



WR-10 Waveguide Wide Angle Scalar Feed Horn Antenna
 Operating from 89 GHz to 99 GHz with a Nominal
 10 dBi Gain with UG-385/U-Mod Round Cover

Gain Horns Technical Data Sheet

PEWAN1074

Features

- Circular Waveguide Interface
- 94 GHz center frequency
- 10 dBi Nominal Gain
- UG-385/U-Mod Round Cover Flange

Applications

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

Description

Waveguide wide angle scalar feed 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 PEWAN1074 WR-10 waveguide wide angle scalar feed horn antenna operating from 94 GHz center frequency 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-385/U-Mod round cover flange. The PEWAN1074 WR-10 waveguide wide angle scalar feed horn antenna offers low gain variation across its operating frequency range.

Configuration

Design	WR-10 Wide Angle Scalar Feed Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	89		99	GHz
Nominal Gain		10		dBi
Horizontal Half Power Beam Width		56		Degrees
Vertical Half Power Beam Width		55		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	0.047 lbs [21.32 g]

Waveguide Interface

Waveguide Size	WR-10
Flange Type	Round Cover
Flange Designation	UG-385/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-10 Waveguide Wide Angle Scalar Feed Horn Antenna Operating from 89 GHz to 99 GHz with a Nominal 10 dBi Gain with UG-385/U-Mod Round Cover PEWAN1074](#)



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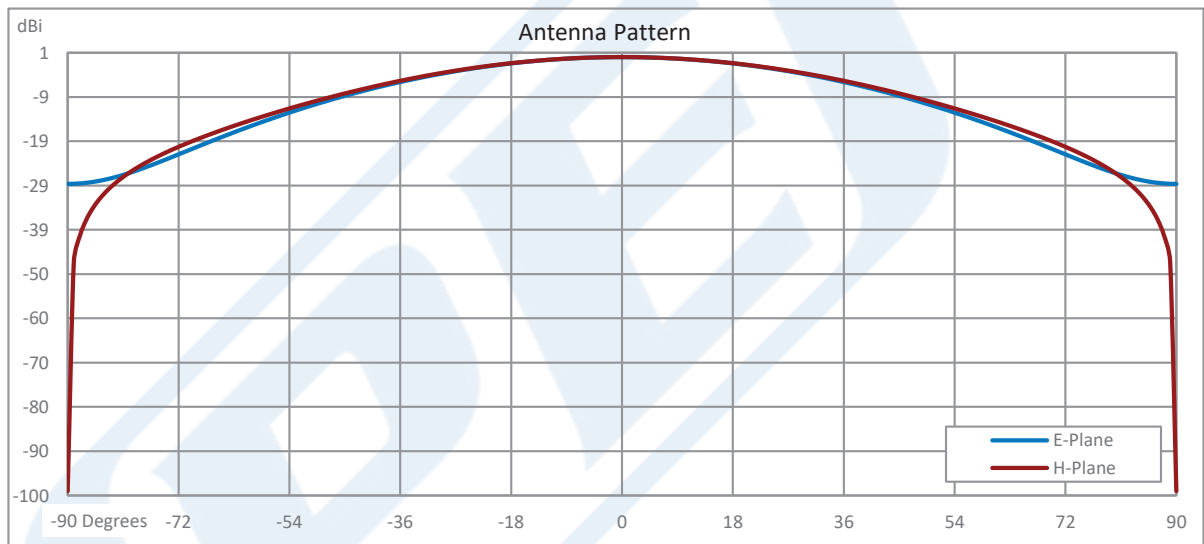
Body Material and Plating

