PASTERNACK
an INFINITE brand

WR-62 Waveguide Isolator from 11.9 GHz to 18 GHz, 20 dB min Isolation, Cover Flange, Aluminum

Waveguide Isolators Technical Data Sheet PE-W62IR001

Features

- WR-62 Waveguide Isolator
- Ku Band Frequency Range 11.9 to 18 GHz
- UG Cover Flange Configuration
- Maximum VSWR 1.25:1
- Minimum 20 dB isolation
- Maximum Forward Power 50 W (CW)

Applications

- Radar Systems
- Military
- Wireless Radio Systems
- Telecom Infrastructure
- Communication Systems
- R&D Labs
- Microwave Radio Systems

Description

The PE-W62IR001 is a Waveguide Isolator offering 20 dB minimum isolation over the Ku band frequency range of 11.9 to 18 GHz. The design achieves high isolation with wide band performance and the WR-62 waveguide uses UG Square Cover compatible flanges on all ports and has a power rating of 50 watts (CW).

Pasternack offers a wide variety of isolators and waveguide isolators to fit your needs. These are two-port devices that transmit microwave or radio frequency power in one direction only and block the signal in the opposite direction. They can be thought of as a diode for RF energy. Isolators are used to isolate equipment from the effects of conditions outside of the equipment. For instance they are used to prevent a microwave source being detuned by a mismatched load. Pasternack's waveguide isolators feature excellent insertion loss, full WR band high isolation and reliability.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	11.9		18	GHz
Insertion Loss			0.3	dB
Isolation	20			dB
VSWR			1.25:1	
Forward Power (CW)			50	Watts
Forward Power (Peak)			2	kWatts
Reverse Power (CW)			5	Watts
Reverse Power (Peak)			200	Watts

Mechanical Specifications

Size

Length	3.94 in [100.08 mm]
Width	1.77 in [44.96 mm]
Height	1.31 in [33.27 mm]
Weight	0.18 lbs [81.65 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-62 Waveguide Isolator from 11.9 GHz to 18 GHz, 20 dB min Isolation, Cover Flange, Aluminum PE-W62IR001

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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Configuration

Waveguide Size	WR-62
Flange Type	Cover
Body Material and Plating	Aluminum, Chromate

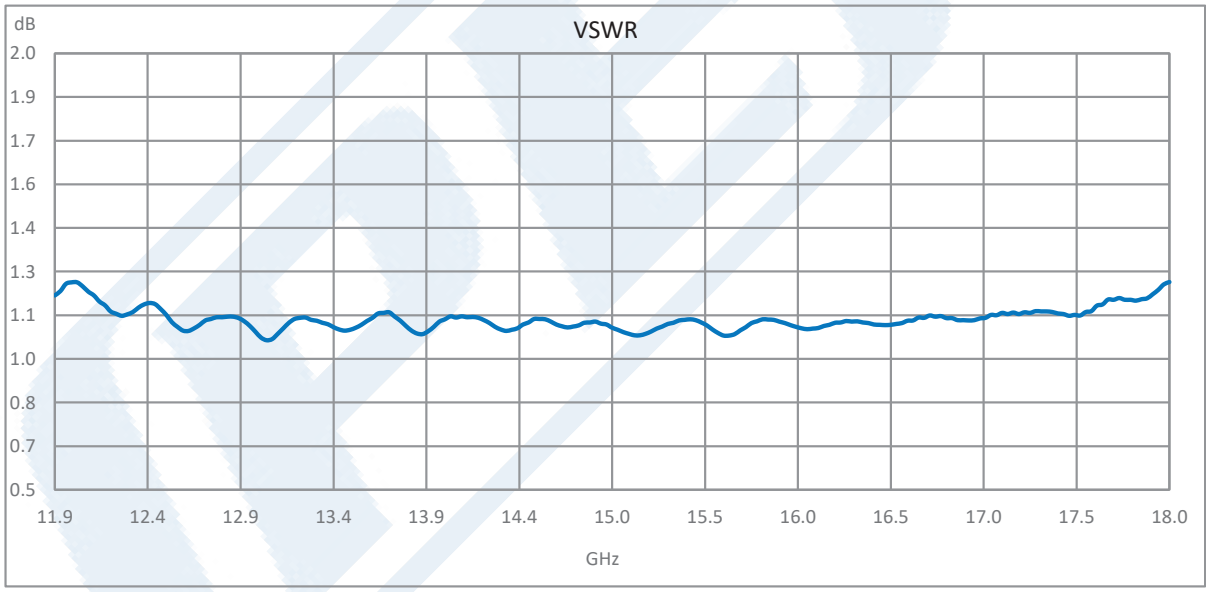
Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data



