PASTERNACK
an INFINITE brand

WR-10 Waveguide Conical Gain Horn Antenna Operating from 77 GHz to 87 GHz with a Nominal 10 dBi Gain with UG-387/U Round Cover Flange



Gain Horns Technical Data Sheet

PEWAN1053

Features

- Circular Waveguide Interface
- 77 GHz to 87 GHz
- 10 dBi Nominal Gain
- UG-387/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 PEWAN1053 WR-10 waveguide conical gain horn antenna operating from 77 GHz to 87 GHz with a nominal 10 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-387/U round cover flange. The PEWAN1053 WR-10 waveguide conical gain horn antenna offers low gain variation across its operating frequency range.

Configuration

Design	WR-10 Conical Gain Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	77		87	GHz
Nominal Gain		10		dBi
Horizontal Half Power Beam Width		58		Degrees
Vertical Half Power Beam Width		53		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	0.048 lbs [21.77 g]

Waveguide Interface

Waveguide Size	WR-10
Flange Type	Round Cover
Flange Designation	UG-387/U

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 Conical Gain Horn Antenna Operating from 77 GHz to 87 GHz with a Nominal 10 dBi Gain with UG-387/U Round Cover Flange PEWAN1053

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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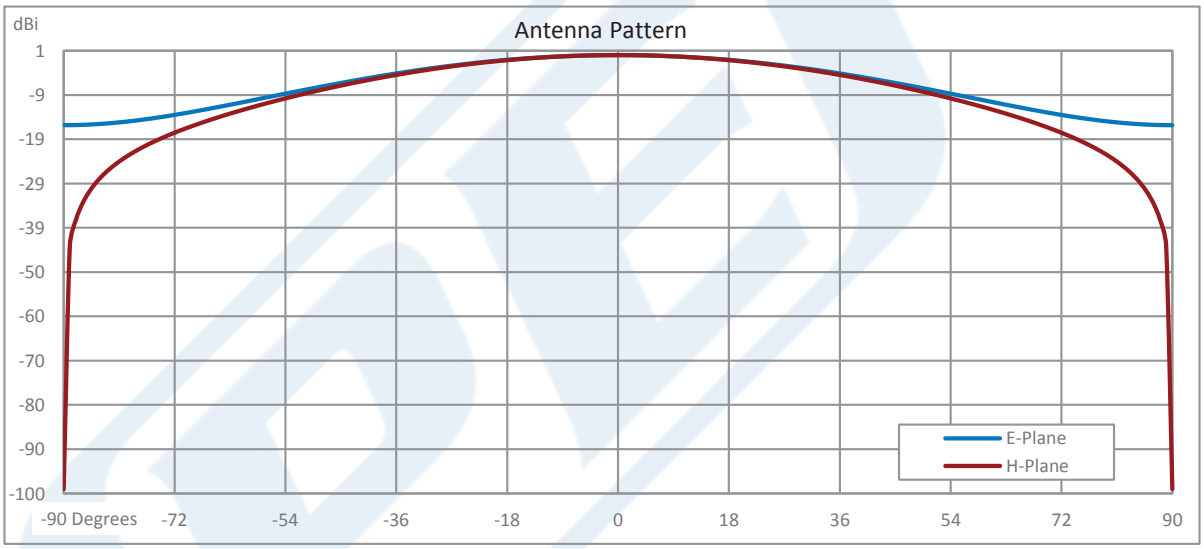
Gain Horns Technical Data Sheet PEWAN1053

