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

LCANFP1053

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

Description

L-Com's LCANFP1053 is a RHCP RFID flat panel antenna. The LCANFP1053 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 LCANFP1053 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.

L-Com's RFID LCANFP1053 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 LCANFP1053 RFID Directional RHCP antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

Configuration

Design	Flat Panel
Application Band	RFID
Band Type	Single
Radiation Pattern	Directional
Polarization	RHCP
Cable Type	RG142
Connector Type	SMA Male
Connector Type Specification	MIL-STD-348A
Lightning Protection	DC Grounded

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	902		928	MHz
Input VSWR			1.3:1	
Impedance		50		Ohms
Gain		12		dBi
Front to Back Ratio	20			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Horizontal (Azimuth) HPBW	80		Degrees
Vertical (Elevation) HPBW	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]

Connectors

Description A	Connector 1 B	Connector 2 C	Connector 3 D
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		
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 L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and

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active components.

L-com CAD Drawing