



WR-62 Standard Gain Horn with 10 dBi gain, SMA Male connector, Integrated Cage-Style Mount

Technical Data Sheet

PE1WAN062-10SM

Features

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

- SMA Male 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 PE1WAN062-10SM 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 Male waveguide to coaxial adapter and operates from 12.4 GHz to 18 GHz.

Our PE1WAN062-10SM standard gain horn antenna with integrated cage-style mount has a nominal gain of 10 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 52.1 dB and 51.6 dB respectively. Pasternack's SMA Male 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 PE1WAN062-10SM 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 Male interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and ship same day.

Configuration

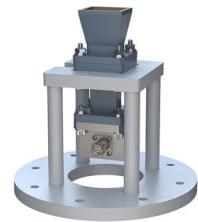
Design
Coaxial Interface

WR-62 Standard Gain Horn
SMA Male

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
Waveguide Standard Gain Horn				
Gain		10		dB ⁱ
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		Degrees
Waveguide to Coaxial Adapter				
Input VSWR			1.2:1	

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 10 dBi gain, SMA Male connector, Integrated Cage-Style Mount PE1WAN062-10SM](#)



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Mechanical Specifications

Size

Length

4.724 in [119.99 mm]

Width

4.724 in [119.99 mm]

Height

4.61 in [117.09 mm]

Weight

0.83105 lbs [376.96 g]

RF Connector

Type

SMA Male

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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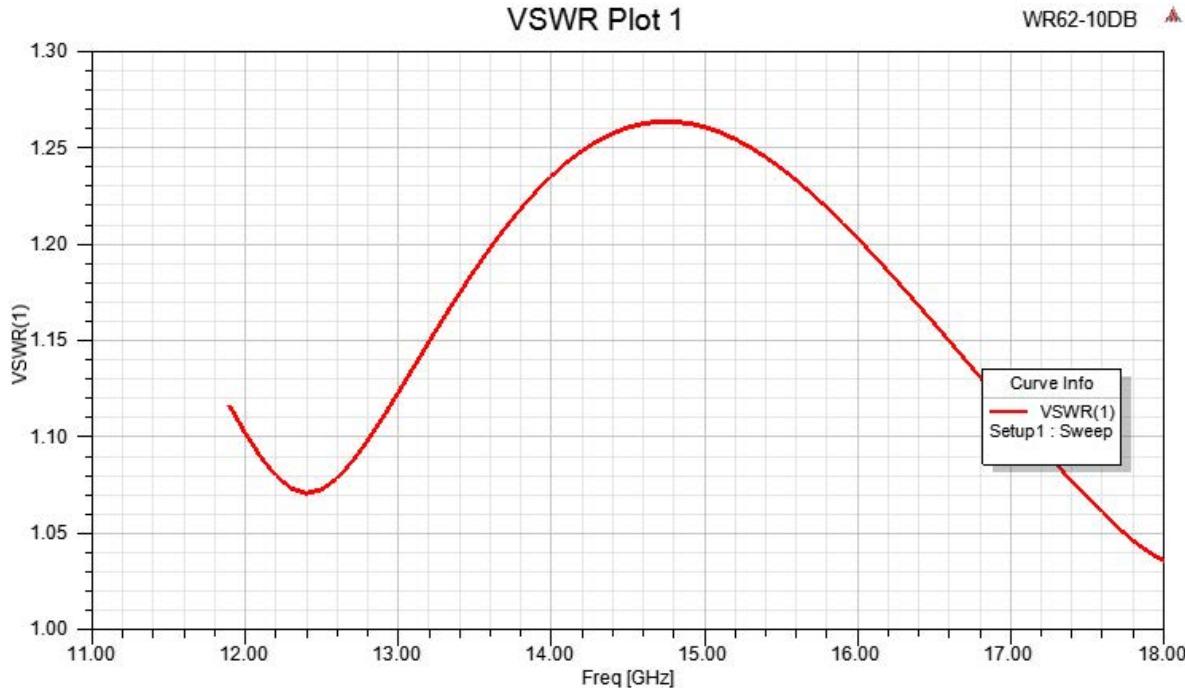


