

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



## LCANFP1054

### 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

### Description

L-Com's LCANFP1054 is a RHCP RFID flat panel antenna. The LCANFP1054 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 LCANFP1054 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.

L-Com's RFID LCANFP1054 has a radome made of ABS in White color and comes from a facility certified to ISO 9001:2015. This SMA Male connectized 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 LCANFP1054 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         |
| 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                      |         | 9       |         | dBi     |
| Horizontal (Azimuth) HPBW |         | 65      |         | Degrees |
| Vertical (Elevation) HPBW |         | 65      |         | Degrees |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[902 to 928 MHz RFID Flat Panel Antenna, RHCP, 9 dBi, White ABS, SMA Male, IP54 LCANFP1054](#)

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|             |    |       |
|-------------|----|-------|
| Input Power | 50 | Watts |
| Axial Ratio | 2  | dB    |

### Mechanical Specifications

|                 |                     |
|-----------------|---------------------|
| Radome Material | ABS                 |
| <b>Size</b>     |                     |
| Length          | 10 in [254 mm]      |
| Width           | 10 in [254 mm]      |
| Height          | 1.3 in [33.02 mm]   |
| Weight          | 1.87 lbs [848.22 g] |

### Connectors

| Description<br>A                      | Connector 1<br>B | Connector 2<br>C | Connector 3<br>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

|                    |                  |
|--------------------|------------------|
| <b>Temperature</b> |                  |
| 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 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 active

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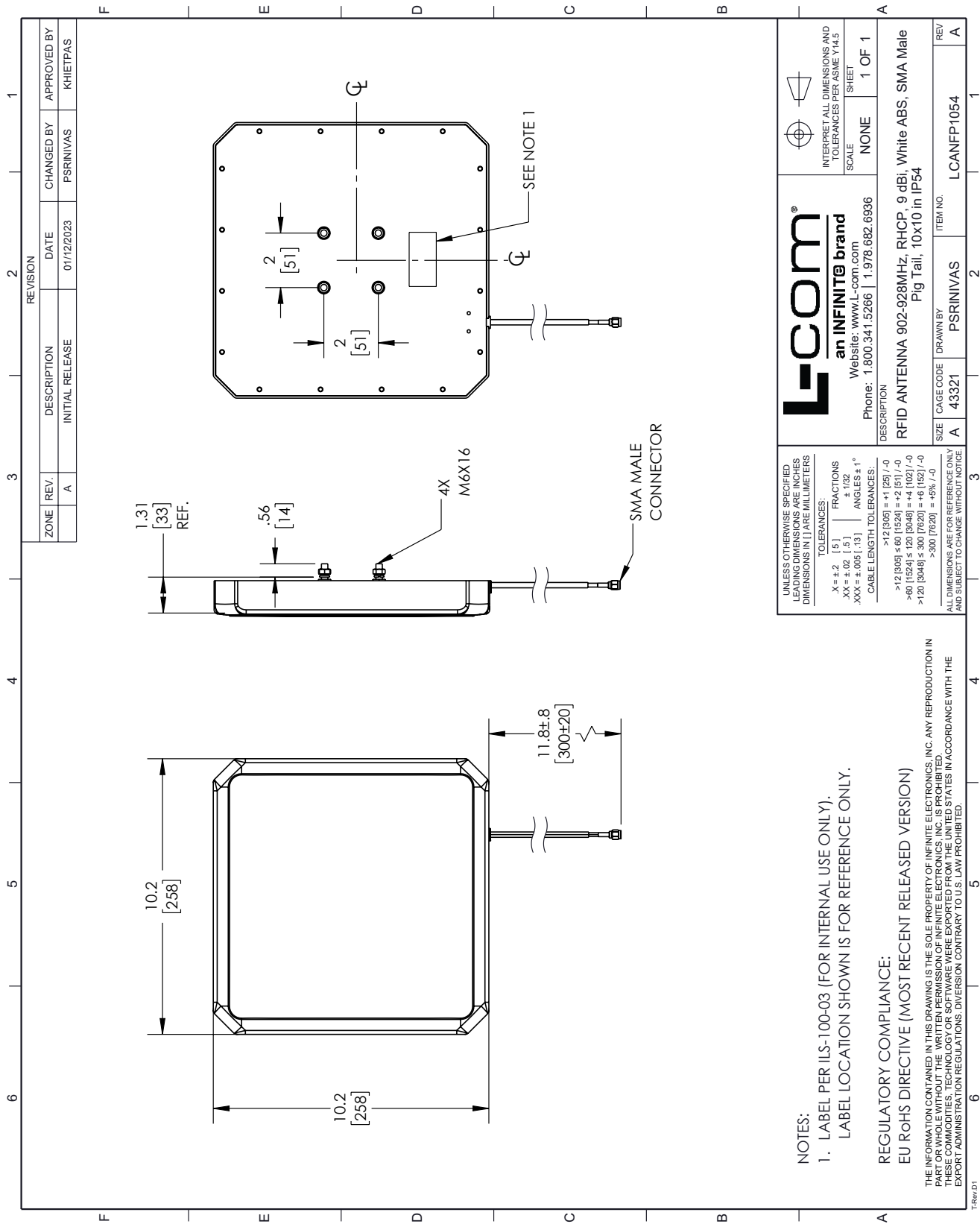
## LCANFP1054

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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 implement 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.



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