



4900-6200 MHz, Flat Panel Antenna, 23 dBi gain, N
Female Connector, 2 Ports, H/V or 45 Deg. Slant

Antennas Technical Data Sheet

PEANFP1073

Features

- 2-port Flat panel antenna
- 4900 to 6200 MHz, 23 dBi
- VSWR < 1.7:1
- All aluminum material
- Dual slant (V/H or $\pm 45^\circ$)
- Horizontal beam-width 12°
- Vertical beam-width 12°
- 100 W max input power per port
- 2 x N type female connectors
- DC ground
- Water proof rating: IP-65

Applications

- Indoor or outdoor
- Point to point data links (PtP)
- Point to multi-point data links (PtMP)
- Wi-Fi 5, Wi-Fi 6
- Unlicensed 5GHz and 6GHz bands
- 5G bands - n46, n47, n96, n102
- 2x2 MIMO capability
- High speed internet access

Description

Pasternack's PEANFP1073 is a single band MIMO flat panel antenna that ships on the same day as ordered. It has a frequency range of 4900 to 6200 MHz, providing stability over a wide bandwidth to support gigabit transmissions and has operating temperature ranging from -40 to 60°C . This antenna has an 23 dBi high gain, which describes electrical power conversion capability.

The Pasternack PEANFP1073 flat panel antenna has a type N female connector capable of carrying microwave frequencies used to join coaxial cables. This point-to-point antenna has a 50 Ohms impedance and is highly directional, which means it receives greater power in a specific direction. This antenna features dual slant (V/H or $\pm 45^\circ$) polarization, which makes them compatible with any single or dual polarized 2 x 2 MIMO radio and eliminates the risk of link strength degradation due to polarization mismatch.

Pasternack PEANFP1073 white flat panel antenna has a maximum input VSWR of 1.7:1. It has 100 W maximum power per port within which it has the ability to perform without damage. This antenna has dc ground lightning protection to protect the system from damage due to lightning strikes. This high-performance 23 dBi Wi-Fi 6 antenna is ideal for indoor or outdoor, point to point data links (PtP), point to multi-point data links (PtMP), Wi-Fi 5, Wi-Fi 6, unlicensed 5GHz and 6GHz bands, 5G bands - n46, n47, n96, n102, 2x2 MIMO capability and, high speed internet access applications.

Pasternack's experts are on hand to assist you with any inquiries. Order this PEANFP1073 MIMO flat panel antenna 7 days a week, 24 hours a day using our on-line ordering system with no MOQs (minimum order quantity) and same-day shipping.

Configuration

Design	Flat Panel
Band Type	Single
Radiation Pattern	Directional
Polarization	H/V or 45 Deg. Slant
Connector Type	N Female
Number of Ports	2
Lightning Protection	DC Gounded

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4900-6200 MHz, Flat Panel Antenna, 23 dBi gain, N Female Connector, 2 Ports, H/V or 45 Deg. Slant PEANFP1073](#)



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Frequency Range	4,900	6,200	MHz
Input VSWR		1.7:1	
Impedance	50		Ohms
Gain	23		dBi
Front to Back Ratio	23		dB
Horizontal (Azimuth) Beam Width	12		Degrees
Vertical (Elevation) Beam Width	12		Degrees
Input Power		100	Watts

Mechanical Specifications

Radome Material

UABS

Size

Overall Length

12.01 in [305.05 mm]

Width

12.01 in [305.05 mm]

Height

1.69 in [42.93 mm]

Mounting Mast Diameter

1.1811 to 2.1653 in [30.00 to 55.00 mm]

Weight

22.25 lbs [10.09 kg]

Environmental Specifications

Temperature

Operating Range

-40 to +60 deg C

Environment

Waterproof

Wind Loading

124.274 MPH [200 KPH]

Ingress Protection

IP-65

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

Plotted and Other Data

Notes:

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4900-6200 MHz, Flat Panel Antenna, 23 dBi gain, N Female Connector, 2 Ports, H/V or 45 Deg. Slant 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.