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Typical Performance Data



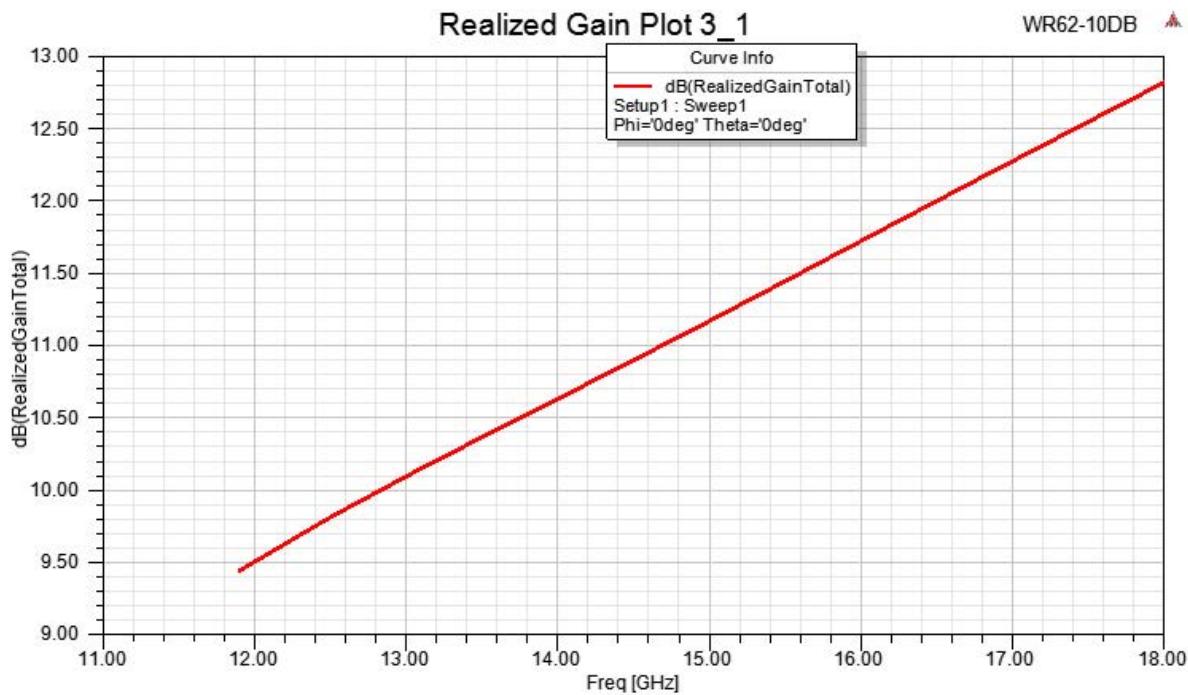
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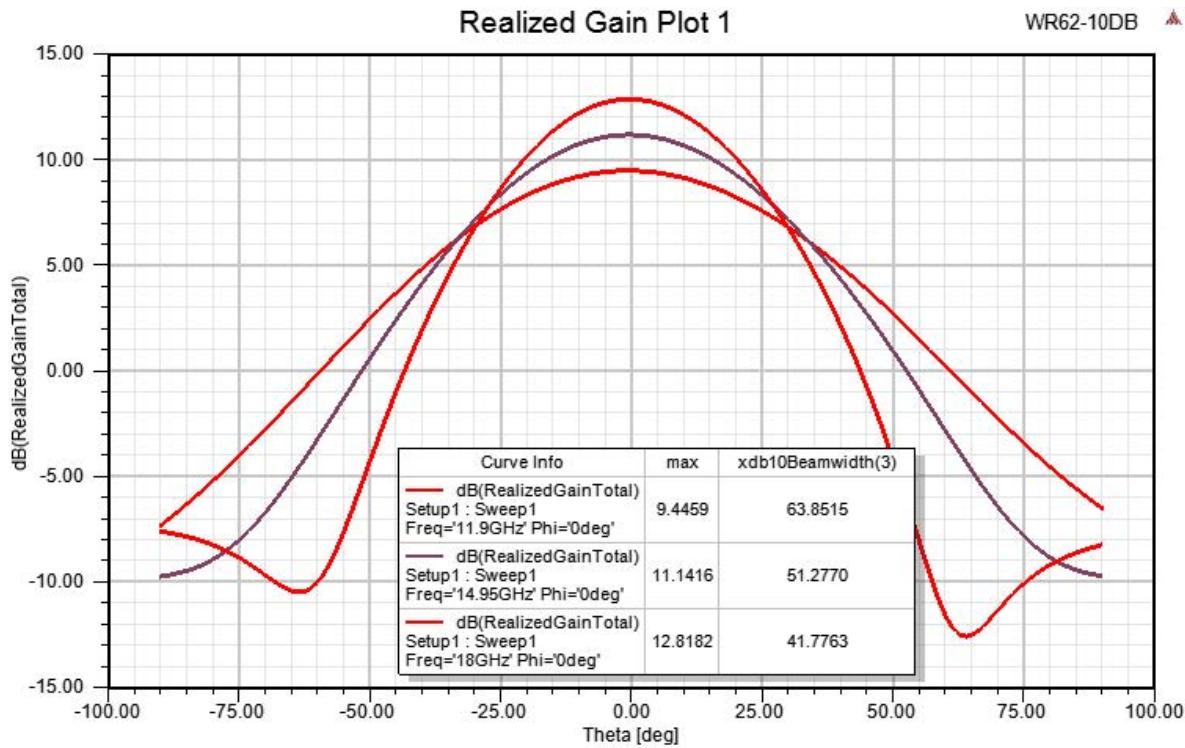
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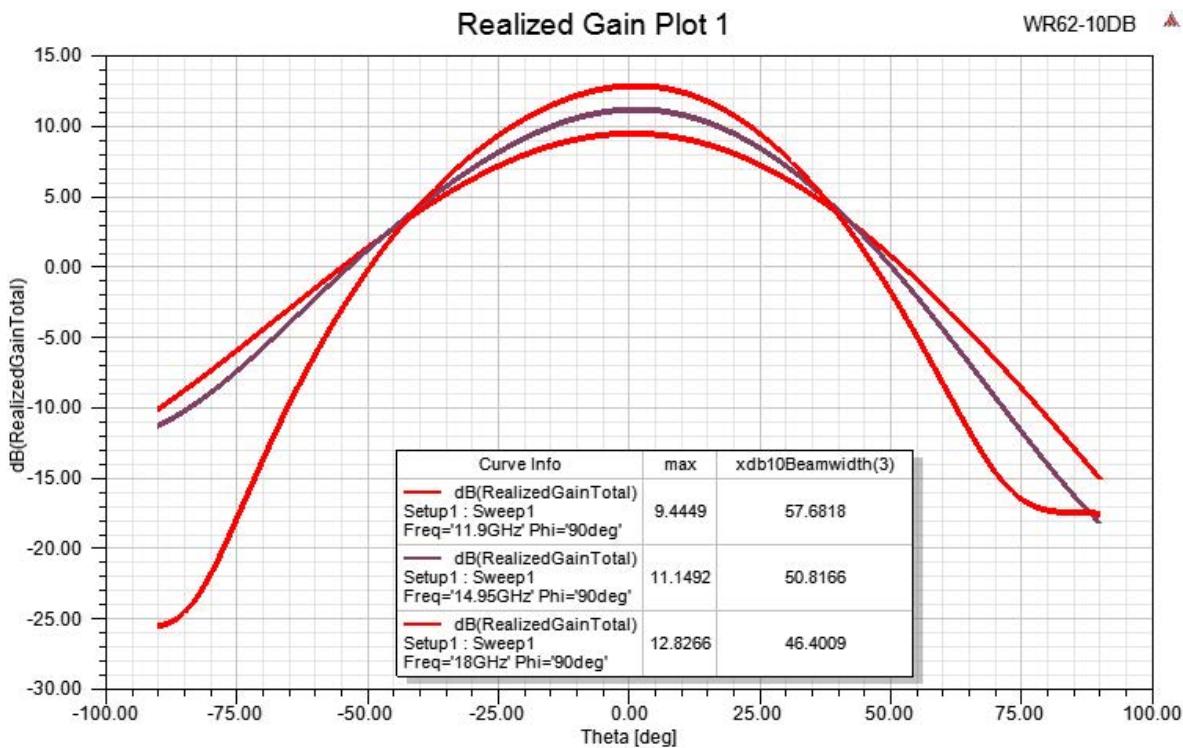
