



2400 to 2500 MHz RFID Flat Panel Antenna,
 RHCP, 12 dBi, White ABS, N Female, IP67

Antennas Technical Data Sheet

PEANFP1035

Features

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized
- 2.4 to 2.5 GHz Frequency Range
- Type N Female Connector
- IP67 Rated

Applications

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

Description

Pasternack's PEANFP1035 is a RHCP RFID flat panel antenna. The PEANFP1035 with a 12 dBi gain nominal is a Directional antenna. Our 2400 to 2500 MHz antenna has N Female connector and is IP67 Rated.

With an impedance of 50 Ohms and max input power of 50 Watts, the PEANFP1035 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 2400-2500 MHz 12 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 PEANFP1035 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 8.5 in, width of 8.5 in, and weighs 0.952 lbs. Use our on-line ordering system to purchase your PEANFP1035 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	2,400		2,500	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		12		dBi
Horizontal (Azimuth) Beam Width		36		Degrees
Vertical (Elevation) Beam Width		36		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, 12 dBi, White ABS, N Female, IP67 PEANFP1035](#)



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Mechanical Specifications

Radome Material	ABS
Size	
Overall Length	8.5 in [215.9 mm]
Width	8.5 in [215.9 mm]
Height	1 in [25.4 mm]
Weight	0.952 lbs [431.82 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +55 deg C
Ingress Protection	IP67

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

Plotted and Other Data

Notes:

2400 to 2500 MHz RFID Flat Panel Antenna, RHCP, 12 dBi, White ABS, N Female, IP67 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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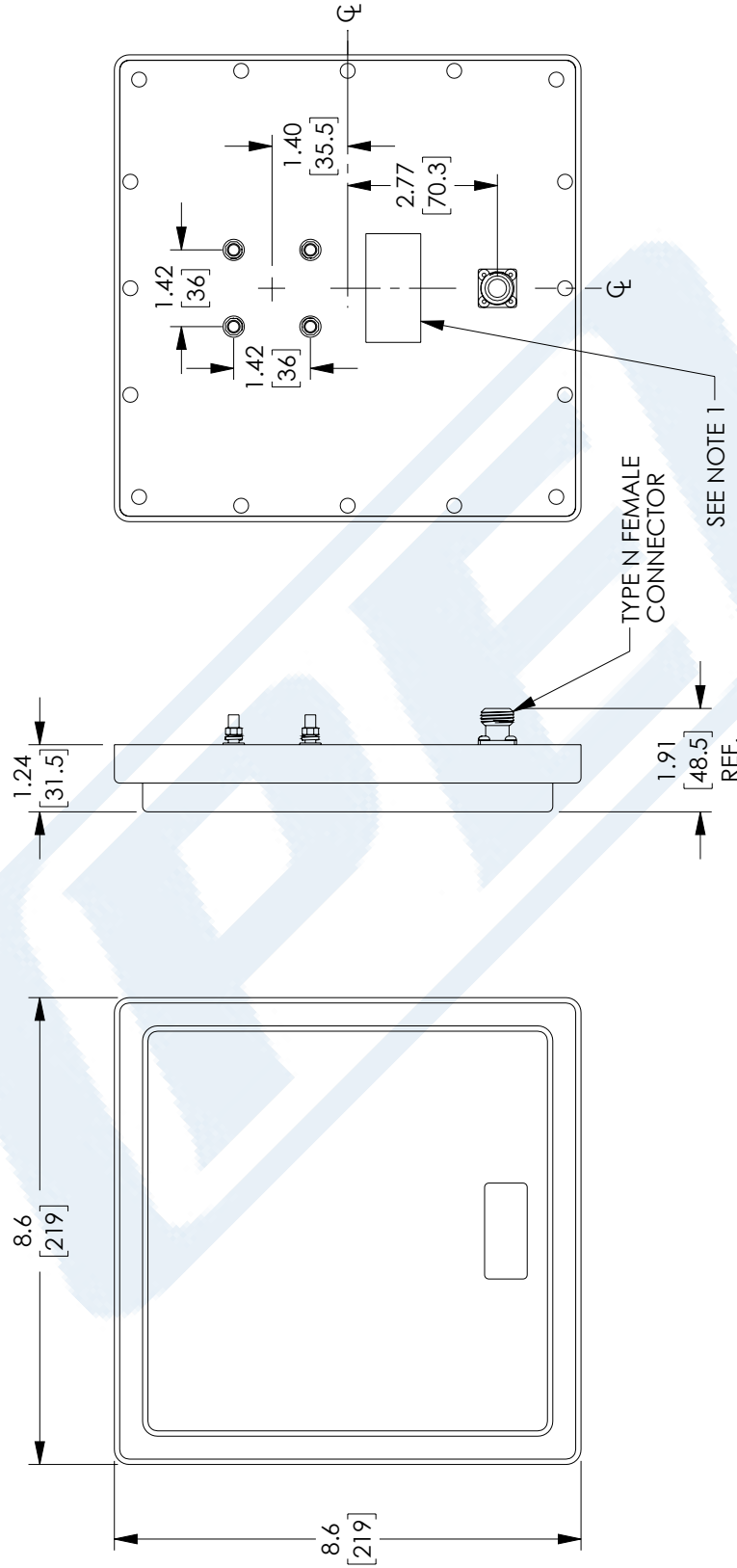
URL: <https://www.pasternack.com/12-dbi-flat-panel-antenna-2400-2500-mhz-n-type-female-connector-peanfp1035-p.aspx>

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.

PEANFP1035 CAD Drawing

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



NOTES:

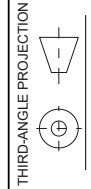
1. LABEL PER ILS-100-03 (FOR INTERNAL USE ONLY)
LABEL LOCATION SHOWN FOR REFERENCE ONLY

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.



Pasternack Enterprises, Inc.
 P.O. Box 16759, Irvine, CA 92623.
 Phone: 1.949.261.1920 | 1.866.727.8376
 Fax: 1.949.261.7451
 Website: www.pasternack.com
 E-mail: sales@pasternack.com



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SHEET 1 OF 1

SCALE N/A

REV A

ITEM NO. PEANFP1035

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