

WR-975 Waveguide Standard Gain Horn Antenna
Operating From 760 MHz to 1150 MHz, 10 dBi
Gain with N Type Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN975-10NF

Features

- 760 MHz to 1150 MHz
- Linearly Polarized
- 10 dBi Nominal Gain
- WR-975 with N Female coaxial connector
- Powder Coated Aluminum

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Testing
- Radome Testing
- EMC measurement
- Satellite Antenna Testing

Description

The PEWAN975-10NF standard horn antenna (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This WR-975 waveguide horn features an N Female coaxial connector and operates from 760 to 1150 MHz.

Our PEWAN975-10NF standard gain horn antenna has a nominal gain of 10 dBi with a typical input VSWR of 1.5:1. Pasternack's waveguide horns are available in 10, 15, and 20 dBi models with varying frequency ranges to suit the application needs.

Waveguide antennas, such as the PEWAN975-10NF are used in a wide variety of applications due to the high-power handling capability, low loss, high directivity, and near constant electrical performance. Our WR-975 waveguide antennas with are part of over 40,000 RF, microwave, and millimeter wave components from Pasternack available worldwide and Ship same day.

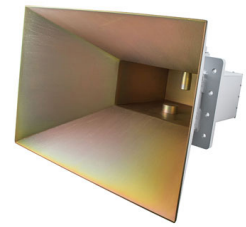
Configuration

Design	WR-975 Standard Gain Horn
Pattern	Directional
Polarization	Linear
RF Connector	N Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	0.76		1.15	GHz
Nominal Gain		10		dBi
VSWR			1.5:1	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-975 Waveguide Standard Gain Horn Antenna Operating From 760 MHz to 1150 MHz, 10 dBi Gain with N Type Female Connector PEWAN975-10NF](#)



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Mechanical Specifications

Size

Length	18.9 in [480.06 mm]
Width	18.9 in [480.06 mm]
Height	13.2 in [335.28 mm]
Weight	18 lbs [8.16 kg]
RF Connector	N Female

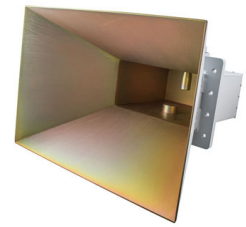
Environmental Specifications

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

Plotted and Other Data

Notes:

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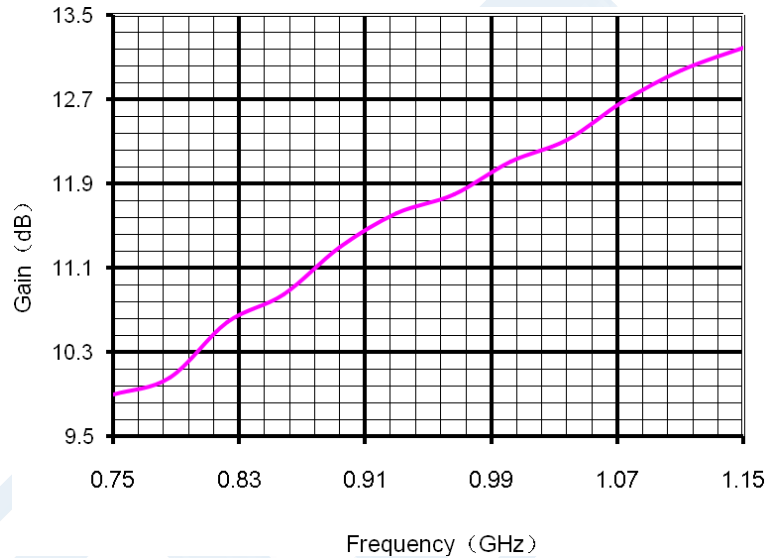
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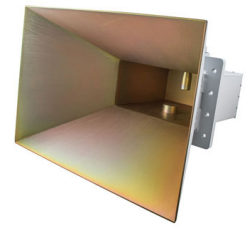
Typical Performance Data

Gain VS Frequency Curve:



