



Broadband Gain Horn Antenna, 0.8 GHz to 8 GHz
 10 dBi Gain, SMA Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN1151

Features

- Antenna Measurements
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing

Applications

- Ultra Broadband 800 MHz to 8 GHz
- Double-Ridge Waveguide
- Linearly Polarized
- 10 dBi Nominal Gain
- SMA Female Connector
- Mounting Bracket Included
- Powder Coated Aluminum

Description

The PEWAN1151 broadband gain horn antenna (double ridge waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This broadband horn features an SMA Female coaxial connector and operates from 0.8 to 8 GHz.

Our PEWAN1151 broadband gain horn antenna has a nominal gain of 10 dBi with a typical input VSWR of 1.5:1. Pasternack's double-ridge broadband horns are available in 10, 11, 13, 15, and 20 dBi models with varying cross band frequency ranges to suit all application needs.

Waveguide antennas, such as the PEWAN1151 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 double ridge waveguide antennas with SMA Female interface are part of over 40,000 RF, microwave, and millimeter wave components from Pasternack available worldwide and Ship same day.

Configuration

Pattern	Directional
Polarization	Linear
Antenna Design Type	Broadband Gain Horn
RF Connector	SMA Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.8		8	GHz
Nominal Gain		10		dBi
VSWR		1.5:1		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband Gain Horn Antenna, 0.8 GHz to 8 GHz 10 dBi Gain, SMA Female Connector PEWAN1151](#)



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Mechanical Specifications

Size

Length 11 in [279.4 mm]

Width 6.3 in [160.02 mm]

Height 9 in [228.6 mm]

Weight 2.6 lbs [1.18 kg]

Body Material and Plating Aluminum, Powder Coat
RF Connector SMA Female

Environmental Specifications

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

Plotted and Other Data

Notes:

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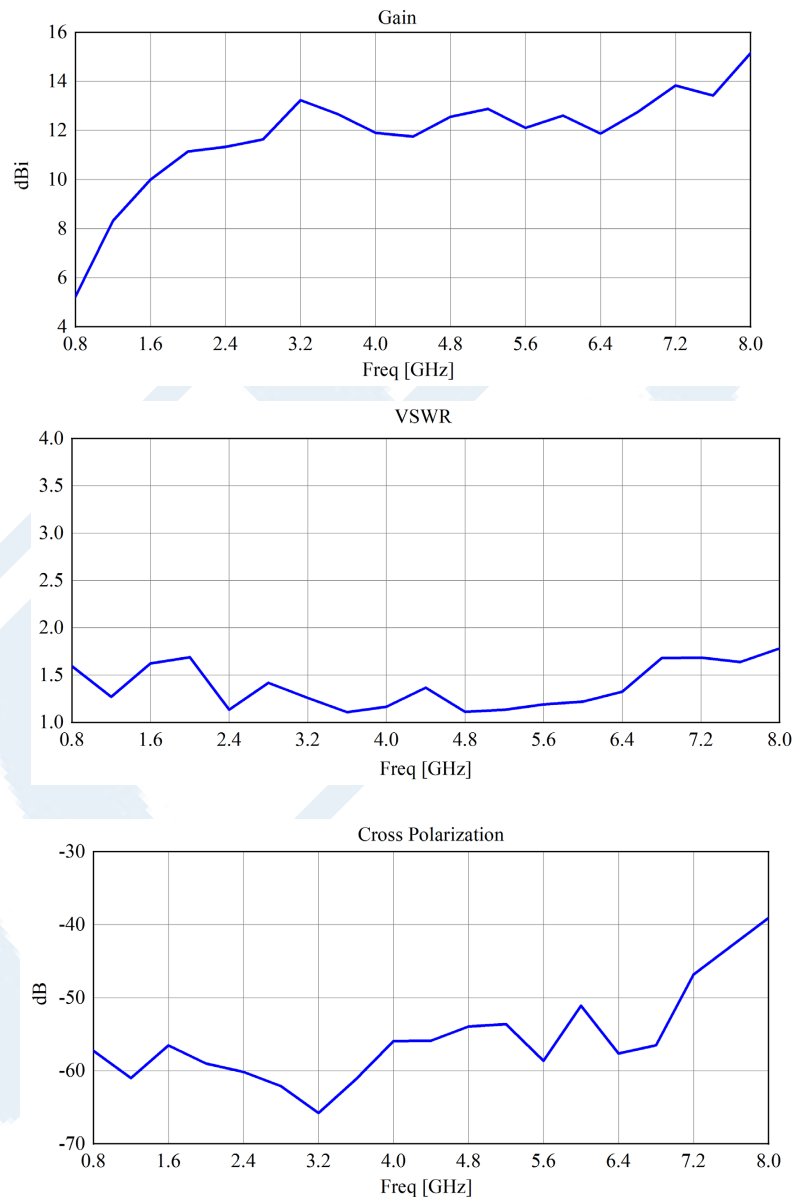


