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WR-102 Standard Gain Horn with 15 dBi gain, End Launch SMA Female connector

Technical Data Sheet PEWAN102-15ELSF

Features

- 7 GHz to 11 GHz
- WR-102 Waveguide Band
- 15 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 PEWAN102-15ELSF 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-102 to SMA Female End Launch waveguide to coaxial adapter and operates from 7 GHz to 11 GHz.

Our PEWAN102-15ELSF standard gain horn antenna 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 End Launch to WR-102 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN102-15ELSF 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-102 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-102 Standard Gain Horn
Coaxial Interface	SMA Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	7		11	GHz
Waveguide Standard Gain Horn				
Gain		15		dBi
Horizontal Half Power Beam Width		31		Degrees
Vertical Half Power Beam Width		32		Degrees
Waveguide to Coaxial Adapter				
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-102 Standard Gain Horn with 15 dBi gain, End Launch SMA Female connector PEWAN102-15ELSF

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

Size

Length	5.043 in [128.09 mm]
Width	2.764 in [70.21 mm]
Height	1.989 in [50.52 mm]
Weight	0.565 lbs [256.28 g]

RF Connector

Type	SMA Female
Specification	End Launch

Waveguide Interface

Waveguide Size	WR-102

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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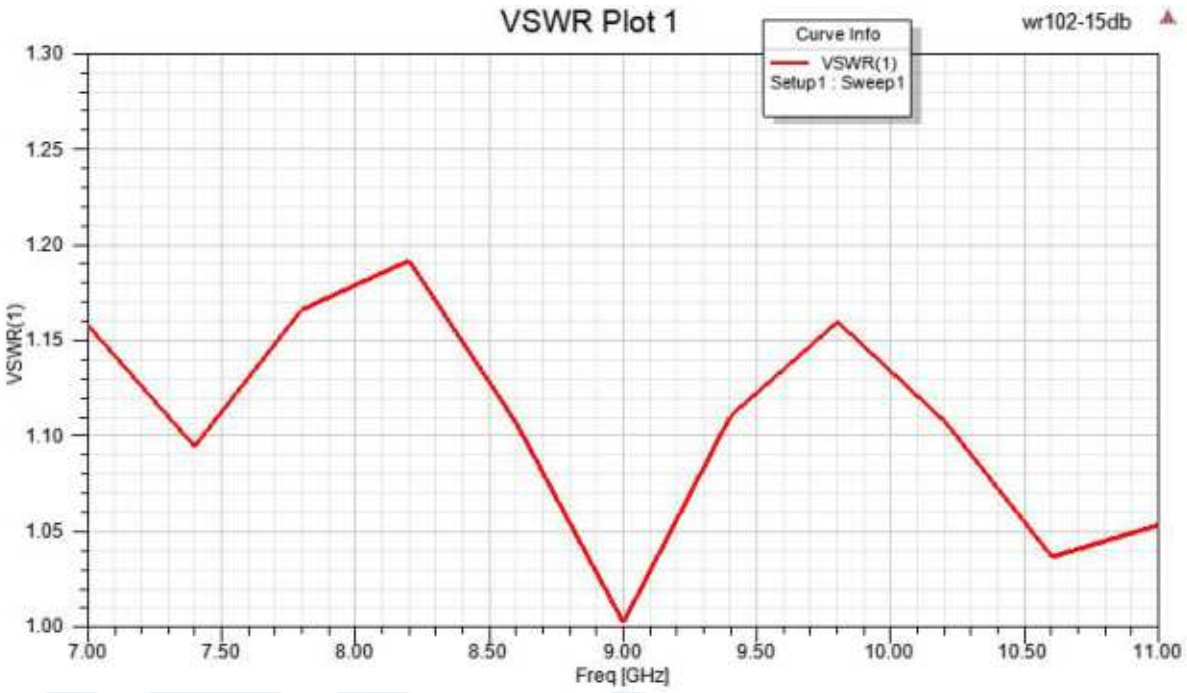
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Typical Performance Data



