



WR-15 Waveguide Conical Gain Horn Antenna  
 Operating from 58 GHz to 68 GHz with a Nominal  
 25 dBi Gain with UG-385/U Round Cover Flange

Gain Horns Technical Data Sheet

PEWAN1040

**Features**

- Circular Waveguide Interface
- 58 GHz to 68 GHz
- 25 dBi Nominal Gain
- UG-385/U Round Cover Flange

**Applications**

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

**Description**

Waveguide conical 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 PEWAN1040 WR-15 waveguide conical gain horn antenna operating from 58 GHz to 68 GHz with a nominal 25 dBi gain is part of our full line of RF components available for same-day shipping. This Pasternack circular horn antenna has a gold plated brass body and a precision tolerance UG-385/U round cover flange. The PEWAN1040 WR-15 waveguide conical gain horn antenna offers low gain variation across its operating frequency range.

**Configuration**

Design	WR-15 Conical Gain Horn
Pattern	Directional
Polarization	Linear

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	58		68	GHz
Nominal Gain		25		dBi
Horizontal Half Power Beam Width		10		Degrees
Vertical Half Power Beam Width		9		Degrees
VSWR		1.15:1		

**Mechanical Specifications**

<b>Size</b>	
Length	5.66 in [143.76 mm]
Width	1.343 in [34.11 mm]
Height	1.343 in [34.11 mm]
Weight	0.085 lbs [38.56 g]

**Waveguide Interface**

Waveguide Size	WR-15
Flange Type	Round Cover
Flange Designation	UG-385/U

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 Conical Gain Horn Antenna Operating from 58 GHz to 68 GHz with a Nominal 25 dBi Gain with UG-385/U Round Cover Flange PEWAN1040](#)



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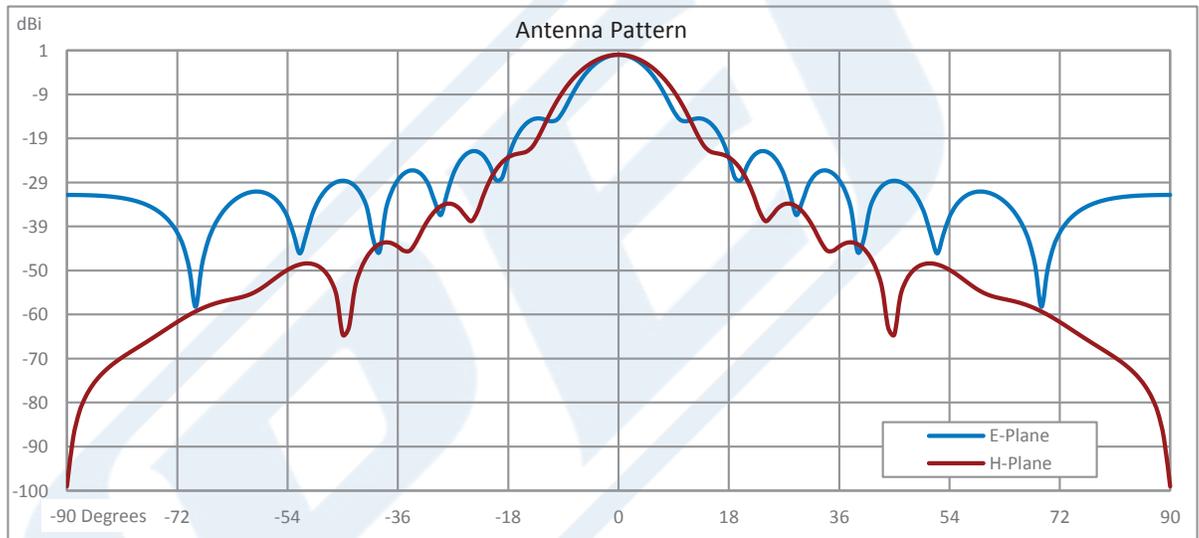
Body Material and Plating