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Typical Performance Data



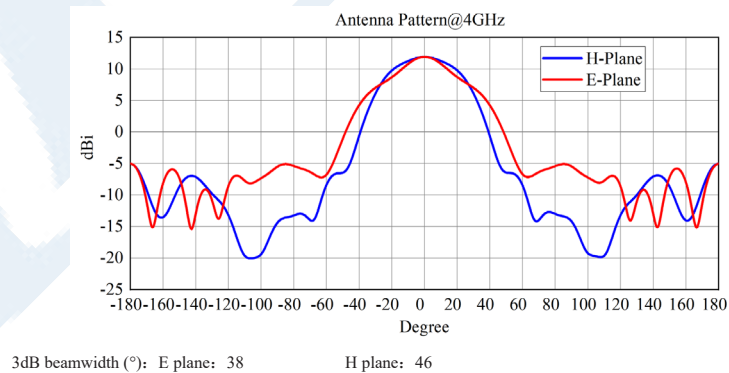
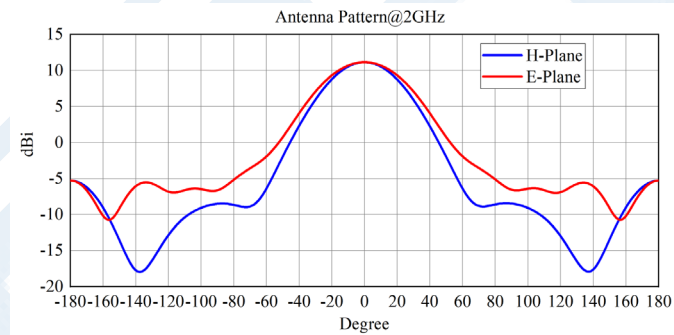
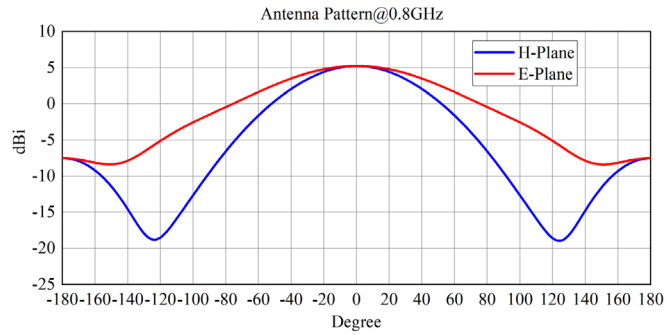
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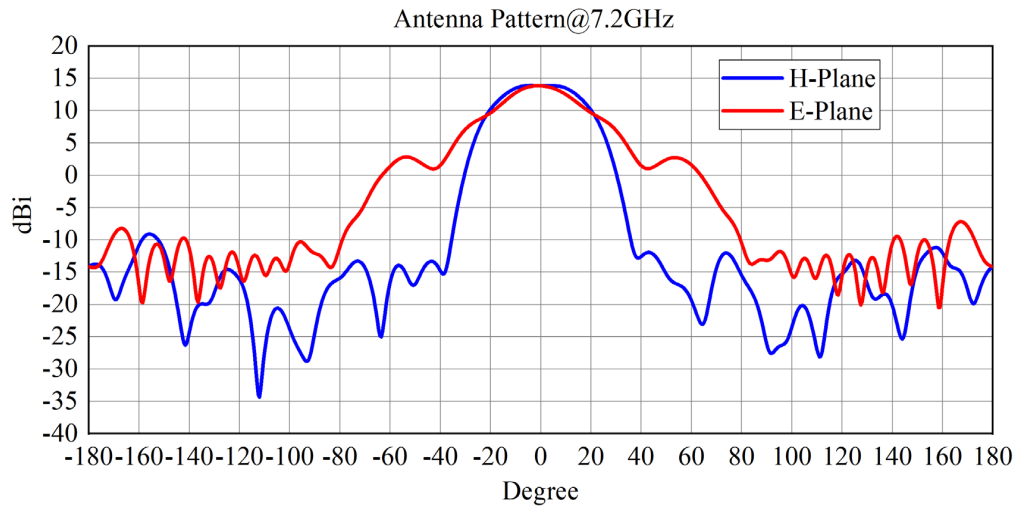
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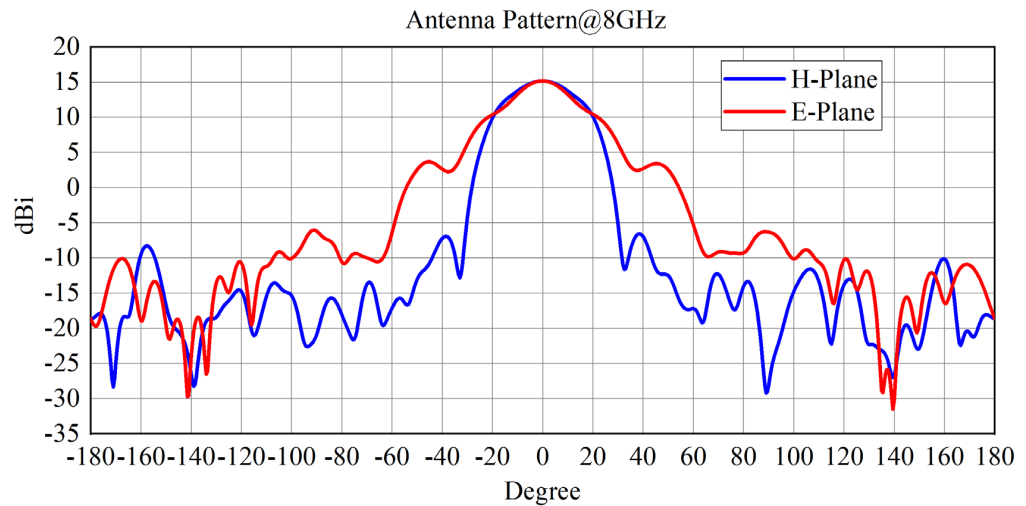
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3dB beamwidth (°): E plane: 32.2

