

WR-62 Standard Gain Horn with 10 dBi gain,  
End Launch SMA Female connector

## Technical Data Sheet

## PEWAN062-10ELSF

### Features

- 12.4 GHz to 18 GHz
- WR-62 Waveguide Band
- 10 dBi Nominal Gain
- SMA Female End Launch Connector

### Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test
- Solutions
- Radar Cross Section
- Satellite Antenna Testing

### Description

The PEWAN062-10ELSF standard gain horn antenna (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This standard gain horn is mated with a WR-62 to SMA Female End Launch waveguide to coaxial adapter and operates from 12.4 GHz to 18 GHz.

Our PEWAN062-10ELSF standard gain horn antenna 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 Female End Launch 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 PEWAN062-10ELSF 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 End Launch interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and Ship same day.

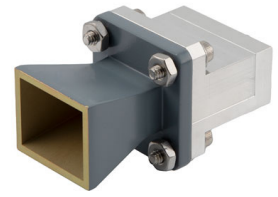
### Configuration

Design: WR-62 Standard Gain Horn  
Coaxial Interface: SMA Female

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
<b>Waveguide Standard Gain Horn</b>				
Gain		10		dBi
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		Degrees
<b>Waveguide to Coaxial Adapter</b>				
Input VSWR			1.4:1	

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, End Launch SMA Female connector PEWAN062-10ELSF](#)



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### Mechanical Specifications

#### Size

Length	2.575 in [65.41 mm]
Width	1.31 in [33.27 mm]
Height	1.31 in [33.27 mm]
Weight	0.2109 lbs [95.66 g]

#### RF Connector

Type	SMA Female
Specification	End Launch

#### Waveguide Interface

Waveguide Size	WR-62
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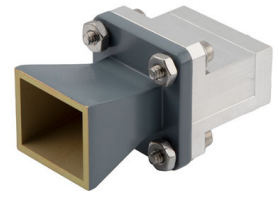
### Environmental Specifications

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

### Plotted and Other Data

Notes:

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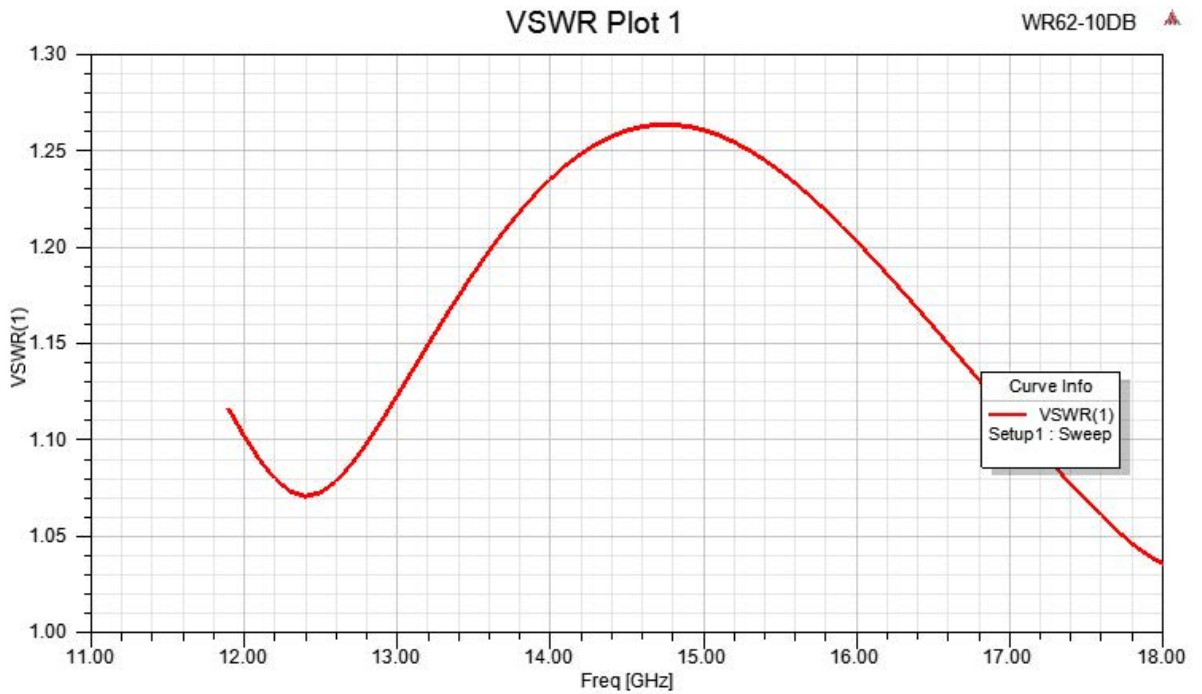


