



WR-15 Waveguide Standard Gain Horn Antenna
 Operating from 50 GHz to 75 GHz with a Nominal 25 dBi
 Gain with UG-385/U-Mod Round Cover Flange

Gain Horns Technical Data Sheet

PEWAN1012

Features

- Rectangular Waveguide Interface
- 50 GHz to 75 GHz
- 25 dBi Nominal Gain
- UG-385/U-Mod Round Cover Flange

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems

Description

Waveguide standard gain horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance across a broad bandwidth. Pasternack's PEWAN1012 WR-15 waveguide standard gain horn antenna operating from 50 GHz to 75 GHz with a nominal 25 dBi gain is part of our full line of RF components available for same-day shipping. This Pasternack pyramidal horn antenna has a gold plated brass body and a precision tolerance UG-385/U-Mod round cover flange. The PEWAN1012 WR-15 waveguide standard gain horn antenna offers low gain variation across its operating frequency range.

Configuration

Design: WR-15 Standard Gain Horn
 Pattern: Directional
 Polarization: Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	50		75	GHz
Nominal Gain		25		dBi
Gain	24			dBi
Horizontal Half Power Beam Width		10		Degrees
Vertical Half Power Beam Width		9		Degrees
VSWR		1.15:1		

Mechanical Specifications

Size

Length: 4.09 in [103.89 mm]
 Width: 1.704 in [43.28 mm]
 Height: 1.419 in [36.04 mm]
 Weight: 0.098 lbs [44.45 g]

Waveguide Interface

Waveguide Size: WR-15
 Flange Type: Round Cover

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-15 Waveguide Standard Gain Horn Antenna Operating from 50 GHz to 75 GHz with a Nominal 25 dBi Gain with UG-385/U-Mod Round Cover Flange PEWAN1012](#)



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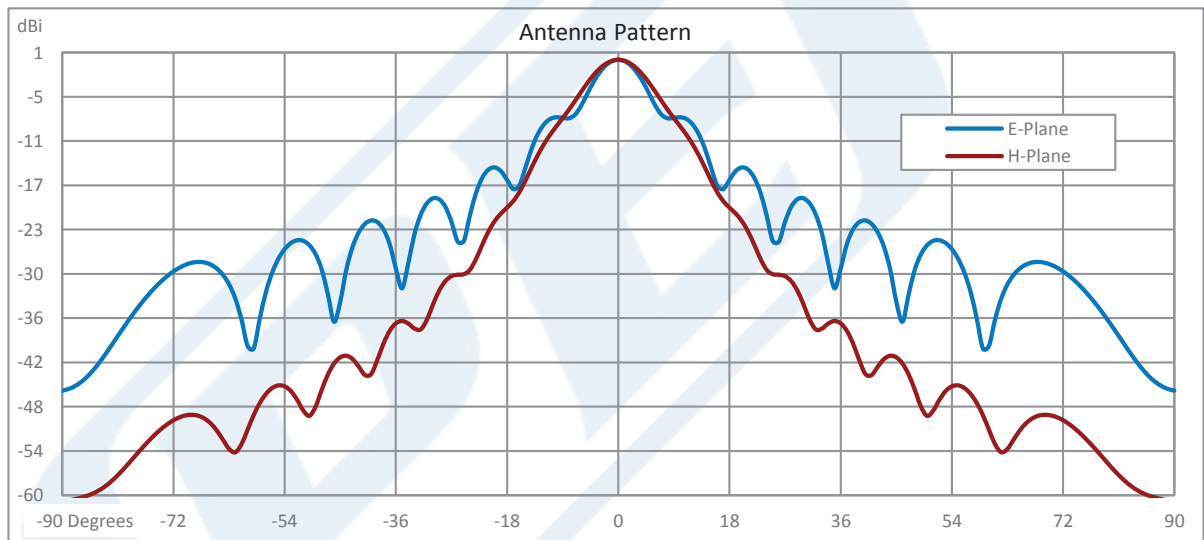
Flange Designation
Body Material and Plating

UG-385/U-Mod
Brass, Gold

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

Plotted and Other Data

Typical Performance Data



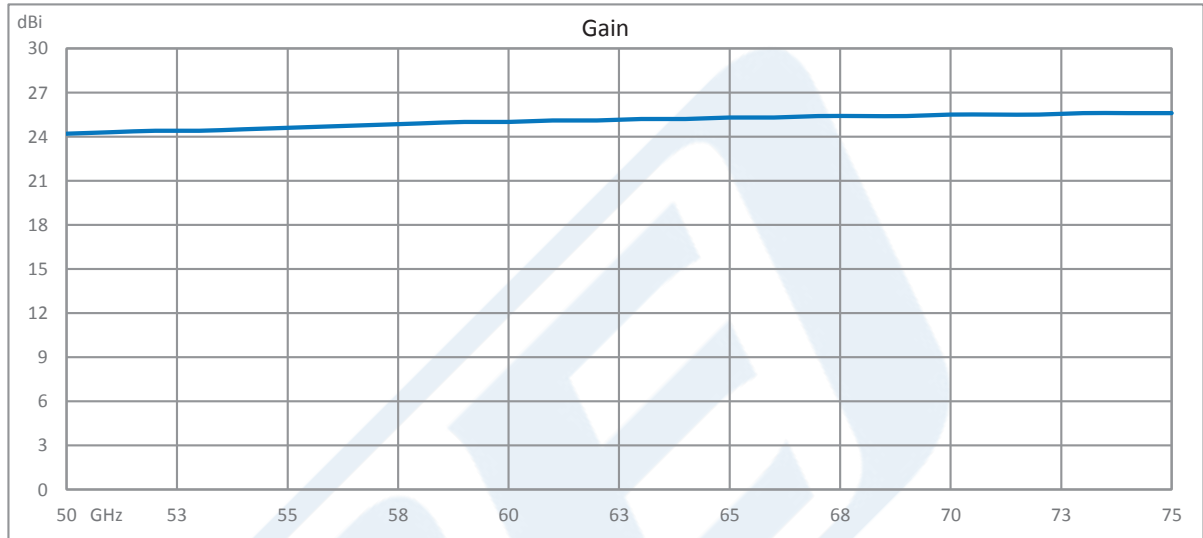
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WR-15 Waveguide Standard Gain Horn Antenna Operating from 50 GHz to 75 GHz with a Nominal 25 dBi Gain with UG-385/U-Mod Round Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and 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: [WR-15 Waveguide Standard Gain Horn Antenna Operating from 50 GHz to 75 GHz with a Nominal 25 dBi Gain with UG-385/U-Mod Round Cover Flange PEWAN1012](https://www.pasternack.com/wr-15-waveguide-gain-horn-antenna-25dbi-ug-385-mod-round-flange-pewan1012-p.aspx)

