



WR-15 Waveguide Lens Horn Antenna Operating from 55 GHz to 65 GHz with a Nominal 32 dBi Gain with UG-385/U Round Cover Flange

## Gain Horns Technical Data Sheet

PEWAN1075

### Features

- Circular Waveguide Interface
- 60 GHz center frequency
- 32 dBi Nominal Gain
- UG-385/U Round Cover Flange

### Applications

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

### Description

Waveguide horn lens 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 PEWAN1075 WR-15 waveguide horn lens antenna operating from 60 GHz center frequency with a nominal 32 dBi gain is part of our full line of RF components available for same-day shipping. This Pasternack circular horn antenna has a precision tolerance UG-385/U round cover flange. The PEWAN1075 WR-15 waveguide horn lens antenna offers low gain variation across its operating frequency range.

### Configuration

Design	WR-15 Lens Horn
Pattern	Directional
Polarization	Linear

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	55		65	GHz
Nominal Gain		32		dBi
Horizontal Half Power Beam Width		4		Degrees
Vertical Half Power Beam Width		4		Degrees
VSWR		1.5:1		

### Mechanical Specifications

<b>Size</b>	
Length	5.14 in [130.56 mm]
Width	3 in [76.2 mm]
Height	3 in [76.2 mm]
Weight	0.714 lbs [323.86 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 Lens Horn Antenna Operating from 55 GHz to 65 GHz with a Nominal 32 dBi Gain with UG-385/U Round Cover Flange PEWAN1075](#)



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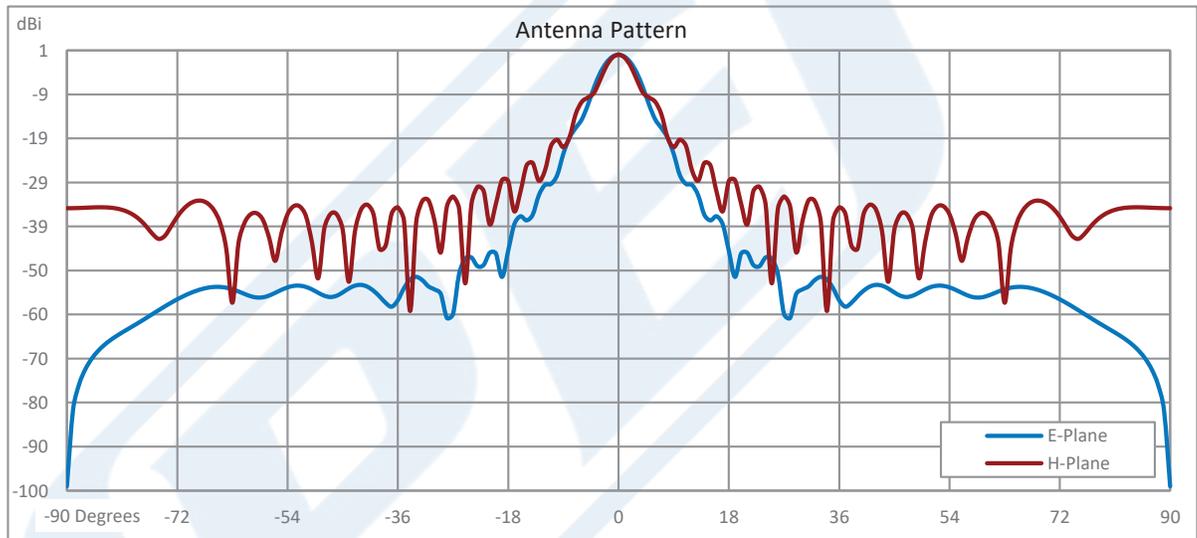
Body Material and Plating

