

Broadband Horn Antenna, Dual Polarized 32 GHz to 38 GHz 21 dBi Gain, 2.92mm Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN1170

Features

- Ultra Broadband 32 GHz to 38 GHz
- Conical Waveguide
- Dual Polarized
- 21 dBi Nominal Gain
- Dual 2.92mm 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 PEWAN1170 dual polarized broadband horn antenna (also known as a waveguide horn antenna) from Pasternack is part of our comprehensive selection of broadband antennas. This conical waveguide horn features dual 2.92mm Female coaxial connector and operates from 32 GHz to 38 GHz.

Our PEWAN1170 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 PEWAN1170 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.

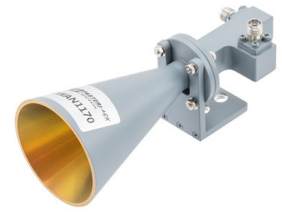
Configuration

Pattern	Directional
Polarization	Dual Linear
Antenna Design Type	Broadband Gain Horn
RF Connector	2.92mm Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	32		38	GHz
Nominal Gain		21		dBi
VSWR		1.2:1		

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 32 GHz to 38 GHz 21 dBi Gain, 2.92mm Female Connector PEWAN1170](#)



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Mechanical Specifications

Size

Length	1.755906 in [44.6 mm]
Width	1.755906 in [44.6 mm]
Height	5.787402 in [147 mm]
Weight	0.16 lbs [72.57 g]

Body Material and Plating
RF Connector

Aluminum
2.92mm Female

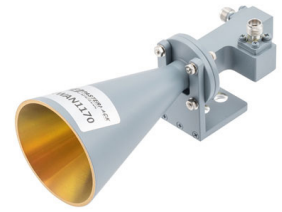
Environmental Specifications

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

Plotted and Other Data

Notes:

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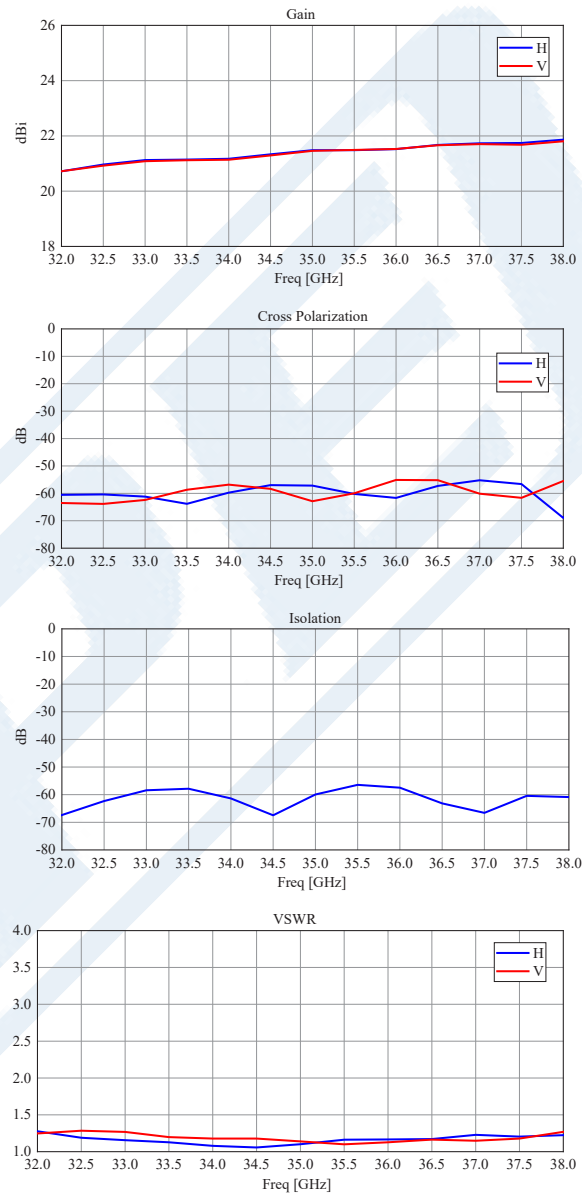


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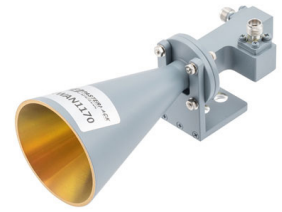
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Typical Performance Data



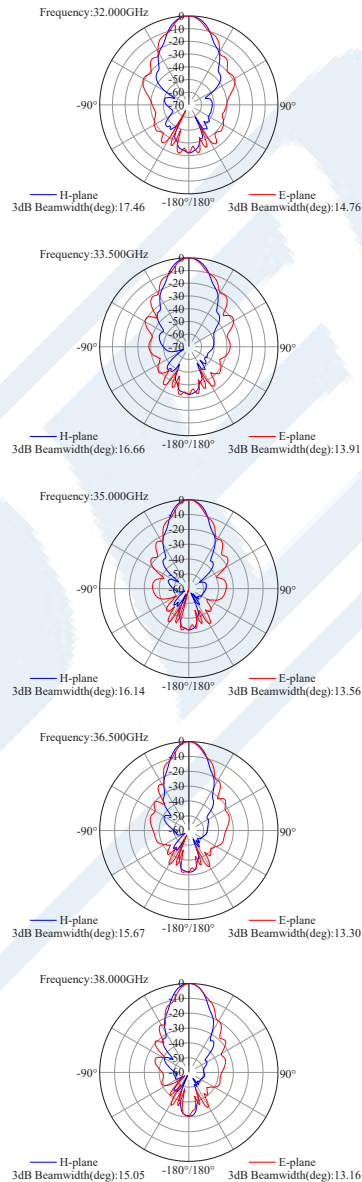
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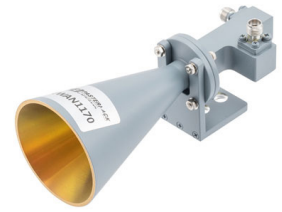
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Broadband Horn Antenna, Dual Polarized 32 GHz to 38 GHz 21 dBi Gain, 2.92mm Female Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability 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 32 GHz to 38 GHz 21 dBi Gain, 2.92mm Female Connector PEWAN1170](https://www.pasternack.com/waveguide-horn-antenna-38-ghz-21-dbi-2.92mm-female-pewan1170-p.aspx)

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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.

PEWAN1170 CAD Drawing

Broadband Horn Antenna, Dual Polarized 32 GHz to 38 GHz

21 dBi Gain, 2.92mm Female Connector