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WR-62 Standard Gain Horn with 10 dBi gain, SMA Male connector, Integrated Cage-Style Mount from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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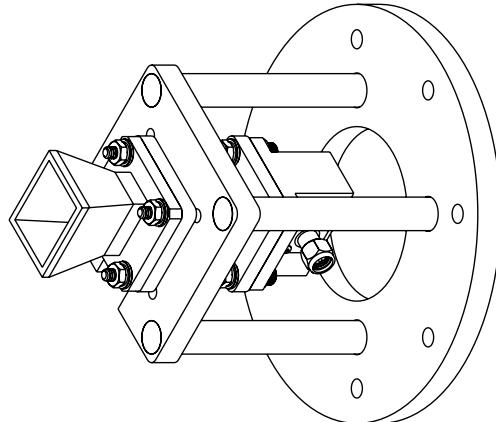
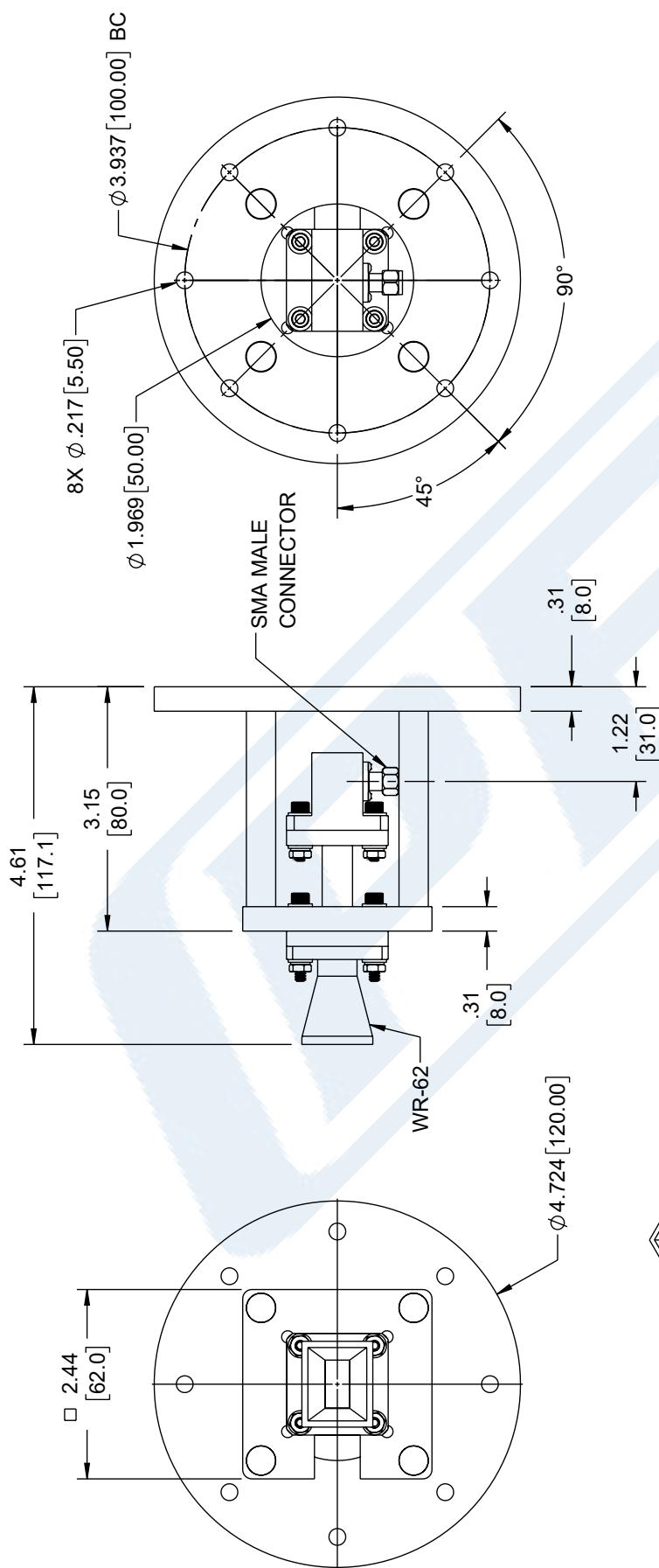
URL: <https://www.pasternack.com/wr-62-standard-gain-horn-with-10-dbi-gain-sma-male-connector-integrated-cage-style-mount-pe1wan062-10sm-p.aspx>

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PE1WAN062-10SM CAD Drawing

WR-62 Standard Gain Horn with 10 dBi gain, SMA Male connector, Integrated Cage-Style Mount

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



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