Brass, Gold

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

Plotted and Other Data

Typical Performance Data



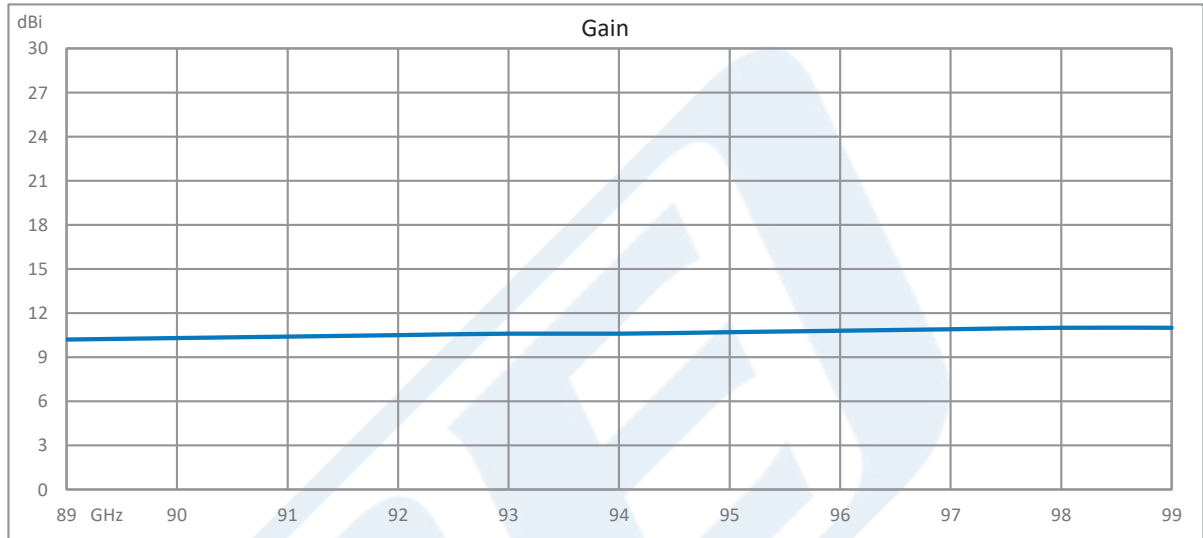
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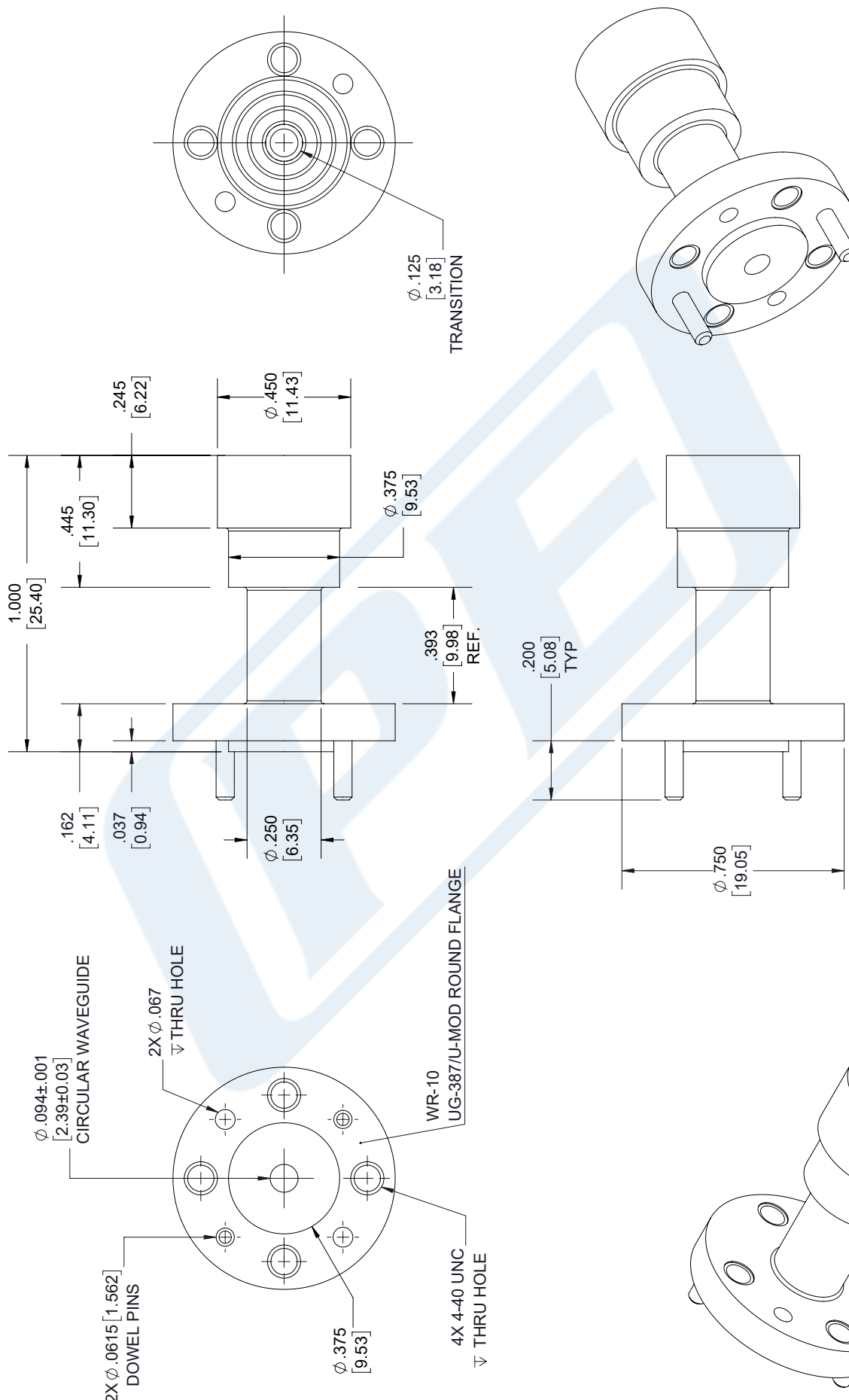
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PEWAN1074 CAD Drawing

WR-10 Waveguide Wide Angle Scalar Feed Horn Antenna Operating from 89 GHz to 99 GHz with a Nominal 10 dBi Gain with UG-385/U-Mod Round Cover

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/22/19	M.MILLER



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<p>SHEET 1 OF 1</p> <p>SCALE N/A</p>	<p>REV A</p>										
<p>SIZE A</p> <p>CAGE 53919</p> <p>DRAWN BY K.DANG</p> <p>PART NUMBER PEWAN1074</p>	<p>www.pasternack.com</p>	<p>REV A</p>									

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