

902 to 928 MHz RFID Flat Panel Antenna, RHCP, 9 dBi, White ABS, SMA Male, IP54

Fairview Microwave's FMANFP1054 is a RHCP RFID flat panel antenna. The FMANFP1054 with a 9 dBi gain nominal is a Directional antenna. Our 902 to 928 MHz antenna has SMA Male connector.

With an impedance of 50 Ohms and max input power of 50 Watts, the FMANFP1054 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 Microwave's RFID FMANFP1054 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This SMA Male connected Antenna has an overall length of 10 in, width of 10 in, and weighs 1.87 lbs. Use our on-line ordering system to purchase your FMANFP1054 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	SMA Male
Connector Type Specification	MIL-STD-348A
Lightning Protection	DC Grounded

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	1.87 lbs [848.22 g]
Connector 1	
Inner Conductor Material and Plating	Brass, Gold
Inner Conductor Plating Specification	50 µin minimum
Coupling Nut Material and Plating	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum
Hex Size	5/16 inch



Features:

- High Performance Multi-tag read/write Capabilities
- Concealable Design
- Right Hand Circular Polarized
- 902 to 928 MHz Frequency Range
- SMA Male Connector
- IP54 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

Body Material and Plating Brass, Nickel
Body Plating Specification 100 µin minimum

Environmental Specifications

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

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, SMA Male, 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, SMA Male, IP54 FMANFP1054](#)

URL: <https://www.fairviewmicrowave.com/9-dbi-flat-panel-antenna-902-928-mhz-sma-connector-fmanfp1054-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.

