

# PAL86518H-FNF/PAR86518H-FNF

## Circular Polarity Wide Band RFID Antenna



### 865-956 MHz 8.5 dBic CIRCULAR POLARITY PANEL

The Laird PAL86518H-FNF/PAR86518H-FNF antennas are circularly polarized panel antennas that provide reception and transmission of signals in the 865-956 MHz frequency band. Laird's 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 a Fix N connector.

### FEATURES

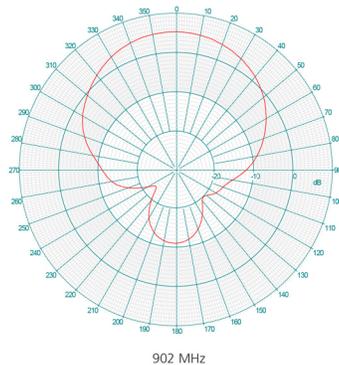
- Low profile 
- Extremely low VSWR and axial ratio
- Wide band
- Weather and UV resistant radome
- Wide range of connector and cable options
- Left hand and right hand CP versions
- IP 67

### APPLICATIONS

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

### SPECIFICATIONS

Antenna Part Number	PAL86518H/PAR86518H
Frequency Range	865 - 956 MHz
Gain	8.5 dBic
Maxium VSWR	1.5:1
3 dB Beamwidth - Azimuth	65°
Front to Back Ratio	20 dB
Polarization	Circular Right-hand or circular Left-hand
Maxium Input Power	3 Watts
Input Impedence	50 Ohms
Axial Ratio	1dB
Weight (Kg)	1.89 lbs (0.86)
Mechanical Size	10.2" x 10.2" x 1.32"
Antenna Connection	Fix N
Radome	High Strength PC
Mount Style	Threaded Stud
Temperature Operational	-25°C to +70°C
Lightning Protection	DC Grounded
Environmental Rating	IP 67



Americas: +1.847 839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127  
IAS-AsiaSales@lairdtech.com

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

ANT-DS-PAL86518H PAR86518H 0515

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.