



6 dBi DualBand Omni Antenna N Type Connector

Antennas Technical Data Sheet

PE51OM1004

Features

- Heavy duty industrial grade design
- Fiberglass radome
- All weather operation
- Twin heavy duty steel mounting brackets and u-bolts
- Integral N-Female connector

Applications

- 2.4/5.8 GHz IEEE 802.11a/b/g and 802.11ac applications
- 5.8 GHz UNII and ISM applications
- 2.4GHz Wi-Fi applications
- Wireless video systems
- Point-to-multipoint applications

Description

The HyperLink PE51OM1004 is a professional high gain dual band omnidirectional base station Wi-Fi antenna designed and optimized for the 2.4 and 5.8GHz frequency. This antenna is ideally suited for multipoint applications where long range and wide coverage is desired.

The PE51OM1004 construction features a heavy-duty fiberglass radome for durability and aesthetics. Designed to operate in the harshest of environments, the PE51OM1004 far exceeds other omnidirectional antennas. The included mounting system features twin heavy-duty mounting brackets and u-bolts for superior strength.

Configuration

Design	Omni
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Short

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		5,850	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		6		dBi
Downtilt			0	Degrees
Input Power			100	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4 to 2.5	5.725 to 5.85				GHz
Gain	6	6				dBi
Horizontal Beam Width	360	360				Degrees
Vertical Beam Width	19	11				Degrees

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [6 dBi DualBand Omni Antenna N Type Connector PE51OM1004](#)



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VSWR Max	1.5:1	1.5:1	
Maximum Input Power	100	100	Watts

Mechanical Specifications

Radome Material

Fiberglass

Size

Radome Diameter

2.04 in [51.82 mm]

Overall Length

32.5 in [825.5 mm]

Width

2.04 in [51.82 mm]

Height

2.04 in [51.82 mm]

Mounting Mast Diameter

1.2 to 2.4 in [30.48 to 60.96 mm]

Weight

6 lbs [2.72 kg]

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

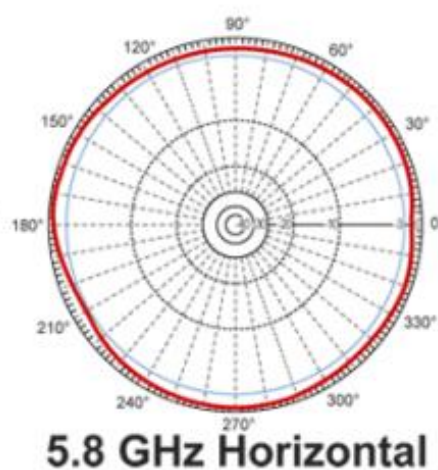
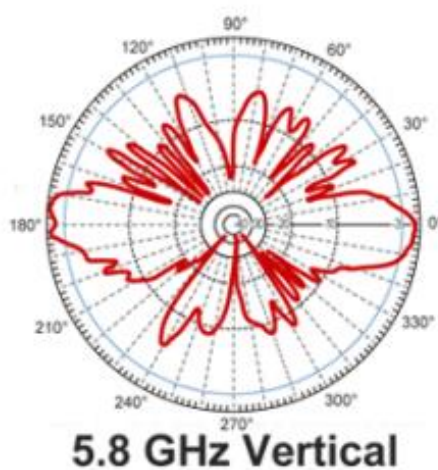
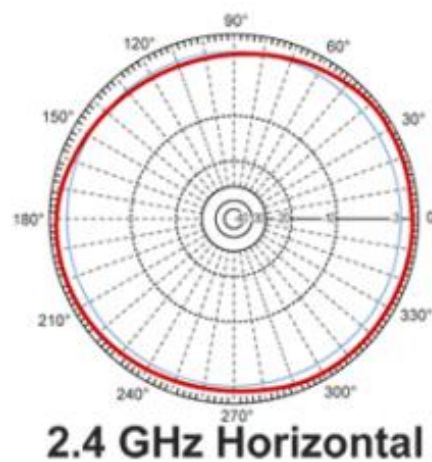
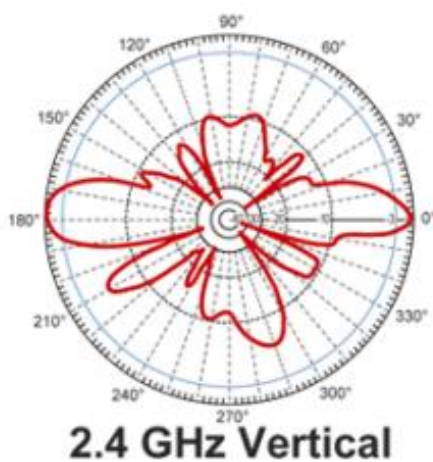
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PE510M1004



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PE51OM1004

6 dBi DualBand Omni Antenna N Type 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.

