



WR-10 Waveguide Standard Gain Horn Antenna
 Operating from 75 GHz to 110 GHz with a Nominal 25 dBi
 Gain with UG-387/U-Mod Round Cover Flange

Gain Horns Technical Data Sheet

PEWAN1020

Features

- Rectangular Waveguide Interface
- 75 GHz to 110 GHz
- 25 dBi Nominal Gain
- UG-387/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 PEWAN1020 WR-10 waveguide standard gain horn antenna operating from 75 GHz to 110 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-387/U-Mod round cover flange. The PEWAN1020 WR-10 waveguide standard gain horn antenna offers low gain variation across its operating frequency range.

Configuration

Design: WR-10 Standard Gain Horn
 Pattern: Directional
 Polarization: Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	75		110	GHz
Nominal Gain		25		dBi
Gain	23.5			dBi
Horizontal Half Power Beam Width		10		Degrees
Vertical Half Power Beam Width		9		Degrees
VSWR		1.15:1		

Mechanical Specifications

Size

Length: 2.06 in [52.32 mm]
 Width: 1.176 in [29.87 mm]
 Height: 0.978 in [24.84 mm]
 Weight: 0.051 lbs [23.13 g]

Waveguide Interface

Waveguide Size: WR-10
 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-10 Waveguide Standard Gain Horn Antenna Operating from 75 GHz to 110 GHz with a Nominal 25 dBi Gain with UG-387/U-Mod Round Cover Flange PEWAN1020](#)



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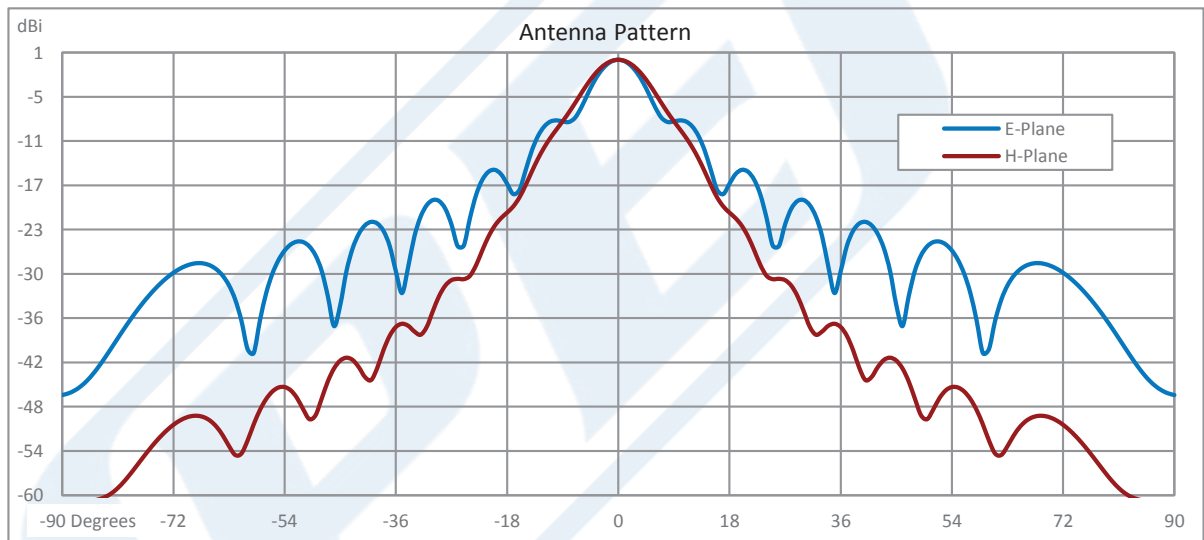
Flange Designation
Body Material and Plating

UG-387/U-Mod
Brass, Gold

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

Plotted and Other Data

Typical Performance Data



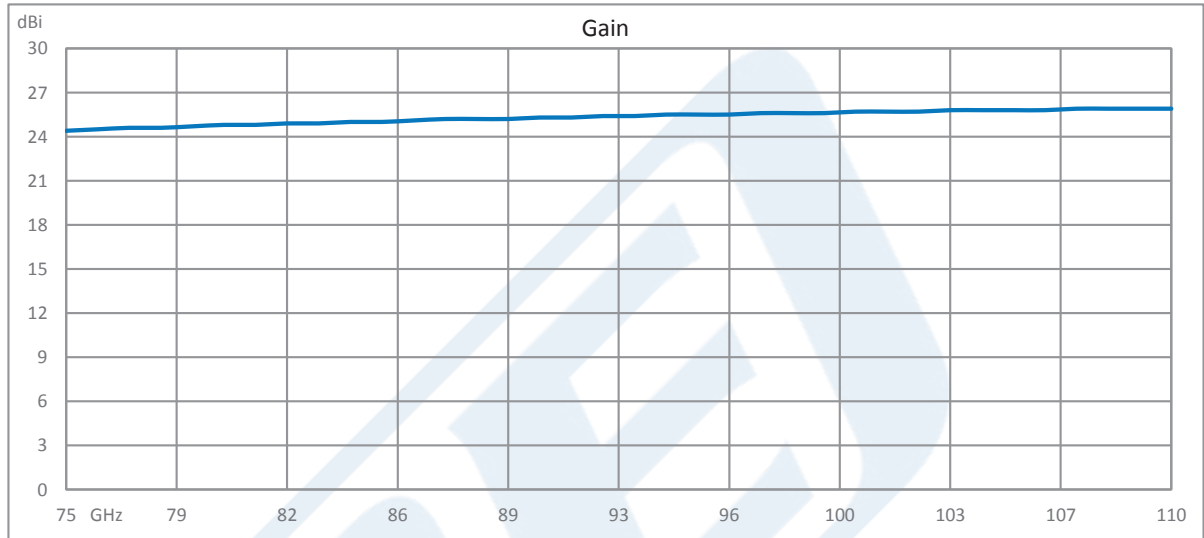
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WR-10 Waveguide Standard Gain Horn Antenna Operating from 75 GHz to 110 GHz with a Nominal 25 dBi Gain with UG-387/U-Mod Round Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and 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-10 Waveguide Standard Gain Horn Antenna Operating from 75 GHz to 110 GHz with a Nominal 25 dBi Gain with UG-387/U-Mod Round Cover Flange PEWAN1020](https://www.pasternack.com/wr-10-waveguide-gain-horn-antenna-25dbi-ug-387-mod-round-flange-pewan1020-p.aspx)

