



865-870 MHz 5.5 dBi 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 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

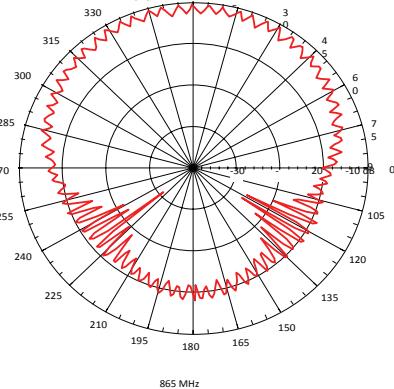
- Low profile
- Extremely low VSWR and axial ratio
- IP 67 Rated
- Weather and UV resistant radome
- Wide range of connector options
- Left hand and right hand CP versions

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
Maximum VSWR	1.5:1
3 dB Beamwidth - Azimuth	100°
Front to Back Ratio	8 dB
Polarization	Circular RH or Circular LH
Maximum Input Power	10 Watts
Input Impedance	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 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



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