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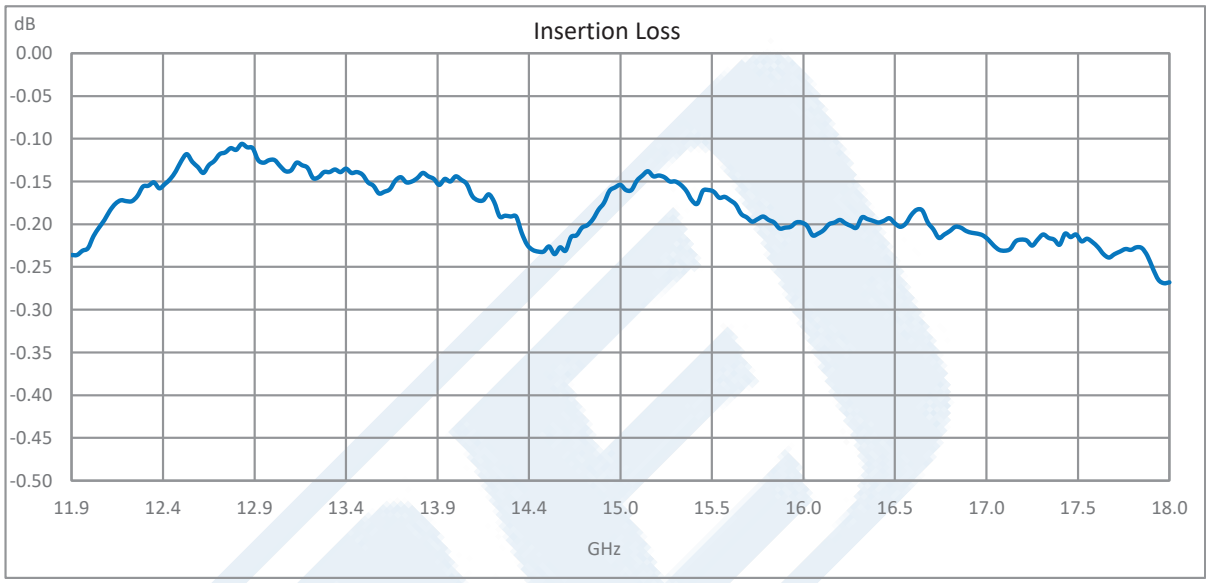

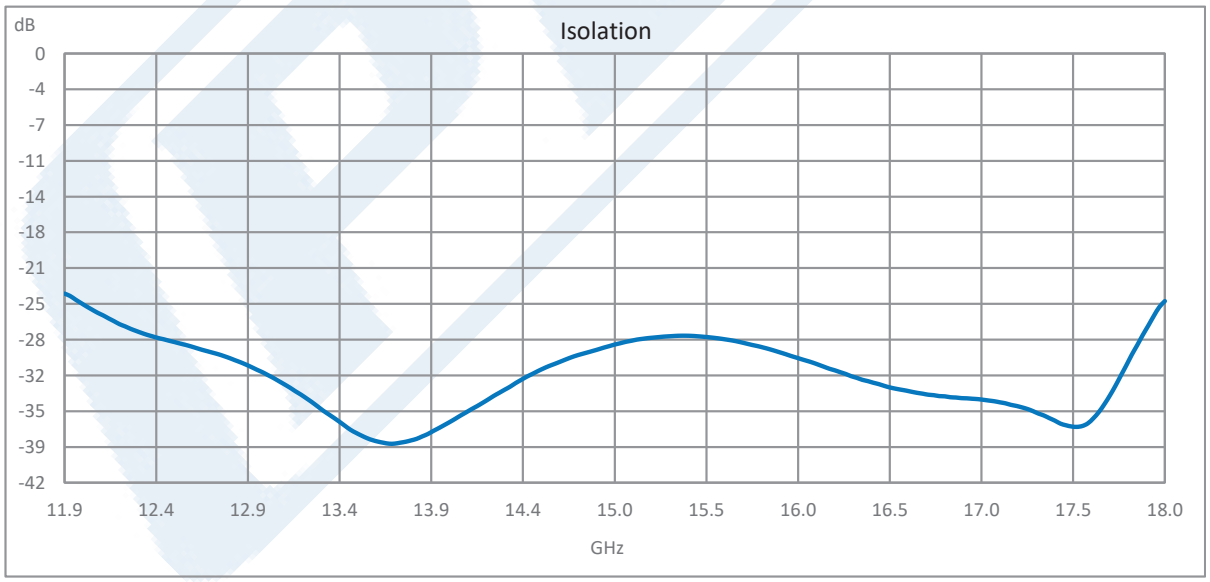

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WR-62 Waveguide Isolator from 11.9 GHz to 18 GHz, 20 dB min Isolation, Cover Flange, Aluminum from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/wr62-waveguide-isolator-18ghz-20db-pe-w62ir001-p.aspx

