

WR-62 Waveguide Antenna, 12.4 GHz to 18 GHz Frequency Range, 10 dBi Gain,, Integrated Cage-Style Mount

Waveguide Antennas Technical Data Sheet

PE1WAN062-10

Features

- WR-62 Rectangular Waveguide Interface
- 12.4 GHz to 18 GHz
- 10 dBi Nominal Gain
- Square Cover Cover Flange

- Ku Band
- Ruggedized Aluminum Cage-Style Mount
- Integrates with Positioning Systems

Applications

- Antenna Measurements
- Wireless Communication

- Laboratory Use
- Microwave Radio Systems

Description

The PE1WAN062-10 Ku Band standard gain horn antenna (also known as waveguide horn) from Pasternack has a nominal gain of 10 dBi. This WR-62 standard gain horn has a Square Cover type flange and integrated cage-style mount. The mount is a ruggedized aluminum mounting solution that integrates with test and measurement positioning systems, ensuring precise alignment and protection of the antenna. The Pasternack 10 dBi WR-62 horn antenna operates from 12.4 GHz to 18 GHz. The WR-62 PE1WAN062-10 waveguide horn is powder coated Aluminum for added protection and corrosion resistance. It is part of over 40,000 RF, microwave and millimeter wave components available from Pasternack.

Waveguide standard gain horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance. Pasternack's WR-62 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and rectangular input. Our WR-62 standard gain horn antennas can ship worldwide the same day as it is purchased as with our other available RF parts.

Configuration

Design
Polarization

WR-62
Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
Nominal Gain		10		dBi
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		Degrees
VSWR		1.3:1		

Mechanical Specifications

Size	
Length	2.44 in [61.98 mm]
Width	2.44 in [61.98 mm]
Height	4.61 in [117.09 mm]
Weight	0.73355 lbs [332.73 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 Antenna, 12.4 GHz to 18 GHz Frequency Range, 10 dBi Gain,, Integrated Cage-Style Mount PE1WAN062-10](#)



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Waveguide Interface

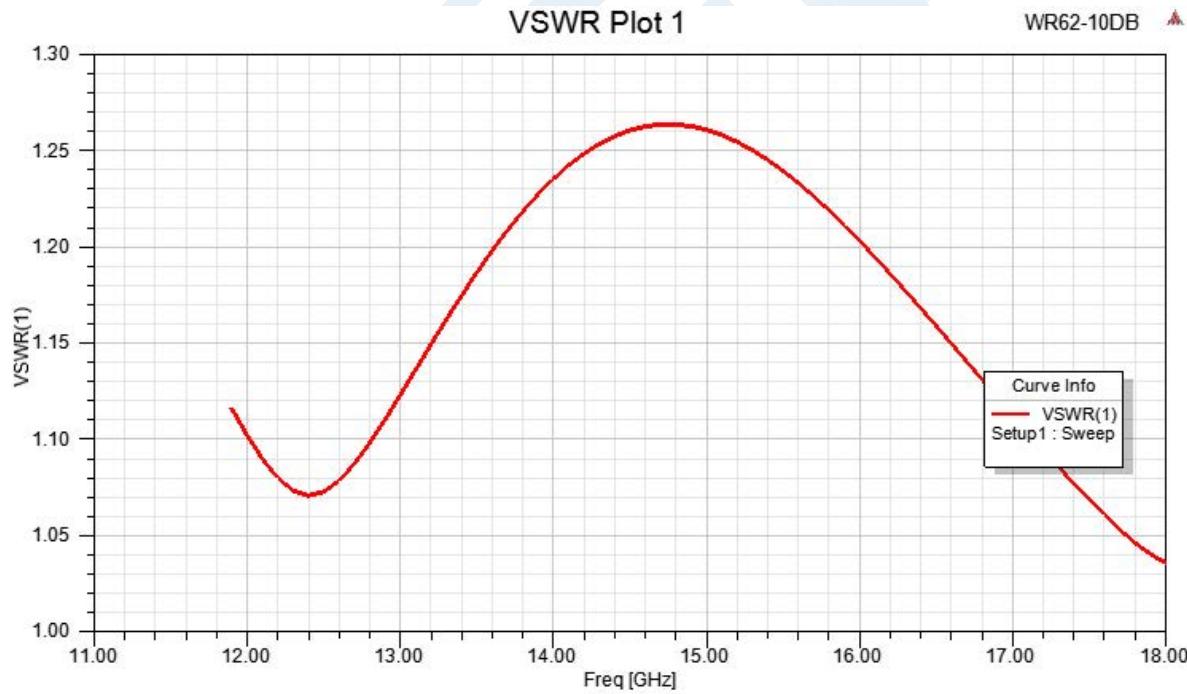
Waveguide Size
Flange Type
Body Material and Plating

