



WR-19 Waveguide Conical Gain Horn Antenna
 Operating from 50 GHz to 58 GHz with a Nominal 20 dBi
 Gain with UG-383/U-Mod Round Cover Flange

Gain Horns Technical Data Sheet

PEWAN1035

Features

- Circular Waveguide Interface
- 50 GHz to 58 GHz
- 20 dBi Nominal Gain
- UG-383/U-Mod 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 PEWAN1035 WR-19 waveguide conical gain horn antenna operating from 50 GHz to 58 GHz with a nominal 20 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-383/U-Mod round cover flange. The PEWAN1035 WR-19 waveguide conical gain horn antenna offers low gain variation across its operating frequency range.

Configuration

Design: WR-19 Conical Gain Horn
 Pattern: Directional
 Polarization: Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	50		58	GHz
Nominal Gain		20		dBi
Horizontal Half Power Beam Width		20		Degrees
Vertical Half Power Beam Width		16		Degrees
VSWR		1.15:1		

Mechanical Specifications

Size
 Length: 2.66 in [67.56 mm]
 Width: 1.125 in [28.58 mm]
 Height: 1.125 in [28.58 mm]
 Weight: 0.066 lbs [29.94 g]

Waveguide Interface

Waveguide Size: WR-19
 Flange Type: Round Cover
 Flange Designation: UG-383/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-19 Waveguide Conical Gain Horn Antenna Operating from 50 GHz to 58 GHz with a Nominal 20 dBi Gain with UG-383/U-Mod Round Cover Flange PEWAN1035](#)



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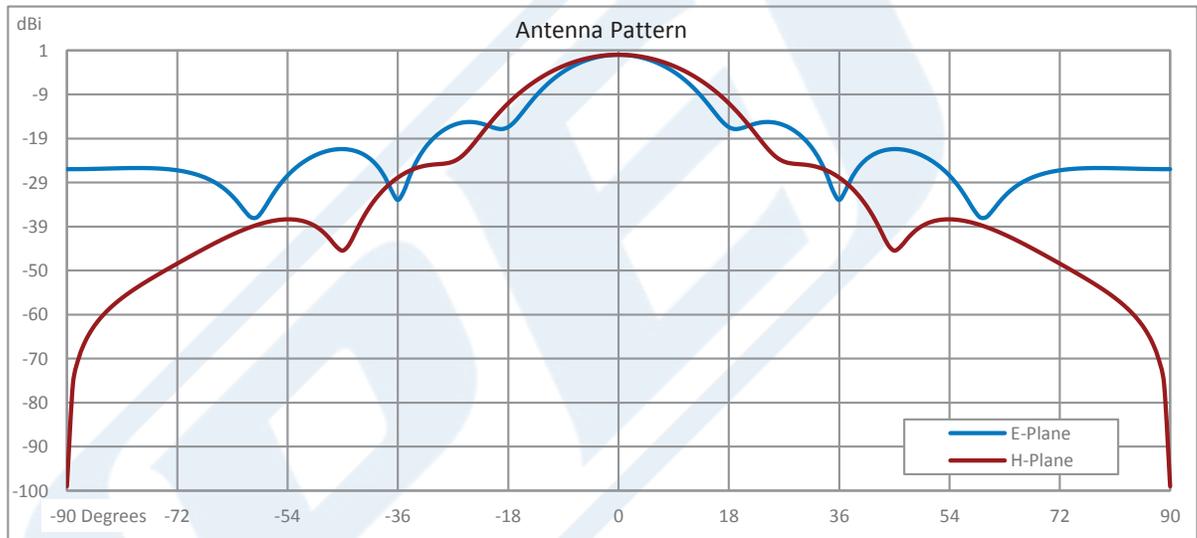
Body Material and Plating

