

Broadband Horn Antenna, Dual Polarized 42 GHz to 44 GHz 21 dBi Gain, 2.4mm Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN1171

Features

- Ultra Broadband 42 GHz to 44 GHz
- Dual Polarized
- 21 dBi Nominal Gain
- Dual 2.4mm Female Coaxial Connector
- Mounting Bracket Included
- Powder Coated Aluminum

Applications

- Antenna Measurements
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing
- Radar Cross Section

Description

The PEWAN1171 dual polarized broadband horn antenna (also known as a waveguide horn antenna) from Pasternack is part of our comprehensive selection of broadband antennas. This waveguide horn features dual 2.4mm Female coaxial connector and operates from 42 GHz to 44 GHz.

Our PEWAN1171 dual polarized broadband horn antenna has a nominal gain of 21 dBi with a typical input VSWR of 1.2:1. Pasternack's broadband horns are available with gain values from 6 to 21 dBi with varying frequency ranges to suit the application needs.

Waveguide horn antennas, such as the PEWAN1171 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 broadband antennas are part of over 40,000 RF, microwave, and millimeter wave components from Pasternack available worldwide and ship same day.

Configuration

Pattern	Directional
Polarization	Dual Linear
Antenna Design Type	Broadband Gain Horn
RF Connector	2.4mm Female

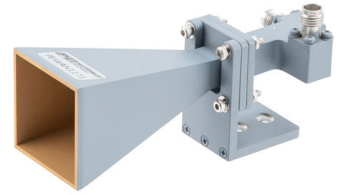
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	42		44	GHz
Nominal Gain		21		dBi
VSWR		1.2:1		

Mechanical Specifications

Size	
Length	1.141732 in [29 mm]
Width	1.141732 in [29 mm]
Height	3.070866 in [78 mm]
Weight	0.145 lbs [65.77 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Broadband Horn Antenna, Dual Polarized 42 GHz to 44 GHz 21 dBi Gain, 2.4mm Female Connector PEWAN1171](#)



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Body Material and Plating
RF Connector

Aluminum
2.4mm Female

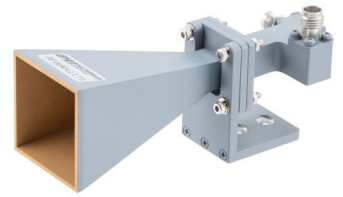
Environmental Specifications

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

Plotted and Other Data

Notes:

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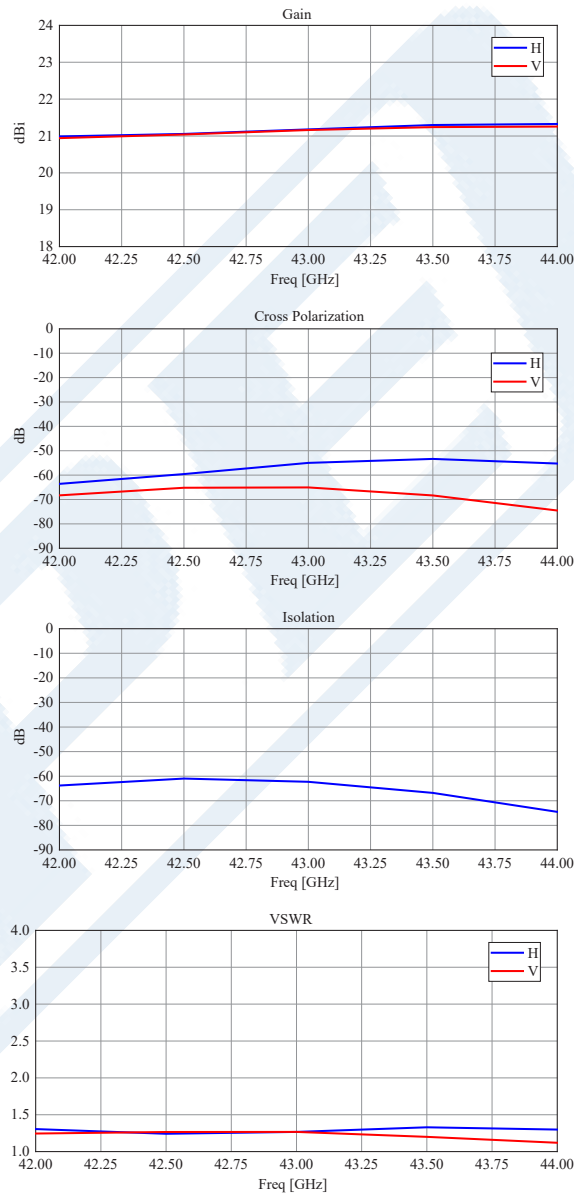


