

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



Specialty Waveguide Antennas Technical Data Sheet

PEWAN1152

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
- N Female Connector

- Mounting Bracket Included
- Powder Coated Aluminum

Description

The PEWAN1152 broadband gain horn antenna (double ridge waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This broadband horn features an N Female coaxial connector and operates from 0.8 to 8 GHz.

Our PEWAN1152 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 PEWAN1152 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 N Female interface are part of over 40,000 RF, microwave, and millimeter wave components from Pasternack available worldwide and Ship same day.

Configuration

Pattern
Polarization
Antenna Design Type
RF Connector

Directional
Linear
Broadband Gain Horn
N 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, N Type Female Connector PEWAN1152](#)

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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

2.568 lbs [1.16 kg]

Body Material and Plating

Aluminum, Powder Coat

RF Connector

N Female

Environmental Specifications

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

Plotted and Other Data

Notes:

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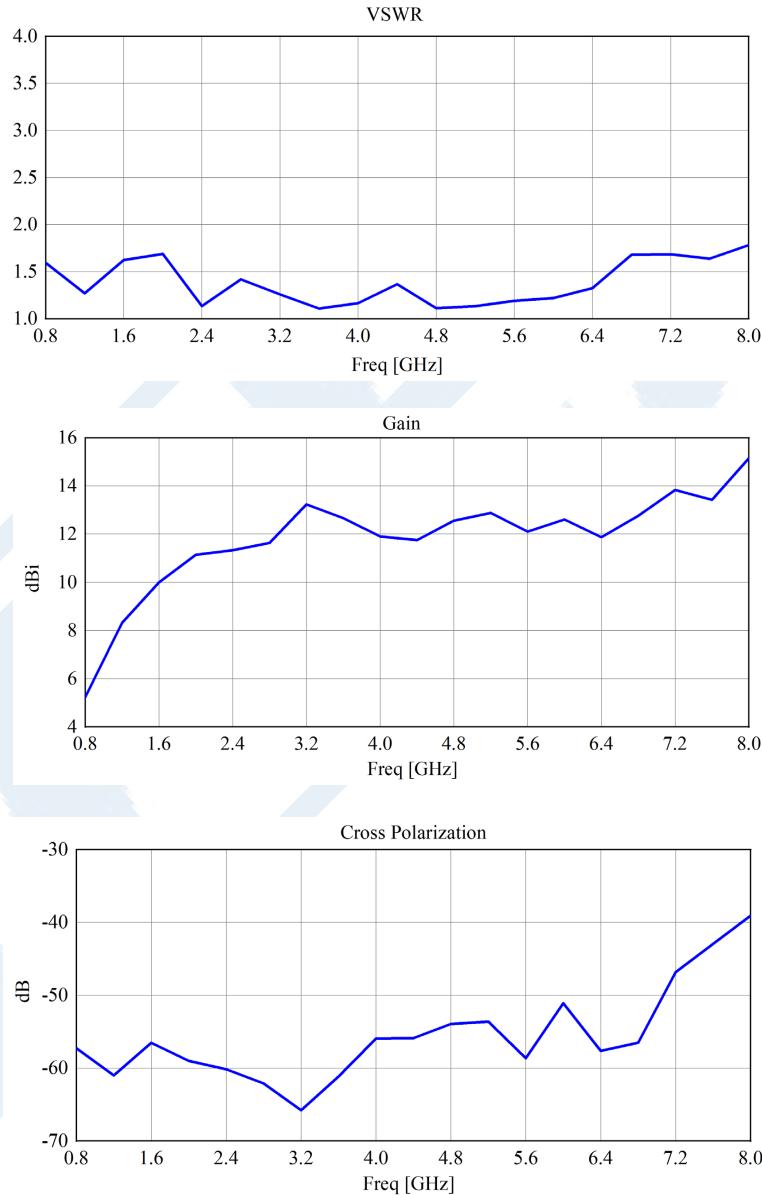