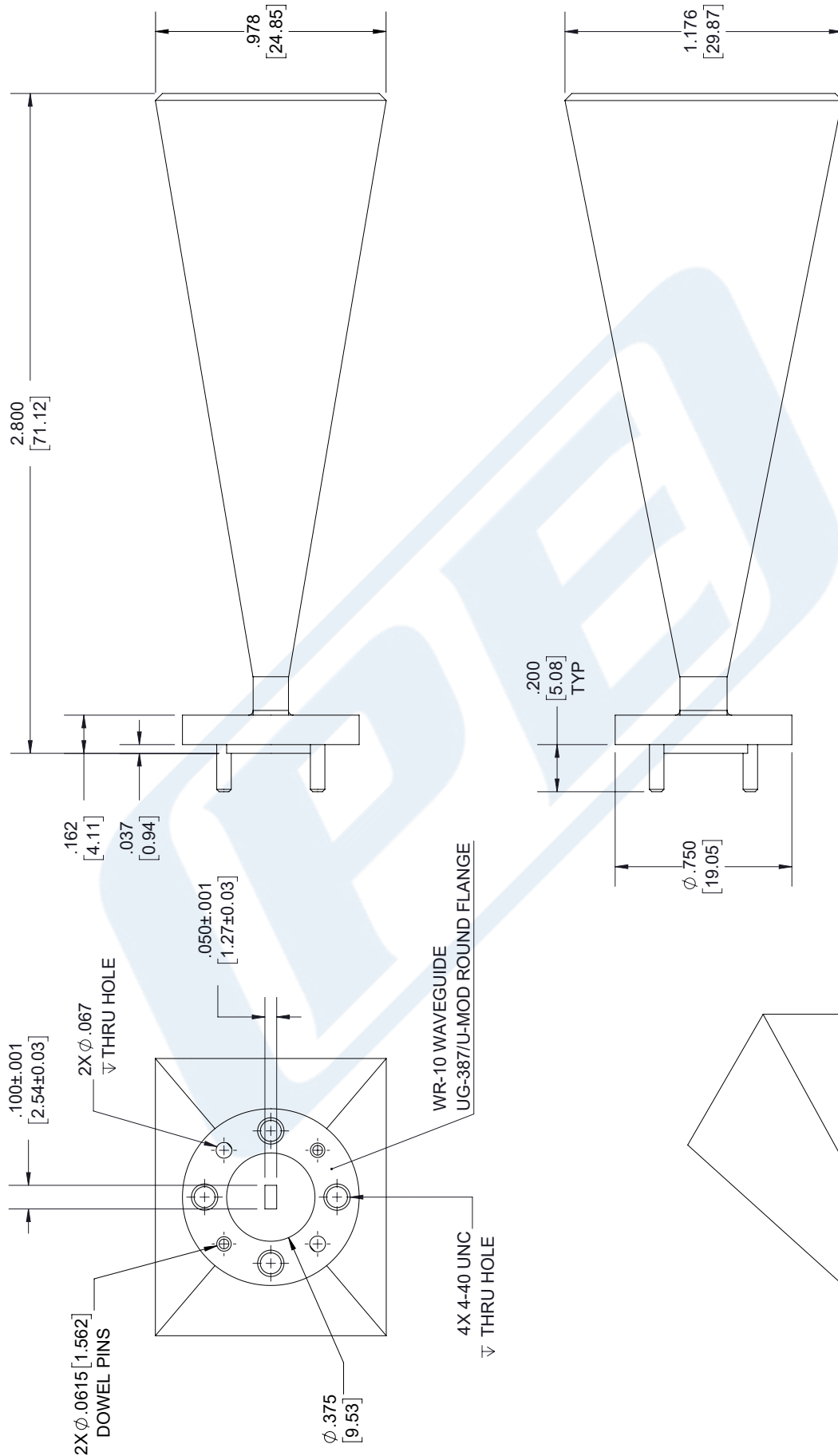
URL: <https://www.pasternack.com/wr-10-waveguide-gain-horn-antenna-25dbi-ug-387-mod-round-flange-pewan1020-p.aspx>

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PEWAN1020 CAD Drawing

WR-10 Waveguide Standard Gain Horn Antenna Operating from 75 GHz to 110 GHz with a Nominal 25 dBi Gain with UG-387/U-Mod Round Cover Flange

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



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

TOLERANCES:

X±.2	[5.08]	FRACTIONS	±.132
.XX±.01	[.25]	ANGLES ± 1°	
.XXX±.005	[.13]	ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

THIRD-ANGLE PROJECTION

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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

SHEET 1 OF 1
SCALE N/A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	PEWAN1020	A

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