WR-62
Square Cover
Aluminum, Gray

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

Plotted and Other Data

Typical Performance Data



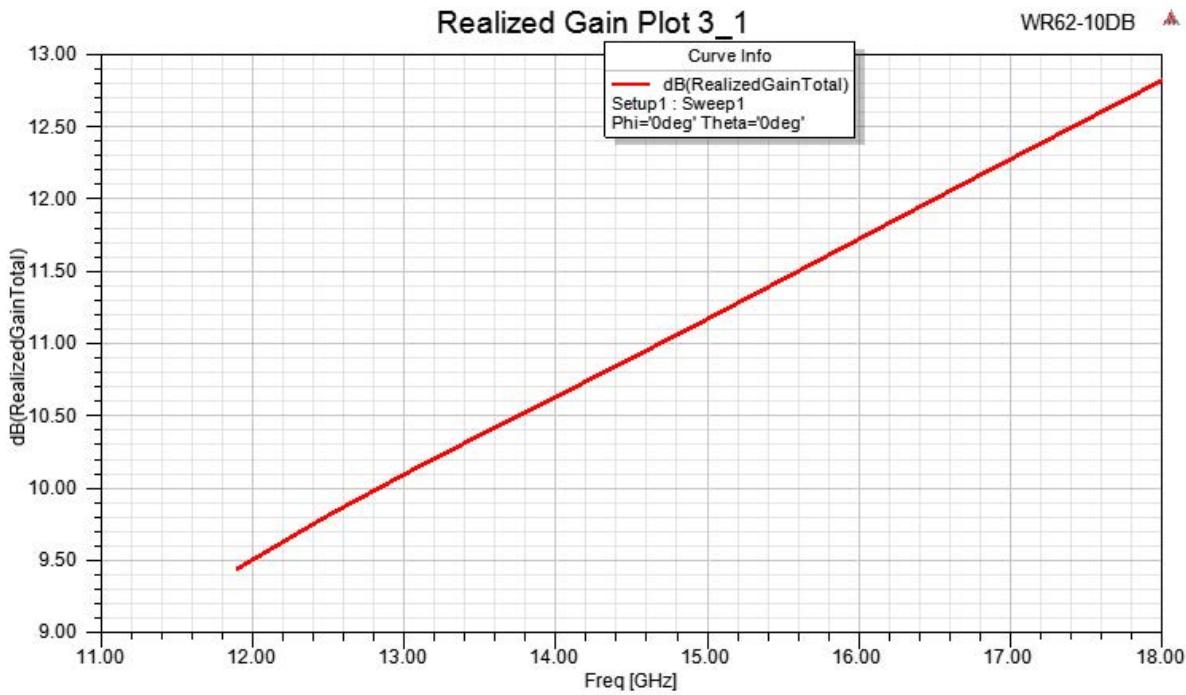
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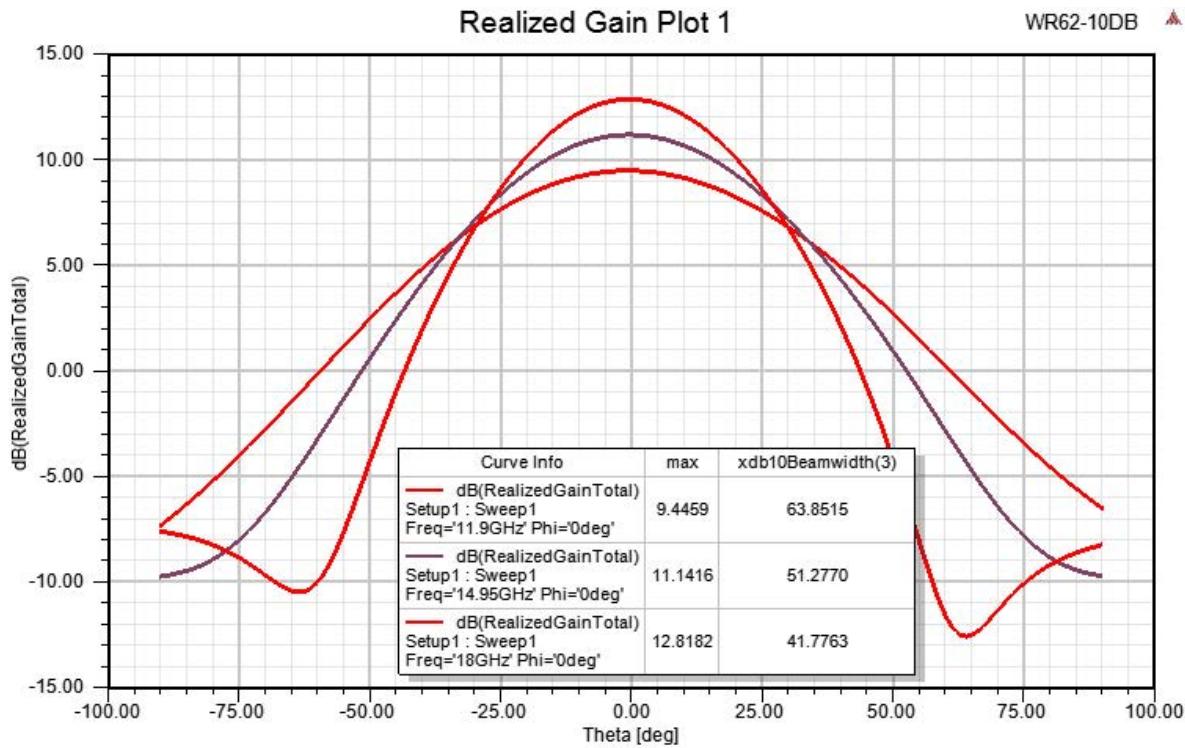
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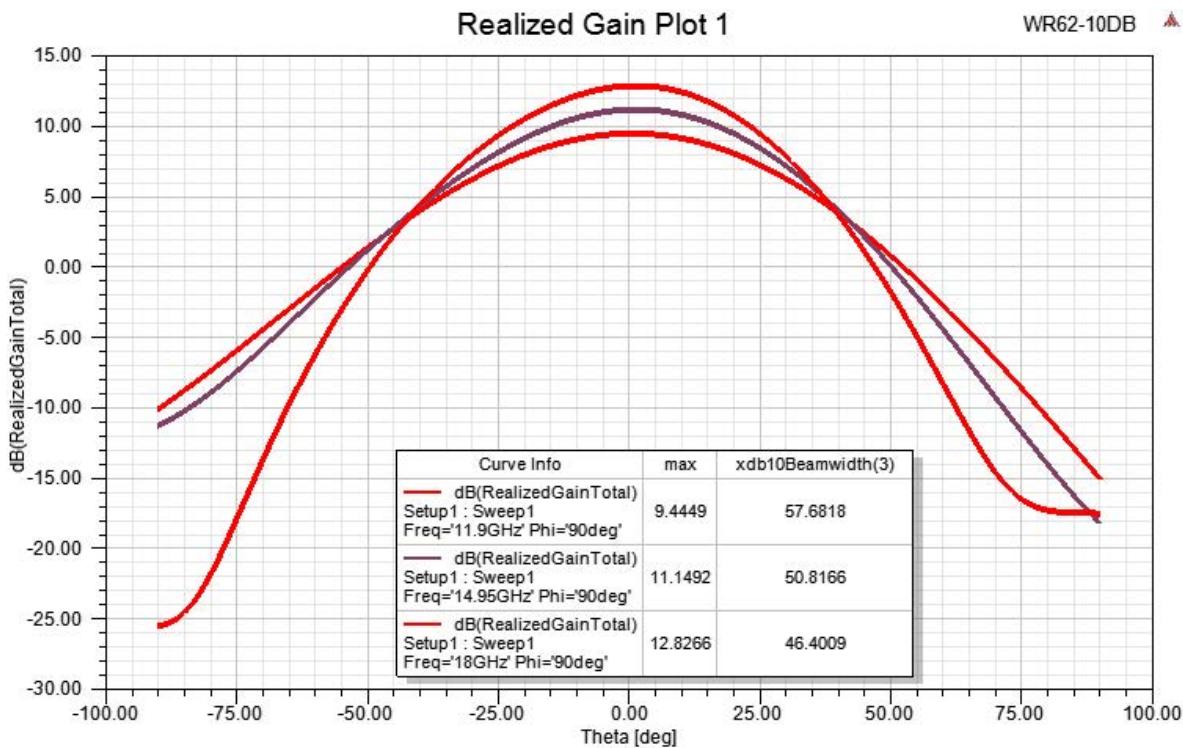
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WR-62 Waveguide