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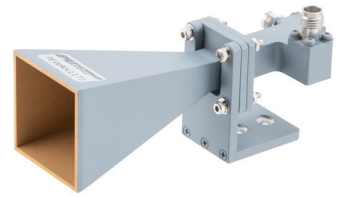
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Typical Performance Data



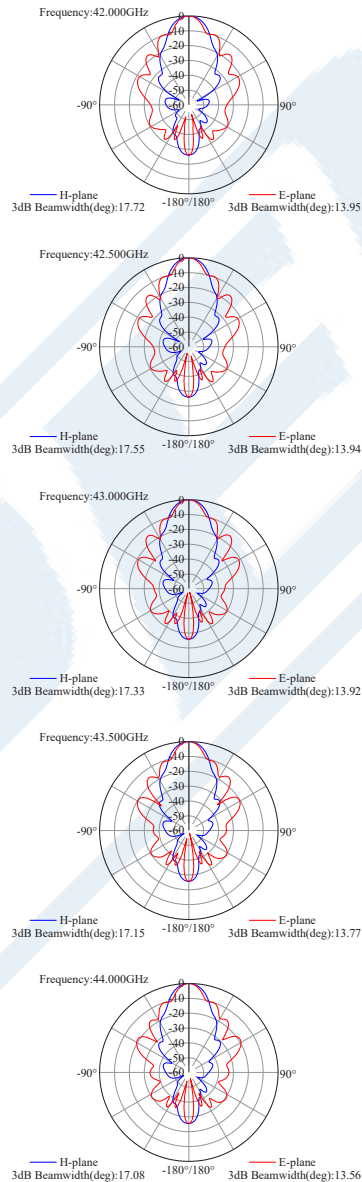
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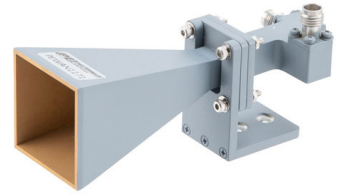
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Broadband Horn Antenna, Dual Polarized 42 GHz to 44 GHz 21 dBi Gain, 2.4mm Female Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability 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 Horn Antenna, Dual Polarized 42 GHz to 44 GHz 21 dBi Gain, 2.4mm Female Connector PEWAN1171](https://www.pasternack.com/waveguide-horn-antenna-44-ghz-21-dbi-2.4mm-female-pewan1171-p.aspx)

