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# S8655P
# Mini RFID Panel Antenna



## 865-870 MHz 5.5 dBic CP MINI RFID PANEL ANTENNA

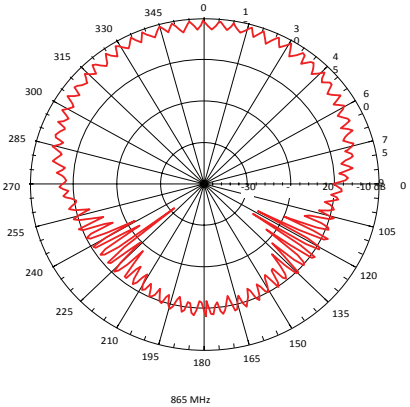
The Laird S8655P is a high-performance RFID antenna lineup and is the only UHF RFID antenna available to the market that offers no-compromise performance in a small package. At only 5.2" square the antenna offers a gain specification of 5.0 dBic and axial ratio better than 2 dB. In effect the antenna 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 RoHS

- Low profile
- Extremely low VSWR and axial ratio
- IP 67 Rated
- Weather and UV resistant radome
- Wide range of connector options
- Left hand and right hand CP versions

## APPLICATIONS

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




## SPECIFICATIONS

| | |
|---|---|
| Antenna Part Number | S8655PR and S8655PL |
| Frequency Range | 865 - 870 MHz |
| Gain | 5.0 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 lb. (Kg) | 1.0 lbs (.45) |
| Mechanical Size in. (mm) | 5.2" x 5.2" x .71" (132.1 x 132.1 x 17.8) |
| Antenna vConnection | Type N Female, RP-TNC Female, RP-SMA Female, SMA Female |
| Radome | White or Charcoal High Strengh 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 |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