



Bandpass Cavity Filter Operating from 2.2 GHz to 2.5 GHz With SMA Female Connectors

The FMFL8701A is a eight section band pass filter that is used for filtering for ISM, WiFi, Bluetooth, and Zigbee uses. The pass band is 300 MHz, or 2.2 to 2.5 GHz. Implementing a combline design, the filter has excellent rejection of 60 dB at 2.7 GHz to 3.7 GHz, or about 200 MHz from the band edges. It has a maximum insertion loss of 0.8 dB. The FMFL8701A has SMA female connectors.

Electrical Specifications

Description	Min	Тур	Max	Units
Passband Frequency	2.2		2.5	GHz
Impedance		50		Ohms
Insertion Loss		0.5	0.8	dB
Passband VSWR			1.43:1	
Rejection at 2.7 GHz	60			dB
Rejection at 4.4 GHz	40			dB
Input Power, CW			5	Watts

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

Mechanical Specifications

Size

 Length
 2.5 in [63.5 mm]

 Width
 1.1 in [27.94 mm]

 Height
 0.53 in [13.46 mm]

 Weight
 0.175 lbs [79.38 q]

Configuration

Design Combline
Number of Sections 8
Package Style Connectorized
Connector 1 SMA Female
Connector 2 SMA Female

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

• Values at 25°C, sea level.



Features:

- Passband of 300 MHz
- 2.2 GHz to 2.5 GHz
- Eight section
- Combline filter design
- Min rejection 60 dB at 2.7 GHz to 3.7 GHz
- Min rejection 40 dB at 4.4 GHz to 5.3 GHz
- Maximum insertion loss of 0.8 dB
- Female SMA connectors

Applications:

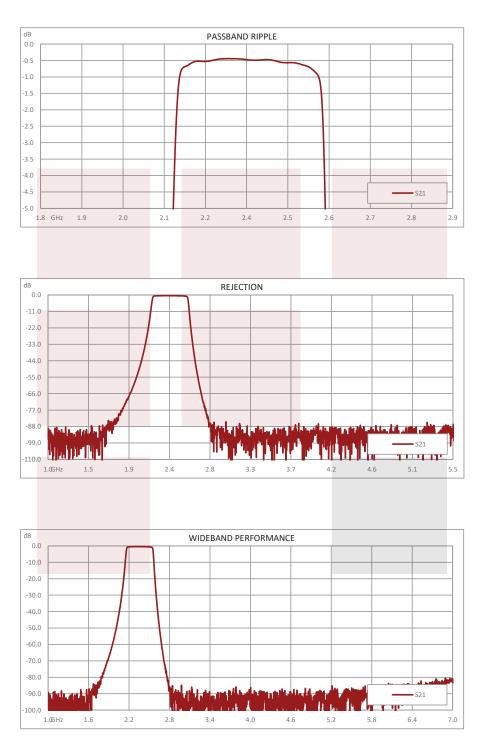
- Wifi Bands
- Cellular Bands
- Satellite Communications

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Typical Performance Data









Bandpass Cavity Filter Operating from 2.2 GHz to 2.5 GHz With SMA Female Connectors from Fairview Microwave is instock 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: Bandpass Cavity Filter Operating from 2.2 GHz to 2.5 GHz With SMA Female Connectors FMFL8701A

URL: https://www.fairviewmicrowave.com/bandpass-cavity-filter-2.2-2.5-ghz-sma-female-connectors-fmfl8701a-p.aspx

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