



2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO
Antenna, 6 dBi Gain, 4 N Type Male Connectors

Antennas Technical Data Sheet

PEANFP1038

Features

- N Type Male Connector
- 4 x Vertical Polarization
- 4x4 MIMO Functionality
- Outdoor Rated Flat Panel Antenna
- 2.4 GHz, 5 GHz, 6 GHz Wi-Fi Bands
- 6 dBi gain

Applications

- Infotainment systems, Routers, Wi-Fi hotspots, HD video transmission, Gateways, Dash cameras, Public transportation
- Connected cars or self-driving cars, Fleet management, Logistics
- Public Safety Networks
- Zigbee, Bluetooth, Wi-Fi

Description

The PEANFP1038 Wi-Fi 6e Antenna from Pasternack's is a high performance directional antenna designed for the 2400 MHz to 7125 MHz bands and is available to ship same day. It is a UV protected, outdoor rated antenna with directional pattern. The PEANFP1038 is ideally suited for 802.11 protocols including 802.11ax as well as Zigbee, Bluetooth and is 4x4 MIMO capable.

The Pasternack's high performance PEANFP1038 is a rugged antenna providing broad coverage, low latency, increased network capacity and 6 dBi gain. This 4 port N Male directional antenna is suitable for commercial radios and access points in public and private networks that are equipped with N Type connectors.

This Wi-Fi 6e PEANFP1038 antenna with 4 N Male connectors, as well as our wide selection of superior quality RF parts, ships same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Pasternack's products.

Configuration

Design	Flat Panel
Application Band	Wi-Fi 6E
Band Type	Dual
Radiation Pattern	Directional
Polarization	Vertical
Cable Type	RG58/U
Cable Length	36 in [914.4 mm]
Connector Type	N Male
Number of Ports	4

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		7,125	MHz
Input VSWR			2:1	
Impedance		50		Ohms
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: [2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO Antenna, 6 dBi Gain, 4 N Type Male Connectors PEANFP1038](#)



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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4 to 2.5	5.15 to 7.125				GHz
Gain	6	6				dBi
Horizontal Beam Width	105	120				Degrees
Vertical Beam Width	60	55				Degrees

Mechanical Specifications

Radome Material

UV Resistant ABS

Size

Overall Length

9 in [228.6 mm]

Width

4.4 in [111.76 mm]

Height

1.2 in [30.48 mm]

Weight

0.942 lbs [427.28 g]

Color

White

Environmental Specifications

Temperature

Operating Range

-40 to +70 deg C

Humidity

5 to 95

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO Antenna, 6 dBi Gain, 4 N Type Male Connectors PEANFP1038](#)



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2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO Antenna, 6 dBi Gain, 4 N Type Male Connectors 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: [2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO Antenna, 6 dBi Gain, 4 N Type Male Connectors PEANFP1038](https://www.pasternack.com/2400-2500-5150-7125-mhz-wi-fi-6e-flat-panel-mimo-antenna-6-dbi-gain-4-n-type-male-connectors-peanfp1038-p.aspx)

URL: <https://www.pasternack.com/2400-2500-5150-7125-mhz-wi-fi-6e-flat-panel-mimo-antenna-6-dbi-gain-4-n-type-male-connectors-peanfp1038-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.

