

# **Technical Data Sheet**



# **PEWAN090-10NF**

#### **Features**

• 8.2 GHz to 12.4 GHz

Laboratory Use

WR-90 Waveguide Band

### Applications

- Antenna Measurements Wireless Communication
- Microwave Radio Systems
- Radome Testing
- Automotive Antenna Test

10 dBi Nominal Gain

N Female Connector

Solutions

- · Radar Cross Section
- Satellite Antenna Testing

### Description

The PEWAN090-10NF 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-90 to N Female waveguide to coaxial adapter and operates from 8.2 GHz to 12.4 GHz.

Our PEWAN090-10NF standard gain horn antenna has a nominal gain of 10 dBi with a Horizontal and Vertical HPBW (Half Power Beam Width) of 52.1 dB and 51.6 dB respectively. Pasternack's N Female to WR-90 standard gain horns are available in 10, 15 and 20 dBi models with pyramidal shape and connectorized input.

Waveguide antennas, such as the PEWAN090-10NF 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-90 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-90 Standard Gain Horn N Female

## **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	8.2		12.4	GHz
Waveguide Standard Gain Horn				
Gain		10		dBi
Horizontal Half Power Beam Width		52.1		Degrees
Vertical Half Power Beam Width		51.6		Degrees

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-90 Standard Gain Horn with 10 dBi gain, Type N Female connector PEWAN090-10NF









## PEWAN090-10NF

Mechanical Specifications Size	
Length	2.851 in [72.42 mm]
Width	1.63 in [41.4 mm]
Height	1.63 in [41.4 mm]
Weight	0.229 lbs [103.87 g]
RF Connector	
Туре	N Female
Wayaguida Interface	
Waveguide Interface Waveguide Size	WR-90
Environmental Specifications	
Compliance Certifications (see product page for cur	rent 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-90 Standard Gain Horn with 10 dBi gain, Type N Female connector PEWAN090-10NF

