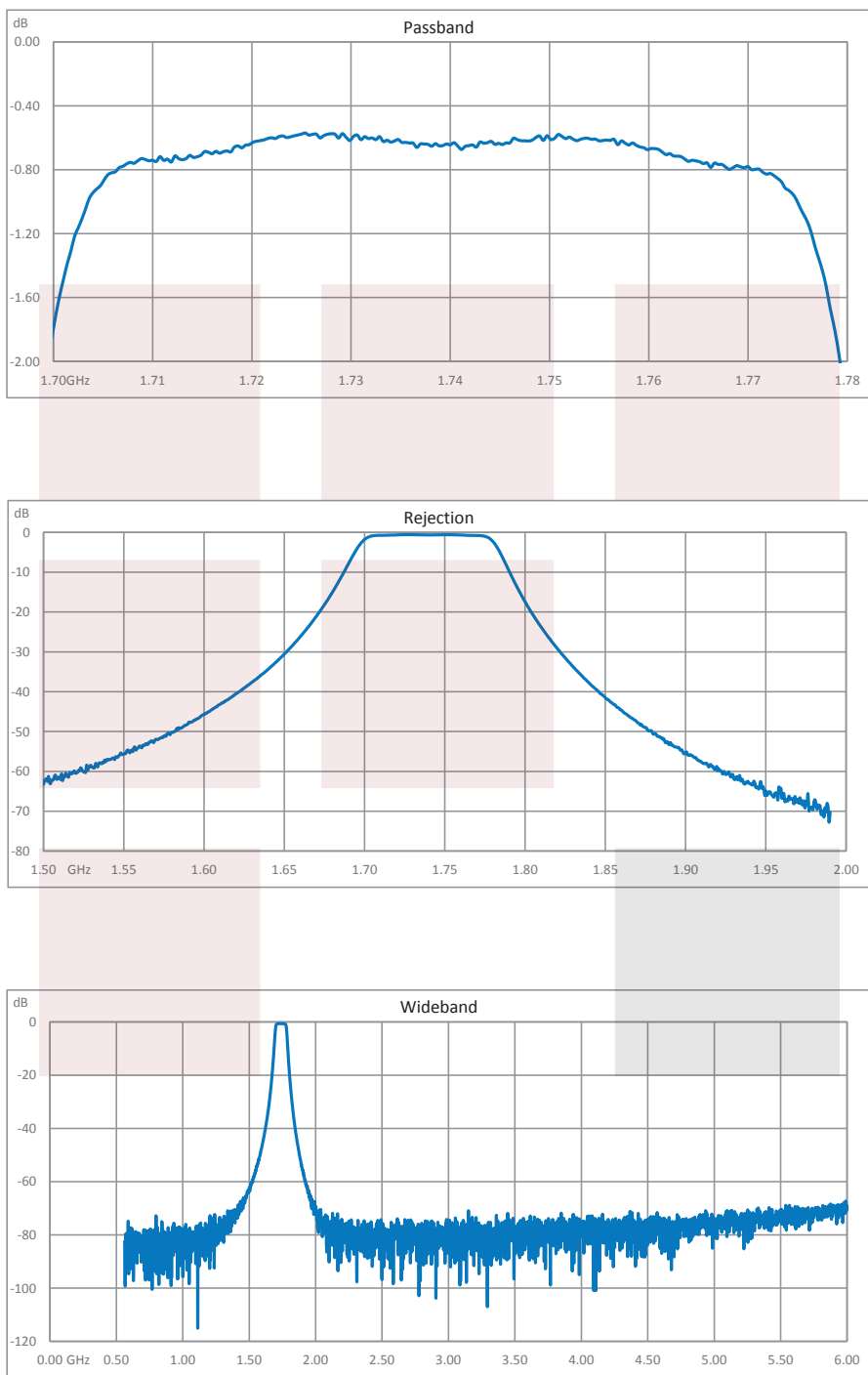
- Pass band of 60 MHz
- 1.71 to 1.77 GHz
- Four section
- Comblin filter design
- Minimum 50 dB rejection at 1.49 GHz and 1.99 GHz (about 220 MHz from band edge)
- Maximum insertion loss of 1.5 dB
- Female SMA connectors

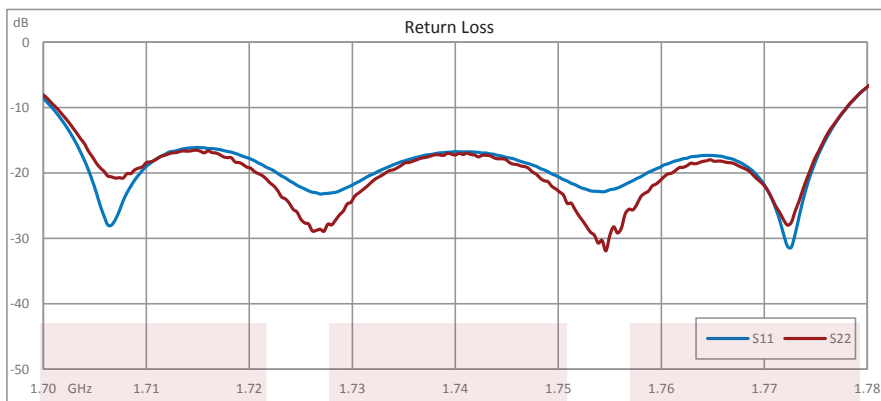
Applications:

