



902 to 928 MHz, RFID Flat Panel Antenna, 3 dBi
Gain RP TNC male, EVA Radome, RHCP

Antennas Technical Data Sheet

PEANFP1024

Features

- High Performance Multi-tag read/write Capabilities
- Lightweight, Concealable Design
- Right Hand Circular Polarized
- 902 to 928 MHz Frequency Range
- 2 Meter Cable
- RP TNC Male Connector

Applications

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

Description

Pasternack's PEANFP1024 is a Directional RFID flat panel RHCP antenna. The PEANFP1024 with a 3 dBi gain nominal is a Directional antenna. Our 902-928 MHz RP TNC male connector, flat panel antenna has a gain of 3 dBi.

With an impedance of 50 Ohms and max input power of 20 Watts, the PEANFP1024 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, 3 dBi RP TNC male connector antennas. This 3 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 PEANFP1024 has a radome made of EVA in Black color and comes from a facility certified to ISO 9001:2015.

This Reverse Polarity TNC connectized Antenna has an overall length of 11 in, width of 10 in, and weighs 0.4629 lbs. Use our on-line ordering system to purchase your PEANFP1024 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
Cable Type	RG316
Connector Type	TNC Male Reverse Polarity
Lightning Protection	DC Grounded

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	902		928	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		3		dBi
Front to Back Ratio		20		dB
Horizontal (Azimuth) Beam Width		50		Degrees
Vertical (Elevation) Beam Width		62		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, 3 dBi Gain RP TNC male, EVA Radome, RHCP PEANFP1024](#)



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Input Power	20	Watts
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Mechanical Specifications

Radome Material

EVA

Size

Overall Length

11 in [279.4 mm]

Width

10 in [254 mm]

Height

0.19 in [4.83 mm]

Weight

0.384 lbs [174.18 g]

Environmental Specifications

Temperature

Operating Range

-20 to +65 deg C

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

Plotted and Other Data

Notes:

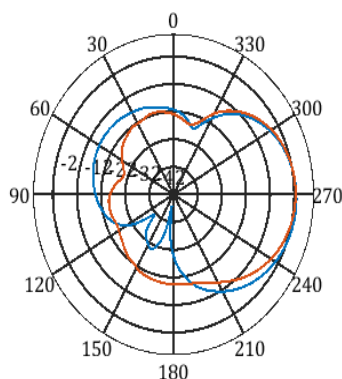
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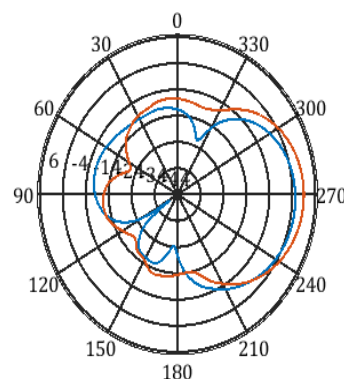
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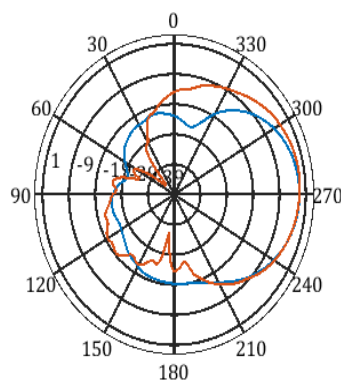
f=900MHz, X-Y Plane



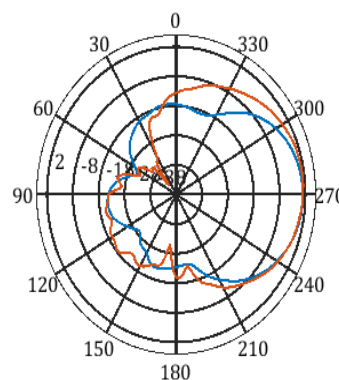
f=910MHz, X-Y Plane

2D Pattern: Co@2-cuts

2D Pattern: Co@2-cuts



f=900MHz, Co@2-cuts



f=910MHz, Co@2-cuts

2D Pattern: @phi=90(Vertical)

2D Pattern: @phi=90(Vertical)

n

n

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902 to 928 MHz, RFID Flat Panel Antenna, 3 dBi Gain RP TNC male, EVA 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.

