

**902 to 928 MHz RFID Flat Panel Antenna, RHCP,
9 dBi, White ABS, N Female, IP54**

Fairview Microwave's FMANFP1033 is a RHCP RFID flat panel antenna. The FMANFP1033 with a 9 dBi gain nominal is a Directional antenna. Our 902 to 928 MHz antenna has N Female connector and is IP54 Rated.

With an impedance of 50 Ohms and max input power of 50 Watts, the FMANFP1033 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.

Fairview's RFID FMANFP1033 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This N Female connectized Antenna has an overall length of 10 in, width of 10 in, and weighs 1.05 lbs. Use our on-line ordering system to purchase your FMANFP1033 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Flat Panel
Gain	9
Polarization	RHCP
Connector Type	N Female
Lightning Protection	Direct Ground

Electrical Specifications

Description	Min	Typ	Max	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

Mechanical Specifications

Radome Material	ABS
Size	
Length	10 in [254 mm]
Width	10 in [254 mm]
Height	1.3 in [33.02 mm]
Weight	1.554 lbs [704.88 g]

Environmental Specifications

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


Features:

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

Applications:

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

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

Plotted and Other Data

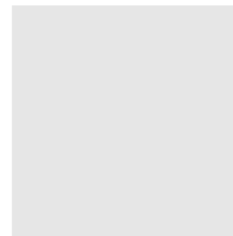
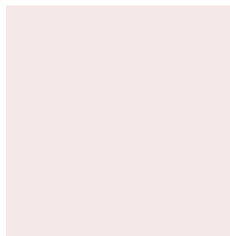
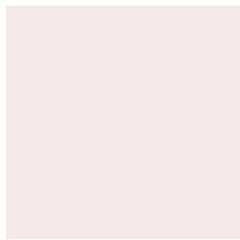
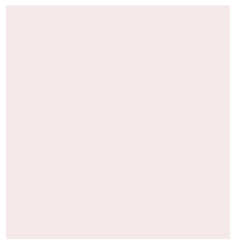
Notes:

902 to 928 MHz RFID Flat Panel Antenna, RHCP, 9 dBi, White ABS, N Female, IP54 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

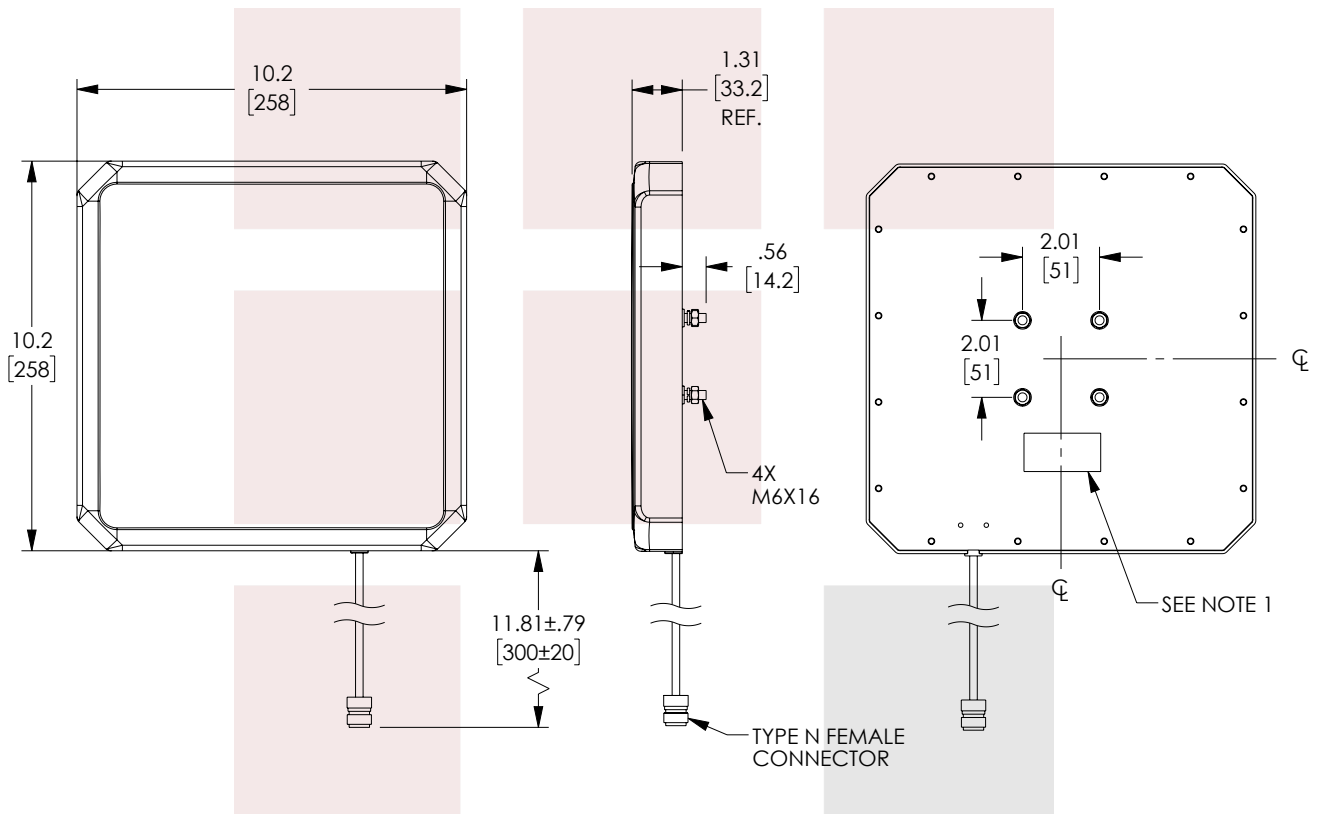
For additional information on this product, please click the following link: [902 to 928 MHz RFID Flat Panel Antenna, RHCP, 9 dBi, White ABS, N Female, IP54 FMANFP1033](#)

URL: <https://www.fairviewmicrowave.com/9-dbi-flat-panel-antenna-902-928-mhz-n-type-connector-fmanfp1033-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/26/2022	KHIETPAS



NOTES:

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

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TITLE

902 to 928 MHz RFID Flat Panel Antenna, RHCP, 9 dBi,
White ABS, N Female, IP54

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

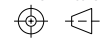
TOLERANCES:

.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

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FMANFP1033	REV A
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T-Rev.D