

902 to 928 MHz, RFID Flat Panel Antenna, 12 dBi Gain SMA Male, PVC Radome, RHCP

Fairview Microwave's FMANFP1053 is a RHCP RFID flat panel antenna. The FMANFP1053 with a 12 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 20 Watts, the FMANFP1053 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 902-928 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 Microwave's RFID FMANFP1053 has a radome made of PVC in White color and comes from a facility certified to ISO 9001:2015. This SMA Male connectized Antenna has an overall length of 36 in, width of 6 in, and weighs 4.85 lbs. Use our on-line ordering system to purchase your FMANFP1053 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
Cable Type	RG142
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		12		dBi
Front to Back Ratio		20		dB
Horizontal (Azimuth) Beam Width		80		Degrees
Vertical (Elevation) Beam Width		18		Degrees
Input Power			20	Watts

Mechanical Specifications

Radome Material	PVC
Size	
Length	36 in [914.4 mm]
Width	6 in [152.4 mm]
Height	1 in [25.4 mm]
Weight	4.85 lbs [2.2 kg]

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



Features:

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

Applications:

- Radio Frequency Identification
- Inventory Management
- Access Control
- Data Collection
- Asset Tracking
- Livestock Management

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Hex Size	5/16 inch
Body Material and Plating	Brass, Nickel
Body Plating Specification	100 µin minimum

Environmental Specifications

Temperature

Operating Range -40 to +60 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

902 to 928 MHz, RFID Flat Panel Antenna, 12 dBi Gain SMA Male, PVC Radome, RHCP 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, 12 dBi Gain SMA Male, PVC Radome, RHCP FMANFP1053](#)

URL: <https://www.fairviewmicrowave.com/12-dbi-flat-panel-antenna-902-928-mhz-sma-connector-fmanfp1053-p.aspx>

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