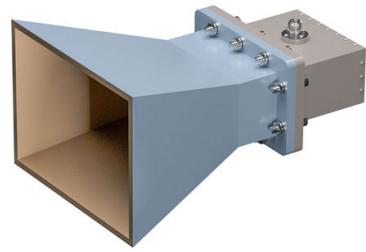


WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 10 dBi Gain with N Type Female



PEWAN510-10NF

Features

- 1450 MHz to 2200 MHz
- Linearly Polarized
- 10 dBi Nominal Gain
- WR-510 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 PEWAN510-10NF standard horn antenna (also known as waveguide horn) from Pasternack is part of our comprehensive selection of waveguide antennas. This WR-510 waveguide horn features an N Female Coax Connector and operates from 1450 to 2200 MHz.

Our PEWAN510-10NF 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 PEWAN510-10NF 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-510 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-510
Pattern	Directional
Polarization	Linear
Coaxial Interface	N Female

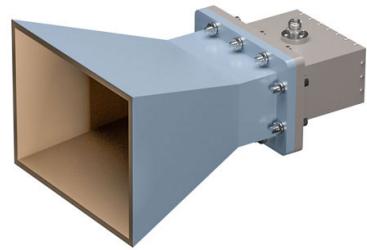
Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.45		2.2	GHz
Gain		10		
Horizontal Half Power Beam Width		55		Degrees
Vertical Half Power Beam Width		55		Degrees
Waveguide to Coaxial Adapter				
VSWR			1.25:1	

Mechanical Specifications

Size	
Length	14.5 in [368.3 mm]
Width	7.3 in [185.42 mm]
Height	9.8 in [248.92 mm]
Weight	5.387 lbs [2.44 kg]

WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 10 dBi Gain with N Type Female



PEWAN510-10NF

RF Connector

Type N Female

Waveguide Interface

Waveguide Size WR-510

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 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-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 10 dBi Gain with N Type Female PEWAN510-10NF](#)

URL: <https://www.pasternack.com/wr-510-waveguide-standard-gain-horn-antenna-operating-from-1.45-ghz-to-2.2-ghz-10-dbi-gain-with-n-type-female-pewan510-10nf-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PEWAN510-10NF CAD Drawing

WR-510 Waveguide Standard Gain Horn Antenna Operating From 1.45 GHz to 2.2 GHz, 10 dBi Gain with N Type Female