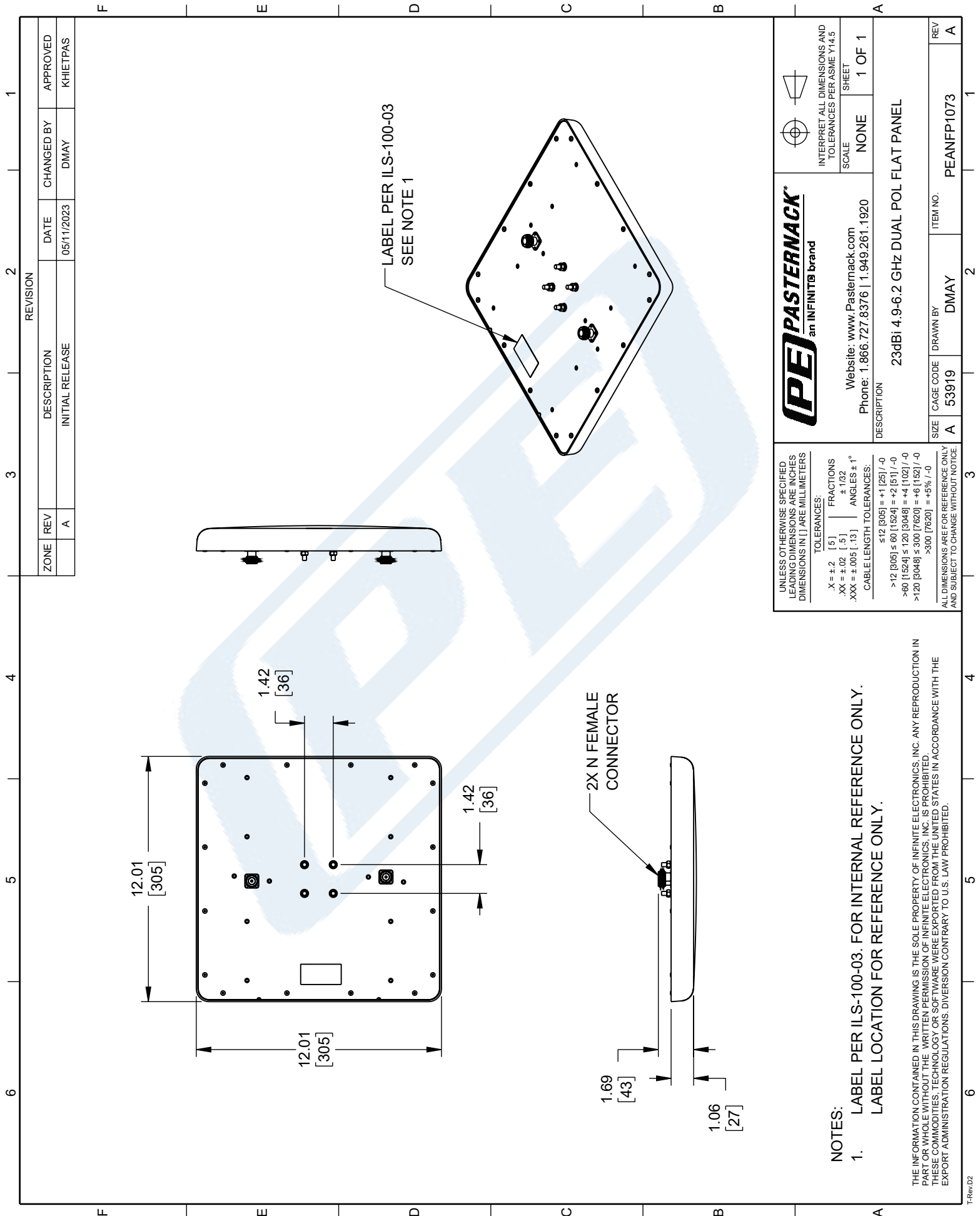
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4900-6200 MHz, Flat Panel Antenna, 23 dBi gain, N Female Connector, 2 Ports, H/V or 45 Deg. Slant PEANFP1073](https://www.pasternack.com/23-dbi-flat-panel-antenna-4900-6200-mhz-n-type-female-connector-peanfp1073-p.aspx)

URL: <https://www.pasternack.com/23-dbi-flat-panel-antenna-4900-6200-mhz-n-type-female-connector-peanfp1073-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.

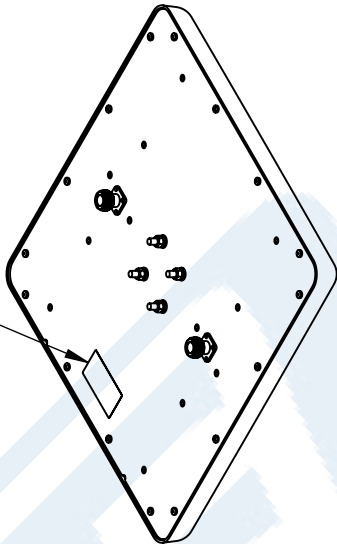
PEANFP1073 CAD Drawing

4900-6200 MHz, Flat Panel Antenna, 23 dBi gain, N Female Connector, 2 Ports, H/V or 45 Deg. Slant



REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	05/11/2023
		CHANGED BY	APPROVED
		DMAY	KHIETPAS





LABEL PER ILS-100-03
SEE NOTE 1

PE PASTERNAK an INFINITO brand	Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
	DESCRIPTION 23dBi 4:9-6.2 GHz DUAL POL FLAT PANEL		
SIZE A	CAGE CODE 53919	DRAWN BY DMAY	ITEM NO. PEANFP1073
			REV A

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

TOLERANCES:
.X = ±.2 [5] FRACTIONS
.XX = ±.02 [.5] ANGLES ± 1°
.XXX = ±.005 [.13] 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.

NOTES:

1. LABEL PER ILS-100-03. FOR INTERNAL REFERENCE ONLY.
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