



2400 to 2500 MHz RFID Flat Panel Antenna,  
RHCP, 8 dBi, White ABS, SMA Male

## Antennas Technical Data Sheet

**PEANFP1036**

### Features

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized
- 2.4 to 2.5 GHz Frequency Range
- SMA Male Connector

### Applications

- Radio Frequency Identification
- Inventory Management
- Access Control
- Data Collection
- Asset Tracking
- Livestock Management

### Description

Pasternack's PEANFP1036 is a RHCP RFID flat panel antenna. The PEANFP1036 with a 8 dBi gain nominal is a Directional antenna. Our 2400 to 2500 MHz antenna has SMA Male connector.

With an impedance of 50 Ohms and max input power of 50 Watts, the PEANFP1036 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 2400-2500 MHz 8 dBi gain RFID antenna is highly directional providing the reader radio the capabilities of simultaneously reading a multitude of RFID tags with a high degree of accuracy.

Pasternack's RFID PEANFP1036 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This SMA Male connectized Antenna has an overall length of 5 in, width of 5 in, and weighs 1.005 lbs. Use our on-line ordering system to purchase your PEANFP1036 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

### Configuration

Design	Flat Panel
Application Band	RFID
Band Type	Single
Radiation Pattern	Directional
Polarization	RHCP
Connector Type	SMA Male
Lightning Protection	Direct Ground

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		8		dBi
Horizontal (Azimuth) Beam Width		70		Degrees
Vertical (Elevation) Beam Width		70		Degrees
Input Power			50	Watts
Axial Ratio		3		dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2400 to 2500 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, SMA Male PEANFP1036](#)



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### Mechanical Specifications

Radome Material

ABS

#### Size

Overall Length

5 in [127 mm]

Width

5 in [127 mm]

Height

0.7 in [17.78 mm]

Weight

1.005 lbs [455.86 g]

### Environmental Specifications

#### Temperature

Operating Range

-40 to +55 deg C

Wind Loading

89.25 MPH [143.63 KPH]

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

### Plotted and Other Data

Notes:

2400 to 2500 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, SMA Male 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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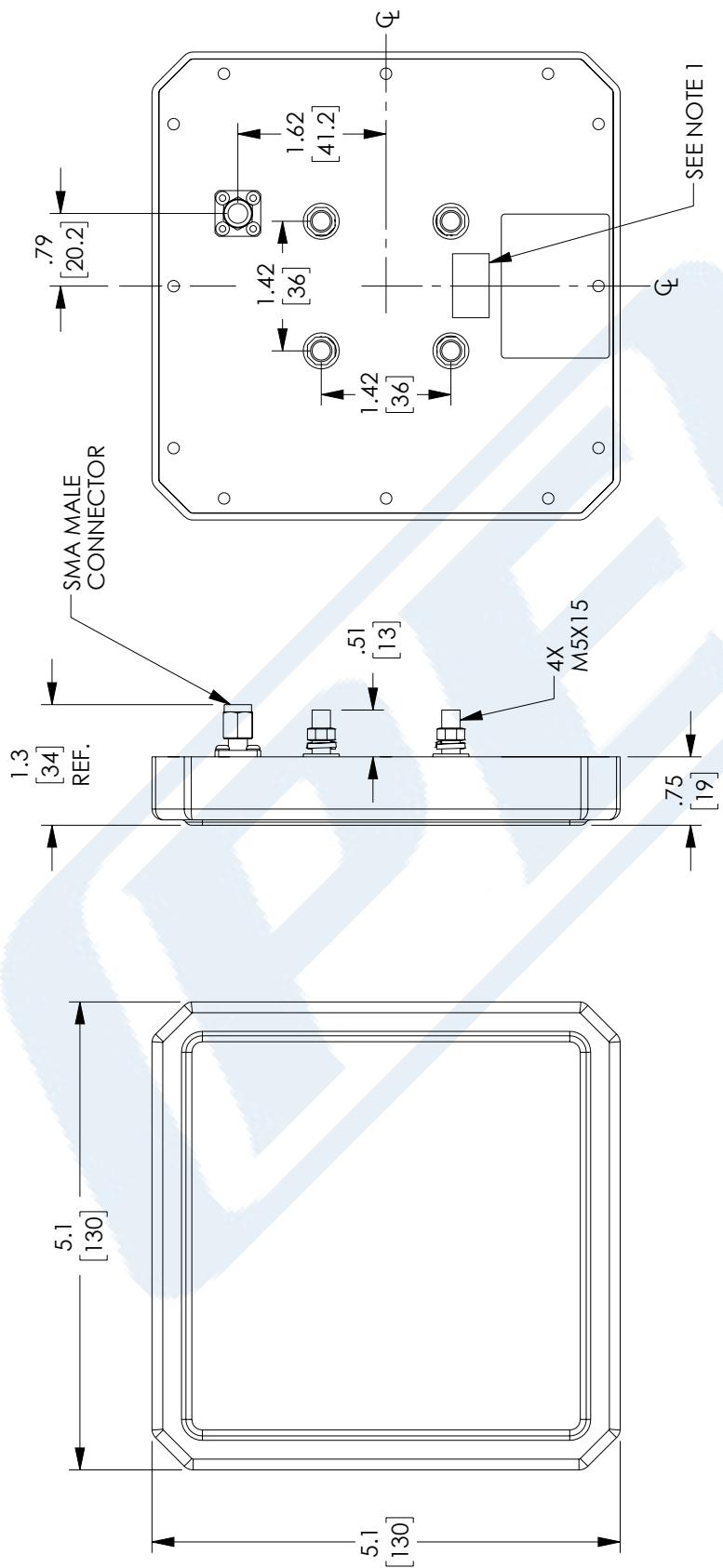
URL: <https://www.pasternack.com/8-dbi-flat-panel-antenna-2400-2500-mhz-sma-male-connector-peanfp1036-p.aspx>

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.

PEANFP1036 CAD Drawing

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/26/2022	KHIETPAS



## NOTES:

1. LABEL PER ILS-100-05 (FOR INTERNAL USE ONLY)  
[ABE] LOCATION SHOWN FOR REFERENCE ONLY

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		TOLERANCES:	
$X = \pm 2$ [0.08] $XX = \pm 0.02$ [0.51] $XXX = \pm 0.005$ [0.13]		FRACTIONS $\pm 1/32$ ANGLES $\pm 1^\circ$	
CABLE LENGTH (L) TOLERANCES:		ITEM NO.	
$L \leq 12$ [305] $< L \leq 60$ [1524] $< L \leq 120$ [3048] $< L \leq 300$ [7620]		DRAWN BY BPUCHASKI	
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$L \leq 12$ [305] $< L \leq 60$ [1524] $< L \leq 120$ [3048] $< L \leq 300$ [7620]		REV A	
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