

# FMANFP1031 DATA SHEET

# 902 to 928 MHz RFID Flat Panel Antenna, RHCP, 6 dBi, White ABS, SMA Female, IP65

Fairview Microwave's FMANFP1031 is a RHCP RFID flat panel antenna. The FMANFP1031 with a 6 dBi gain nominal is a Directional antenna. Our 902 to 928 MHz antenna has SMA Female connector and is IP65 Rated.

With an impedance of 50 Ohms and max input power of 50 Watts, the FMANFP1031 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 902-928 MHz 6 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 FMANFP1031 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This SMA Female connectized Antenna has an overall length of 5 in, width of 5 in, and weighs 1.001 lbs. Use our on-line ordering system to purchase your FMANFP1031 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).



Design Flat Panel
Gain 6
Polarization RHCP
Connector Type SMA Female
Lightning Protection Direct Ground

## **Electrical Specifications**

Description	Min	Тур	Max	Units
Frequency Range	902		928	MHz
Input VSWR			1.3:1	
Impedance		50		Ohms
Gain		6		dBi
Horizontal (Azimuth) Bea	am Width	106		Degrees
Vertical (Elevation) Bear	n Width	106		Degrees
Input Power			50	Watts
Axial Ratio		2		dB

### **Mechanical Specifications**

Radome Material ABS

Size

 Length
 5 in [127 mm]

 Width
 5 in [127 mm]

 Height
 0.7 in [17.78 mm]

 Weight
 0.662 lbs [300.28 g]

# **Environmental Specifications**

Temperature

Operating Range -40 to +55 deg C

Ingress Protection IP65



#### **Features:**

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized
- 902 to 928 MHz Frequency Range
- SMA Female Connector
- IP65 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, 6 dBi, White ABS, SMA Female, IP65 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, 6 dBi, White ABS, SMA Female, IP65 FMANFP1031

URL: https://www.fairviewmicrowave.com/6-dbi-flat-panel-antenna-902-928-mhz-sma-connector-fmanfp1031-p.aspx

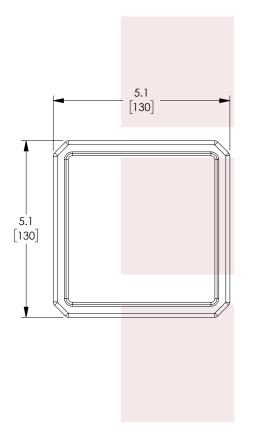
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to 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.

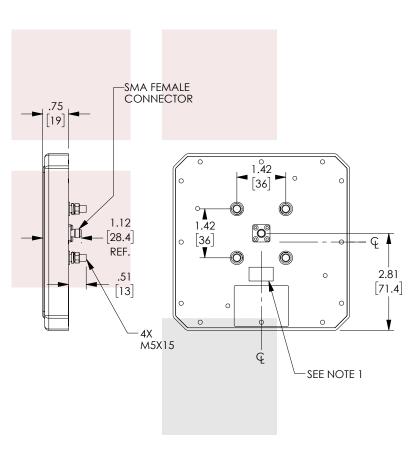
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REVISIONS					
REV.	DESCRIPTION	DATE	APPROVED		
Α	INITIAL RELEASE	07/26/2022	KHIETPAS		





#### NOTES:

1. LABEL PER ILS-100-05 (FOR INTERNAL USE ONLY) LABEL LOCATION SHOWN FOR REFERENCE ONLY

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS THIRD-ANGLE PROJECTION ■■■ Fairview Microwave  $\bigoplus$ TOLERANCES: CABLE LENGTH (L) TOLERANCES: THE INFORMATION AND an INFINITe brand DESIGN IN THIS DOCUMENT
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FAIRVIEW MICROWAVE CORPORATION
ALL RIGHTS RESERVED. I ≤ 12 [305] = +1 [25] / -0 .X = ±.2 [5.08] FRACTIONS 12 [305] < L < 60 [1524] = +2 [51] / -0 60 [1524] < L < 120 [3048] = +4 [102] / -0 120 [3048] < L < 300 [7620] = +6 [152] / -0 TITLE .XX = ±.02 [.51] .XXX = ±.005 [ .13 ] ANGLES ± 1° OF 902 to 928 MHz RFID Flat Panel Antenna, RHCP, 6 dBi, 300 [7620] < L = +5%L / -0 White ABS, SMA Female, IP65 ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. N/A CAGE CODE 3FKR5 SIZE REV BPUCHASKI FMANFP1031

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