

Technical Data Sheet	PE510M1015		
Features			

# Antennas

- 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 PE51OM1015 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	1
Lightning Protection	DC Ground

### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Input VSWR		1.5:1	1.5:1	
Impedance		50		Ohms
Gain		6		dBi
Input Power			50	Watts

### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	900-928					MHz
Gain	6					dBi

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 PE51OM1015

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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# Antennas Technical Data Sheet Horizontal Beam Width 360 Degees Vertical Beam Width 19 Degees Maximum Input Power Watts 50 **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] 3.86 lbs [1.75 kg] Weight **Environmental Specifications** Temperature **Operating Range** -40 to +60 deg C 130 MPH [209.21 KPH] Wind Loading Compliance Certifications (see product page for current document) **Plotted and Other Data** Notes:

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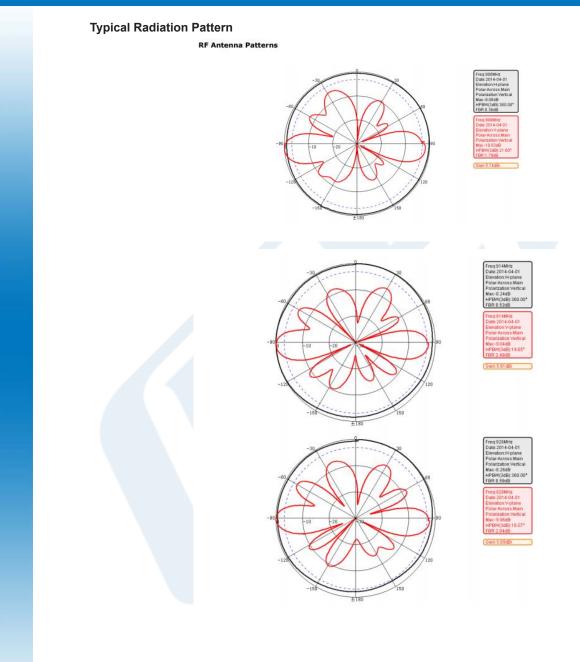
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900 MHz 6 dBi Omnidirectional Antenna from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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

# PE51OM1015 CAD Drawing

900 MHz 6 dBi Omnidirectional Antenna