Aluminum

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

### Plotted and Other Data

#### Typical Performance Data



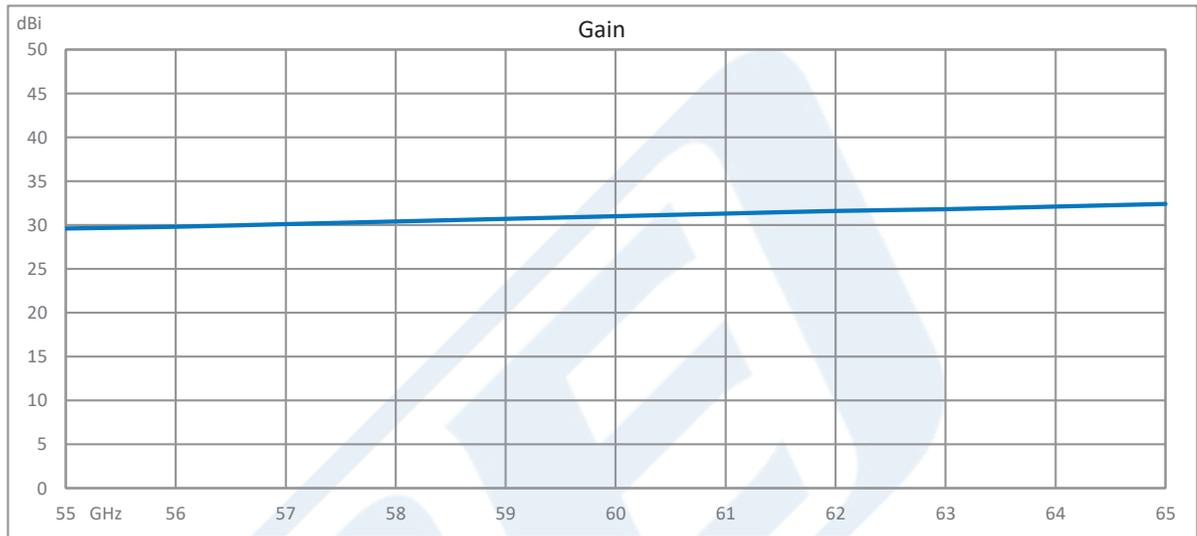
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WR-15 Waveguide Lens Horn Antenna Operating from 55 GHz to 65 GHz with a Nominal 32 dBi Gain with UG-385/U Round Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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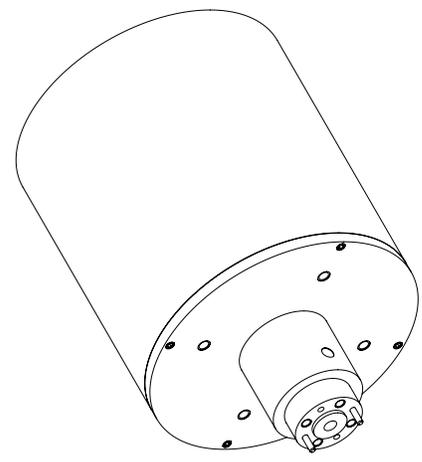
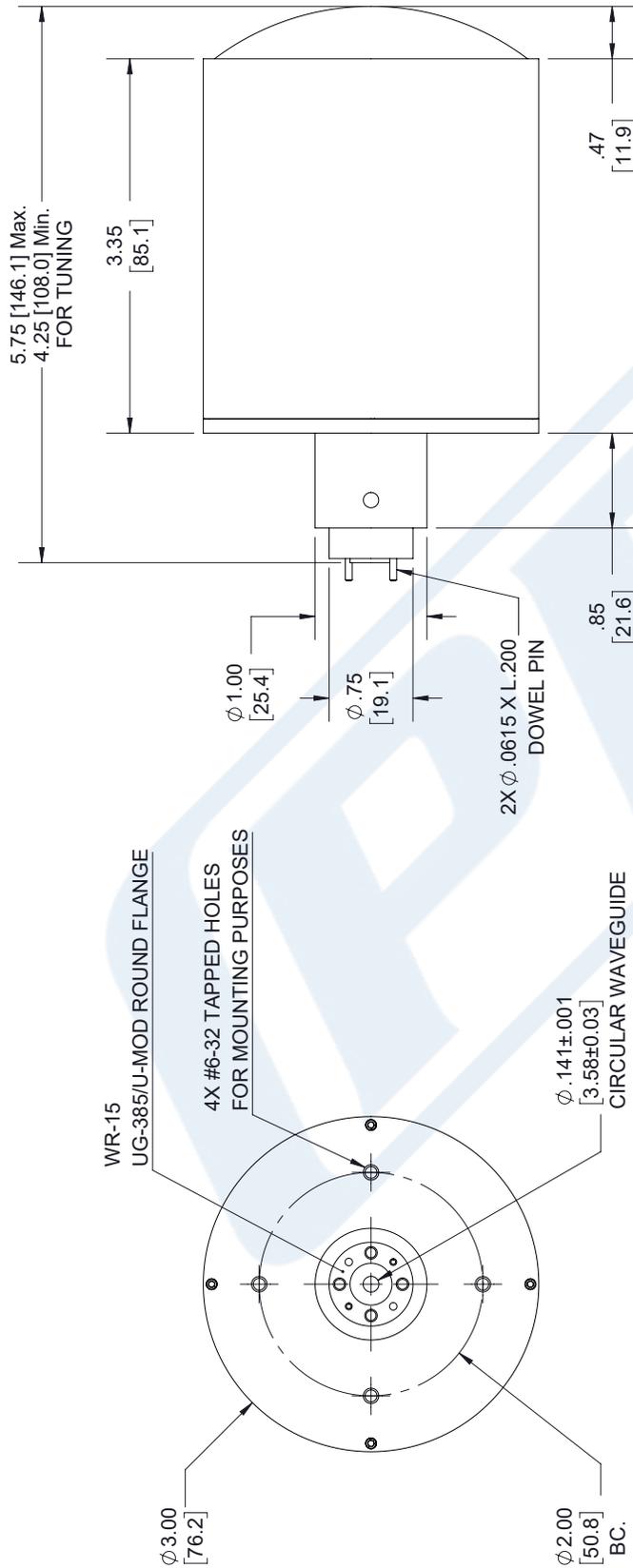
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# PEWAN1075 CAD Drawing

WR-15 Waveguide Lens Horn Antenna Operating from 55 GHz to 65 GHz  
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/19/19	M.MILLER



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TOLERANCES:		SHEET 1 OF 1	
X±.2 [5.08]	FRACTIONS ±.132	SCALE N/A	
.XX±.01 [25]	ANGLES ± 1°	REV A	
.XXX±.005 [1.13]	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	PART NUMBER PEWAN1075	
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