



Highpass Waveguide Filter With WR-62 Interface Operating from 13 GHz to 18 GHz

TECHNICAL DATA SHEET

PE-W62F002

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

Applications

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

Description

The PE-W62F002 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.

Configuration

High Passband
Flange 1
Flange 2

High Pass
WR-62
WR-62

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

Description	Minimum	Typical	Maximum	Units
High 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
Lowband Rejection at 11 GHz	40			dB

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	0.145 lbs [65.77 g]

Flange 1

Waveguide Size	WR-62
Flange Material and Plating	Aluminum, Silver

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Highpass Waveguide Filter With WR-62 Interface Operating from 13 GHz to 18 GHz PE-W62F002](#)



Highpass Waveguide Filter With WR-62 Interface
Operating from 13 GHz to 18 GHz

TECHNICAL DATA SHEET

PE-W62F002

Flange 1 Type

UG Cover

Flange 2

Waveguide Size

Flange Material and Plating

Flange 2 Type

WR-62

Aluminum, Silver

UG Grooved

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

Plotted and Other Data

Notes:

- Values at 25 °C, sea level

Highpass Waveguide Filter With WR-62 Interface Operating from 13 GHz to 18 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

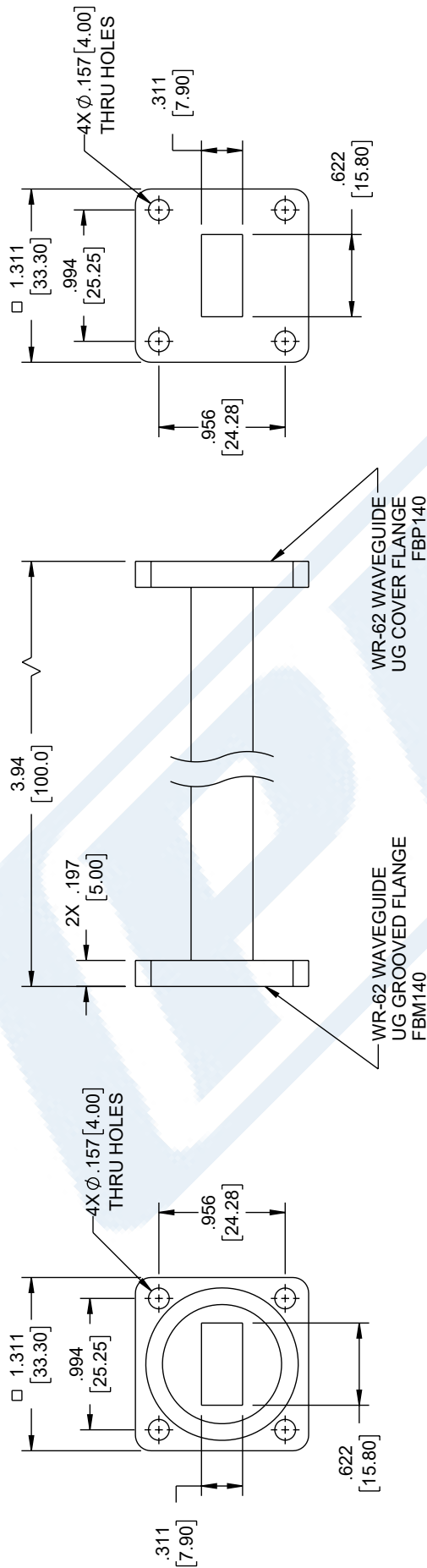
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Highpass Waveguide Filter With WR-62 Interface Operating from 13 GHz to 18 GHz PE-W62F002](#)



URL: <https://www.pasternack.com/wr-62-highpass-waveguide-filter-ug-pass-band-pe-w62f002-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

Highpass Waveguide Filter With WR-62 Interface Operating from 13 GHz to 18 GHz

REVISION	
ZONE	REV
	A



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		SCALE		SHEET	
.X = ±.2		[5]		FRACTIONS	
.XX = ±.02		[.5]		± 1/32	
.XXX = ±.005		[.13]		ANGLES ±°	
CABLE LENGTH TOLERANCES:		NONE		1 OF 1	
s12 [305] = ±1 [25] / -0		WR-62 Waveguide high pass filter, 13 to 18GHz		DESCRIPTION	
>12 [305] ≤ 60 [1524] = +2 [51] / -0		Website: www.Pasternack.com		ITEM NO.	
>60 [1524] ≤ 120 [3048] = +4 [102] / -0		Phone: 1.866.727.8376 1.949.261.1920		DRAWN BY	
>120 [3048] ≤ 300 [7620] = +6 [152] / -0		CAGE CODE		KDANG	
>300 [7620] = +8% / -0		A 53919		REV	
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE.		PE-W62F002		A	

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.