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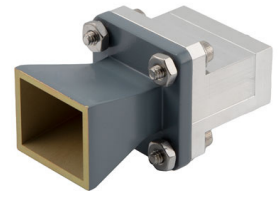
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Typical Performance Data



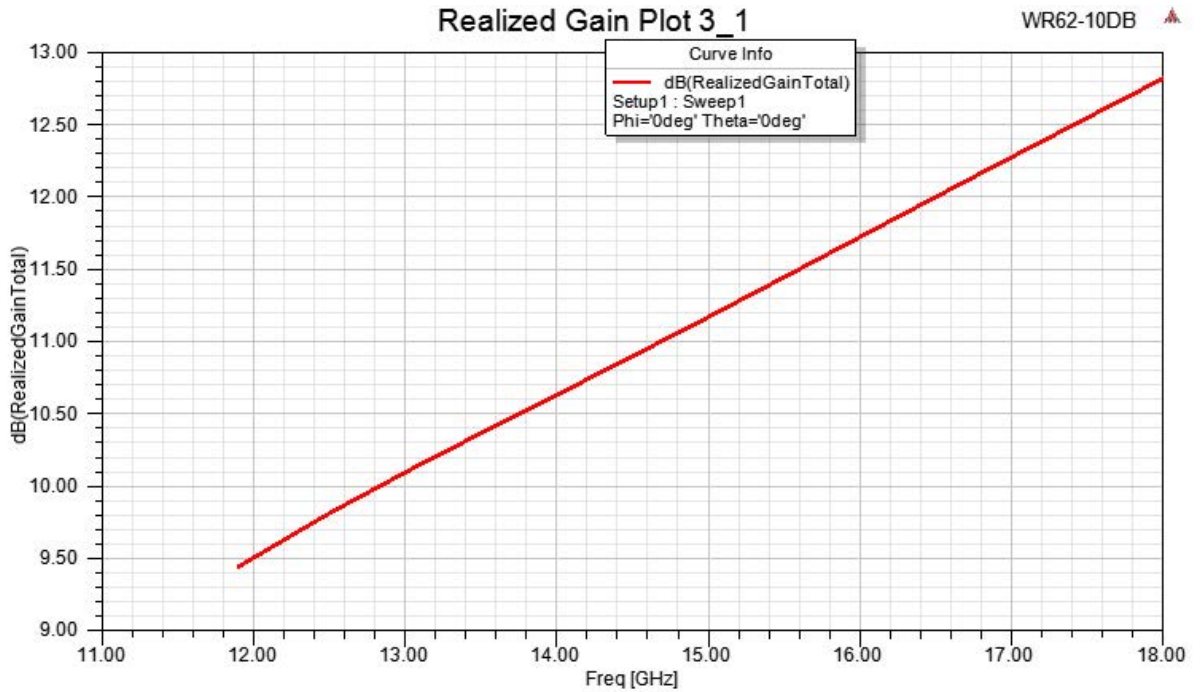
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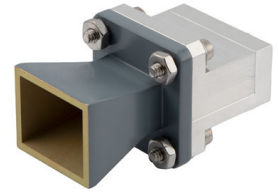
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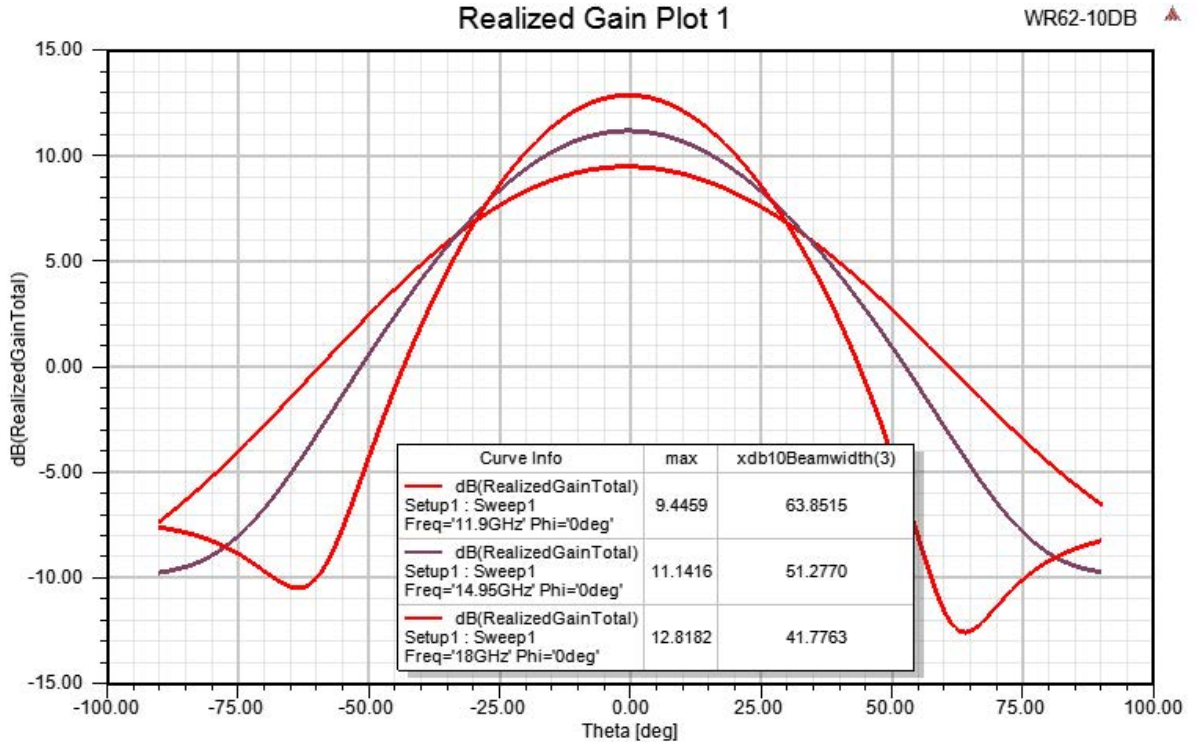
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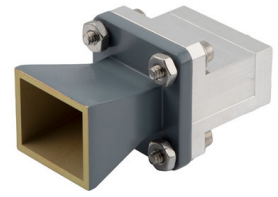