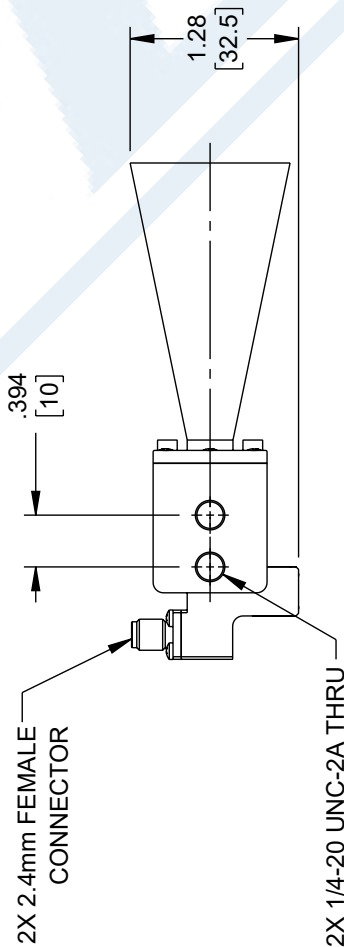
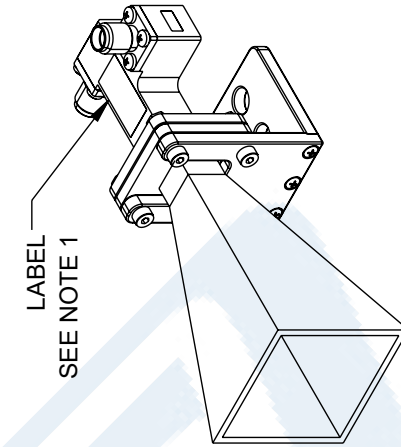
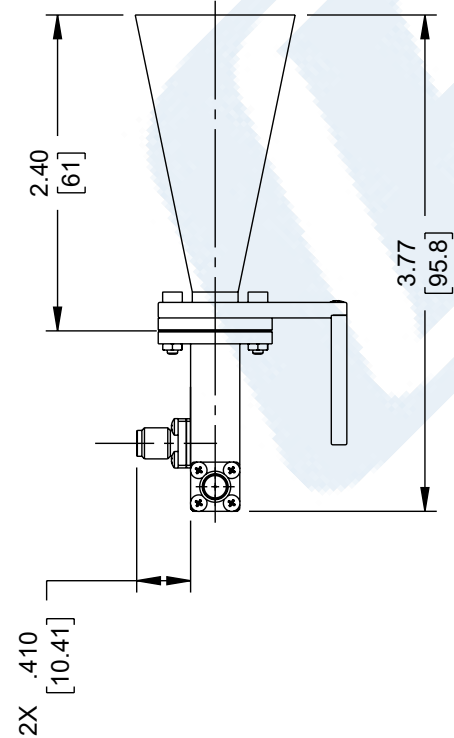
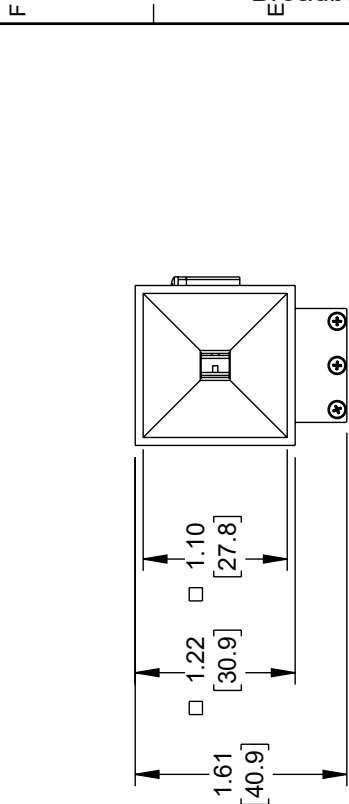
URL: <https://www.pasternack.com/waveguide-horn-antenna-44-ghz-21-dbi-2.4mm-female-pewan1171-p.aspx>

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PEWAN1171 CAD Drawing

Broadband Horn Antenna, Dual Polarized 42 GHz to 44 GHz

21 dBi Gain, 2.4mm Female Connector



NOTES:

1. LABEL FOR REFERENCE ONLY.
LABEL LOCATION FOR REFERENCE ONLY.

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [5]	FRACTIONS ±.1/32
.XX = ±.02 [.5]	±.1/32
.XXX = ±.005 [.13]	ANGLES ± 1°
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]	±.8 [203] / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	

PE PASTERNAK® an INFINIT® brand	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	
DESCRIPTION BROADBAND HORN ANTENNA, DUAL POLARIZED 42 GHz TO 44 GHz 20 dBi GAIN, 2.4mm FEMALE CONNECTORS	
SCALE NONE	SHEET 1 OF 1
INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
REV A	
ITEM NO. PEWAN1171	
DRAWN BY KGLEBOVA	
CAGE CODE 53919	