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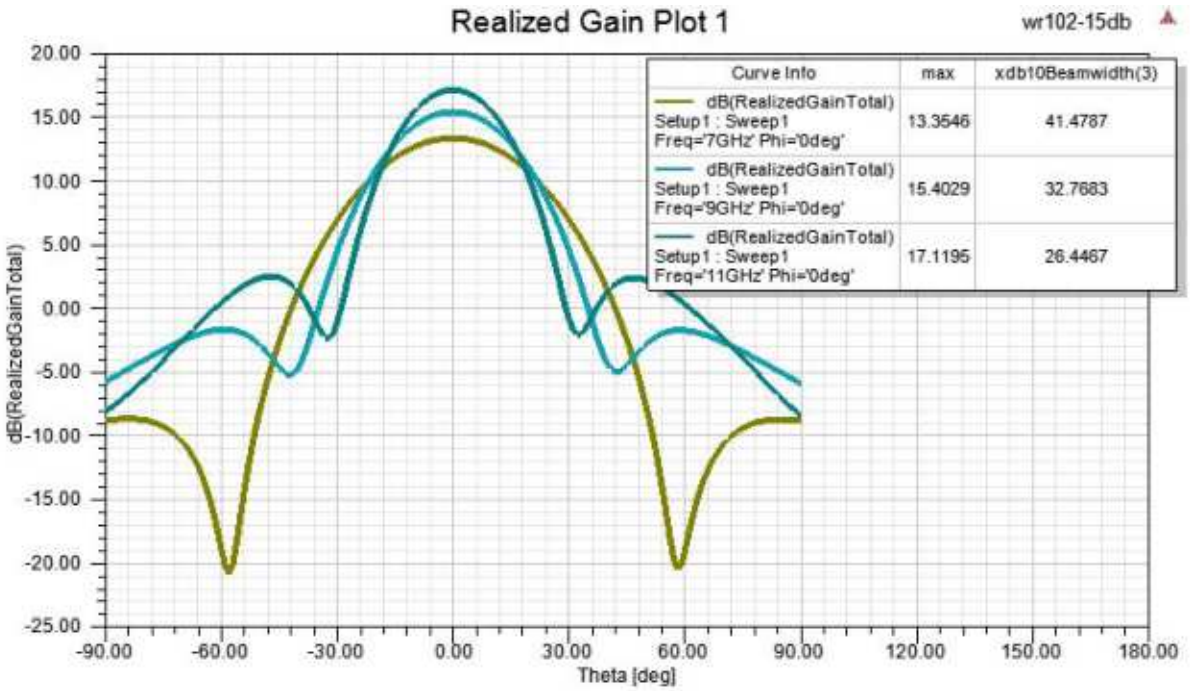
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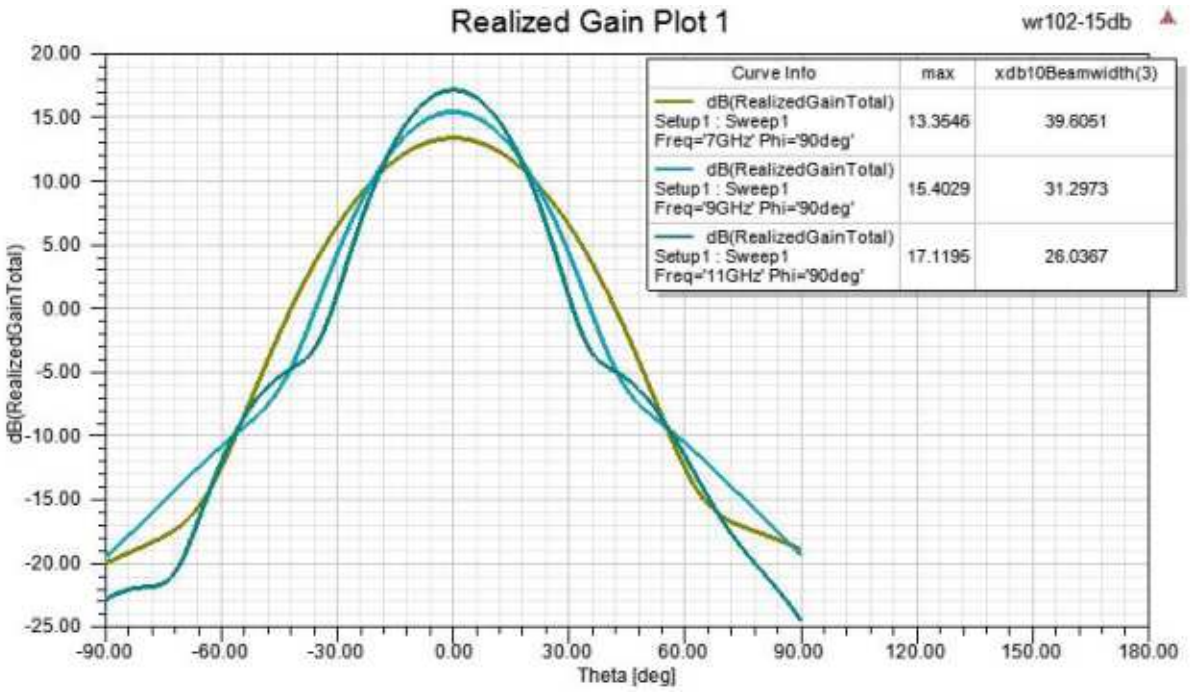
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WR-102 Standard Gain Horn with 15 dBi gain, End Launch