



902 to 928 MHz RFID Flat Panel Antenna, RHCP, 9 dBi, White ABS, RP SMA Male, IP54

Antennas Technical Data Sheet

PEANFP1063

Features

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized
- 902 to 928 MHz Frequency Range
- RP SMA Male Connector
- IP54 Rated

Applications

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

Description

Pasternack's PEANFP1063 is a RHCP RFID flat panel antenna. The PEANFP1063 with a 9 dBi gain nominal is a Directional antenna. Our 902 to 928 MHz antenna has Reverse Polarity SMA Male connector.

With an impedance of 50 Ohms and max input power of 50 Watts, the PEANFP1063 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 PEANFP1063 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This RP SMA Male connectized Antenna has an overall length of 10 in, width of 10 in, and weighs 1.87 lbs. Use our on-line ordering system to purchase your PEANFP1063 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	SMA 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		9		dBi
Horizontal (Azimuth) Beam Width		65		Degrees
Vertical (Elevation) Beam Width		65		Degrees
Input Power			50	Watts
Axial Ratio		2		dB

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, RHCP, 9 dBi, White ABS, RP SMA Male, IP54 PEANFP1063](#)



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Mechanical Specifications

Radome Material	ABS
Size	
Overall Length	10 in [254 mm]
Width	10 in [254 mm]
Height	1.3 in [33.02 mm]
Weight	1.87 lbs [848.22 g]

Connectors

Description	Connector 1	Connector 2	Connector 3
Inner Conductor Material and Plating	Beryllium Copper, Gold		
Inner Conductor Plating Specification	QQ-C-530		
Coupling Nut Plating Specification	QQ-B-626		
Body Material and Plating	Brass, Nickel		
Body Plating Specification	QQ-B-626		

Environmental Specifications

Temperature

Operating Range	-40 to +55 deg C
Ingress Protection	IP54

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

Plotted and Other Data

Notes:

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902 to 928 MHz RFID Flat Panel Antenna, RHCP, 9 dBi, White ABS, RP SMA Male, IP54 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.

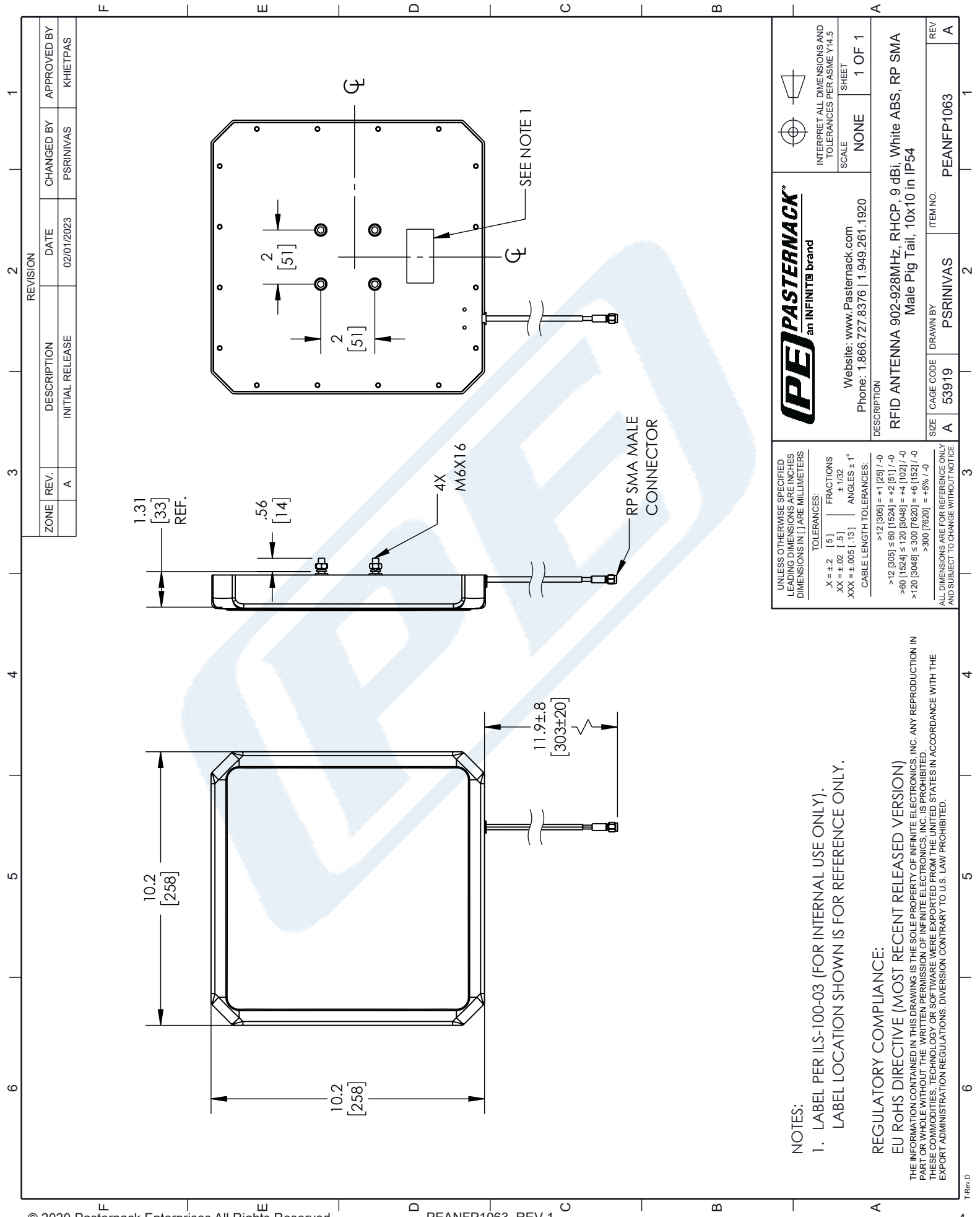
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [902 to 928 MHz RFID Flat Panel Antenna, RHCP, 9 dBi, White ABS, RP SMA Male, IP54 PEANFP1063](https://www.pasternack.com/9-dbi-flat-panel-antenna-902-928-mhz-reverse-polarity-sma-male-connector-peanfp1063-p.aspx)

URL: <https://www.pasternack.com/9-dbi-flat-panel-antenna-902-928-mhz-reverse-polarity-sma-male-connector-peanfp1063-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.

PEANFP1063 CAD Drawing

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REVISION		DESCRIPTION	DATE	CHANGED BY	APPROVED BY
ZONE	REV.	INITIAL RELEASE	02/01/2023	PSRINIVAS	KHIETPAS
	A				

PE PASTERNAK
an INFINITI[®] brand

Website: www.Pasternack.com
Phone: 1.866.727.8376 | 1.949.261.1920

DESCRIPTION
RFID ANTENNA 902-928MHz, RHCP, 9 dBi, White ABS, RP SMA Male Pig Tail, 10x10 in IP54

SCALE NONE SHEET 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

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

TOLERANCES:
X = ±.2 [5] | FRACTIONS ±.02 [.5] | ±.1/32
XXX = ±.005 [.13] | ANGLES ± 1°

CABLE LENGTH TOLERANCES:
>12 [305] = +1 [25] / -0
>12 [305] ≤ 60 [1524] = +2 [51] / -0
>60 [1524] ≤ 120 [3048] = +4 [102] / -0
>120 [3048] ≤ 300 [7620] = +6 [152] / -0
>300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTES:

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

REGULATORY COMPLIANCE:

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SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	PSRINIVAS	PEANFP1063	A

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