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# S9025PL / S9025PR Mini RFID Panel Antenna



## 902-928 MHz 5.5 dBi CP MINI RFID PANEL ANTENNA

The Laird S9025PL / S9025PR are high-performance RFID antennas and the only UHF RFID antenna available to the market that offers no-compromise performance in a small package. At only 5.2" square the antenna offers a gain specification of 5.5 dBi and axial ratio better than 2 dB. In effect the antenna is providing the performance one would expect of a much larger antenna. The antenna is not only mechanically robust but is less likely to be exposed to excessive damage by virtue of its reduced size.

### FEATURES

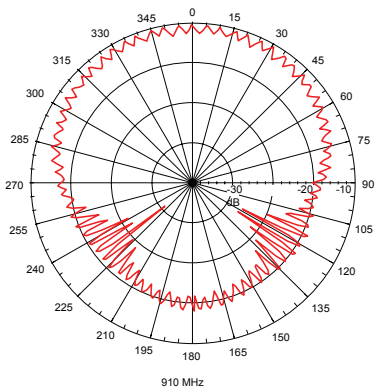
- Circularly polarized
- Low VSWR and axial ratio
- Rugged, ultra heavy duty construction
- IP 67 Rated
- Weather and UV resistant radome
- High performance in a small package
- Wide range of connector and cable options
- Left hand and right hand CP versions

### APPLICATIONS

- Warehouse
- Distribution center
- Airports and hospitals
- Transit terminals
- Conveyer belt

### SPECIFICATIONS

Antenna Part Number	S9025PR and S9025PL
Frequency Range	902 - 928 MHz
Gain	5.5 dBi
Maxium VSWR	1.5:1
3 dB Beamwidth - Azimuth	100°
Front to Back Ratio	8 dB
Polarization	Circular RH or Circular LH
Maxium Input Power	10 Watts
Input Impedence	50 Ohms
Axial Ratio	2.0 dB Typical
Weight (Kg)	.8 lbs (.37)
Mechanical Size	5.2" x 5.2" x .71"
Antenna vConnection	Type N Female, RP-TNC Female, RP-SMA Female, SMA Female
Radome	White or Charcoal High Strength PC
Mount Style	Threaded Stud 2x #10-32
Temperature Operational	-30°C to +70°C
Storage Temperature	40°C to 85°C
Impact Resistance	1 lbs. Ball Drop, 24"
Salt	MIL-STD-810
Vibration	MIL-STD-810
Shock	IEC 68-2-27
Humidity	IEC 68-2-30
Lightning Protection	DC Grounded
Enclosure Rating	IP 67



Americas: +1.847 839.6925  
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com

Asia: IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

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