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, 3 dBi Gain RP TNC male, EVA Radome, RHCP PEANFP1024](https://www.pasternack.com/3-dbi-flat-panel-antenna-902-928-mhz-reverse-polarity-tnc-male-connector-peanfp1024-p.aspx)

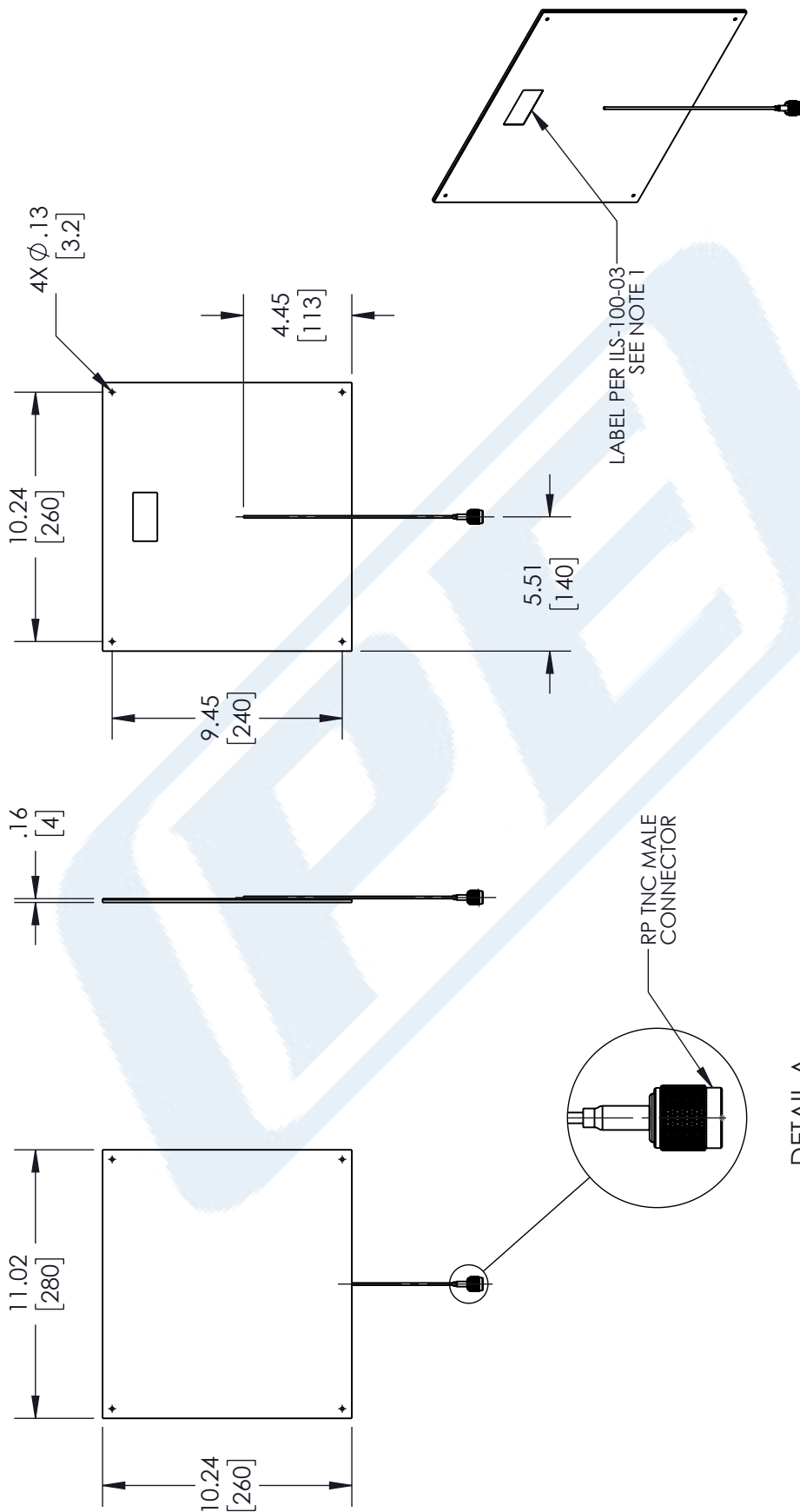
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PEANFP1024 CAD Drawing

902 to 928 MHz, RFID Flat Panel Antenna, 3 dBi Gain RP TNC male, EVA Radome, RHCP

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/17/22	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 [508] 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% / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

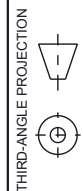


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SIZE A CAGE CODE 53919 DRAWN BY VTHANGARAJ ITEM NO. PEANFP1024

SCALE N/A SHEET 1 OF 1

REV A



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