



902 to 928 MHz, RFID Flat Panel Antenna, 12 dBi
Gain RP TNC male, PVC Radome, RHCP

Antennas Technical Data Sheet

PEANFP1029

Features

- High Performance Multi-tag read/write Capabilities
- 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 PEANFP1029 is a Directional RFID flat panel RHCP antenna. The PEANFP1029 with a 12 dBi gain nominal is a Directional antenna. Our 902-928 MHz RP TNC male connector, flat panel antenna has a gain of 12 dBi.

With an impedance of 50 Ohms and max input power of 20 Watts, the PEANFP1029 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 RP TNC male 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 PEANFP1029 has a radome made of PVC in White color and comes from a facility certified to ISO 9001:2015.

This Reverse Polarity TNC connectized Antenna has an overall length of 36 in, width of 6 in, and weighs 4.85 lbs. Use our on-line ordering system to purchase your PEANFP1029 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	RG142
Connector Type	TNC Male Reverse Polarity
Lightning Protection	DC Grounded

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	902		928	MHz
Input VSWR			1.3:1	
Impedance		50		Ohms
Gain		12		dBi
Front to Back Ratio		20		dB
Horizontal (Azimuth) Beam Width		80		Degrees
Vertical (Elevation) Beam Width		18		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 RP TNC male, PVC Radome, RHCP PEANFP1029](#)



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Input Power

20

Watts

Mechanical Specifications

Radome Material

PVC

Size

Overall Length

36 in [914.4 mm]

Width

6 in [152.4 mm]

Height

1 in [25.4 mm]

Weight

0.385 lbs [174.63 g]

Environmental Specifications

Temperature

Operating Range

-40 to +60 deg C

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

Plotted and Other Data

Notes:

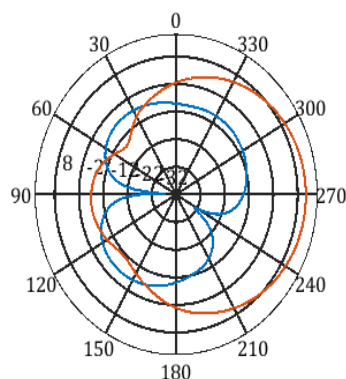
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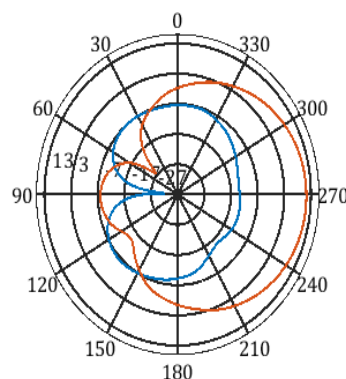


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PEANFP1029



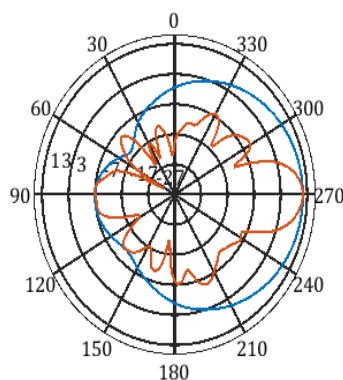
f=900MHz, X-Y Plane



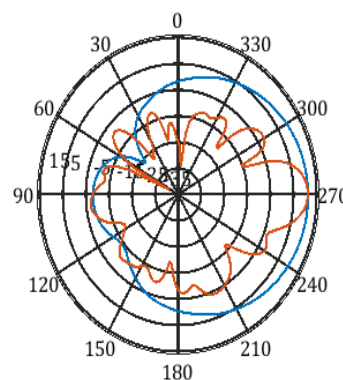
f=925MHz, X-Y Plane

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)

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902 to 928 MHz, RFID Flat Panel Antenna, 12 dBi Gain RP TNC male, PVC 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, 12 dBi Gain RP TNC male, PVC Radome, RHCP PEANFP1029](https://www.pasternack.com/12-dbi-flat-panel-antenna-902-928-mhz-reverse-polarity-tnc-male-connector-pean-fp1029-p.aspx)

URL: <https://www.pasternack.com/12-dbi-flat-panel-antenna-902-928-mhz-reverse-polarity-tnc-male-connector-pean-fp1029-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.

PEANFP1029 CAD Drawing

902 to 928 MHz, RFID Flat Panel Antenna, 12 dBi Gain

RP TNC male, PVC Radome, RHCP