PEANFP1038 CAD Drawing

2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO

Antenna, 6 dBi Gain, 4 N Type Male Connectors

F E D C B A

1

2

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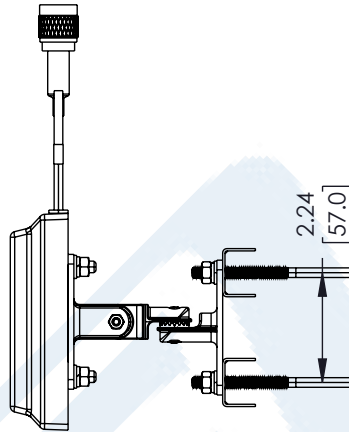
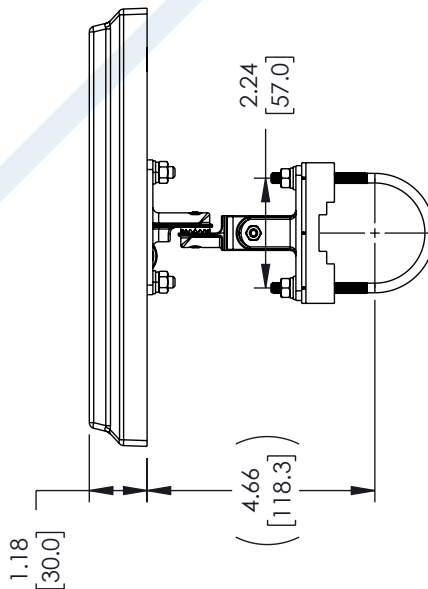
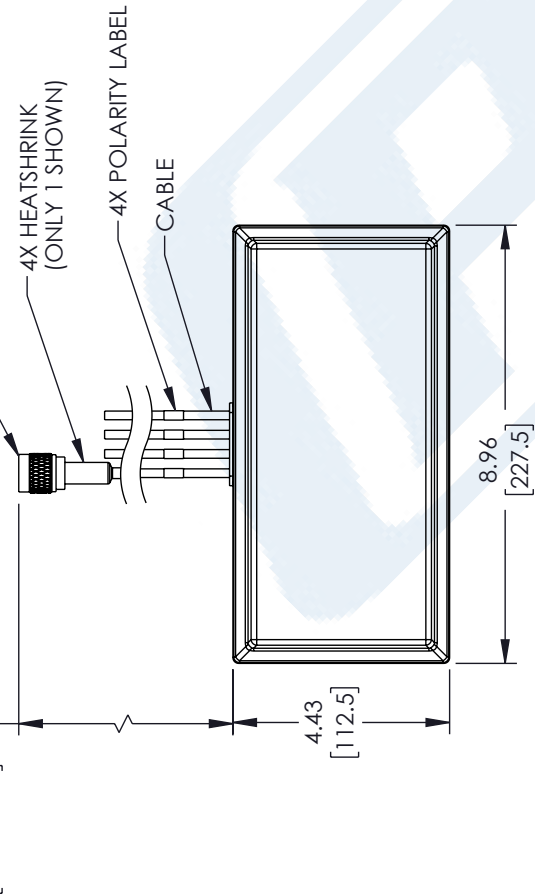
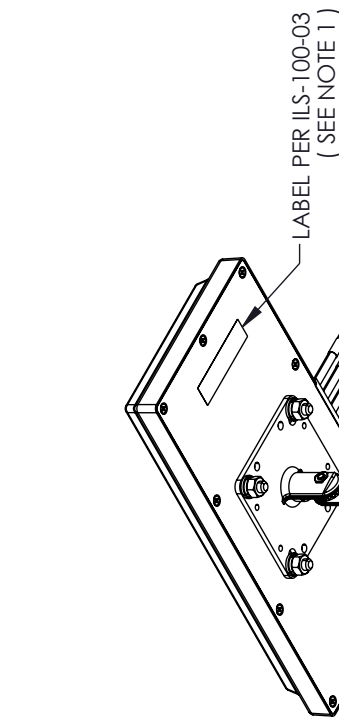
4

5

6

ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	B	REVISED AS PER ECO 12479	02/21/2023	DMAY	KHIETPAS

REVISION	1	2	3	4	5	6
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NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL USE ONLY).
LABEL LOCATION SHOWN IS APPROXIMATE.

REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION).

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

TOLERANCES:

X = ±.2 [5] | FRACTIONS
XX = ±.02 [.5] | ± 1/32
XXX = ±.005 [.13] | ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤12 [305] = +1 [25] / -0
>12 [305] ≤60 [1524] = +2 [51] / -0
>60 [1524] ≤120 [3048] = +4 [102] / -0
>120 [3048] ≤300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE

PE PASTERNAK
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Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION

2400-2500 & 5150-7125MHZ 6DBI WI-FI 6E WIDE BEAMWIDTH
SMALL PATCH MIMO ANTENNA, 4 LEADS, POLE MOUNT N MALE

SIZE

A

CAGE CODE

53919

DRAWN BY

PSRINIVAS

ITEM NO.

PEANFP1038

REV

B



INTERPRET ALL DIMENSIONS AND
TOLERANCES PER ASME Y14.5

SCALE

NONE

SHEET

1 OF 1