



Innovative **Technology**
for a **Connected** World

S8655PR S8655PL

Mini RFID Panel Antenna



865-870 MHz 5.5 dBic CP MINI RFID PANEL ANTENNA

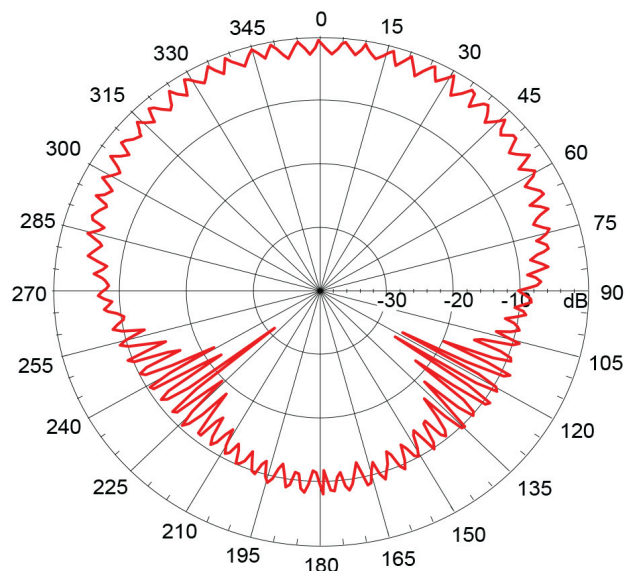
The Laird Technologies' S8655P is the latest addition to the high-performance RFID antenna lineup and is the only UHF RFID antenna available to the market that offers no-compromise performance in a small package. At only 5.2" square the antenna offers a gain specification of 5.5 dBic and axial ratio 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

- 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



865 MHz

SPECIFICATIONS

| | |
|--------------------------|---|
| Antenna Part Number | S8655PR and S8655PL |
| Frequency Range | 865 - 870 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 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 |