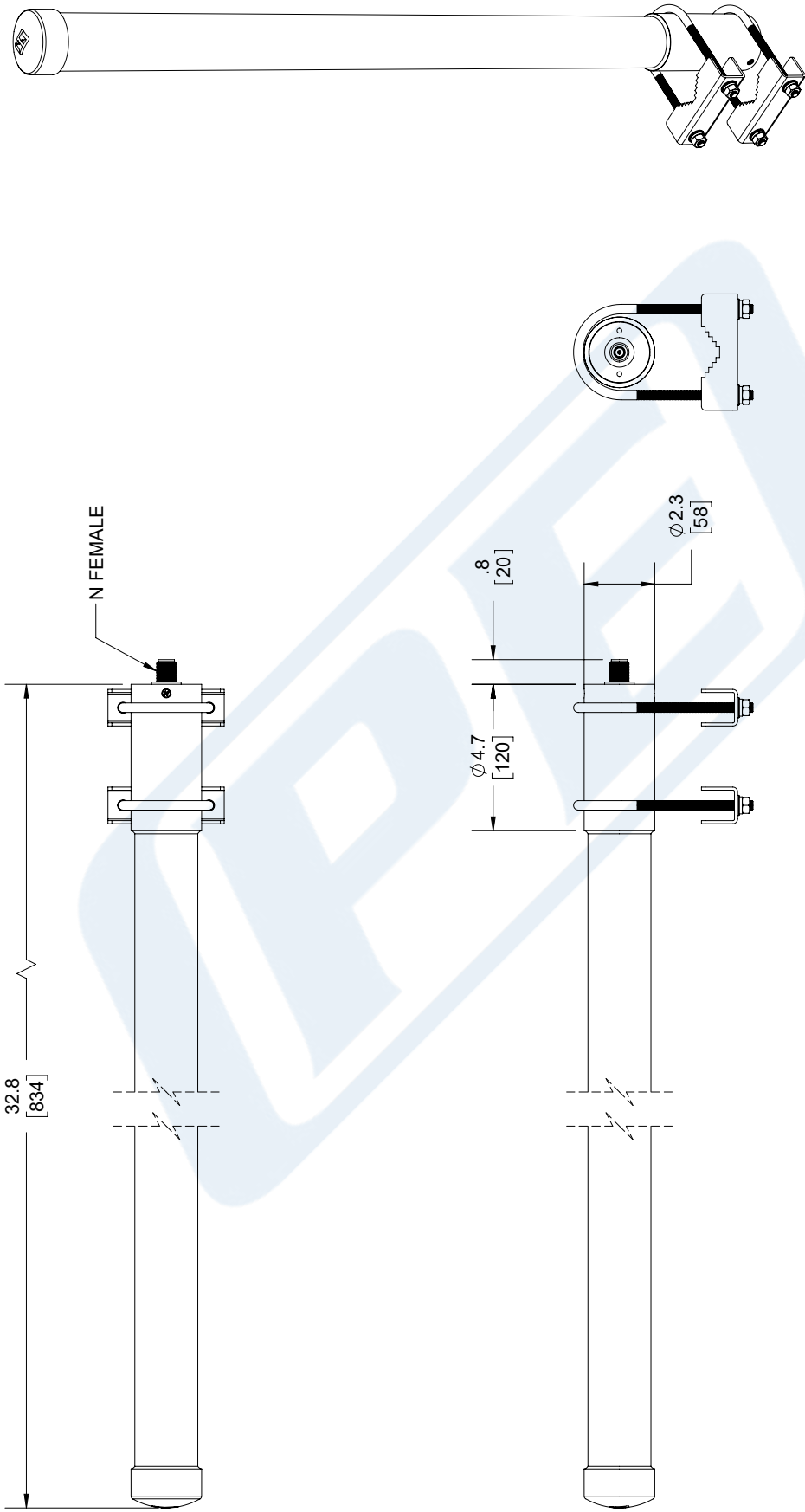
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URL: <https://www.pasternack.com/dual-antenna-6-dbi-gain-n-pe51om1004-p.aspx>

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.

PE510M1004 CAD Drawing
6 dBi DualBand Omni Antenna N Type Connector

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2/13/2020	M.MILLER



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

.X = ± .2	[5.08]	FRACTIONS
.XX = ± .02	[.51]	± 1/32
.XXX = ± .005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	± .1 [25]	/ -0
12 [305] < L ≤ 60 [1524]	± .2 [51]	/ -0
60 [1524] < L ≤ 120 [3048]	± .4 [102]	/ -0
120 [3048] < L ≤ 300 [7620]	± .6 [152]	/ -0
300 [7620] < L	± .5% L	/ -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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SHEET 1 OF 1

SCALE N/A

REV A

SIZE A

CAGE CODE 53919

DRAWN BY K.DANG

ITEM NO. PE510M1004

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EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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