Brass, Gold

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

**Plotted and Other Data**

**Typical Performance Data**



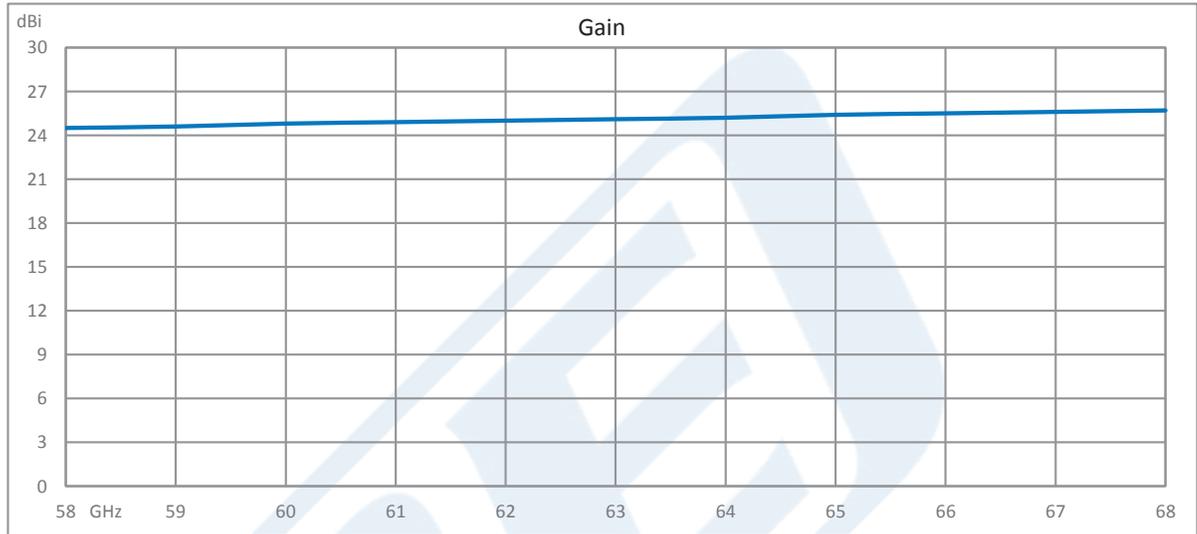
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WR-15 Waveguide Conical Gain Horn Antenna Operating from 58 GHz to 68 GHz with a Nominal 25 dBi Gain with UG-385/U Round Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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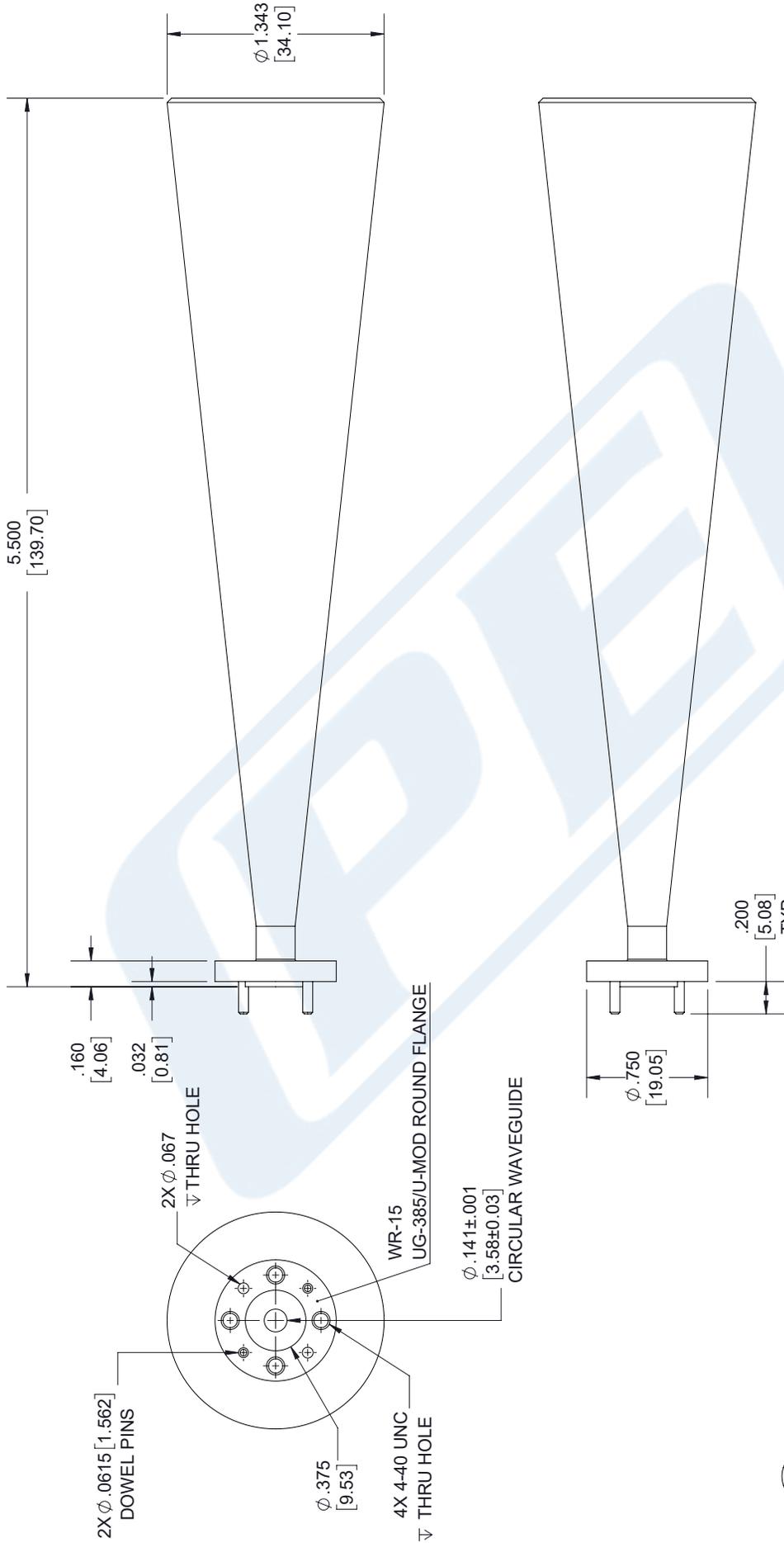
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

# PEWAN1040 CAD Drawing

WR-15 Waveguide Conical Gain Horn Antenna Operating from 58 GHz to 68 GHz with a Nominal 25 dBi Gain with UG-385/U Round Cover Flange

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



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td>X±.2</td> <td>[5.08]</td> <td>FRACTIONS</td> </tr> <tr> <td>.XX±.01</td> <td>[.25]</td> <td>±.132</td> </tr> <tr> <td>.XXX±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> <p>THIRD-ANGLE PROJECTION</p>	X±.2	[5.08]	FRACTIONS	.XX±.01	[.25]	±.132	.XXX±.005	[.13]	ANGLES ± 1°	<p><b>PE PASTERNAK</b> 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>	<p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p>
	X±.2	[5.08]	FRACTIONS								
.XX±.01	[.25]	±.132									
.XXX±.005	[.13]	ANGLES ± 1°									
<p>SIZE A</p> <p>CAGE CODE 53919</p> <p>DRAWN BY K.DANG</p> <p>PART NUMBER PEWAN1040</p>	<p>SHEET 1 OF 1</p> <p>SCALE N/A</p>										

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