



## WR-62 Standard Gain Horn with 15 dBi gain, SMA Female connector, Integrated Cage-Style Mount

### Technical Data Sheet

**PE1WAN062-15SF**

#### Features

- 12.4 GHz to 18 GHz
- WR-62 Waveguide Band
- 15 dBi Nominal Gain

- SMA Female Connector
- Ruggedized Aluminum Cage-Style Mount
- Integrates with Positioning Systems

#### Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use

- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test

Solutions

- Radar Cross Section
- Satellite Antenna Testing

#### Description

The PE1WAN062-15SF standard gain horn antenna with integrated cage-style mount (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. The cage-style mount is a ruggedized aluminum mounting solution that integrates with test and measurement positioning systems, ensuring precise alignment and protection of the antenna. This standard gain horn is mated with a WR-62 to SMA Female waveguide to coaxial adapter and operates from 12.4 GHz to 18 GHz.

Our PE1WAN062-15SF standard gain horn antenna with integrated cage-style mount has a nominal gain of 15 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 31 dB and 32 dB respectively. Pasternack's SMA Female to WR-62 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PE1WAN062-15SF are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our WR-62 waveguide antennas with SMA Female interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and ship same day.

#### Configuration

Design  
Coaxial Interface

WR-62 Standard Gain Horn  
SMA Female

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
<b>Waveguide Standard Gain Horn</b>				
Gain		15		dBi
Horizontal Half Power Beam Width		31		Degrees
Vertical Half Power Beam Width		32		Degrees
<b>Waveguide to Coaxial Adapter</b>				
Input VSWR		1.25:1		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-62 Standard Gain Horn with 15 dBi gain, SMA Female connector, Integrated Cage-Style Mount PE1WAN062-15SF](#)



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### Mechanical Specifications

#### Size

Length

4.724 in [119.99 mm]

Width

4.724 in [119.99 mm]

Height

5.61 in [142.49 mm]

Weight

0.87905 lbs [398.73 g]

#### RF Connector

Type

SMA Female

#### Waveguide Interface

Waveguide Size

WR-62

### Environmental Specifications

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

### Plotted and Other Data

Notes:

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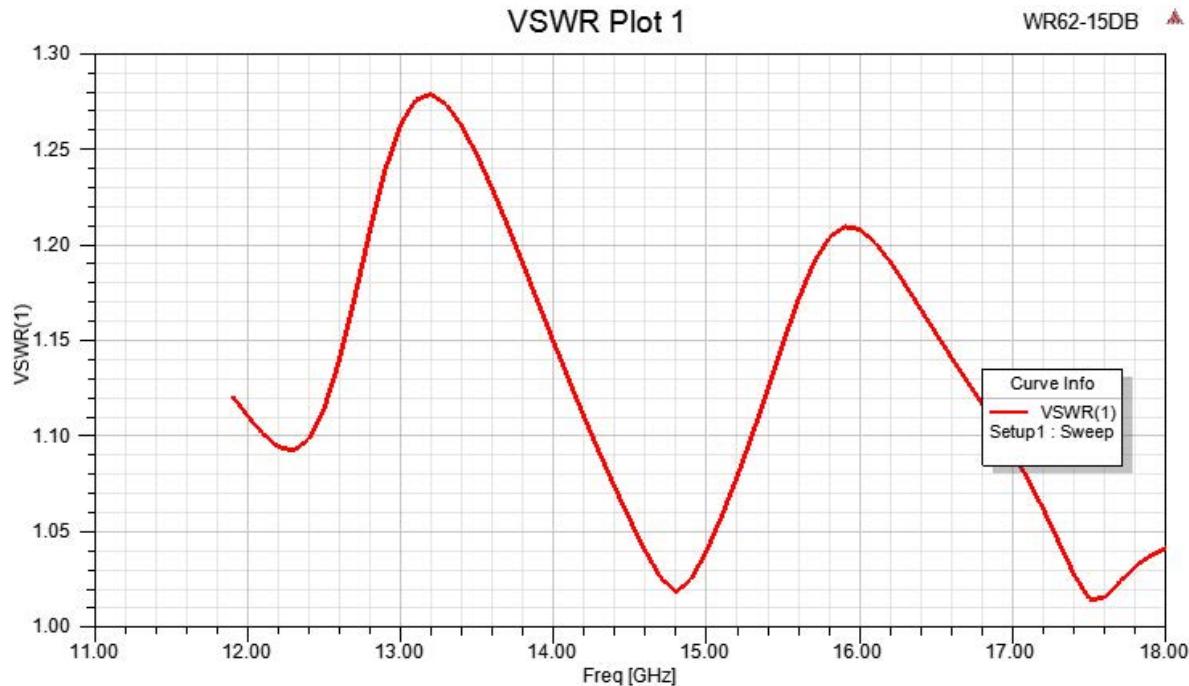


