



### 865 TO 868 MHz RFID PANEL ANTENNA

The Laird PEL86506 antenna is a circularly polarized panel antenna that provides reception and transmission of signals in the 865-868 MHz (Europe Frequency band). Laird industry renowned design methodology achieves maximum efficiency and performance across the entire frequency band. Both VSWR and axial ratios are both excellent and allow the user to achieve the maximum performance for an antenna of this type. This embedded antenna comes with a wide range of connector and cable options.

#### FEATURES

- Extremely low VSWR and axial ratio
- US band and Europe band available
- Wide range of connector and cable options

#### MARKETS

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

#### SPECIFICATIONS

PARAMETER	
Frequency	865 to 868 MHz
Gain	6 dBic
VSWR	1.5:1
Polarization	LH CP
Beamwidth 3dB, Horizontal	100°
Beamwidth 3dB, Elevation	100°
Axial Ration dB	1
Mounting Style	Standoff
Dimensions (mm)	61 x 61 x 4
Connector	Pigtail with Multiple Choices

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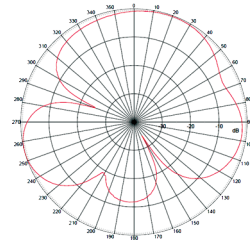
[www.lairdtech.com](http://www.lairdtech.com)

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.



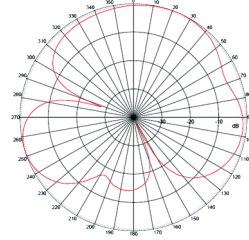
### PATTERNS

865 MHz



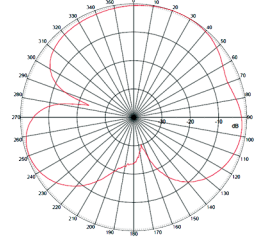
Linear A

867.5 MHz

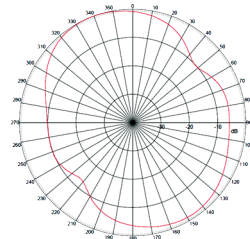


Linear A

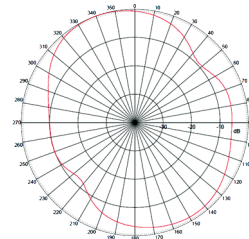
865 MHz



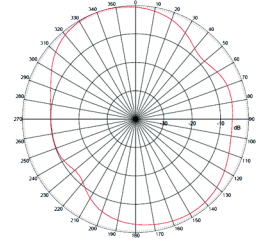
Linear A



Linear B



Linear B



Linear B

### PART NUMBERS

Part Number	Specifications
PEL86506-61RTN	865-868 MHz panel, RHCP, 6 dBic, EMBD, 61 cm, RTNM
PEL86506-61SMAM	865-868 MHz panel, RHCP, 6 dBic, EMBD, 61 cm, SMAM