

902 to 928 MHz, RFID Flat Panel Antenna, 9 dBi
Gain, Type N Male, ABS Radome, RHCP



Antennas Technical Data Sheet

PEANFP1069

Features

- High Performance Multi-tag read/write Capabilities
- Lightweight, Concealable Design
- Right Hand Circular Polarized

- 902 to 928 MHz Frequency Range
- 2 Meter Cable
- Type N Male Connector

Applications

- Radio Frequency Identification
- Inventory Management
- Access Control

- Data Collection
- Asset Tracking
- Livestock Management

Description

Pasternack's PEANFP1069 is a RHCP RFID flat panel antenna. The PEANFP1069 with a 9 dBi gain nominal is a Directional antenna. Our 902 to 928 MHz antenna has N Male connector.

With an impedance of 50 Ohms and max input power of 20 Watts, the PEANFP1069 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 902-928 MHz 9 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 PEANFP1069 has a radome made of ABS in Off-White color and comes from a facility certified to ISO 9001:2015. This N Male connectized Antenna has an overall length of 5.7 in, width of 5.7 in, and weighs 1.65 lbs. Use our on-line ordering system to purchase your PEANFP1069 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	N Male
Connector Type Specification	MIL-STD-348
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	9			dBi
Front to Back Ratio	17			dB
Horizontal (Azimuth) Beam Width	60			Degrees
Vertical (Elevation) Beam Width	55			Degrees
Input Power			20	Watts

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, 9 dBi Gain, Type N Male, ABS Radome, RHCP PEANFP1069](#)

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Mechanical Specifications

Radome Material

ABS

Size

Overall Length
Width
Height
Weight

5.7 in [144.78 mm]
5.7 in [144.78 mm]
1 in [25.4 mm]
1.65 lbs [748.43 g]

Connectors

Description	Connector 1	Connector 2	Connector 3
Inner Conductor Material and Plating	Brass, Silver		
Body Material and Plating	Brass, Nickel		

Environmental Specifications

Temperature

Operating Range
Ingress Protection

-40 to +60 deg C
IP67

Compliance Certifications

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

Plotted and Other Data

Notes:

902 to 928 MHz, RFID Flat Panel Antenna, 9 dBi Gain, Type N Male, 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/9-dbi-flat-panel-antenna-902-928-mhz-n-type-male-connector-peanfp1069-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.

PEANFP1069 CAD Drawing

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