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### Typical Performance Data



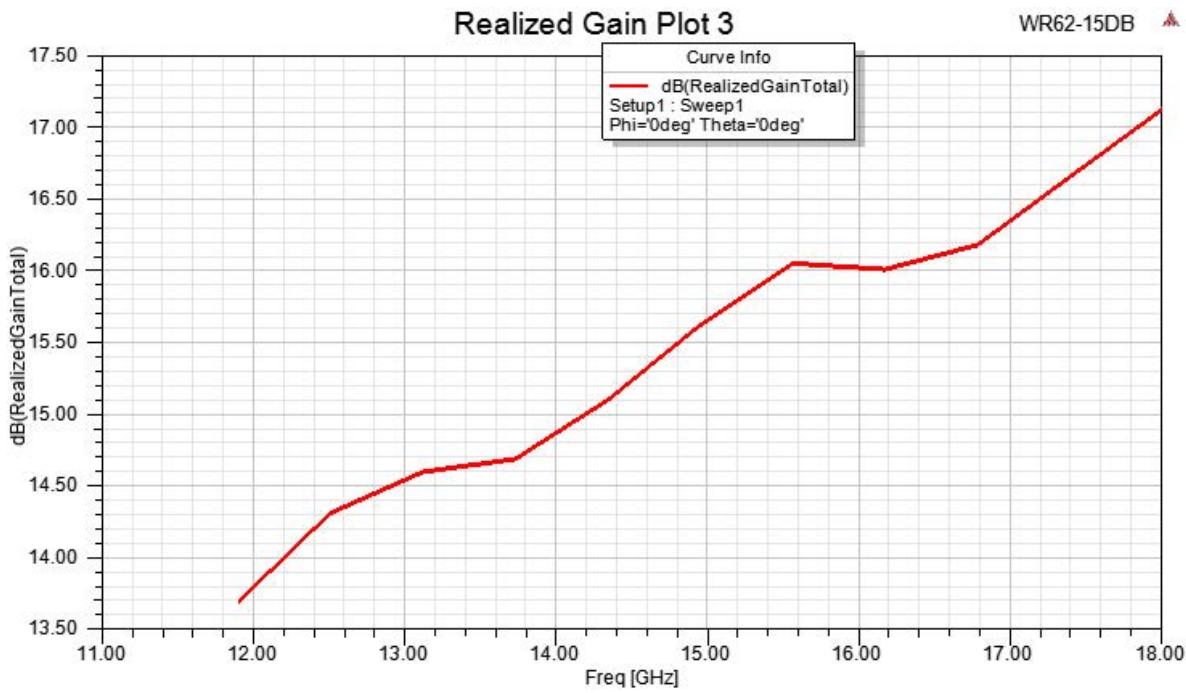
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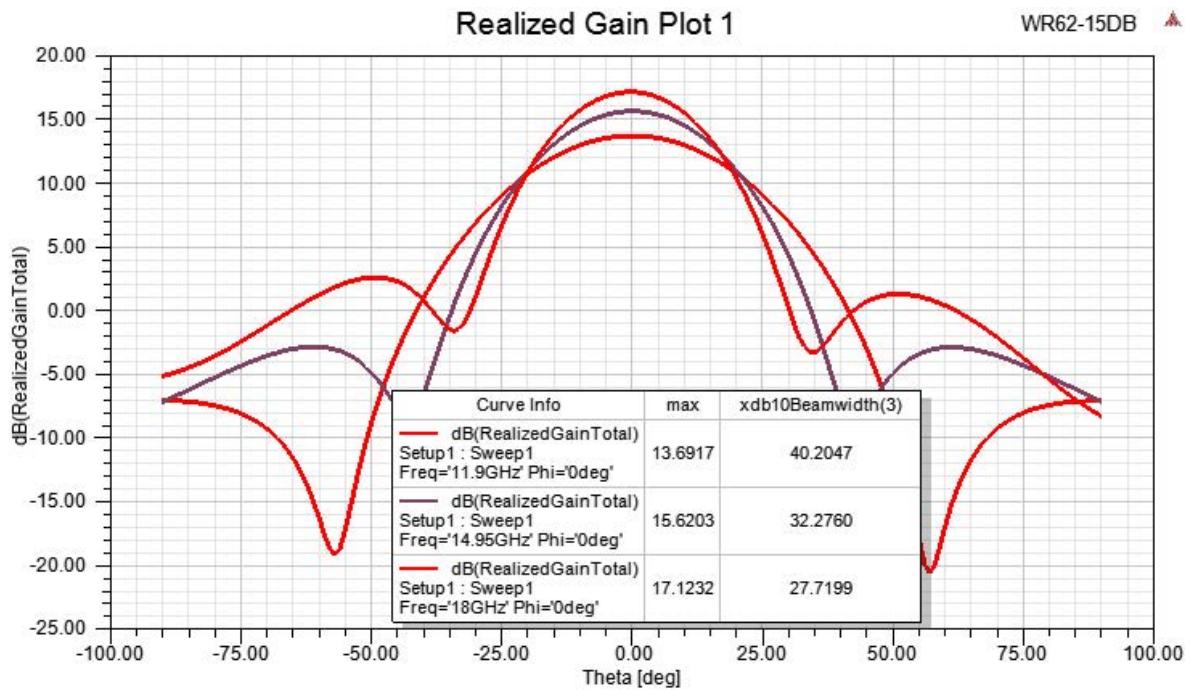
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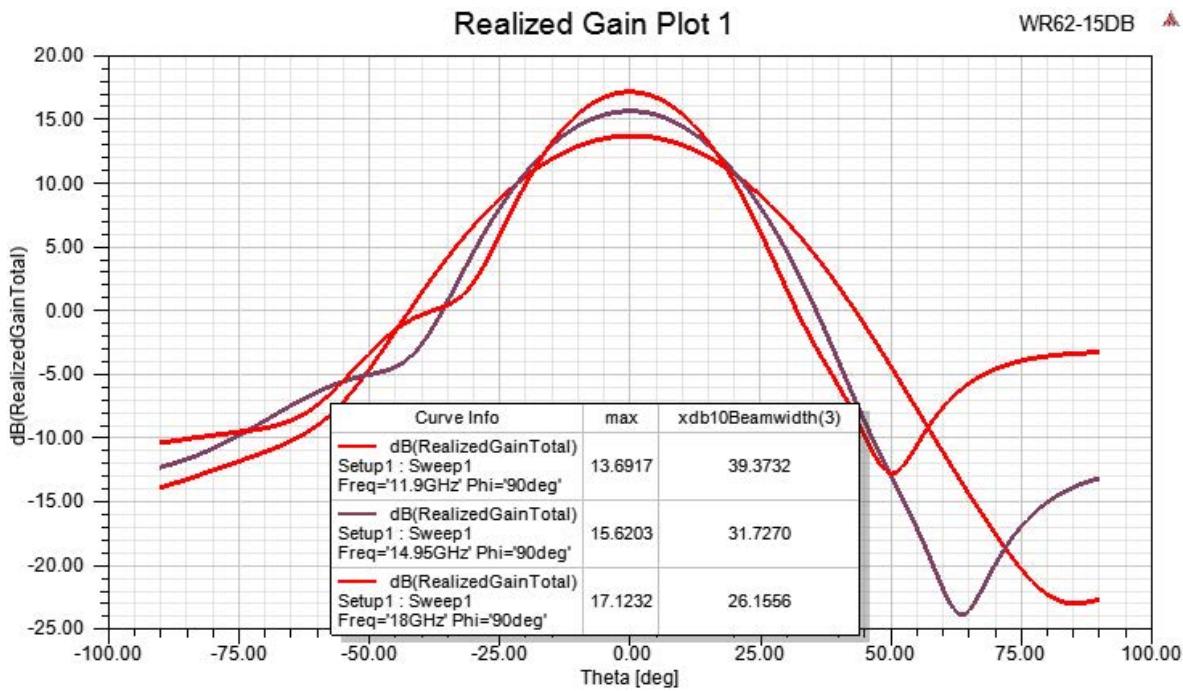
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WR-62 Standard Gain Horn with 15 dBi gain, SMA Female connector, Integrated Cage-Style Mount from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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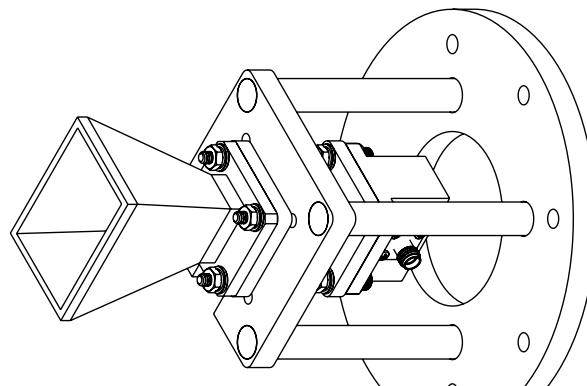
