

Broadband Gain Horn Antenna, 18 GHz to 40 GHz
 15 dBi Gain, 2.92mm Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN1154

Features

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

Applications

- Ultra Broadband 18 GHz to 40 GHz
- Double-Ridge Waveguide
- Linearly Polarized
- 15 dBi Nominal Gain
- 2.92mm Female Connector
- Mounting Bracket Included
- Powder Coated Aluminum

Description

The PEWAN1154 broadband gain horn antenna (waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This broadband horn features an 2.92mm Female coaxial connector and operates from 18 to 40 GHz.

Our PEWAN1154 broadband gain horn antenna has a nominal gain of 15 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 PEWAN1154 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 waveguide antennas with 2.92mm Female interface are part of over 40,000 RF, microwave, and millimeter wave components from Pasternack available worldwide and Ship same day.

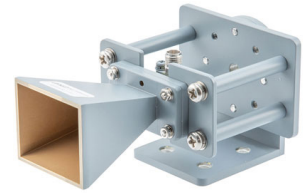
Configuration

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

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	18		40	GHz
Nominal Gain		15		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, 18 GHz to 40 GHz 15 dBi Gain, 2.92mm Female Connector PEWAN1154](#)



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Mechanical Specifications

Size

Length 1.77 in [44.96 mm]

Width 1.5 in [38.1 mm]

Height 1.5 in [38.1 mm]

Weight 0.128 lbs [58.06 g]

Body Material and Plating Aluminum, Powder Coat
RF Connector 2.92mm Female

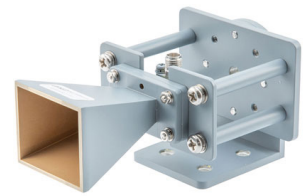
Environmental Specifications

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

Plotted and Other Data

Notes:

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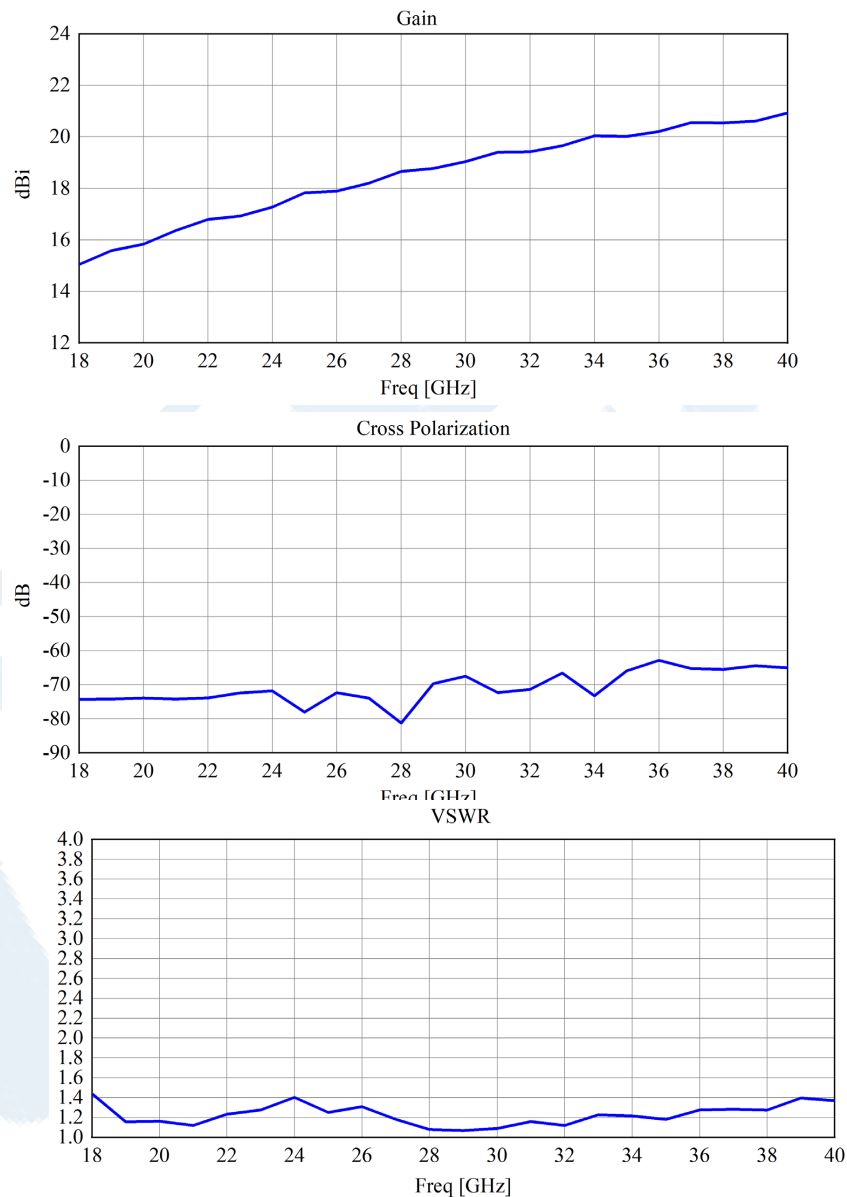