H plane: 36.8



3dB beamwidth (°): E plane: 26.3

H plane: 32.1

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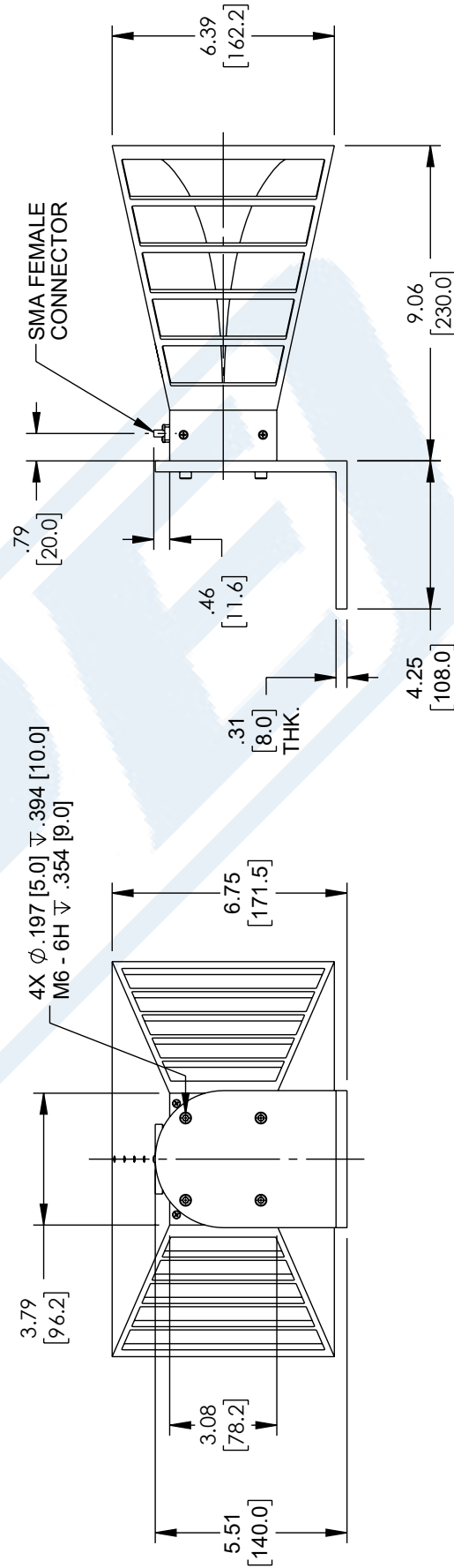
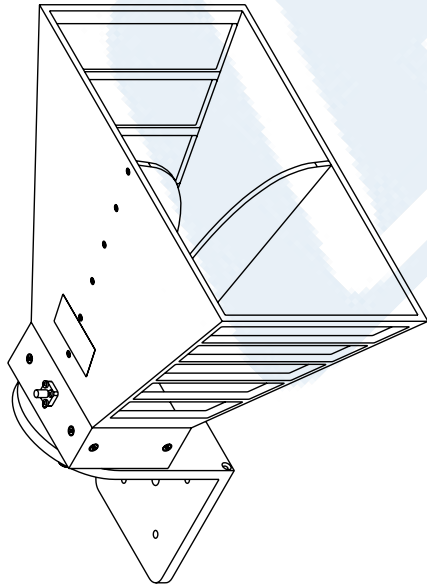
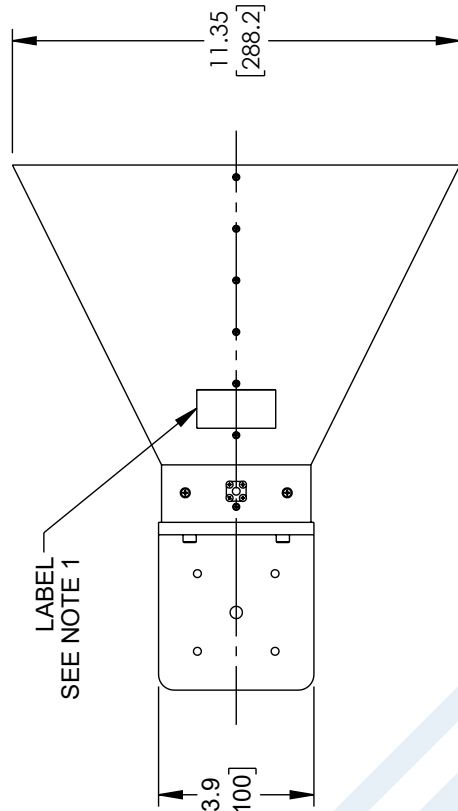
Broadband Gain Horn Antenna, 0.8 GHz to 8 GHz 10 dBi Gain, SMA Female Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband Gain Horn Antenna, 0.8 GHz to 8 GHz 10 dBi Gain, SMA Female Connector PEWAN1151](https://www.pasternack.com/waveguide-horn-antenna-8-ghz-10-dbi-sma-female-pewan1151-p.aspx)

URL: <https://www.pasternack.com/waveguide-horn-antenna-8-ghz-10-dbi-sma-female-pewan1151-p.aspx>

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REVISION					
ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	B	ECO-12727	07/14/2023	LNAGARAJ	WILLIAMSON



NOTES:

1. LABEL FOR REFERENCE ONLY.
LABEL LOCATION FOR REFERENCE ONLY.
2. MOUNTING BRACKET INCLUDED.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		 		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
PE PASTERNAK® an INFINITI® brand		SCALE: NONE		SHEET: 1 OF 1	
TOLERANCES:		DESCRIPTION			
X ± .2 [.5] FRACTIONS XX ± .02 [.5] ± .132 XXX ± .005 [.13] ANGLES ± 1°		Website: www.Pasternak.com Phone: 1.866.727.8376 1.949.261.1920			
CABLE LENGTH TOLERANCES:					
≤ 12 [305] ± .125 [1] / -0 >12 [305] ≤ 60 [1524] ± .25 [51] / -0 >60 [1524] ≤ 120 [3048] ± .4 [102] / -0 >120 [3048] ≤ 300 [7620] ± .6 [152] / -0 >300 [7620] ± .5% / -0					
BROADBAND GAIN HORN ANTENNA, 0.8 GHZ TO 8 GHZ 10 DBI GAIN, SMA FEMALE CONNECTOR					
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	B
A	53919	KGLEBOVA	PEWAN1151		1
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