PASTERNACK
an INFINITE brand

WR-5 Waveguide Standard Gain Horn Antenna Operating from 140 GHz to 220 GHz with a Nominal 15 dBi Gain with UG-387/U-Mod Round Cover Flange



Gain Horns Technical Data Sheet PEWAN1030

Features

- Rectangular Waveguide Interface
- 140 GHz to 220 GHz
- 15 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 PEWAN1030 WR-5 waveguide standard gain horn antenna operating from 140 GHz to 220 GHz with a nominal 15 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 PEWAN1030 WR-5 waveguide standard gain horn antenna offers low gain variation across its operating frequency range.

Configuration

Design	WR-5 Standard Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	140		220	GHz
Nominal Gain		15		dBi
Horizontal Half Power Beam Width		28		Degrees
Vertical Half Power Beam Width		37		Degrees
VSWR		1.15:1		

Mechanical Specifications

Size

Length	1.16 in [29.46 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.033 lbs [14.97 g]

Waveguide Interface

Waveguide Size	WR-5
Flange Type	Round Cover
Flange Designation	UG-387/U-Mod

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-5 Waveguide Standard Gain Horn Antenna Operating from 140 GHz to 220 GHz with a Nominal 15 dBi Gain with UG-387/U-Mod Round Cover Flange PEWAN1030

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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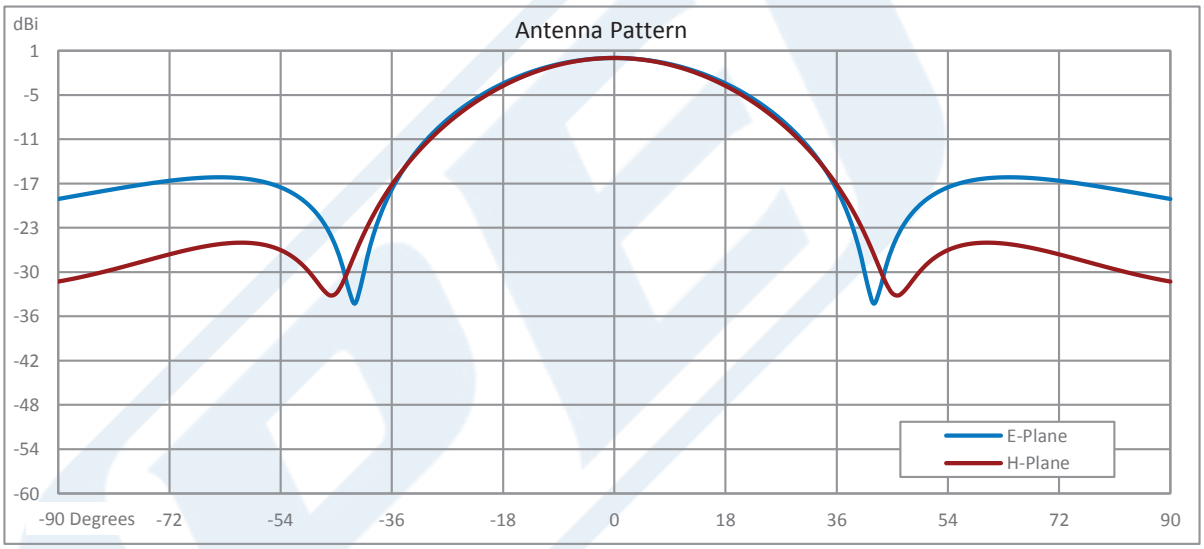
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Body Material and Plating	Brass, Gold

Compliance Certifications (see product page for current document)