Brass, Gold

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

Plotted and Other Data

Typical Performance Data



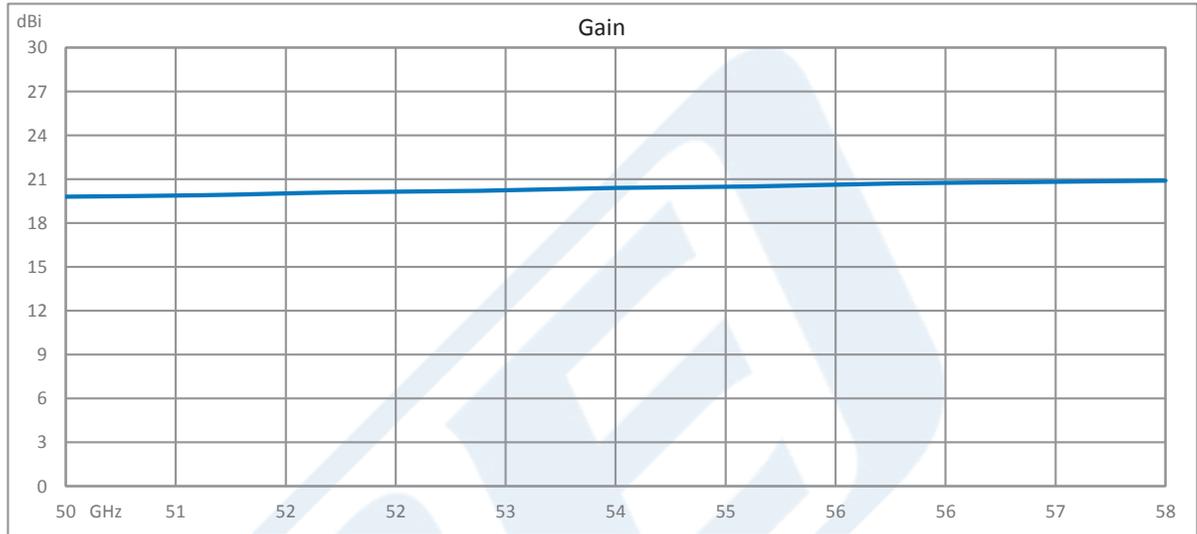
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WR-19 Waveguide Conical Gain Horn Antenna Operating from 50 GHz to 58 GHz with a Nominal 20 dBi Gain with UG-383/U-Mod Round Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and 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-19 Waveguide Conical Gain Horn Antenna Operating from 50 GHz to 58 GHz with a Nominal 20 dBi Gain with UG-383/U-Mod Round Cover Flange PEWAN1035](https://www.pasternack.com/wr-19-waveguide-gain-horn-antenna-20dbi-ug-383-mod-round-flange-pewan1035-p.aspx)

