

WR-62 Highpass Waveguide Filter With a 13 GHz to 18 GHz Pass Band

The FMW62F002 is a WR-62 highpass filter with UG Cover and UG Grooved Flanges. The pass band is 5000 MHz, or 13 to 18 GHz. Implementing a waveguide design, the filter has excellent rejection of 40 dB minimum at 11 GHz, or about 2000 MHz from the band edge. It has a maximum insertion loss of 0.3 dB.



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

Description	Min	Typ	Max	Units
H-Passband Frequency Range	13	-	18	GHz
Insertion Loss			0.3	dB
High Passband VSWR			1.3:1	
Input Power			200	Watts
Peak Power			10	kWatts
L-band Rejection at 11 GHz	40			dB

Configuration:

- Passband: High Pass
- Flange 1: WR-62
- Flange 2: WR-62

Features:

- Passband of 5000 MHz
- 13 GHz to 18 GHz Passband
- WR-62 UG Cover and Grooved Flanges
- Min rejection 40 dB at 11 GHz
- Maximum Insertion Loss of 0.3 dB
- Max Power (CW) 200 Watts

Mechanical Specifications

Size

Length	3.94 in [100.08 mm]
Width	1.31 in [33.27 mm]
Height	1.31 in [33.27 mm]
Weight	0.15 lbs [68.04 g]

Flange 1

Waveguide Size	WR-62
Flange Material and Plating	Aluminum, Silver
Flange 1 Type	UG Cover

Flange 2

Waveguide Size	WR-62
Flange Material and Plating	Aluminum, Silver
Flange 2 Type	UG Grooved

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

Plotted and Other Data

Notes:

- Values at 25 °C, sea level

Applications:

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

Fairview Microwave
 301 Leora Ln., Suite 100
 Lewisville, TX 75056
 Tel: 1-800-715-4396 / (972) 649-6678
 Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

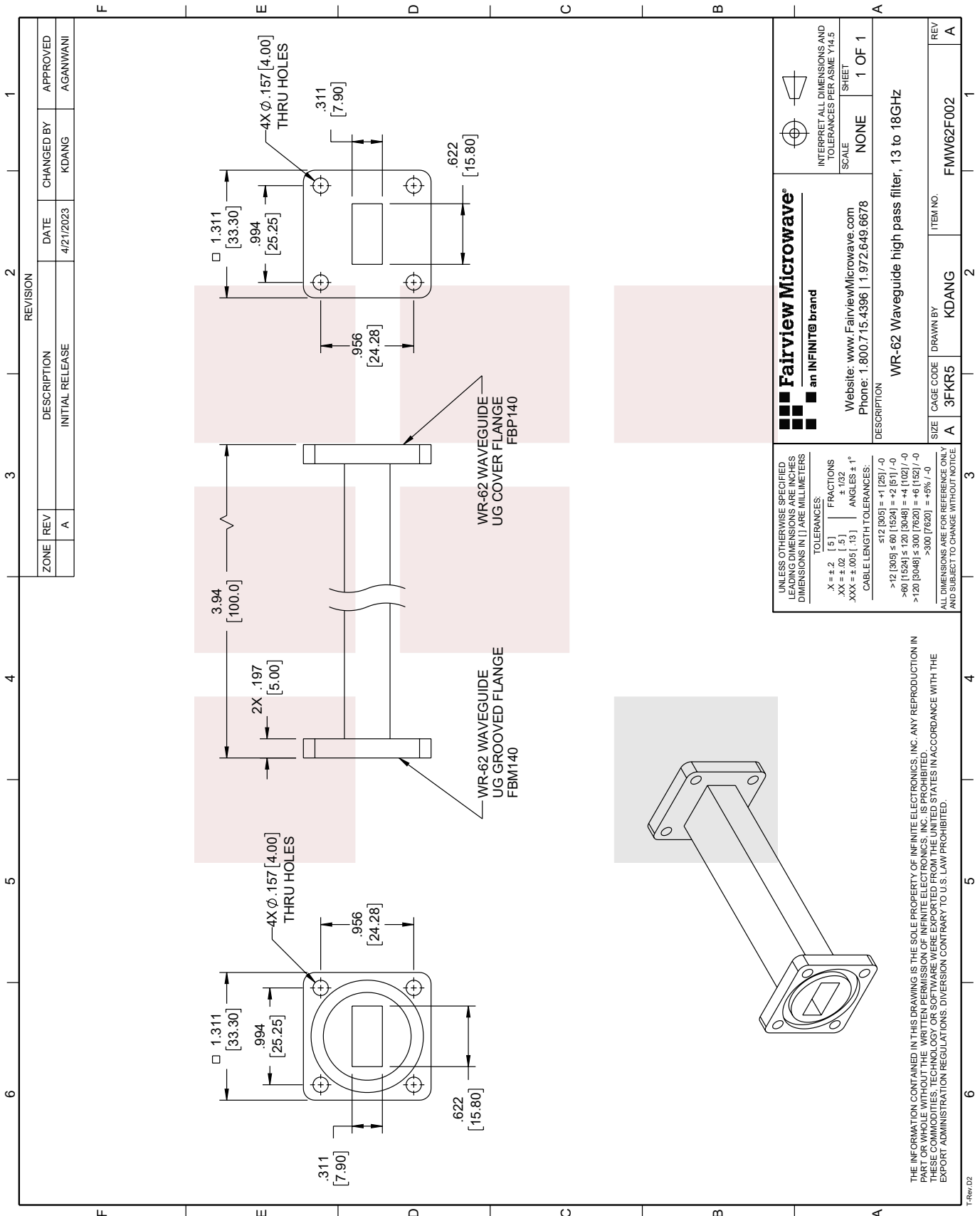
WR-62 Highpass Waveguide Filter With a 13 GHz to 18 GHz Pass Band from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-62 Highpass Waveguide Filter With a 13 GHz to 18 GHz Pass Band FMW62F002](#)

URL: <https://www.fairviewmicrowave.com/wr-62-highpass-waveguide-filter-ug-pass-band-fmw62f002-p.aspx>

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ZONE		REVISION		DATE		APPROVED	
A		INITIAL RELEASE		4/21/2023	KDANG		AGANWANI

<p>Fairview Microwave an INFINIT[®] brand</p> <p>Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678</p>		<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>	
<p>DESCRIPTION: WR-62 Waveguide high pass filter, 13 to 18GHz</p>			
SIZE: A	CAGE CODE: 3FKR5	DRAWN BY: KDANG	ITEM NO.: FMW62F002
REV: A			

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [] ARE IN MILLIMETERS.

TOLERANCES:

.X = ± .2 [5] FRACTIONS
 .XX = ± .02 [.5] ANGLES ± 1°
 .XXX = ± .005 [.13]

CABLE LENGTH TOLERANCES:

512 [305] = +1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.

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