Antenna, 12.4 GHz to 18 GHz Frequency Range, 10 dBi Gain,, Integrated Cage-Style Mount from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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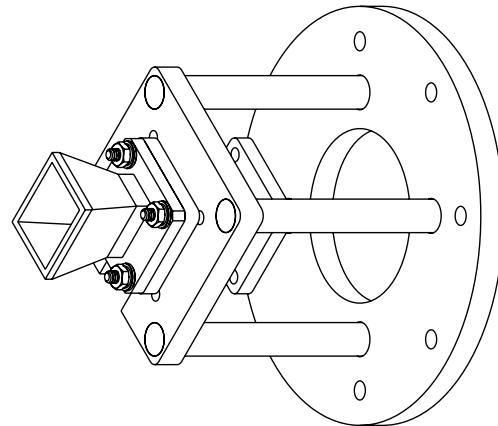
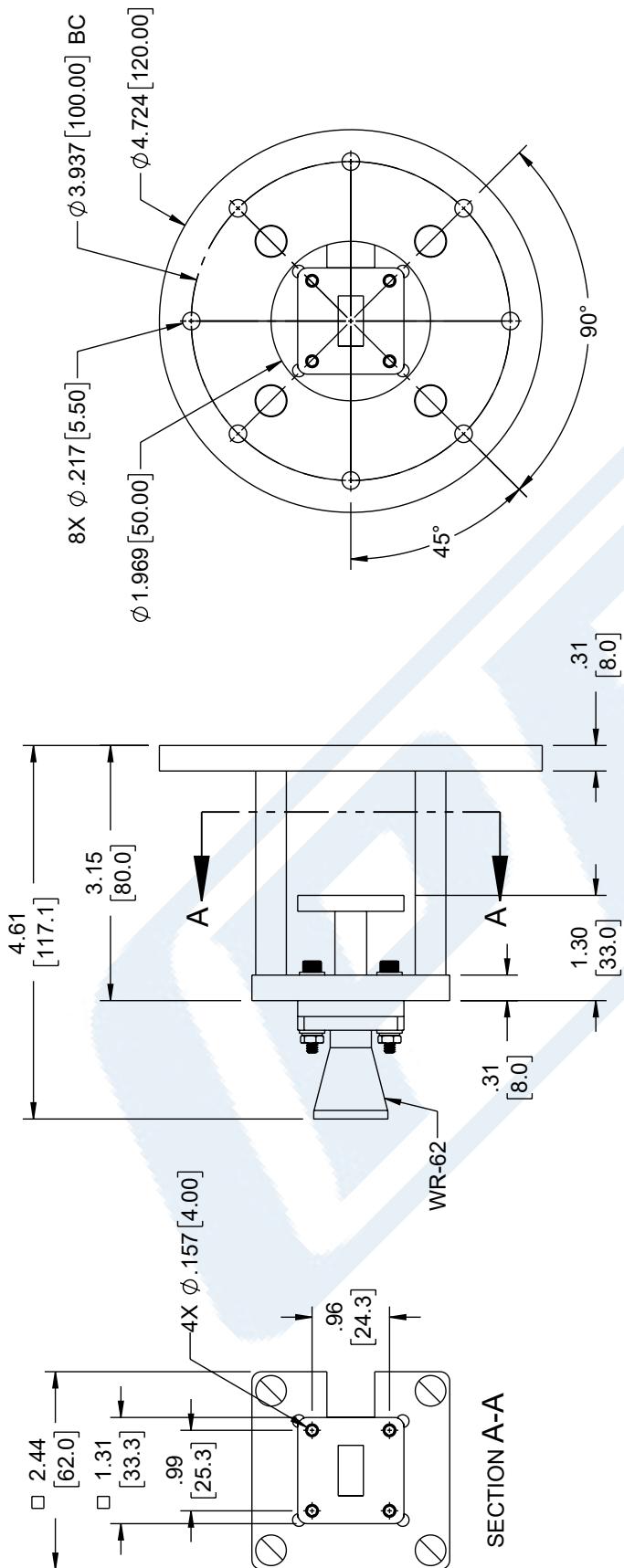
URL: <https://www.pasternack.com/wr-62-waveguide-antenna-12.4-ghz-to-18-ghz-frequency-range-10-dbi-gain-integrated-cage-style-mount-pe1wan062-10-p.aspx>

