

WR-28 Bandpass Waveguide Filter With a 35 GHz to 37 GHz Pass Band

The FMW28F011 is a WR-28 bandpass filter with UG Cover Flanges. The pass band is 2000 MHz, or 35 to 37 GHz. Implementing a waveguide design, the filter has excellent rejection of 40 dB minimum at 33 GHz and 40 dB minimum at 39 GHz, or about 2000 MHz from the band edges. It has a maximum insertion loss of 0.5 dB.

Electrical Specifications (Values at 25°C, sea level)

Description	Min	Typ	Max	Units
Passband Frequency Range	35	-	37	GHz
Insertion Loss			0.5	dB
Passband VSWR			1.3:1	
Input Power			50	Watts
Peak Power			2	kWatts
L-Band Rejection 33 GHz	40			dB
H-Band Rejection 39 GHz	40			dB

Mechanical Specifications

Size

Length	2.36 in [59.94 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.08 lbs [36.29 g]

Flange 1

Waveguide Size	WR-28
Flange Material and Plating	Copper, Gold
Flange 1 Type	UG Cover

Flange 2

Waveguide Size	WR-28
Flange Material and Plating	Copper, Gold
Flange 2 Type	UG Cover

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25 °C, sea level



Configuration:

- Passband: Band Pass
- Flange 1: WR-28
- Flange 2: WR-28

Features:

- Passband of 2000 MHz
- 35 GHz to 37 GHz Passband
- WR-28 UG Cover Flanges
- Min rejection 40 dB at 33 GHz
- Min rejection 40 dB at 39 GHz
- Maximum Insertion Loss of 0.5 dB
- Max Power (CW) 50 Watts

Applications:

- Radar Systems
- Test and Measurement
- Satellite Communications
- Instrumentation
- Automotive Radar Systems

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WR-28 Bandpass Waveguide Filter With a 35 GHz to 37 GHz Pass Band 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-28 Bandpass Waveguide Filter With a 35 GHz to 37 GHz Pass Band FMW28F011](#)

URL: <https://www.fairviewmicrowave.com/wr-28-waveguide-bandpass-filter-ug-pass-band-fmw28f011-p.aspx>

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