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Typical Performance Data



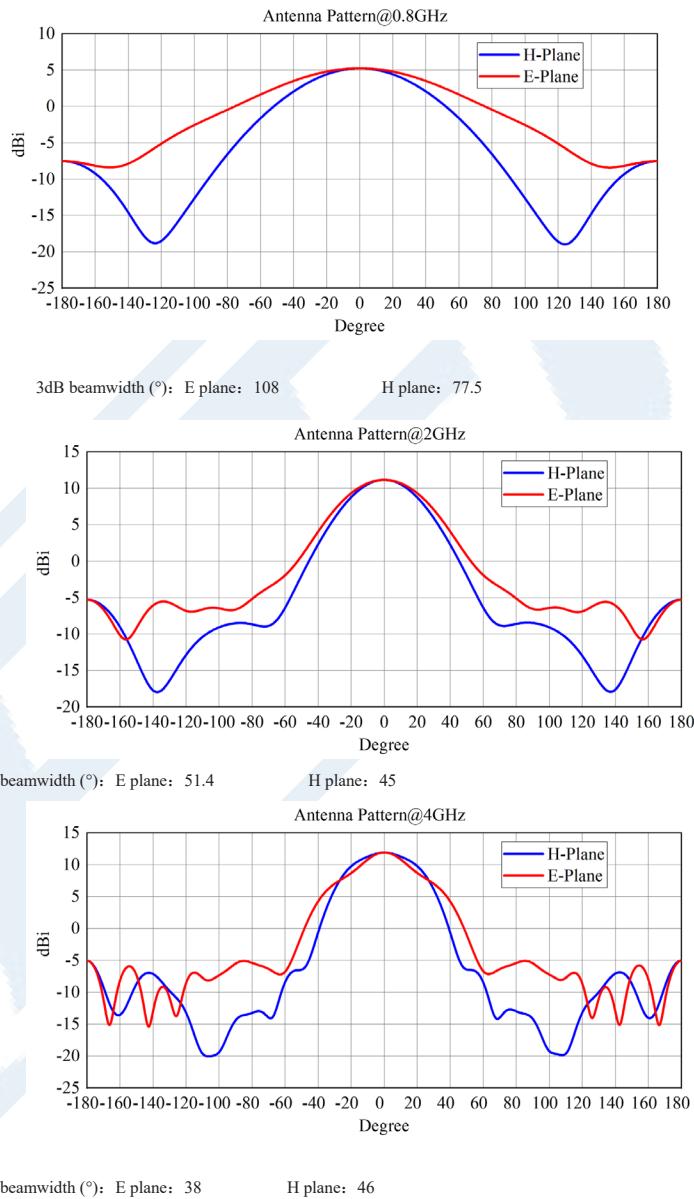
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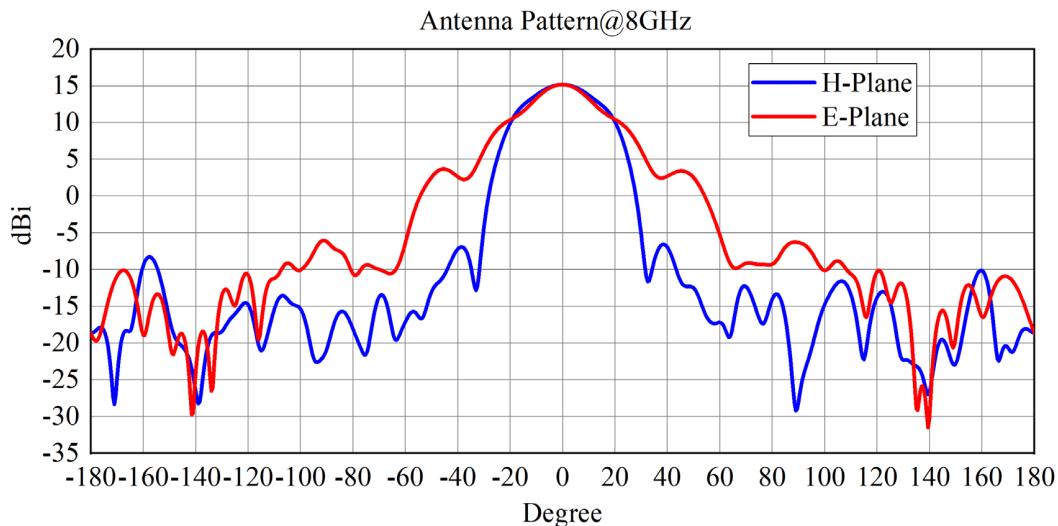
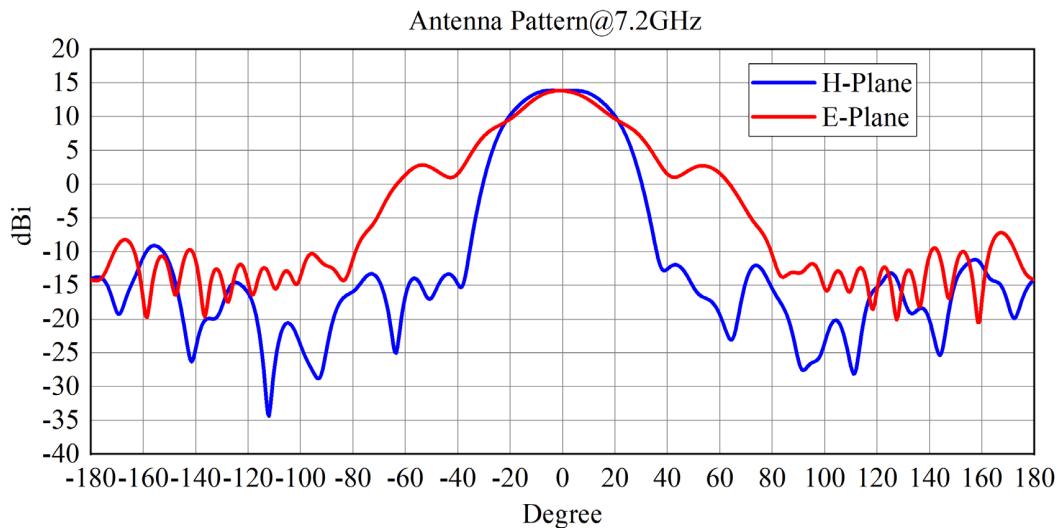
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Broadband Gain Horn Antenna, 0.8 GHz to 8 GHz 10 dBi Gain, N Type Female Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability 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, N Type Female Connector PEWAN1152](#)

