PASTERNACK
an INFINITE brand

902 to 928 MHz, RFID Flat Panel Antenna, 12 dBi Gain N-Type female, ABS Radome, RHCP

Antennas Technical Data Sheet PEANFP1021

Features

- High Performance Multi-tag read/write Capabilities
- Lightweight, Concealable Design
- Right Hand Circular Polarized
- 902 to 928 MHz Frequency Range
- Type N Female Connector

Applications

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

Description

Pasternack's PEANFP1021 is a Directional RFID flat panel RHCP antenna. The PEANFP1021 with a 12 dBi gain nominal is a Directional antenna. Our 902-928 MHz N-Type female connector, flat panel antenna has a gain of 12 dBi.

With an impedance of 50 Ohms and max input power of 20 Watts, the PEANFP1021 RFID flat panel is well suited for Radio Frequency Identification tag reading applications. Contact Pasternack's antenna experts for any assistance on 902-928 MHz, 12 dBi N-Type female connector antennas. This 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 PEANFP1021 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. RHCP flat panel antenna comes with mounting hardware and ABS radome. The included hardware along with Threaded female connector and ABS radome, makes installation effortless.

This N-Type connectized Antenna has an overall length of 15 in, width of 15 in, and weighs 4. lbs. Use our on-line ordering system to purchase your PEANFP1021 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	DC Grounded

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	902		928	MHz
Input VSWR			1.3:1	
Impedance		50		Ohms
Gain		12		dBi
Front to Back Ratio		17		dB
Horizontal (Azimuth) Beam Width		40		Degrees
Vertical (Elevation) Beam Width		38		Degrees

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, 12 dBi Gain N-Type female, ABS Radome, RHCP PEANFP1021

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Input Power	20	Watts

Mechanical Specifications

Radome Material	ABS

Size

Overall Length	15 in [381 mm]
Width	15 in [381 mm]
Height	1 in [25.4 mm]
Weight	0.256 lbs [116.12 g]

Environmental Specifications

Temperature

Operating Range	-40 to +60 deg C
Wind Loading	134.22 MPH [216.01 KPH]

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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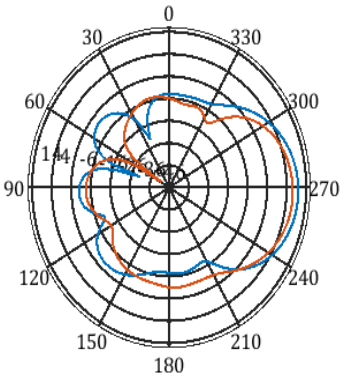
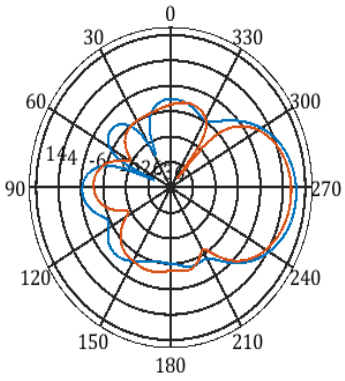


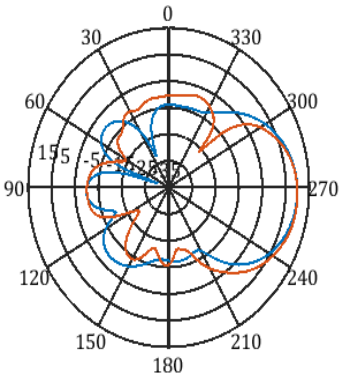
f=900MHz,X-Y Plane



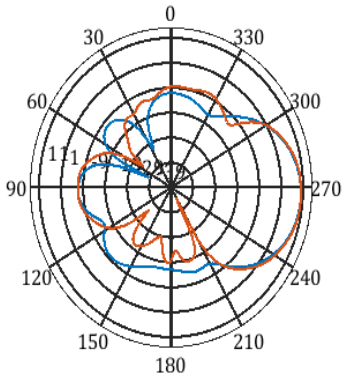
f=925MHz,X-Y Plane

2D Pattern: Co@2-cuts

2D Pattern: Co@2-cuts



f=900MHz,Co@2-cuts



f=925MHz,Co@2-cuts

2D Pattern: @phi=90(Vertical)

0

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902 to 928 MHz, RFID Flat Panel Antenna, 12 dBi Gain N-Type female, ABS Radome, RHCP 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-902-928-mhz-n-type-female-connector-peanfp1021-p.aspx