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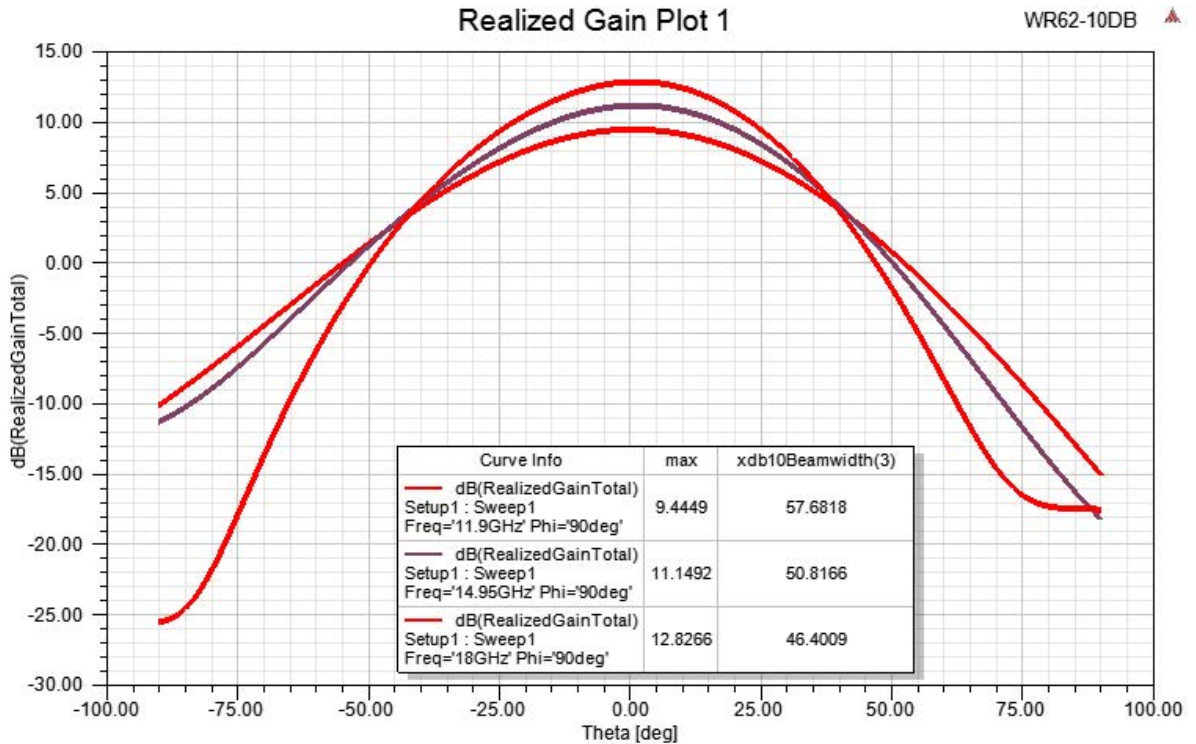
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WR-62 Standard Gain Horn with 10 dBi gain, End Launch SMA Female connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are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

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URL:

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