



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	Flat Panel
Application Band	RFID
Band Type	Single
Radiation Pattern	Directional
Polarization	RHCP
Connector Type	N Female
Lightning Protection	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](#)



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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

Operating Range

-40 to +55 deg C

Ingress Protection

IP65

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.

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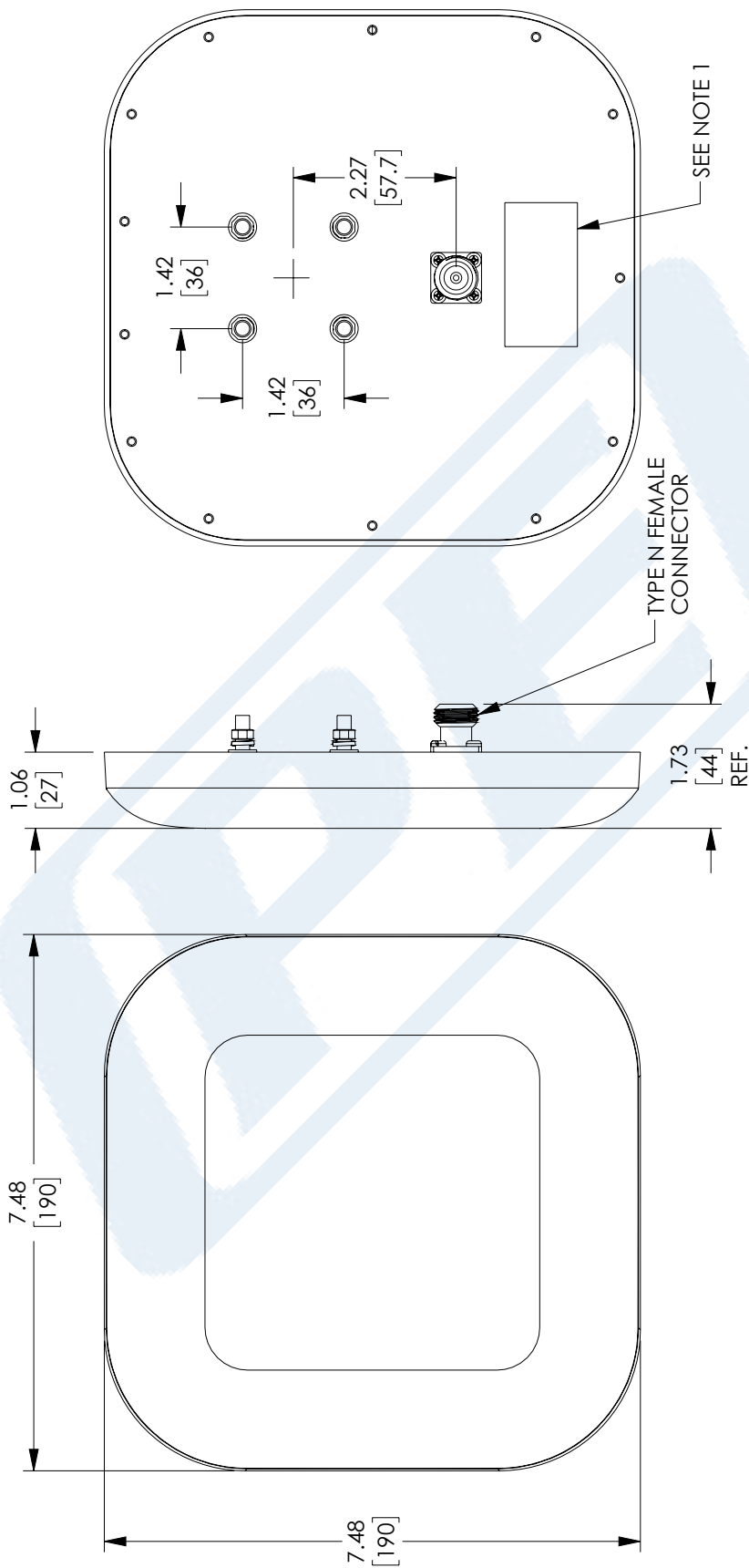
URL: <https://www.pasternack.com/8.5-dbi-flat-panel-antenna-902-928-mhz-n-type-female-connector-peanfp1032-p.aspx>

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

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



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

TOLERANCES:

.X = ±.2 [5.08] FRACTIONS
.XX = ±.02 [.51] ±.1/32

.XXX = ±.005 [.13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0

12 [305] < L ≤ 60 [1524] = +2 [51] / -0

60 [1524] < L ≤ 120 [3048] = +4 [102] / -0

120 [3048] < L ≤ 300 [7620] = +6 [152] / -0

300 [7620] < L = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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DESIGN IN THIS DOCUMENT
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SHEET 1 OF 1

SCALE N/A

REV

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PE PASTERNAK
an INFINITI brand

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ITEM NO.

PEANFP1032

SIZE

A

CAGE CODE

53919

DRAWN BY

BPUCHASKI

REV

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NOTES:

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

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