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PEANFP1021 CAD Drawing

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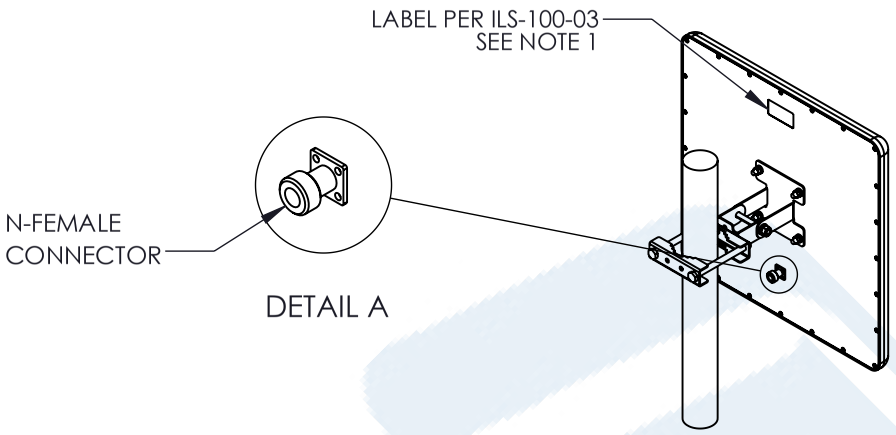
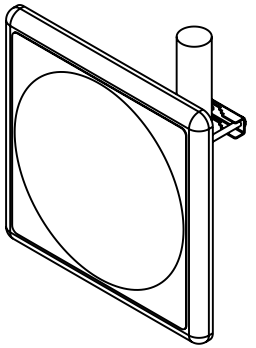
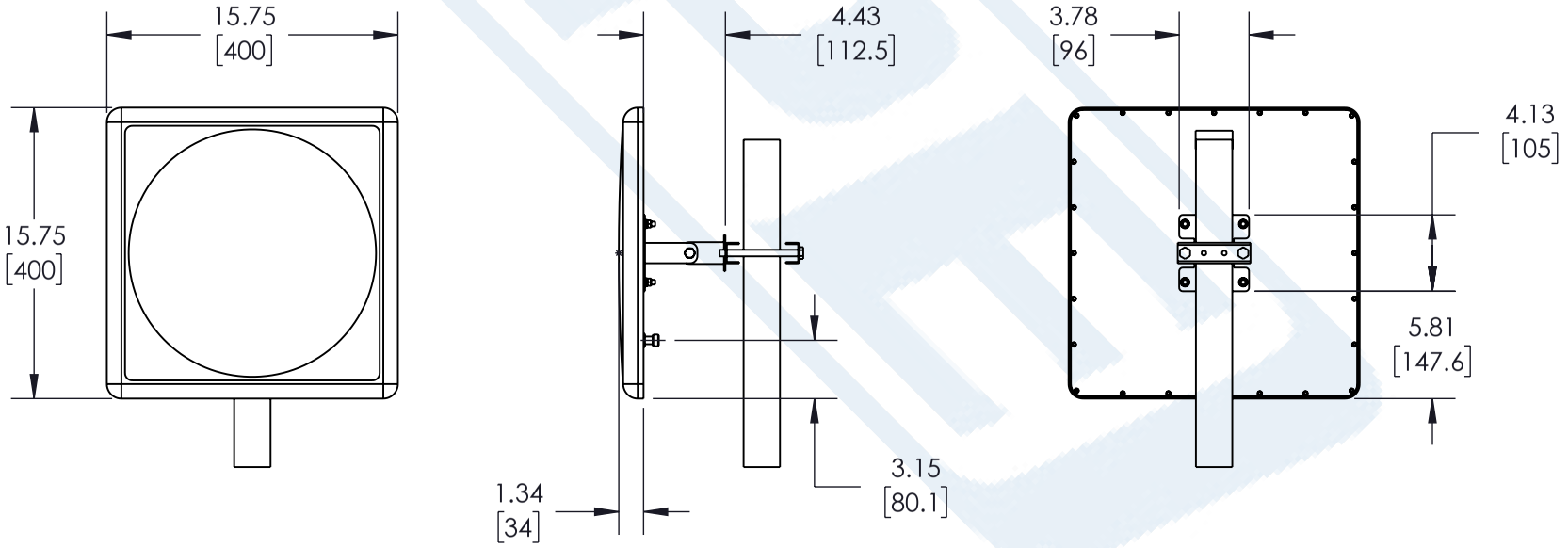
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/12/22	KHIETPAS







NOTES:

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

REGULATORY COMPLIANCE:

EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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.

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

TOLERANCES:

.X = ± .2 [5.08] | FRACTIONS ± 1/32
.XX = ± .02 [.51] | ANGLES ± 1°
.XXX = ± .005 [.13]

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.

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THIRD-ANGLE PROJECTION

SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	VTHANGARAJ	PEANFP1021	A