

Bandpass Cavity Filter Operating From 4.9 GHz to 5.9 GHz With SMA Female Connectors

The FMFL014 is a four section band pass filter that is useful for filtering for WiMAX uses. The pass band is 1 GHz, or 4.9 to 5.9 GHz. Implementing a combline design, the filter has excellent minimum rejection of 50 dB at 0.4 GHz and 10.4 GHz, or about 4.5 GHz from the band edges. It has a typical insertion loss of 0.75 dB. The FMFL014 has SMA Female connectors.

Electrical Specifications

Description	Min	Typ	Max	Units
Passband Frequency	4.9		5.9	GHz
Impedance		50		Ohms
Insertion Loss		0.75		dB
Passband VSWR		1.5:1		
Rejection at 400 MHz	50			dB
Rejection at 10.4 GHz	50			dB
Input Power, CW			5	Watts

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

Mechanical Specifications

Size

Length	1.28 in [32.51 mm]
Width	0.7 in [17.78 mm]
Height	0.53 in [13.46 mm]

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 1 GHz
- 4.9 to 5.9 GHz
- Four section
- Comblin filter design
- Minimum 50 dB rejection at 0.4 GHz and 10.4 GHz (about 4.5 GHz from band edge)
- Typical insertion loss of 0.75 dB
- Female SMA connectors

Applications:

- WiMAX

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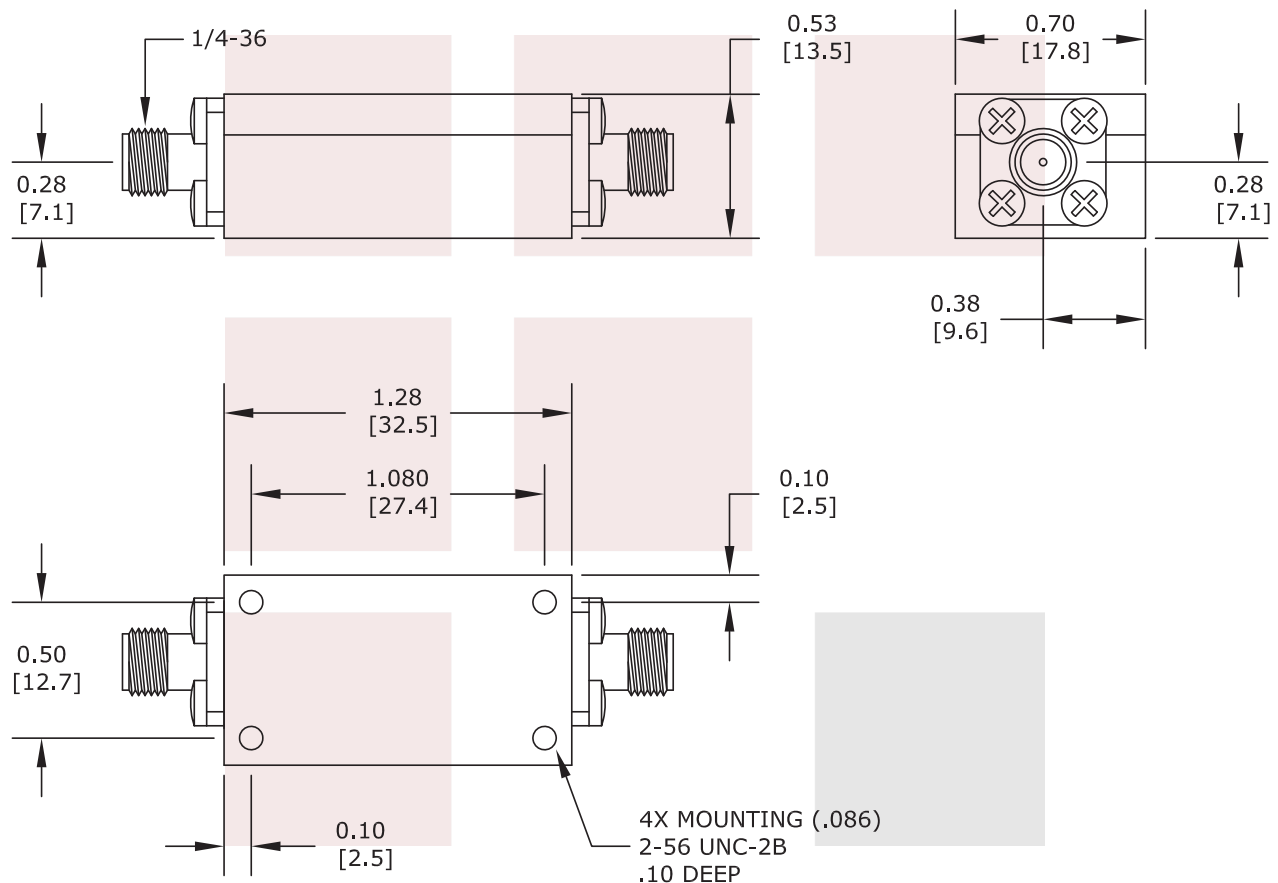
Bandpass Cavity Filter Operating From 4.9 GHz to 5.9 GHz With SMA Female Connectors from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bandpass Cavity Filter Operating From 4.9 GHz to 5.9 GHz With SMA Female Connectors FMFL014](#)

URL: <https://www.fairviewmicrowave.com/bandpass-cavity-filter-4.9-5.9-ghz-sma-female-connectors-fmfl014-p.aspx>

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TITLE Bandpass Cavity Filter Operating From 4.9 GHz to 5.9 GHz With SMA Female Connectors		DWG NO FMFL014		CAGE CODE 3FKR5	
CAD FILE	042617	SHEET	SCALE	N/A	SIZE A 2233