URL: <https://www.pasternack.com/waveguide-horn-antenna-8-ghz-10-dbi-n-female-pewan1152-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PEWAN1152 CAD Drawing

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

F

E

D

C

B

A

1

2

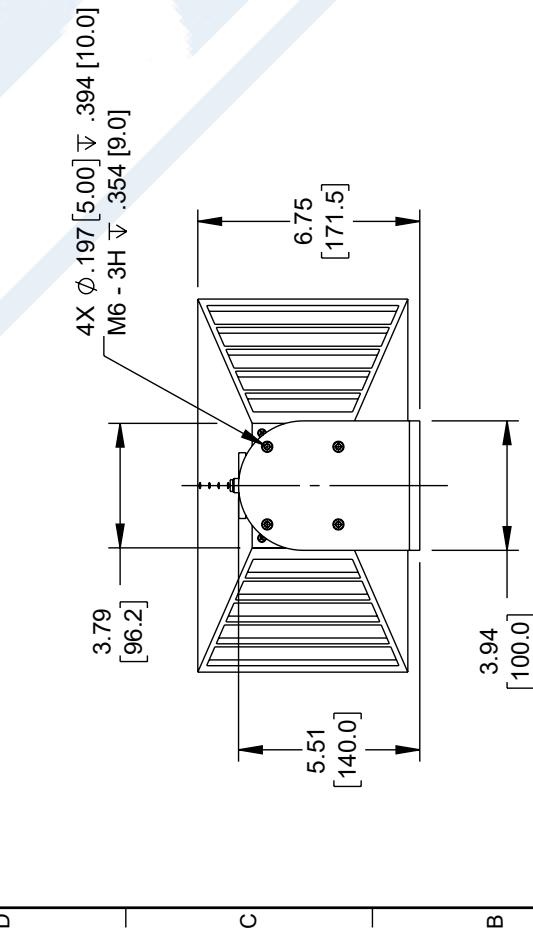
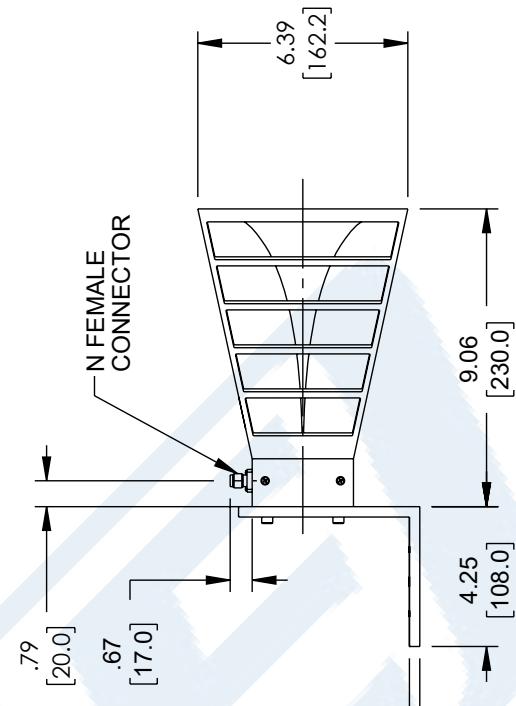
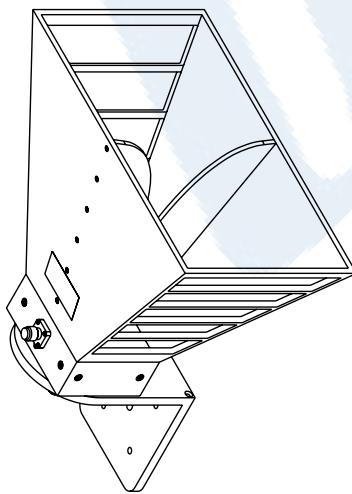
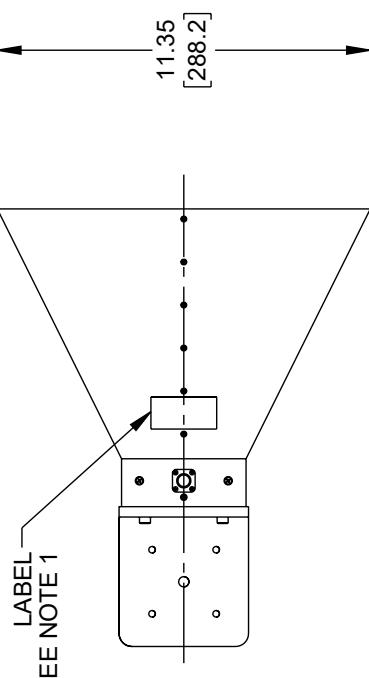
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6

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



NOTES:

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

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PESTERNACK® an INFINIT® brand DESCRIPTION BROADBAND GAIN HORN ANTENNA, 0.8 GHZ TO 8 GHZ 10 DBI GAIN, N TYPE FEMALE CONNECTOR Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
	SCALE NONE SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS
TOLERANCES:
 $X = \pm .2$ [5] FRACTIONS
 $XX = \pm .02$ [.5] $\pm 1/32$
 $XXX = \pm .005$ [.13] ANGLES $\pm 1^\circ$
 CABLE LENGTH TOLERANCES:
 ≤ 12 [305] $= +1$ [25] / -0
 > 12 [305] ≤ 60 [1524] $= +2$ [51] / -0
 > 60 [1524] ≤ 120 [3048] $= +4$ [102] / -0
 > 120 [3048] ≤ 300 [7620] $= +6$ [152] / -0
 > 300 [7620] $= +5\%$ / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE.