

Technical Data Sheet

PEWAN075-20NF

Features

• 10 GHz to 15 GHz

Laboratory Use

· WR-75 Waveguide Band

Applications

- Antenna MeasurementsWireless Communication
- Microwave Radio Systems
 - Radome Testing
 - Automotive Antenna Test

Solutions

- Radar Cross Section
- Satellite Antenna Testing

Description

The PEWAN075-20NF standard gain horn antenna (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This standard gain horn is mated with a WR-75 to N Female waveguide to coaxial adapter and operates from 10 GHz to 15 GHz.

Our PEWAN075-20NF standard gain horn antenna has a nominal gain of 20 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 17.5 dB and 17.3 dB respectively. Pasternack's N Female to WR-75 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN075-20NF 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-75 waveguide antennas with N Female interface is part of over 40,000 RF, microwave and millimeter wave components from Pasternack available worldwide and Ship same day.

Configuration

Design Coaxial Interface WR-75 Standard Gain Horn N Female

20 dBi Nominal Gain

N Female Connector

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|----------------------------------|---------|---------|---------|---------|
| Frequency Range | 10 | | 15 | GHz |
| Naveguide Standard Gain Horn | | | | |
| Gain | | 20 | | dBi |
| Horizontal Half Power Beam Width | | 17.5 | | Degrees |
| Vertical Half Power Beam Width | | 17.3 | | Degrees |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-75 Standard Gain Horn with 20 dBi gain, N Female connector PEWAN075-20NF

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451 Sales@Pasternack.com • Techsupport@Pasternack.com



1



Technical Data Sheet

WR-75 Standard Gain Horn with 20 dBi gain, N Female connector



PEWAN075-20NF

| | hanical Specifications Size | |
|--------|---|---|
| L V | Length Midth Height | 9.177 in [233.1 mm] 3.668 in [93.17 mm] 2.721 in [69.11 mm] |
| | Neight | 0.586 lbs [265.81 g] |
| | RF Connector Гуре | N Female |
| | Naveguide Interface Naveguide Size | WR-75 |
| Envi | ronmental Specifications | |
| Com | pliance Certifications (see product page for current docu | ment) |
| | ted 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-75 Standard Gain Horn with 20 dBi gain, N Female connector PEWAN075-20NF