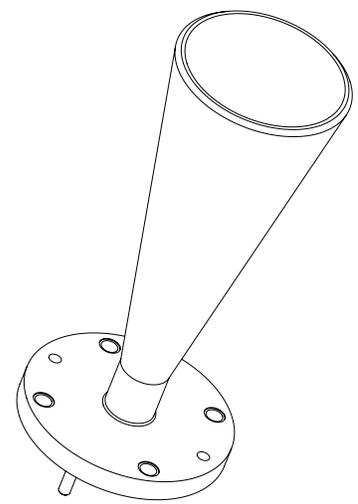
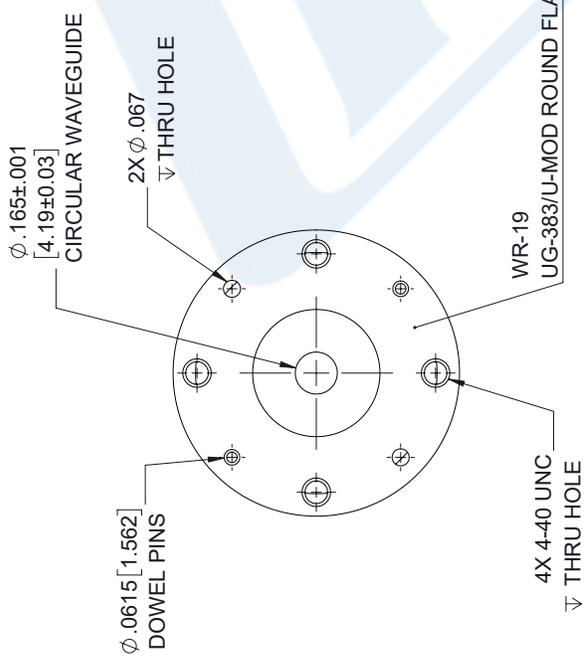
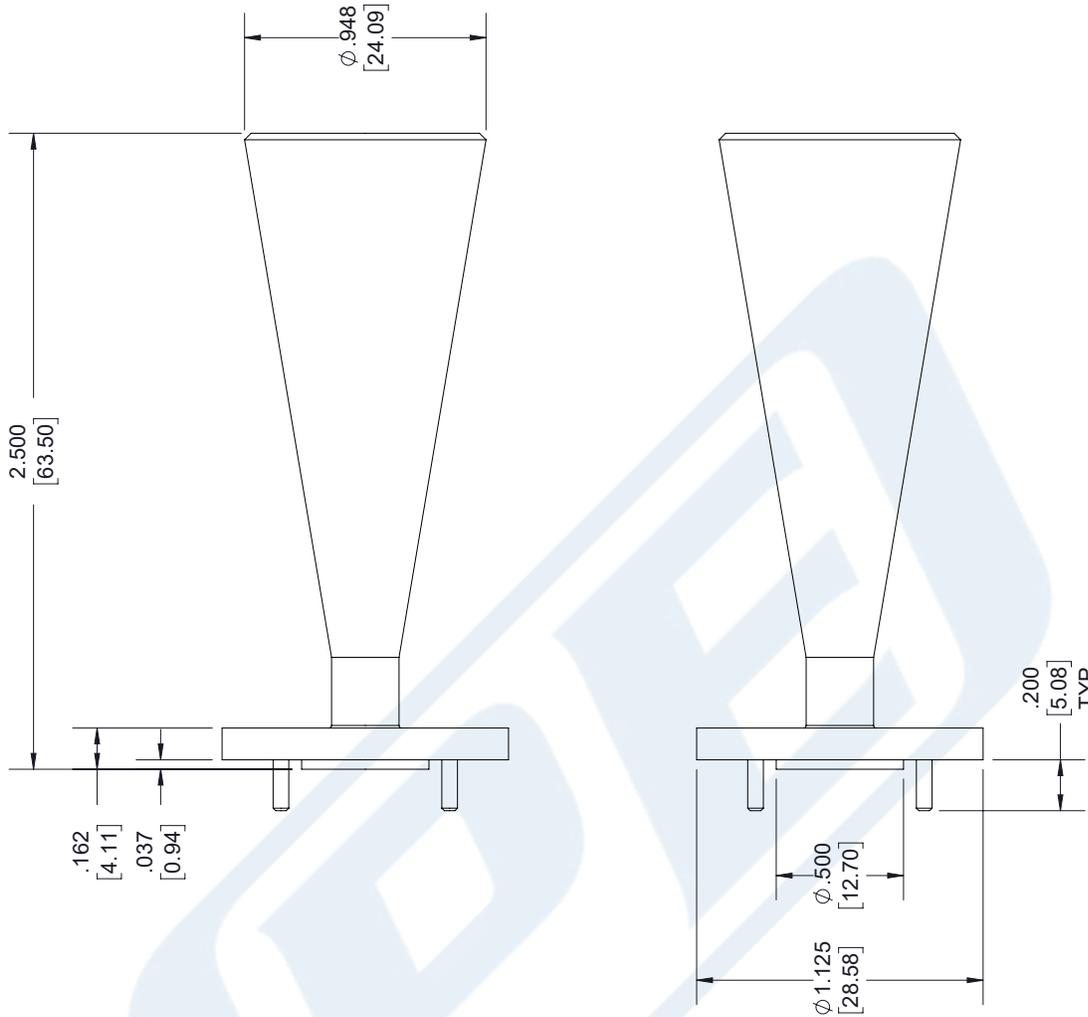
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PEWAN1035 CAD Drawing

WR-19 Waveguide Conical Gain Horn Antenna Operating from 50 GHz to 58 GHz
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/21/19	M.MILLER



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