

WR-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with N Type Female



## PEWAN650-10NF

### Features

- 1130 MHz to 1730 MHz
- Linearly Polarized
- 10 dBi Nominal Gain
- WR-650 with Type N Female connector
- Powder Coated Aluminum

### Applications

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

### Description

The PEWAN650-10NF standard horn antenna (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This WR-650 waveguide horn features an N Female Coax Connector and operates from 1130 to 1730 MHz.

Our PEWAN650-10NF 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 PEWAN650-10NF 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-650 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-650
Pattern	Directional
Polarization	Linear
Coaxial Interface	N Female

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.13		1.73	GHz
Gain		10		
Horizontal Half Power Beam Width		55		Degrees
Vertical Half Power Beam Width		55		Degrees
<b>Waveguide to Coaxial Adapter</b>				
VSWR			1.25:1	

### Mechanical Specifications

Size	
Length	17 in [431.8 mm]
Width	12.4 in [314.96 mm]
Height	9.3 in [236.22 mm]
Weight	8.4715 lbs [3.84 kg]

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## PEWAN650-10NF

**RF Connector**

Type

N Female

**Waveguide Interface**

Waveguide Size

WR-650

**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:

**Typical Performance Data**

WR-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with N Type Female 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-650 Waveguide Standard Gain Horn Antenna Operating From 1.13 GHz to 1.73 GHz, 10 dBi Gain with N Type Female PEWAN650-10NF](#)

URL: <https://www.pasternack.com/wr-650-waveguide-standard-gain-horn-antenna-operating-from-1.13-ghz-to-1.73-ghz-10-dbi-gain-with-n-type-female-pewan650-10nf-p.aspx>

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# PEWAN650-10NF CAD Drawing

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