

2400 to 2500 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, SMA Male

Fairview Microwave's FMANFP1036 is a RHCP RFID flat panel antenna. The FMANFP1036 with a 8 dBi gain nominal is a Directional antenna. Our 2400 to 2500 MHz antenna has SMA Male connector.

With an impedance of 50 Ohms and max input power of 50 Watts, the FMANFP1036 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 2400-2500 MHz 8 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 FMANFP1036 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This SMA Male connectized Antenna has an overall length of 5 in, width of 5 in, and weighs 1.005 lbs. Use our on-line ordering system to purchase your FMANFP1036 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Flat Panel
Gain	8
Polarization	RHCP
Connector Type	SMA Male
Lightning Protection	Direct Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		8		dBi
Horizontal (Azimuth) Beam Width		70		Degrees
Vertical (Elevation) Beam Width		70		Degrees
Input Power			50	Watts
Axial Ratio		3		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	0.638 lbs [289.39 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +55 deg C
Wind Loading	89.25 MPH [143.63 KPH]



Features:

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized
- 2.4 to 2.5 GHz Frequency Range
- SMA Male Connector

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:

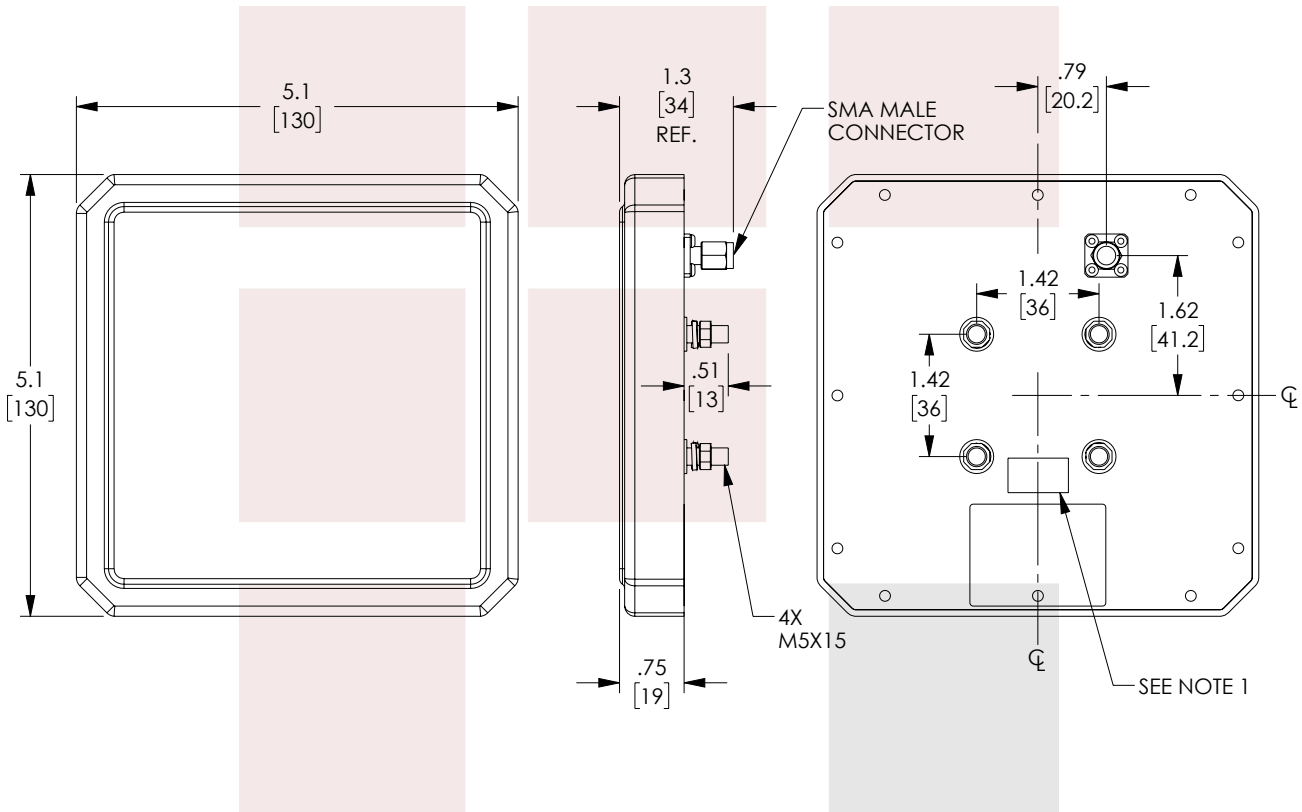
2400 to 2500 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, SMA Male from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [2400 to 2500 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, SMA Male FMANFP1036](#)

URL: <https://www.fairviewmicrowave.com/8-dbi-flat-panel-antenna-2400-2500-mhz-sma-connector-fmanfp1036-p.aspx>

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	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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 Fairview Microwave an INFINITE® brand	UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS		THIRD-ANGLE PROJECTION 			
	TOLERANCES: .X = ±.2 [5.08] FRACTIONS ± 1/32 .XX = ±.02 [.51] ± 1/32 .XXX = ±.005 [.13] ANGLES ± 1°	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			THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.	
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TITLE 2400 to 2500 MHz RFID Flat Panel Antenna, RHCP, 8 dBi, White ABS, SMA Male	SIZE A	CAGE CODE 3FKR5	DRAWN BY BPUCHASKI	ITEM NO. FMANFP1036	REV A	

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