

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).

Configuration

Design	Flat Panel
Gain	6
Polarization	RHCP
Connector Type	SMA 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		6		dBi
Horizontal (Azimuth) Beam Width		106		Degrees
Vertical (Elevation) Beam 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

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

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>

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