

**2400 to 2500 MHz RFID Flat Panel Antenna, RHCP,
12 dBi, White ABS, N Female, IP67**

Fairview Microwave's FMANFP1035 is a RHCP RFID flat panel antenna. The FMANFP1035 with a 12 dBi gain nominal is a Directional antenna. Our 2400 to 2500 MHz antenna has N Female connector and is IP67 Rated.

With an impedance of 50 Ohms and max input power of 50 Watts, the FMANFP1035 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 2400-2500 MHz 12 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 FMANFP1035 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 8.5 in, width of 8.5 in, and weighs 0.952 lbs. Use our on-line ordering system to purchase your FMANFP1035 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Flat Panel
Gain	12
Polarization	RHCP
Connector Type	N Female
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		12		dBi
Horizontal (Azimuth) Beam Width		36		Degrees
Vertical (Elevation) Beam Width		36		Degrees
Input Power			50	Watts
Axial Ratio		3		dB

Mechanical Specifications

Radome Material	ABS
Size	
Length	8.5 in [215.9 mm]
Width	8.5 in [215.9 mm]
Height	1 in [25.4 mm]
Weight	1.192 lbs [540.68 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +55 deg C
Ingress Protection	IP67



Features:

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized
- 2.4 to 2.5 GHz Frequency Range
- Type N Female Connector
- IP67 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:

2400 to 2500 MHz RFID Flat Panel Antenna, RHCP, 12 dBi, White ABS, N Female, IP67 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, 12 dBi, White ABS, N Female, IP67 FMANFP1035](#)

URL: <https://www.fairviewmicrowave.com/12-dbi-flat-panel-antenna-2400-2500-mhz-n-type-connector-fmanfp1035-p.aspx>

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