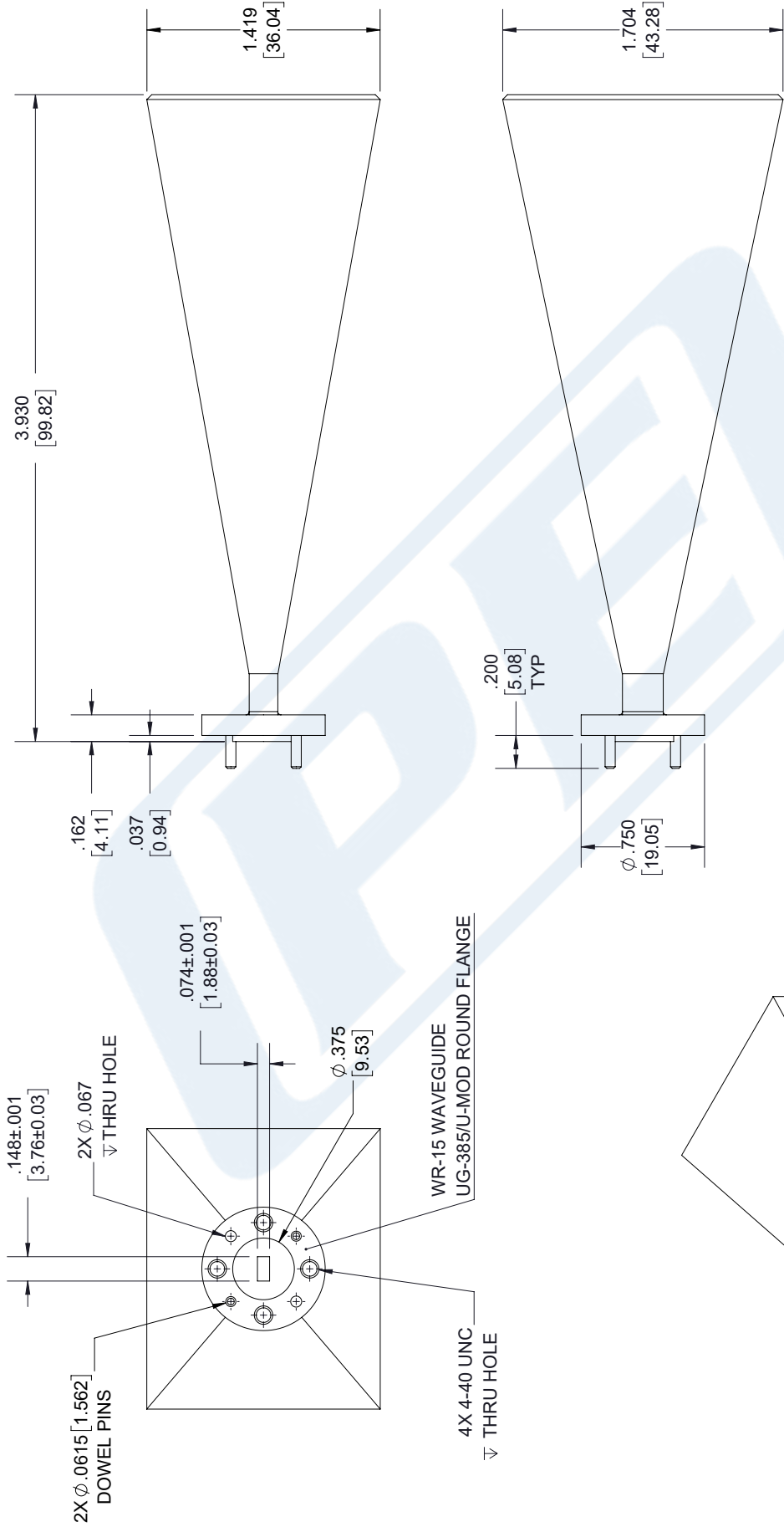
URL: <https://www.pasternack.com/wr-15-waveguide-gain-horn-antenna-25dbi-ug-385-mod-round-flange-pewan1012-p.aspx>

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.

PEWAN1012 CAD Drawing

WR-15 Waveguide Standard Gain Horn Antenna Operating from 50 GHz to 75 GHz with a Nominal 25 dBi Gain with UG-385/U-Mod Round Cover Flange

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/21/19	M.MILLER



<p>PASTERNAK an INFINITO brand</p> <p>Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com</p>	THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.	
	SHEET 1 OF 1	SCALE N/A
SIZE A	CAGE 53919	DRAWN BY K.DANG
PART NUMBER PEWAN1012		REV A

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 X±.2 [5.08] FRACTIONS
 .XX±.01 [.25] ±.132
 .XXX±.005 [.13] ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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