902 to 928 MHz, RFID Flat Panel Antenna, 0 dBi Gain RP SMA Male, EVA Radome, RHCP

LCANFP1055

Features

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

Applications

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

Description

L-Com's LCANFP1055 is a RHCP RFID flat panel antenna. The LCANFP1055 with a 0 dBi gain nominal is a Directional antenna. Our 902 to 928 MHz antenna has Reverse Polarity SMA Male connector.

With an impedance of 50 Ohms and max input power of 20 Watts, the LCANFP1055 flat panel RHCP antenna is well suited for Radio Frequency Identification tag reading applications. This 902-928 MHz 0 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 LCANFP1055 has a radome made of EVA in Black color and comes from a facility certified to ISO 9001:2015. This RP SMA Male connectized Antenna has an overall length of 4 in, width of 4 in, and weighs 0.1433 lbs. Use our on-line ordering system to purchase your LCANFP1055 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	RG316
Connector Type	SMA Male Reverse Polarity
Connector Type Specification	MIL-STD-348
Lightning Protection	DC Grounded

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	902		928	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		0		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	100		Degrees
Vertical (Elevation) HPBW	120		Degrees
Input Power		20	Watts

Mechanical Specifications

Radome Material	EVA
Size	
Length	4 in [101.6 mm]
Width	4 in [101.6 mm]
Height	0.2 in [5.08 mm]
Weight	0.1433 lbs [65 g]

Connectors

Description A	Connector 1 B	Connector 2 C	Connector 3 D
Inner Conductor Material and Plating	Gold		
Inner Conductor Plating Specification	MIL-G-45204		
Coupling Nut Material and Plating	Brass, Nickel		
Coupling Nut Plating Specification	QQ-N-290		
Hex Size	5/16 inch		
Body Material and Plating	Brass, Nickel		
Body Plating Specification	QQ-N-290		

Environmental Specifications

Temperature

Operating Range	-20 to +65 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

902 to 928 MHz, RFID Flat Panel Antenna, 0 dBi Gain RP SMA Male, EVA 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.

The information contained within 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 impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

L-com CAD Drawing