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PE-W62IR001 CAD Drawing

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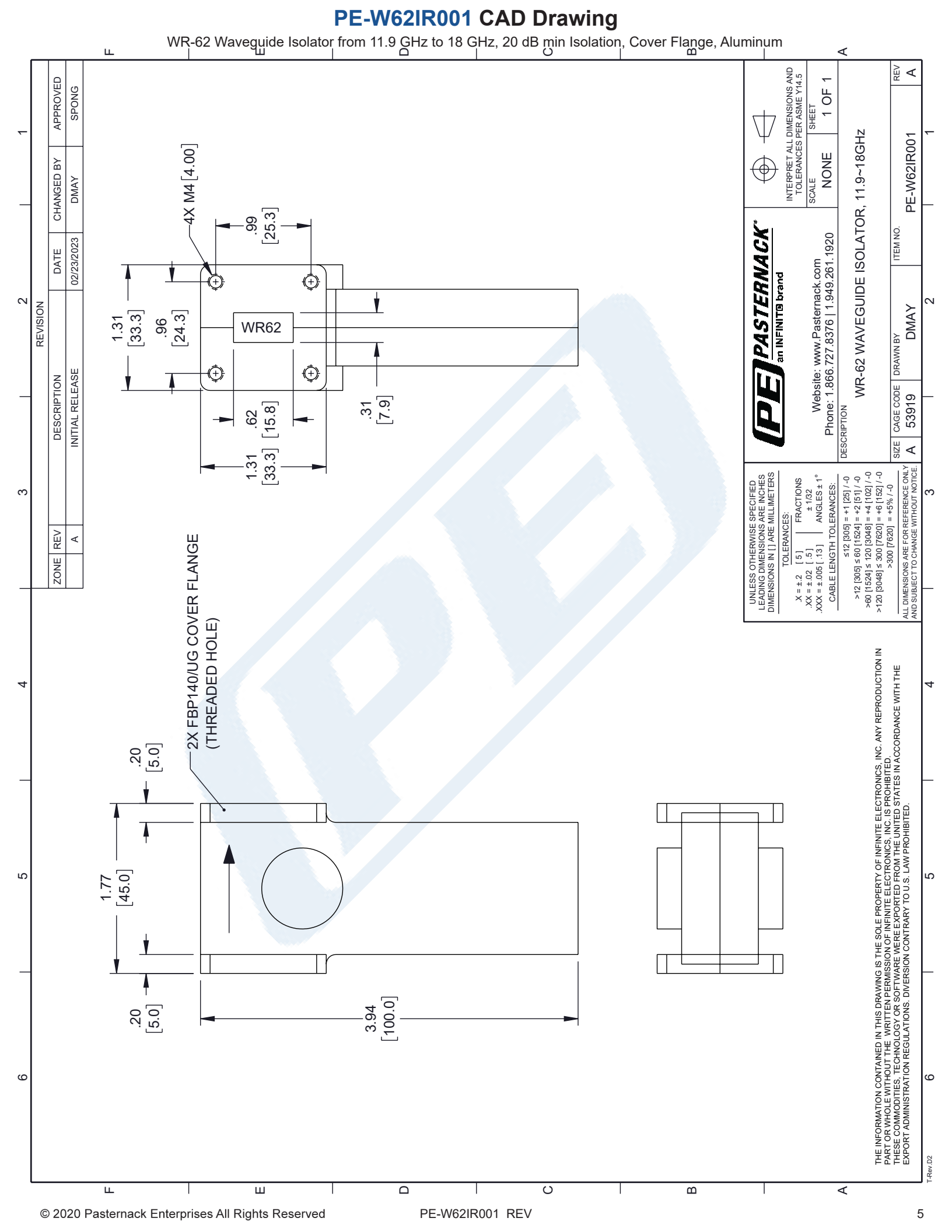

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