

902 to 928 MHz RFID Flat Panel Antenna,  
RHCP, 8 dBi, White ABS, N Female, IP65



## Antennas Technical Data Sheet

**PEANFP1032**

### Features

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized

- 902 to 928 MHz Frequency Range
- Type N Female Connector
- IP65 Rated

### Applications

- Radio Frequency Identification
- Inventory Management
- Access Control

- Data Collection
- Asset Tracking
- Livestock Management

### Description

Pasternack's PEANFP1032 is a RHCP RFID flat panel antenna. The PEANFP1032 with a 8.5 dBi gain nominal is a Directional antenna. Our 902 to 928 MHz antenna has N Female connector and is IP65 Rated.

With an impedance of 50 Ohms and max input power of 50 Watts, the PEANFP1032 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 902-928 MHz 8.5 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 PEANFP1032 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This N Female connectized Antenna has an overall length of 7.5 in, width of 7.5 in, and weighs 1.05 lbs. Use our on-line ordering system to purchase your PEANFP1032 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

### Configuration

Design  
Application Band  
Band Type  
Radiation Pattern  
Polarization  
Connector Type  
Lightning Protection

Flat Panel  
RFID  
Single  
Directional  
RHCP  
N Female  
Direct Ground

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	902		928	MHz
Input VSWR			1.4:1	
Impedance	50			Ohms
Gain	8.5			dBi
Horizontal (Azimuth) Beam Width	65			Degrees
Vertical (Elevation) Beam Width	72			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: [902 to 928 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, N Female, IP65 PEANFP1032](#)

902 to 928 MHz RFID Flat Panel Antenna,  
RHCP, 8 dBi, White ABS, N Female, IP65



## Antennas Technical Data Sheet

**PEANFP1032**

### Mechanical Specifications

Radome Material

ABS

#### Size

Overall Length

7.5 in [190.5 mm]

Width

7.5 in [190.5 mm]

Height

1 in [25.4 mm]

Weight

1.05 lbs [476.27 g]

### Environmental Specifications

#### Temperature

-40 to +55 deg C

Operating Range

IP65

Ingress Protection

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

### Plotted and Other Data

Notes:

902 to 928 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, N Female, IP65 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: [902 to 928 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, N Female, IP65 PEANFP1032](#)

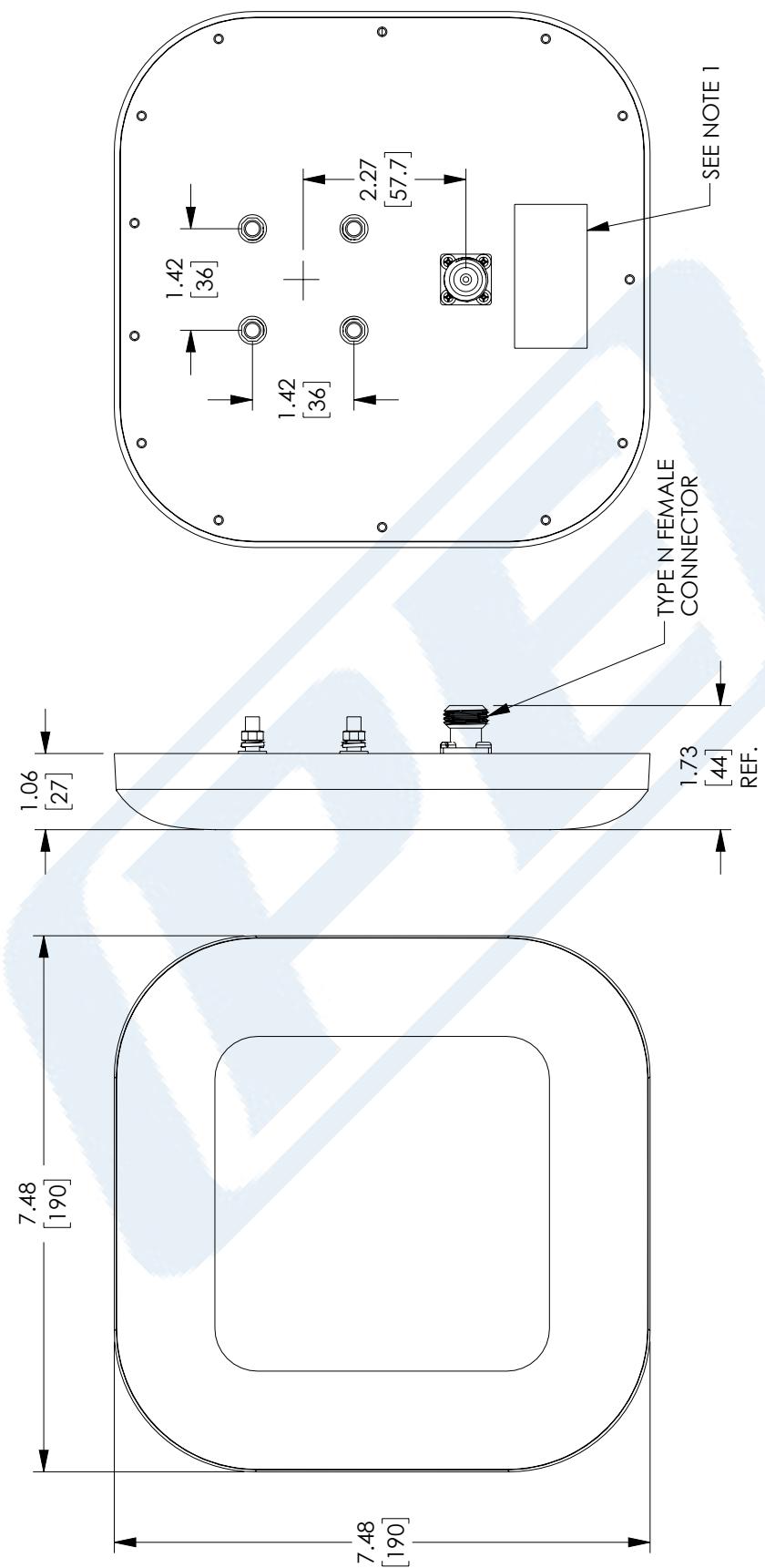
URL: <https://www.pasternack.com/8.5-dbi-flat-panel-antenna-902-928-mhz-n-type-female-connector-peanfp1032-p.aspx>

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.

# PEANFP1032 CAD Drawing

902 to 928 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, N Female, IP65

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



THIRD-ANGLE PROJECTION	
	
THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERACK CORPORATION. ALL RIGHTS RESERVED.	
SHEET 1 OF 1	
SCALE N/A	
ITEM NO. PEANFP1032	
REV A	

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

FRACTIONS  
 $X = \pm 2$  [5.08]       $\frac{1}{32}$   
 $XX = \pm .02$  [.51]       $\pm 1/32$   
 $XXX = \pm .005$  [.13]      ANGLES  $\pm 1^\circ$   
 CABLE LENGTH (L) TOLERANCES:  
 $L \leq 12$  [305]  $+1/125$  / -0  
 $12$  [305]  $< L \leq 60$  [1524]  $= +2$  [51] / -0  
 $60$  [1524]  $< L \leq 120$  [3048]  $= +4$  [102] / -0  
 $120$  [3048]  $< L \leq 300$  [7620]  $= +6$  [152] / -0  
 $300$  [7620]  $< L = +5\%$  / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.  
NOTES:  
 1. LABEL PER ILS-100-03 (FOR INTERNAL USE ONLY)  
 LABEL LOCATION SHOWN FOR REFERENCE ONLY  
 THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE  
 WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION, CONTRARY TO U.S. LAW PROHIBITED.