



Innovative Technology  
for a Connected World

# S8658PL S8658PR

## Circular Polarity RFID Panel Antenna



### 865-870 MHz 8.5 dBic CIRCULAR POLARITY PANEL

The Laird Technologies' S8658PL antenna is a circularly polarized panel antenna that provides reception and transmission of signals in the 865-870 MHz frequency band. Laird Technologies' industry-renowned design methodology achieves maximum efficiency and performance across the entire frequency band.

Both VSWR and axial ratios are excellent and allow the user to achieve the maximum performance for an antenna of this type. The antenna is housed in a heavy duty radome enclosure that can be directly wall mounted. An optional articulating mount allows either wall or mast mounting.

The antenna is offered with an integrated coax pigtail and a variety of connector types are available.

### FEATURES

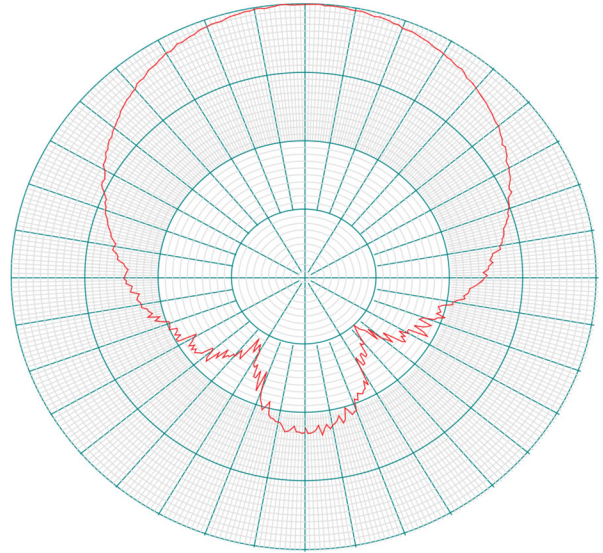
- Low profile
- Extremely low VSWR and axial ratio
- Weather and UV resistant radome
- Wide range of connector and cable options
- Left hand and right hand CP versions

### APPLICATIONS

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

# S8658PL S8658PR

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865 MHz

### SPECIFICATIONS

|                          |                                               |
|--------------------------|-----------------------------------------------|
| Antenna Part Number      | S8658PL and S8658PR                           |
| Frequency Range          | 865 - 870 MHz                                 |
| Gain                     | 8.5 dBic                                      |
| Maxium VSWR              | 1.5:1                                         |
| 3 dB Beamwidth - Azimuth | 70°                                           |
| Front to Back Ratio      | 18 dB                                         |
| Polarization             | Circular Right or Left                        |
| Maxium Input Power       | 10 Watts                                      |
| Input Impedence          | 50 Ohms                                       |
| Axial Ratio              | 1dB Typical                                   |
| Weight (Kg)              | 1.75 lbs (1.13)                               |
| Mechanical Size          | 10.2" x 10.2" x 1.32"                         |
| Antenna Connection       | Coax Pigtail, Rev TNC Male (others available) |
| Radome                   | High Strength PC                              |
| Mount Style              | Threaded Stud                                 |
| Temperature Operational  | -25°C to +70°C                                |
| Lightning Protection     | DC Grounded                                   |
| Environmental Rating     | IP 54                                         |