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.

PE1WAN062-10 CAD Drawing

WR-62 Waveguide Antenna, 12.4 GHz to 18 GHz Frequency Range, 10 dBi Gain, Integrated Cage-Style Mount

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	10/20/2023	HBAKKE	KHIEPTPAS



 PASTERNACK® an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES DIMENSIONS [] ARE MILLIMETERS	TOLERANCES:	SCALE	1 OF 1
$X = 2.2 [5]$ FRACTIONS $XX = \pm 0.02 [0.5]$ FRACTIONS $XXX = \pm 0.005 [0.13]$ ANGLES $\pm 1^\circ$			SHEET
CABLE LENGTH TOLERANCES: $\geq 12 [305] \leq 12.5 [315] \pm 1 [25] / -0$ $\geq 16 [406] \leq 16.5 [419] \pm 2 [51] / -0$ $\geq 20 [508] \leq 20.5 [524] \pm 4 [10] / -0$ $\geq 30 [762] \leq 30.5 [772] \pm 6 [152] / -0$ $\geq 300 [7620] \leq 300.5 [7720] \pm 5 [125] / -0$		DESCRIPTION	WR-62 WAVEGUIDE ANTENNA, 12.4 GHz TO 18 GHz FREQUENCY RANGE, 10 dBi GAIN, WITH PRE-INSTALLED CAGE-STYLE MOUNT
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY	ITEM NO.	DRAWN BY	REV
A	53919	HBAKKE	A
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920			PE1WAN062-10

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