Freq	Gain	Freq	Gain
0.75 GHz	9.90 dB	0.97 GHz	11.80 dB
0.79 GHz	10.06 dB	1.00 GHz	12.11 dB
0.82 GHz	10.58 dB	1.04 GHz	12.32 dB
0.86 GHz	10.85 dB	1.07 GHz	12.68 dB
0.89 GHz	11.30 dB	1.11 GHz	12.97 dB
0.93 GHz	11.62 dB	1.15 GHz	13.19 dB

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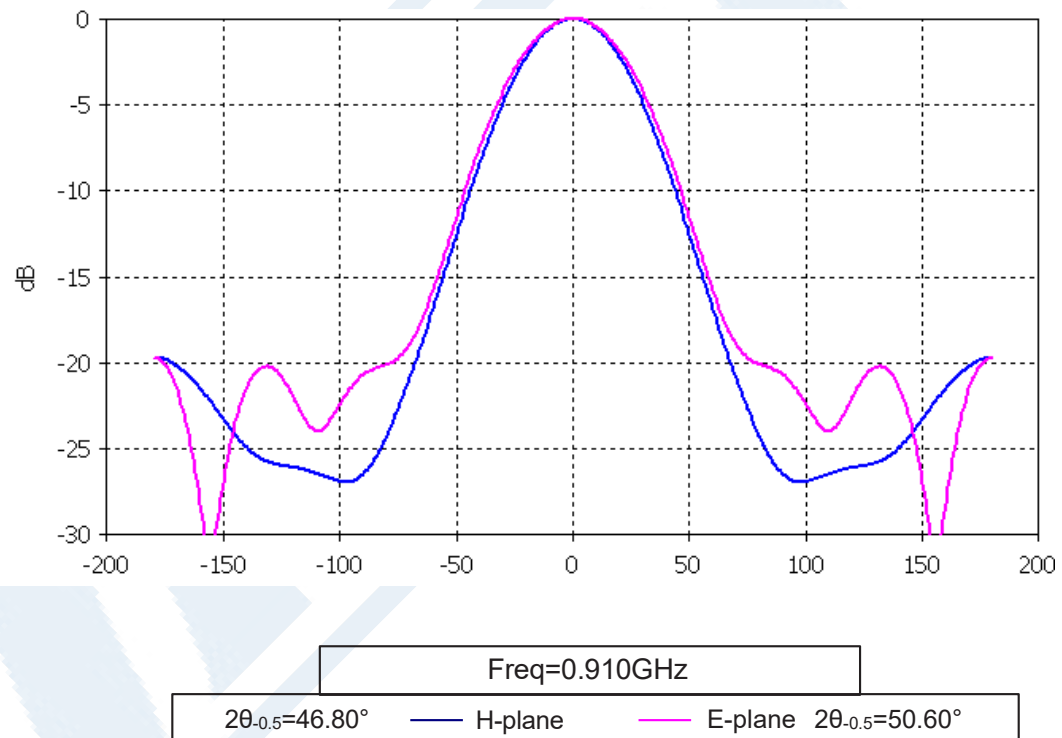


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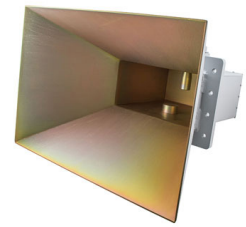
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Typical Pattern:



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WR-975 Waveguide Standard Gain Horn Antenna Operating From 760 MHz to 1150 MHz, 10 dBi Gain with N Type Female Connector 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.