Plotted and Other Data

Typical Performance Data



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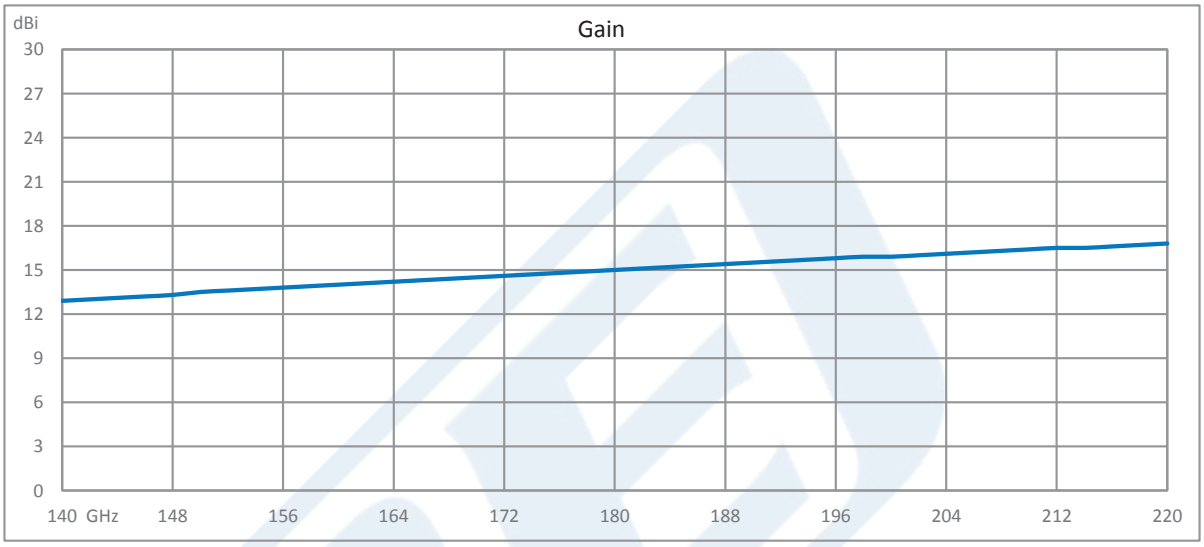
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WR-5 Waveguide Standard Gain Horn Antenna Operating from 140 GHz to 220 GHz with a Nominal 15 dBi Gain with UG-387/U-Mod Round Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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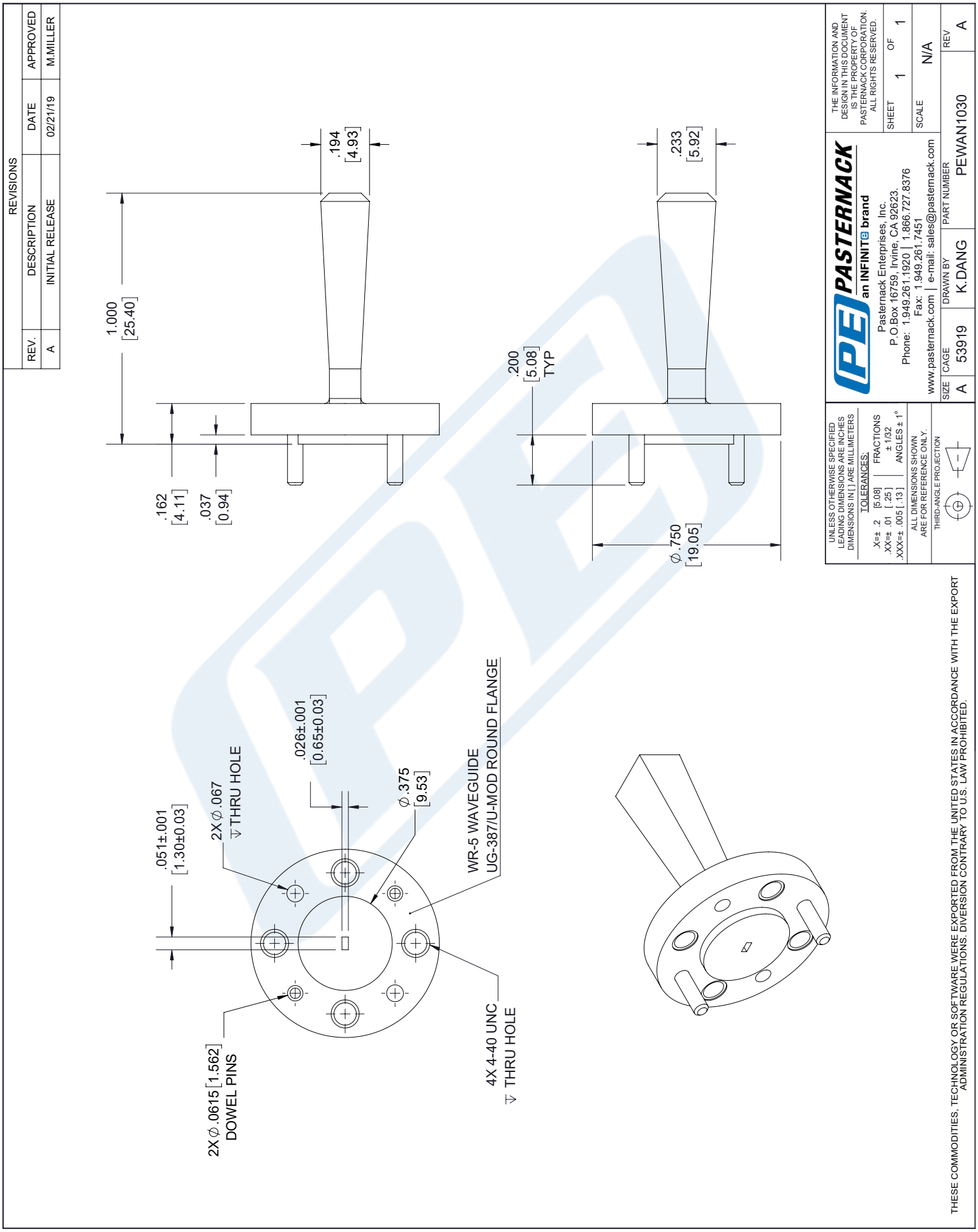
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PEWAN1030 CAD Drawing

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