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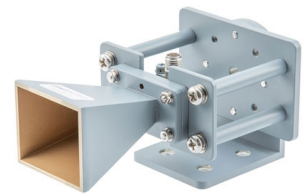
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Typical Performance Data



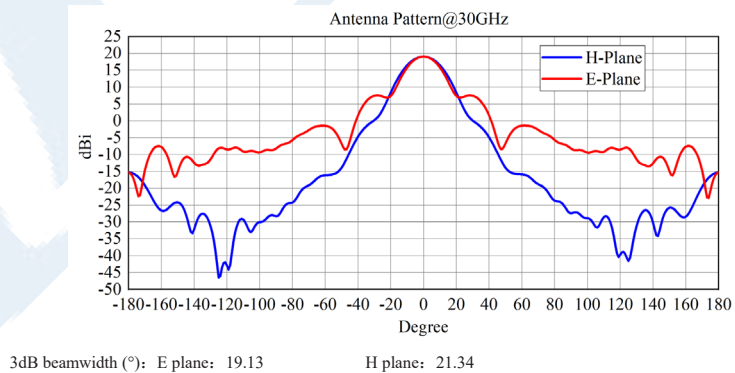
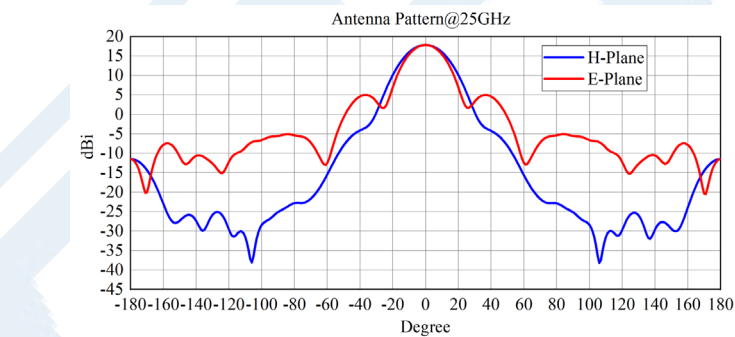
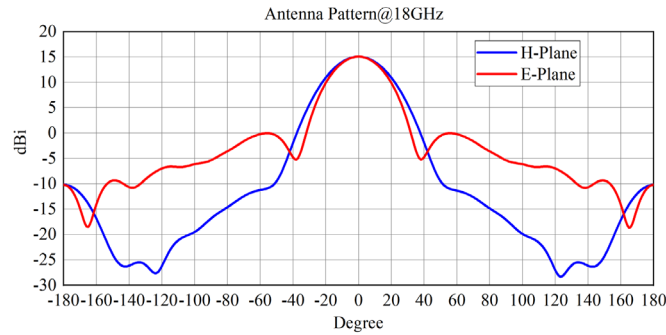
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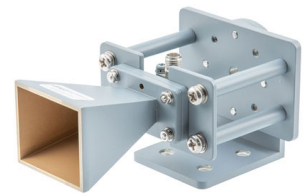
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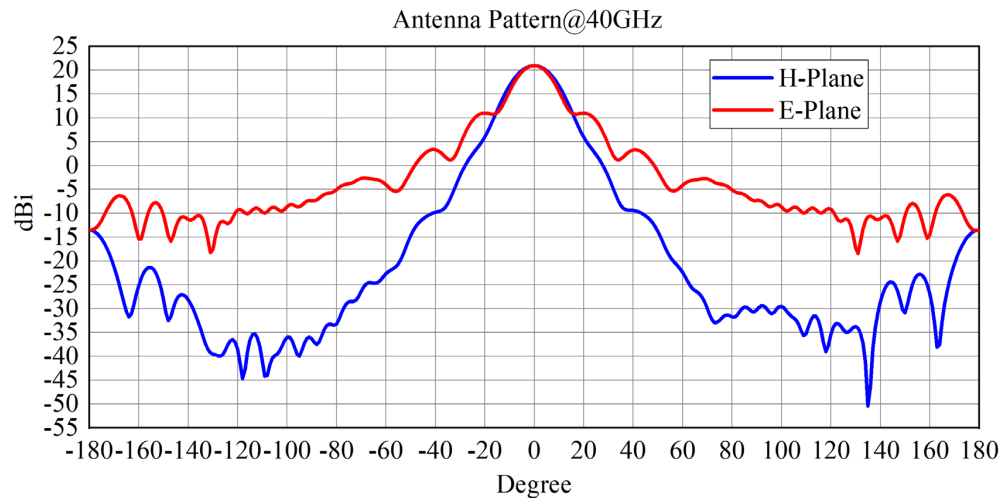
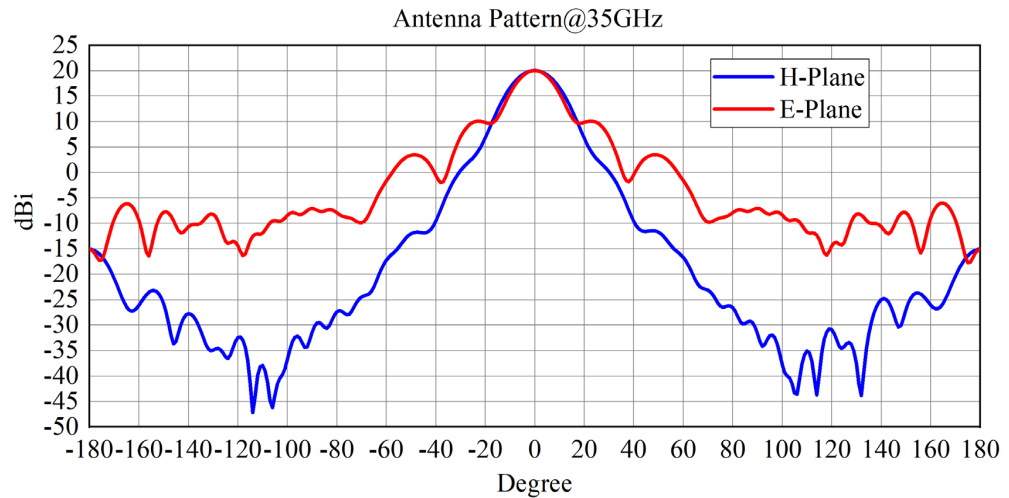
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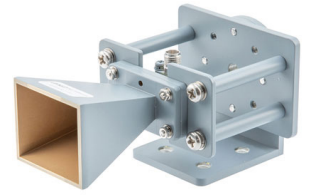
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Broadband Gain Horn Antenna, 18 GHz to 40 GHz 15 dBi Gain, 2.92mm Female Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability 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 Gain Horn Antenna, 18 GHz to 40 GHz 15 dBi Gain, 2.92mm Female Connector PEWAN1154](https://www.pasternack.com/waveguide-horn-antenna-40-ghz-15-dbi-2.92mm-female-pewan1154-p.aspx)