- UMTS/AWS

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Typical Performance Data



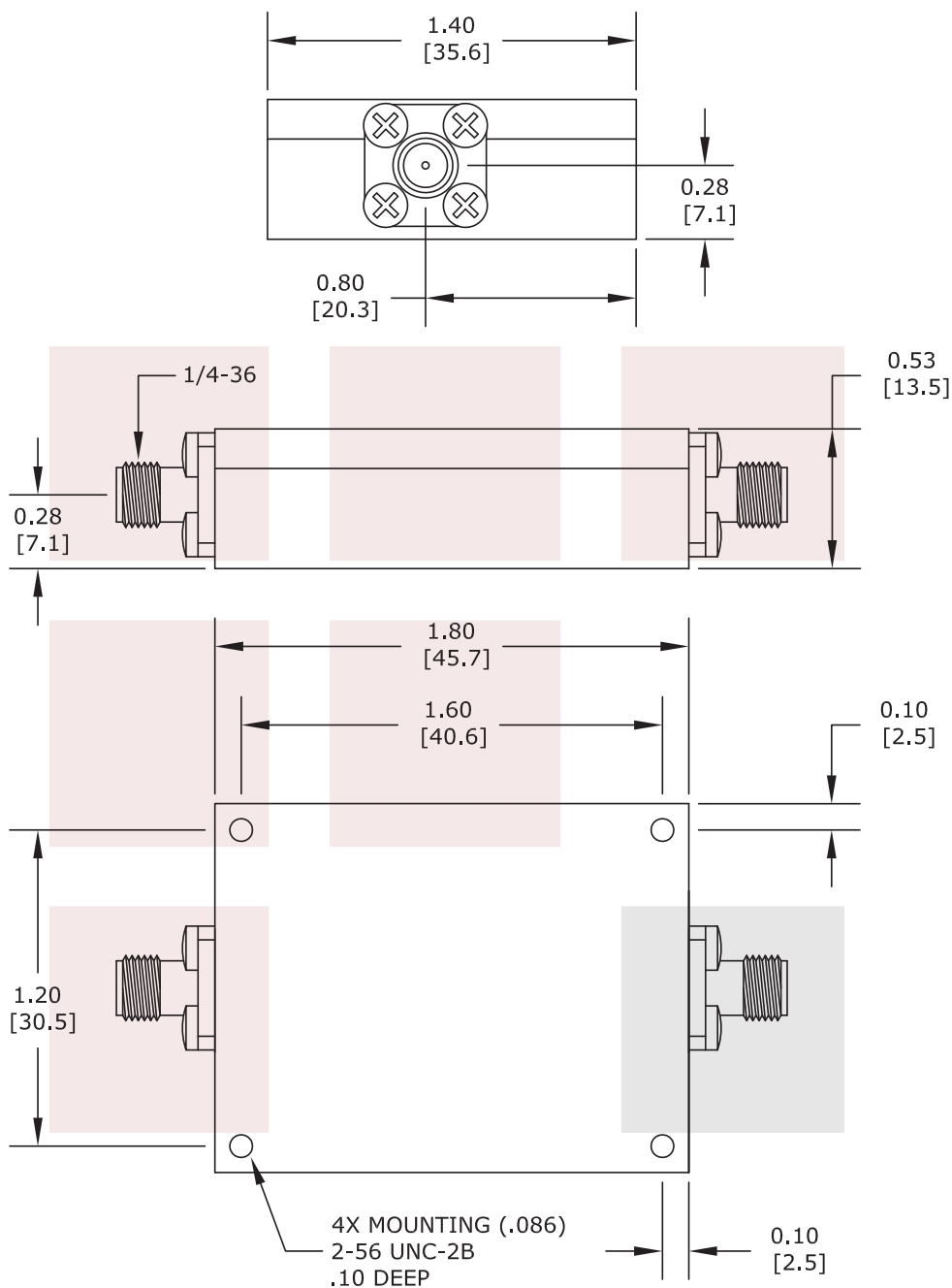


Bandpass Cavity Filter Operating From 1.71 GHz to 1.77 GHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 1.71 GHz to 1.77 GHz With SMA Female Connectors FMFL010](https://www.fairviewmicrowave.com/bandpass-cavity-filter-1.71-1.77-ghz-sma-female-connectors-fmfl010-p.aspx)

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TITLE Bandpass Cavity Filter Operating From 1.71 GHz to 1.77 GHz With SMA Female Connectors	DWG NO FMFL010		CAGE CODE 3FKR5		
	CAD FILE 042617	SHEET	SCALE N/A	SIZE A	2233