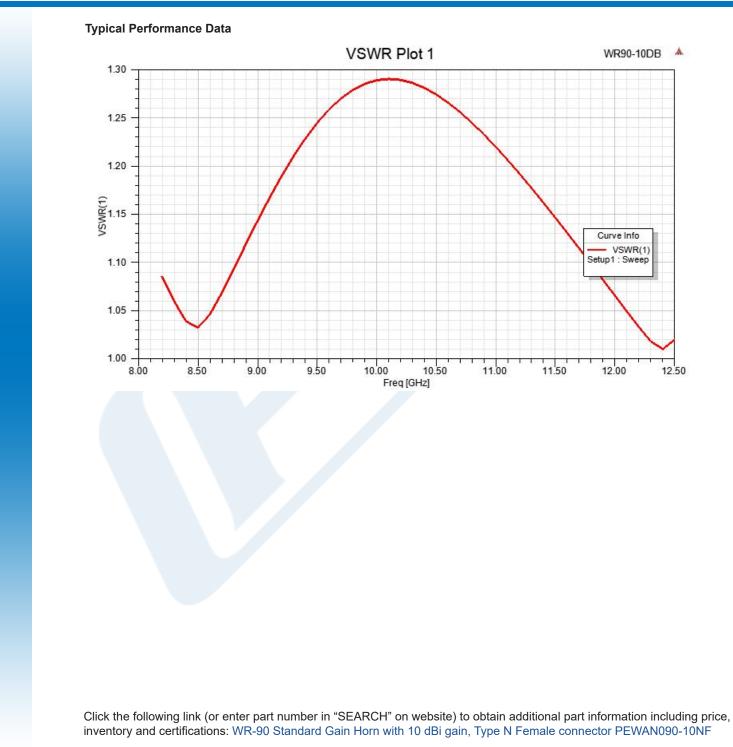






## **Technical Data Sheet**

PEWAN090-10NF



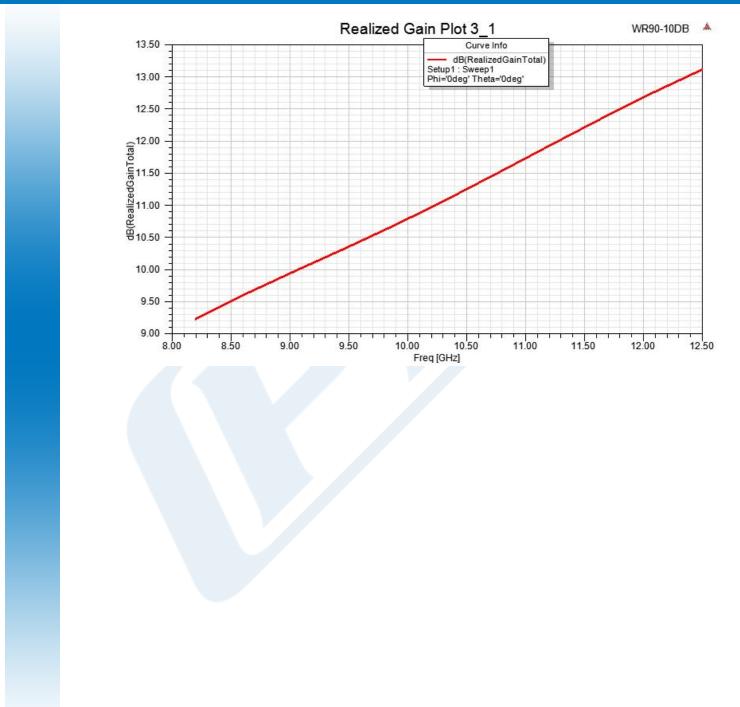






# **Technical Data Sheet**

# PEWAN090-10NF



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-90 Standard Gain Horn with 10 dBi gain, Type N Female connector PEWAN090-10NF

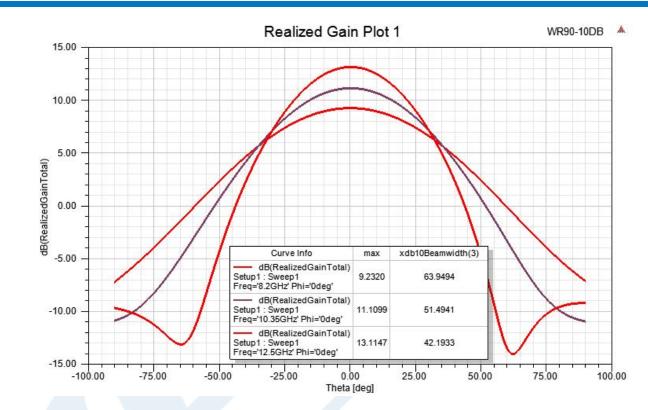






## **Technical Data Sheet**

# PEWAN090-10NF



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-90 Standard Gain Horn with 10 dBi gain, Type N Female connector PEWAN090-10NF

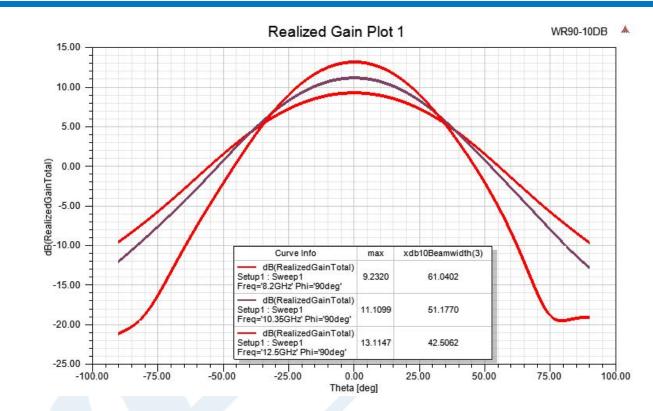






## **Technical Data Sheet**

# PEWAN090-10NF



WR-90 Standard Gain Horn with 10 dBi gain, Type 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-90 Standard Gain Horn with 10 dBi gain, Type N Female connector PEWAN090-10NF

URL:

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.

**PEWAN090-10NF CAD Drawing** WR-90 Standard Gain Horn with 10 dBi gain, Type N Female connector