SMA Female connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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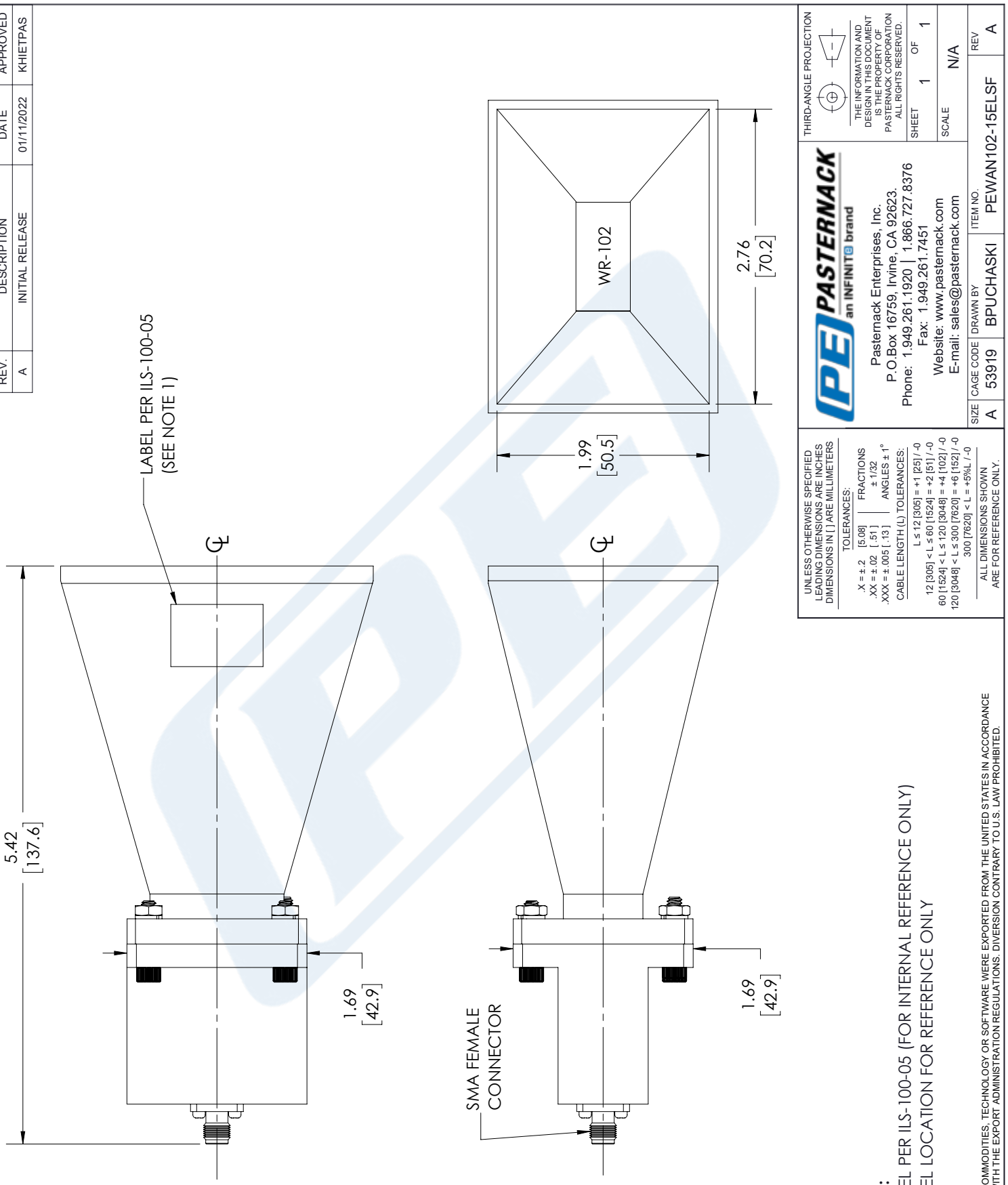
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PEWAN102-15ELSF CAD Drawing

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