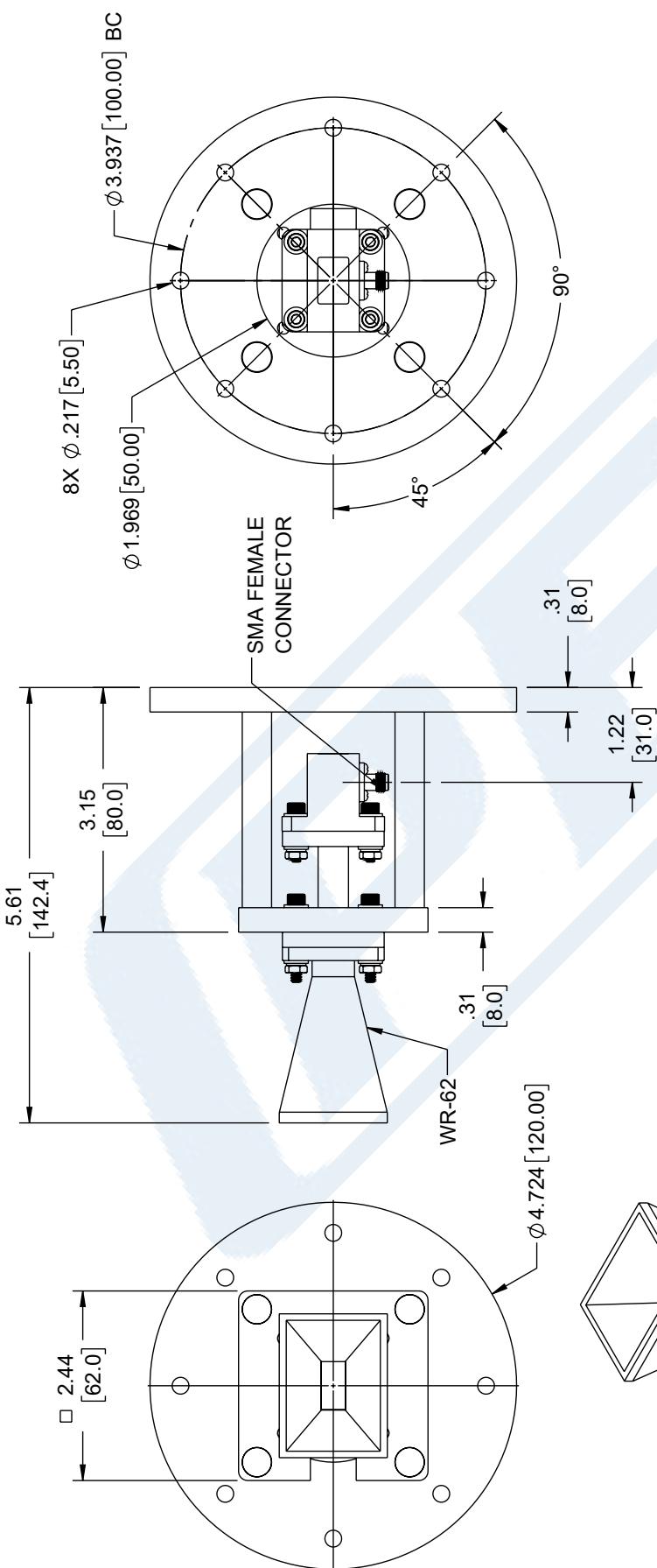
URL: <https://www.pasternack.com/wr-62-standard-gain-horn-with-15-dbi-gain-sma-female-connector-integrated-cage-style-mount-pe1wan062-15sf-p.aspx>

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PE1WAN062-15SF CAD Drawing

WR-62 Standard Gain Horn with 15 dBi gain, SMA Female connector, Integrated Cage-Style Mount

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



<b>PASTERNAK</b> an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS		FRACTIONS XX = $\pm 0.22$ [0.5] XX = $\pm 0.05$ [0.13]	
TOLERANCES: CABLE LENGTH TOLERANCES: XX = $\pm 1/32$ [0.12]		ANGLES $\pm 1^\circ$ CABLE LENGTH TOLERANCES: XX = $\pm 1/32$ [0.12]	
		SCALE NONE	SHEET 1 OF 1
DESCRIPTION WR-62 STANDARD GAIN HORN WITH 15 DBI GAIN, SMA FEMALE CONNECTOR WITH PRE-INSTALLED CAGE-STYLE MOUNT		ITEM NO. PE1WAN062-15SF	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UN-DIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		SIZE A CAGE CODE 53919 DRAWN BY HBAKKE	

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