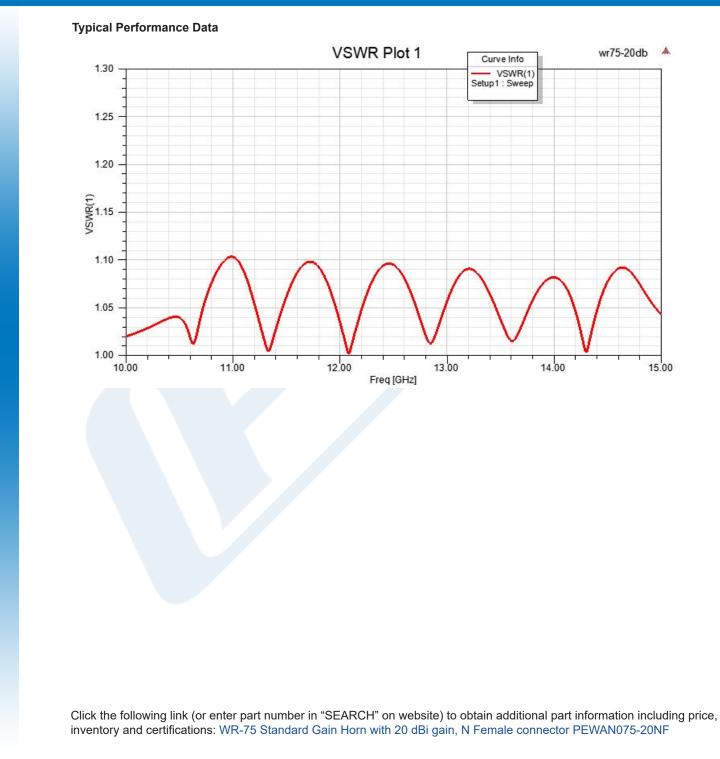








PEWAN075-20NF



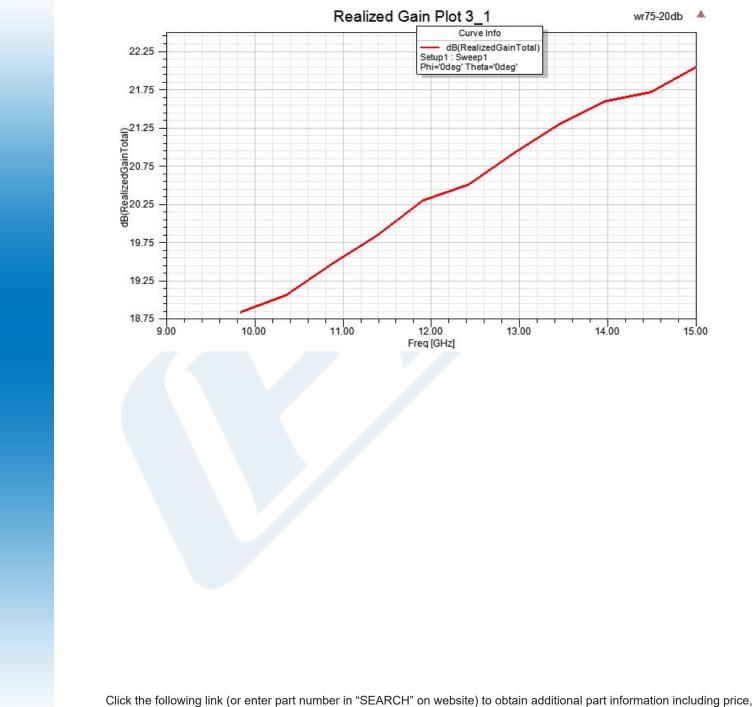






Technical Data Sheet

PEWAN075-20NF



inventory and certifications: WR-75 Standard Gain Horn with 20 dBi gain, N Female connector PEWAN075-20NF

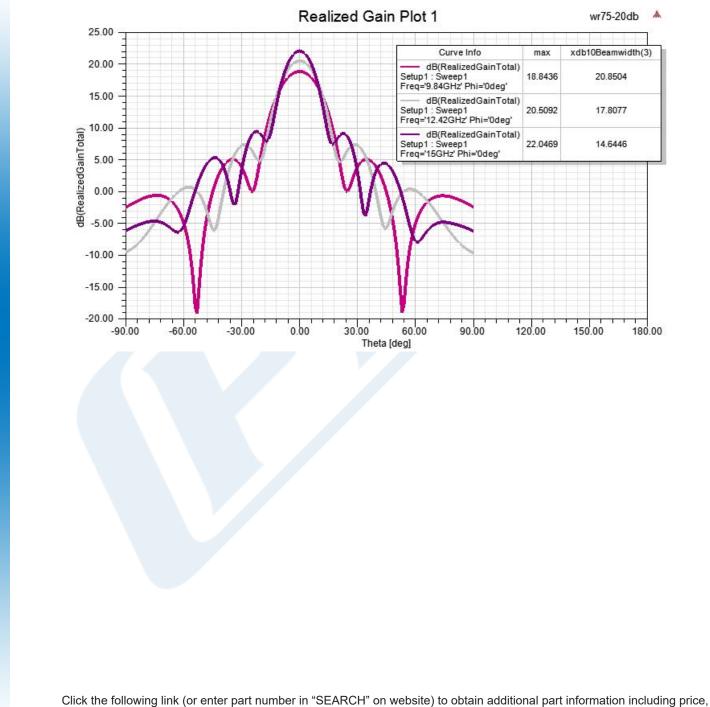






Technical Data Sheet

PEWAN075-20NF



inventory and certifications: WR-75 Standard Gain Horn with 20 dBi gain, N Female connector PEWAN075-20NF

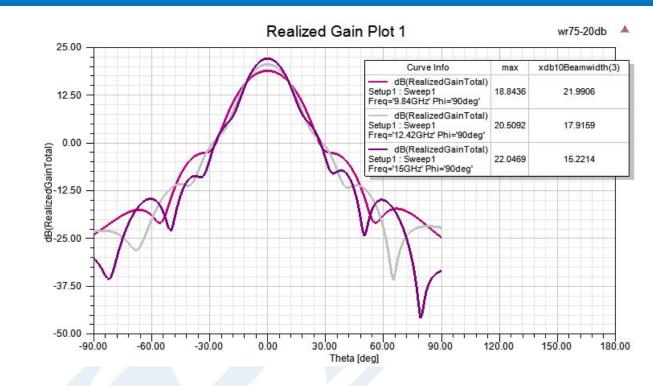






Technical Data Sheet

PEWAN075-20NF



WR-75 Standard Gain Horn with 20 dBi gain, N 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-75 Standard Gain Horn with 20 dBi gain, N Female connector PEWAN075-20NF

URL: https://www.pasternack.com/wr-75-waveguide-standard-gain-horn-antenna-20-db-n-pewan075-20nf-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.

PEWAN075-20NF CAD Drawing WR-75 Standard Gain Horn with 20 dBi gain, N Female connector

