

WR-975 Waveguide Standard Gain Horn Antenna
Operating From 760 MHz to 1150 MHz, 15 dBi
Gain with N Type Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN975-15NF

Features

- 760 MHz to 1150 MHz
- Linearly Polarized
- 15 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 PEWAN975-15NF 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 PEWAN975-15NF standard gain horn antenna has a nominal gain of 15 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 PEWAN975-15NF 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.

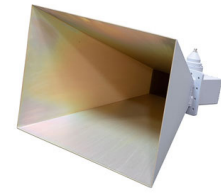
Configuration

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		15		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, 15 dBi Gain with N Type Female Connector PEWAN975-15NF](#)



WR-975 Waveguide Standard Gain Horn Antenna
Operating From 760 MHz to 1150 MHz, 15 dBi
Gain with N Type Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN975-15NF

Mechanical Specifications

Size

Length	32.3 in [820.42 mm]
Width	33.5 in [850.9 mm]
Height	22.9 in [581.66 mm]
Weight	59 lbs [26.76 kg]
RF Connector	N Female

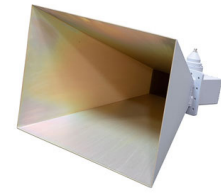
Environmental Specifications

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, 15 dBi Gain with N Type Female Connector PEWAN975-15NF](#)



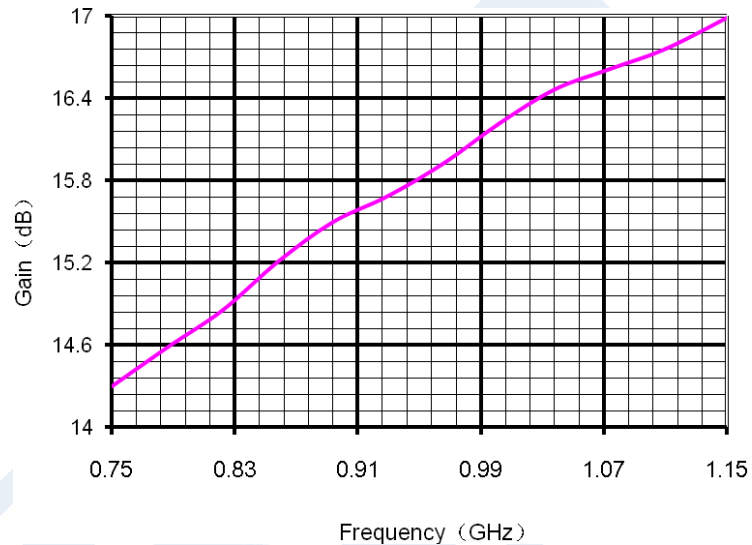
WR-975 Waveguide Standard Gain Horn Antenna
Operating From 760 MHz to 1150 MHz, 15 dBi
Gain with N Type Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN975-15NF

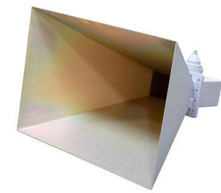
Typical Performance Data

Gain VS Frequency Curve:



Freq	Gain	Freq	Gain
0.75 GHz	14.30 dB	0.97 GHz	15.93 dB
0.79 GHz	14.58 dB	1.00 GHz	16.22 dB
0.82 GHz	14.86 dB	1.04 GHz	16.47 dB
0.86 GHz	15.21 dB	1.07 GHz	16.62 dB
0.89 GHz	15.50 dB	1.11 GHz	16.76 dB
0.93 GHz	15.69 dB	1.15 GHz	16.99 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, 15 dBi Gain with N Type Female Connector PEWAN975-15NF](#)

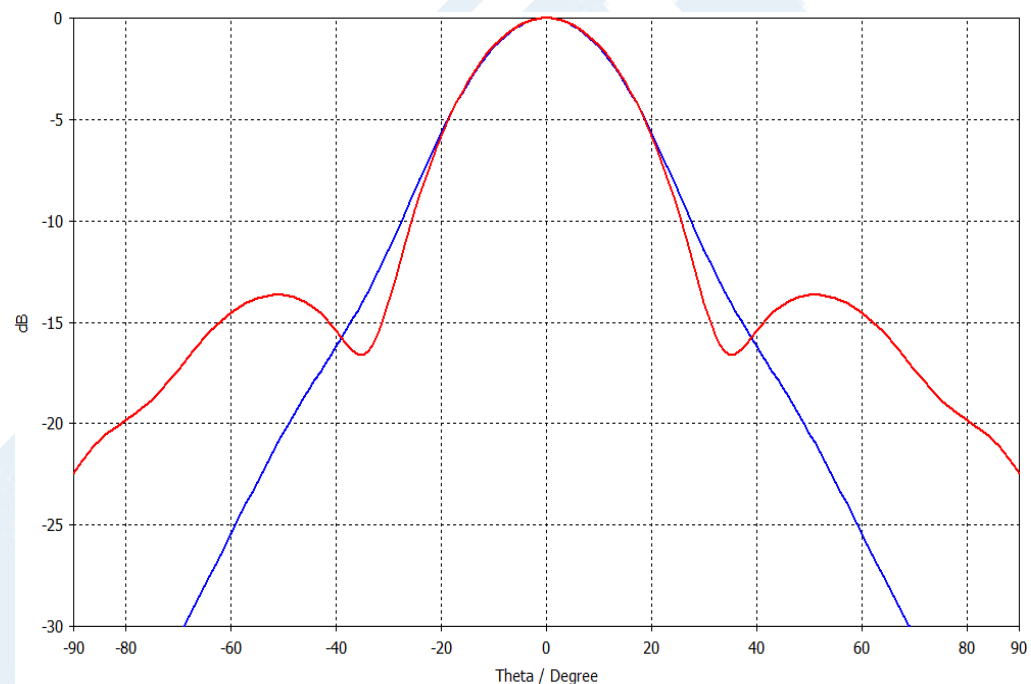


WR-975 Waveguide Standard Gain Horn Antenna
Operating From 760 MHz to 1150 MHz, 15 dBi
Gain with N Type Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN975-15NF

Typical Pattern:



Freq=0.910GHz

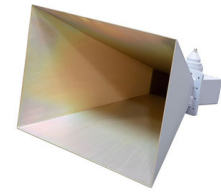
$2\theta_{0.5}=28.80^\circ$

— H-plane

— E-plane

$2\theta_{0.5}=29.20^\circ$

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, 15 dBi Gain with N Type Female Connector PEWAN975-15NF](#)



WR-975 Waveguide Standard Gain Horn Antenna
Operating From 760 MHz to 1150 MHz, 15 dBi
Gain with N Type Female Connector

Specialty Waveguide Antennas Technical Data Sheet

PEWAN975-15NF

WR-975 Waveguide Standard Gain Horn Antenna Operating From 760 MHz to 1150 MHz, 15 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, 15 dBi Gain with N Type Female Connector PEWAN975-15NF](https://www.pasternack.com/wr-975-waveguide-standard-gain-horn-antenna-operating-from-760-mhz-to-1150-mhz-15-dbi-gain-with-n-type-female-connector-pewan975-15nf)

URL: <https://www.pasternack.com/wr-975-waveguide-standard-gain-horn-antenna-operating-from-760-mhz-to-1150-mhz-15-dbi-gain-with-n-type-female-connector-pewan975-15nf-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.