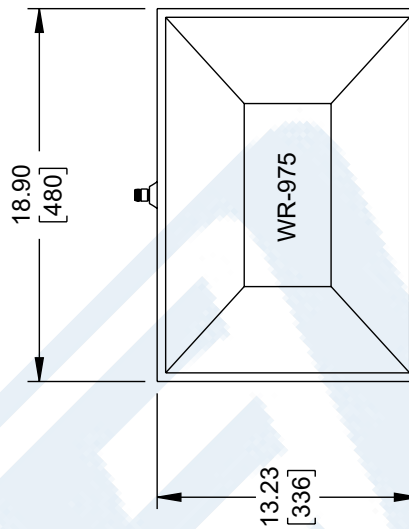
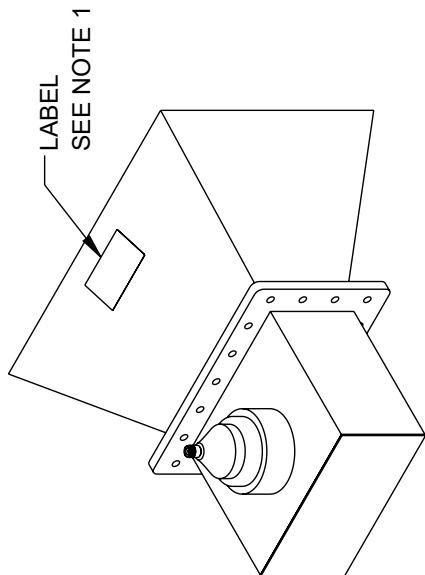
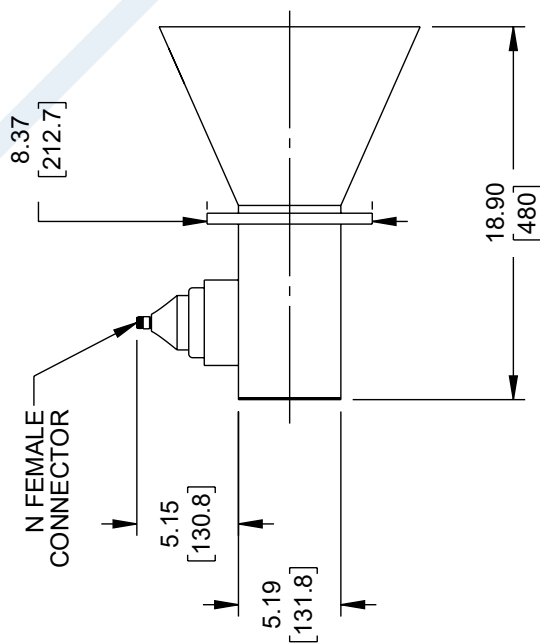
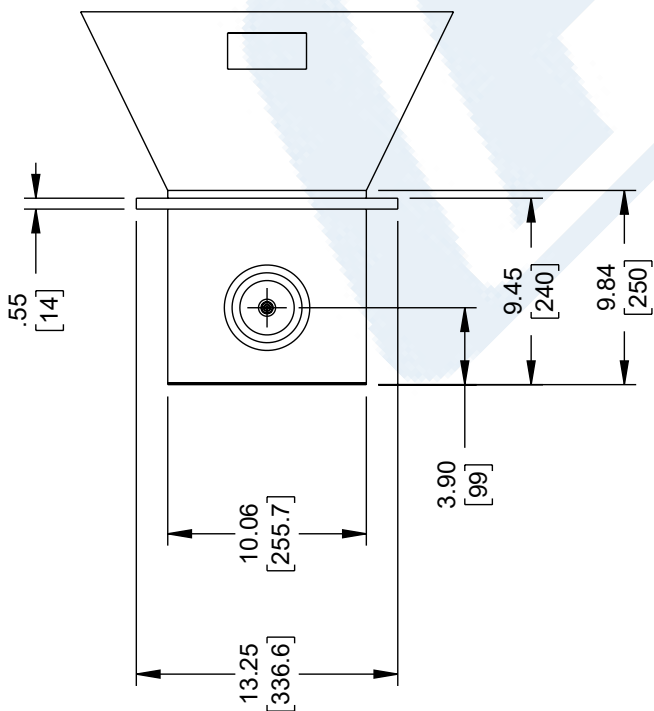
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ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	04/28/2023	DFR/SIELLO	KHIETPAS





NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY).
LABEL LOCATION FOR REFERENCE ONLY.

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Website: www.Pasternack.com				NONE	
Phone: 1.866.727.8376 1.949.261.1920				SHEET 1 OF 1	
DESCRIPTION					
WR-975 STANDARD GAIN HORN ANTENNA, 0.75-1.15 GHz, 10 dBi GAIN, N FEMALE					
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV	
A	53919	DFR/SIELLO	PEWAN975-10NF	A	
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