

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  
Pattern  
Polarization  
RF Connector

WR-975 Standard Gain Horn  
Directional  
Linear  
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](#)

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**

### 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:

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](#)

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

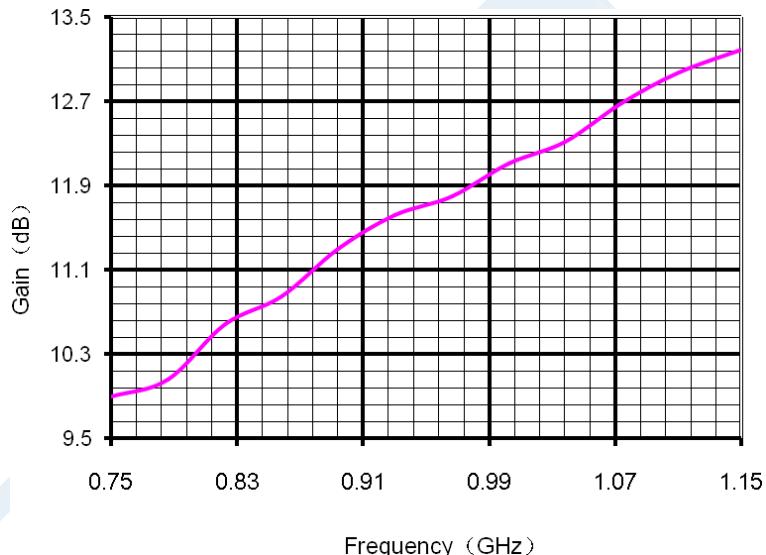


## Specialty Waveguide Antennas Technical Data Sheet

**PEWAN975-10NF**

### 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

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](#)

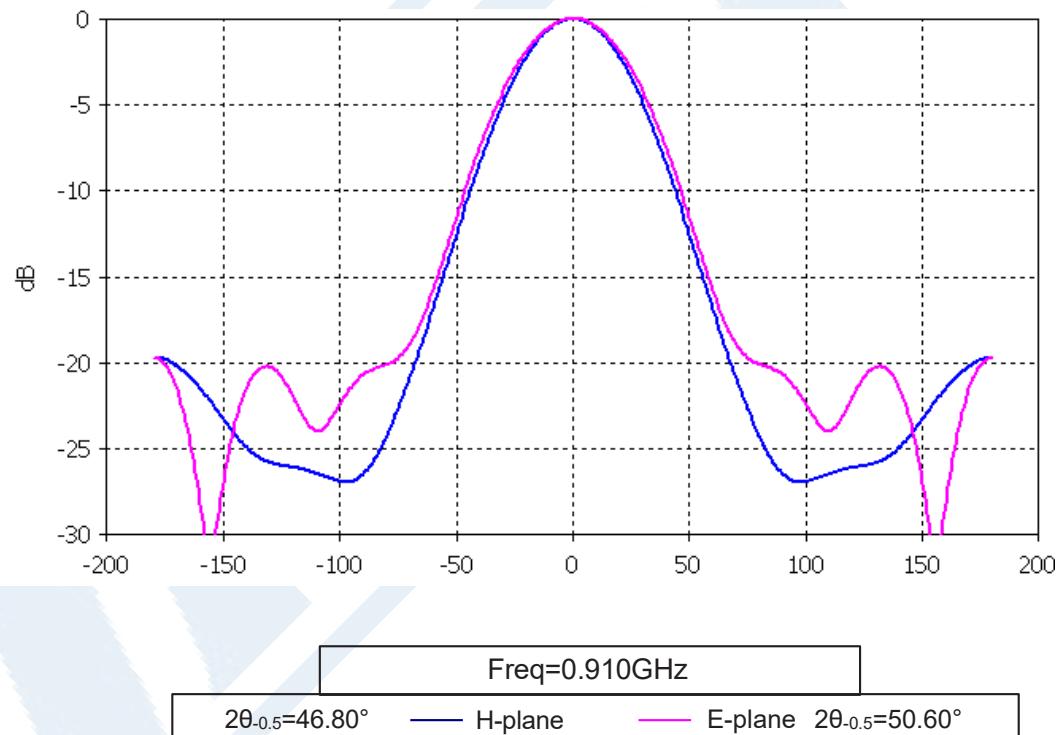
WR-975 Waveguide Standard Gain Horn Antenna  
Operating From 760 MHz to 1150 MHz, 10 dBi  
Gain with N Type Female Connector



## Specialty Waveguide Antennas Technical Data Sheet

**PEWAN975-10NF**

Typical Pattern:



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](#)

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**

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.

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](https://www.pasternack.com/wr-975-waveguide-standard-gain-horn-antenna-operating-from-760-mhz-to-1150-mhz-10-dbi-gain-with-n-type-female-connector-pewan975-10nf-p.aspx)

URL: <https://www.pasternack.com/wr-975-waveguide-standard-gain-horn-antenna-operating-from-760-mhz-to-1150-mhz-10-dbi-gain-with-n-type-female-connector-pewan975-10nf-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PEWAN975-10NF CAD Drawing

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

