



Antennas Technical Data Sheet

PE510M1015

Features

- · Rugged industrial grade design
- · Lightweight fiberglass radome
- · All weather operation

Applications

- 900 MHz ISM band
- · LPWAN, LoRA, IoT, M2M applications
- · GSM, SCADA applications

- · Integral N-Female connector
- · Includes heavy duty steel mast mounting brackets
- 900 MHz cellular band
- Point to multi-point and Non Line Of Sight (NLOS) applications

Description

The HyperLink PE51OM1015 is a high performance omnidirectional antenna designed for the 900 MHz ISM band. It is ideally suited for multipoint, Non Line of Sight (NLOS) and mobile applications where high gain and wide coverage is desired. Typical applications include 900MHz Wireless LAN, SCADA, Wireless Video Links, LPWAN/IoT/M2M, and 900MHz Cellular band applications.

This antenna features an integral N-Female type connector that mounts through the wall of an equipment enclosure. Included with the PE510M1015 is a dual u-bolt mast mounting kit. Consisting of a heavy-duty steel bracket and a pair of U-bolts, this kit allows installation on masts up to 2.0" in diameter.

This omni antenna's construction features a rugged 1.58" diameter fiberglass radome for durability, aesthetics and long service life. It is designed for all weather operation.

Configuration

Design Omni **Band Type** Single

Radiation Pattern Omni Directional

Polarization Vertical Connector Type N Female

Number of Ports

Lightning Protection DC Ground

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	900		928	MHz
Input VSWR		1.5:1	1.5:1	
Impedance		50		Ohms
Gain		6		dBi
Horizontal (Azimuth) Beam Width		Omnidirectional		
Vertical (Elevation) Beam Width		19		Degrees
Input Power			50	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 900 MHz 6 dBi Omnidirectional Antenna PE510M1015

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

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Mechanical Specifications

Radome Material Fiberglass

Size

 Overall Length
 38.1 in [967.74 mm]

 Width
 1.5 in [38.1 mm]

 Height
 1.5 in [38.1 mm]

 Weight
 3.86 lbs [1.75 kg]

Environmental Specifications

Temperature

Operating Range -40 to +60 deg C Wind Loading 130 MPH [209.21 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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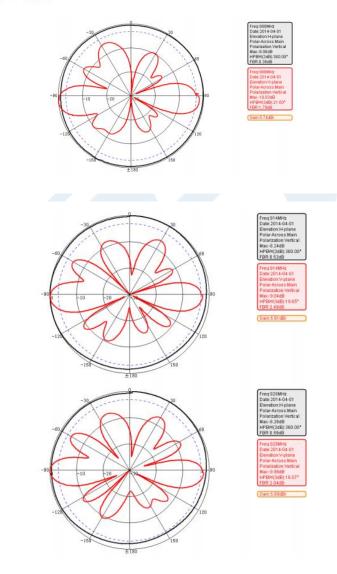




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URL: https://www.pasternack.com/single-antenna-6-dbi-gain-n-pe51om1015-p.aspx

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PE510M1015 CAD Drawing

900 MHz 6 dBi Omnidirectional Antenna

