



PE51FP1011

Antennas Technical Data Sheet

Features

- MIMO Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure

Applications

- 4.9-5.8 GHz Wireless LAN systems
- Supports 1x2, 2x2 MIMO AP/Router
- Supports IEEE 802.11 a/n applications

- Two integrated diversity antennas
- · UV-resistant radome for all-weather operation
- WiMAX, WISP, WiFi, Mobile Communication
- Homeland Security and Public Safety band

Description

The HyperLink PE51FP1011 Flat Panel Antenna combines vertical and horizontal polarization with high gain over broadband frequency in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint and point-to-point applications in the 4.9 GHz to 5.8 GHz frequency bands. The PE51FP1011 supports 802.11a/n and MIMO applications.

This aesthetically pleasing antenna features a heavy-duty UV-resistant plastic radome ideal for all-weather indoor and outdoor operation. The PE51FP1011 antenna is supplied with a tilt and swivel mast mount kit. This allows quick installation at various degrees of up/down tilt for easy alignment.

Configuration

Design Band Type Radiation Pattern Polarization Connector Type Interface 2 Number of Ports Lightning Protection Panel Wide Directional Vertical or Horizontal N Female N Female 2 DC Ground

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.8:1	
Impedance		50		Ohms
Gain		19		dBi
Front to Back Ratio		25		dB
Input Power			10	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	4,900-5,850					MHz
Gain	19					dBi
Horizontal Beam Width	80					Degees
Vertical Beam Width	23					Degees

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 4.9-5.8 GHz 19dBi Dual Polarized Panel Antenna PE51FP1011

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

Sales@Pasternack.com • Techsupport@Pasternack.com





Antennas Technical Data Sheet PE51FP1011 Maximum Input Power 10 Watts **Mechanical Specifications Radome Material** ASA Size **Overall Length** 12.4 in [314.96 mm] Width 12.4 in [314.96 mm] 0.98 in [24.89 mm] Height Mounting Mast Diameter 0.75 to 2 in [19.05 to 50.80 mm] Weight 3.96 lbs [1.8 kg] **Environmental Specifications** 130 MPH [209.21 KPH] Wind Loading Compliance Certifications (see product page for current document) **Plotted and Other Data** Notes:

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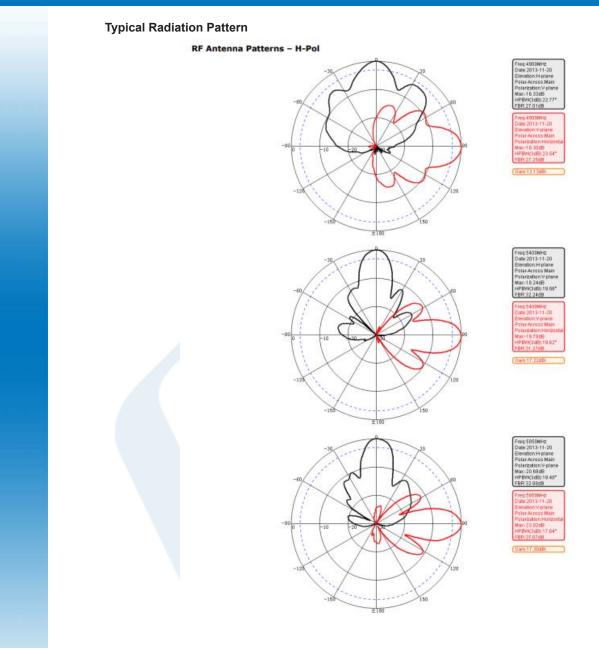
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RF Antenna Patterns - V-Pol -18.61 dB

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4.9-5.8 GHz 19dBi Dual Polarized Panel 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.

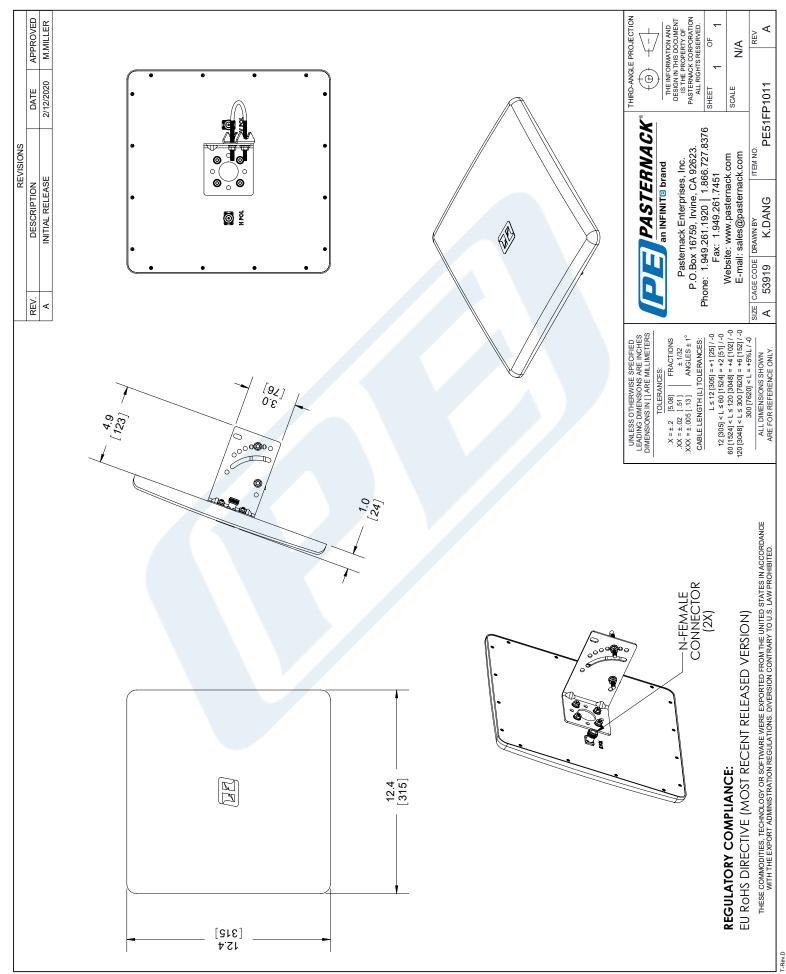
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URL: https://www.pasternack.com/wide-antenna-19-dbi-gain-n-pe51fp1011-p.aspx

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.

PE51FP1011 CAD Drawing

4.9-5.8 GHz 19dBi Dual Polarized Panel Antenna



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