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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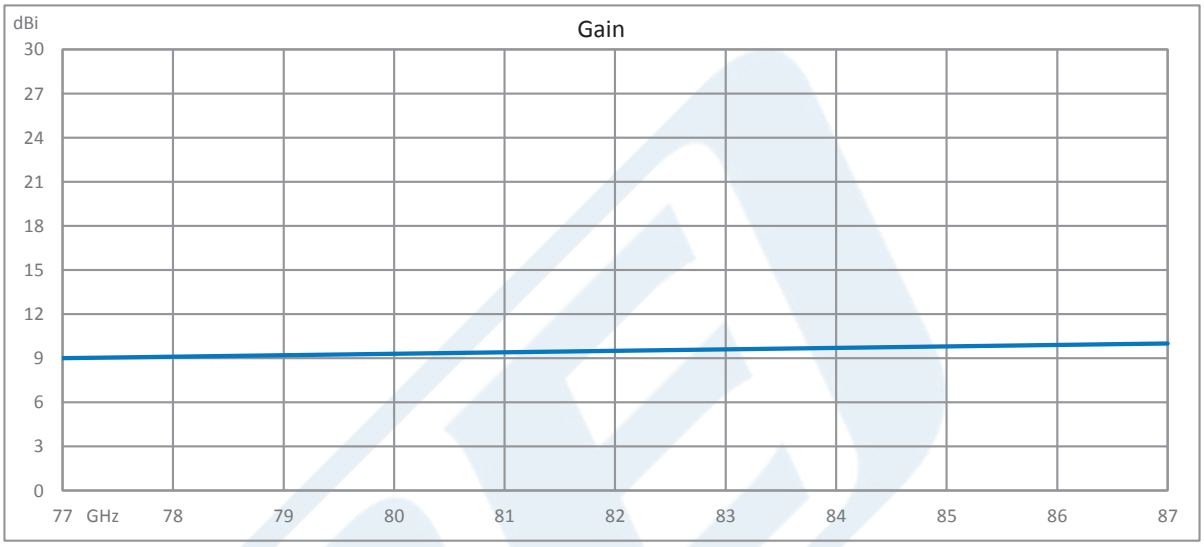
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WR-10 Waveguide Conical Gain Horn Antenna Operating from 77 GHz to 87 GHz with a Nominal 10 dBi Gain with UG-387/U Round Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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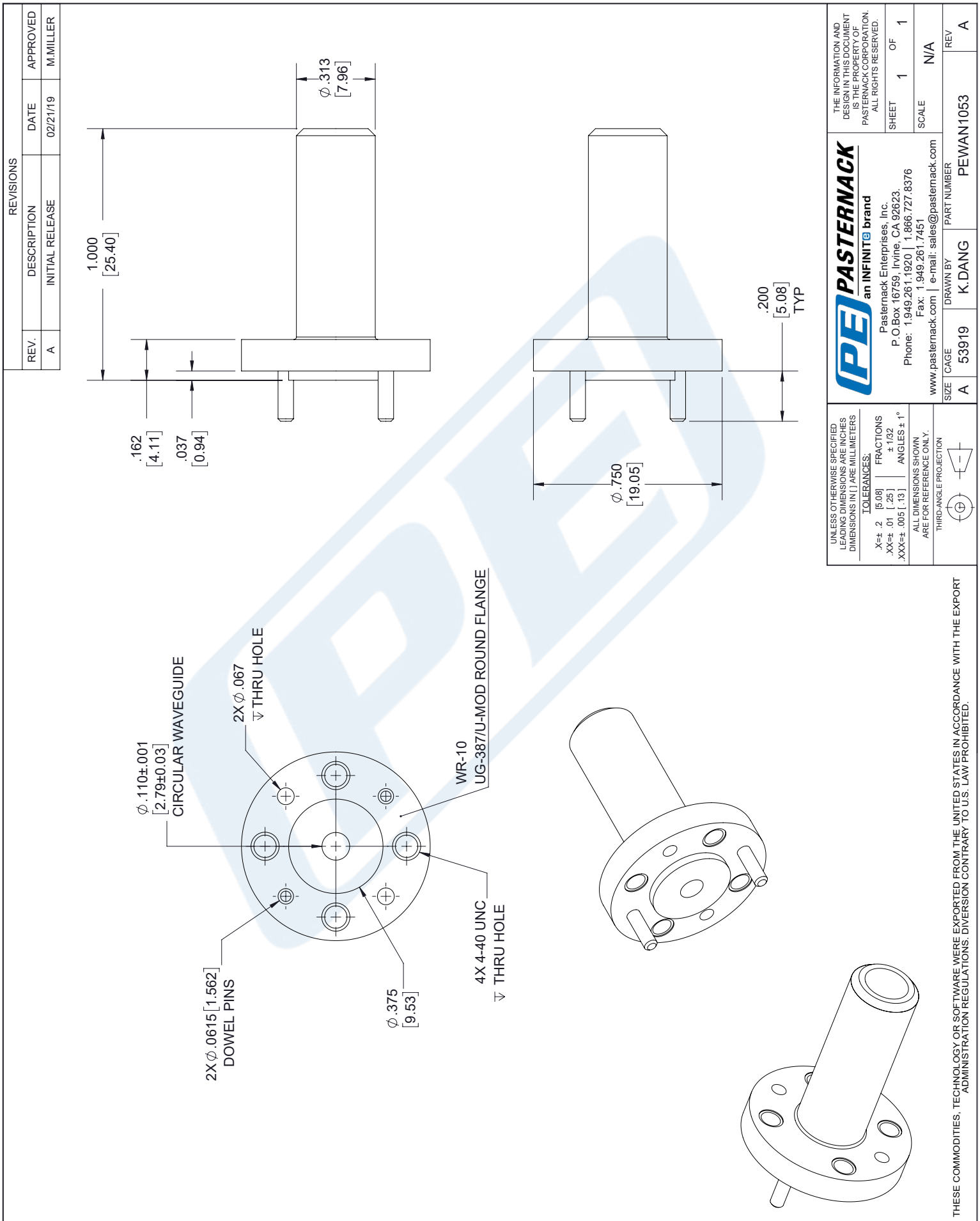
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PEWAN1053 CAD Drawing

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