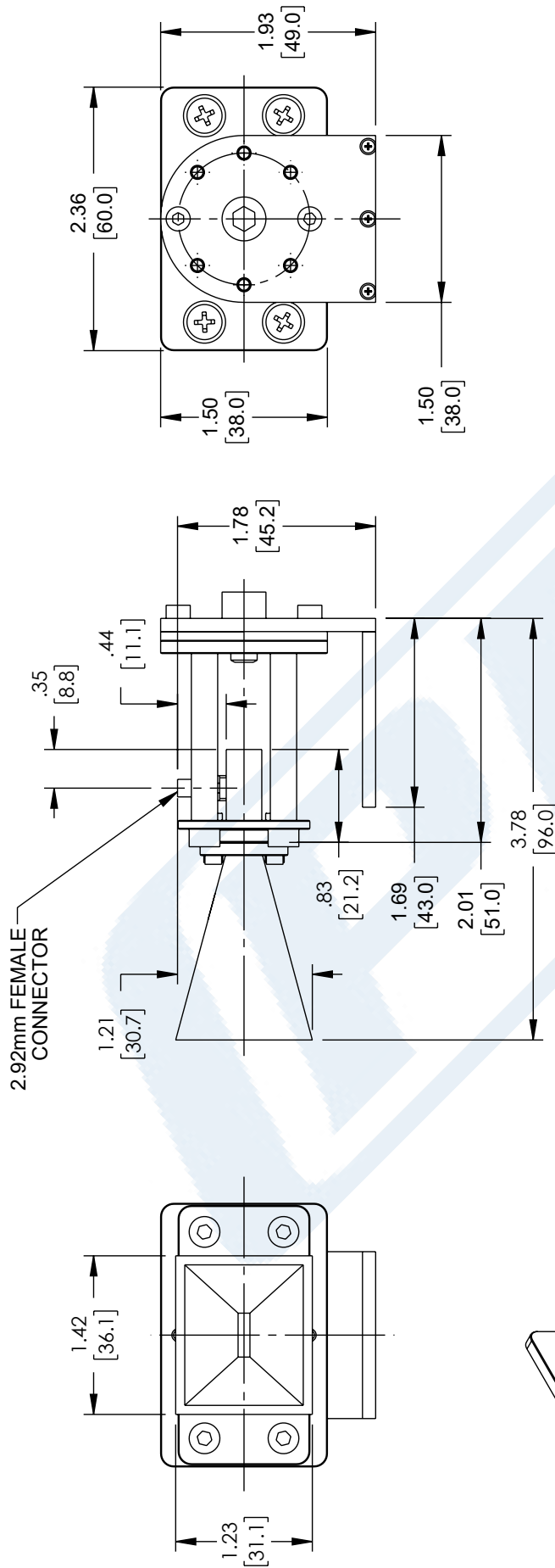
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PEWAN1154 CAD Drawing

Broadband Gain Horn Antenna, 18 GHz to 40 GHz

15 dBi Gain, 2.92mm Female Connector



2.92mm FEMALE CONNECTOR

LABEL
SEE NOTE 1

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

TOLERANCES:

X = ±.2 [5] FRACTIONS
.XX = ±.02 [.5] ±.132
.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] = +5% / -0

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

PE PASTERNAK
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Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

BROADBAND GAIN HORN ANTENNA, 18 GHZ TO 40 GHZ
15 DBI GAIN, 2.92MM FEMALE CONNECTOR



INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE

NONE

SHEET

1 OF 1

SIZE A 53919 DRAWN BY KGLEBOVA ITEM NO.

PEWAN1154

REV B