



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](#)



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Flange 1 Type

Flange 2

Waveguide Size

Flange Material and Plating

Flange 2 Type

UG Cover

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.

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

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PE-W62F002 CAD Drawing

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