



# Circularly Polarized Internal RFID Panel Antenna

## PEL90206-61RTN



### 902 TO 928 MHz INTERNAL 5" x 5" RFID PANEL ANTENNA

The RFMAX PEL90206 antenna is a circularly polarized panel antenna that provides reception and transmission of signals at 902 - 928 MHz (US frequency band for UHF RFID). Using an advanced design methodology, the antenna achieves maximum efficiency and performance across the entire frequency band. 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 is available with a wide range of connector and cable options.

### 7mm Ultra-Low Profile Antenna - Industry's Smallest Footprint

#### FEATURES

- Small size - only 5" x 5" x 0.275"
- Can be integrated into your OEM design
- Extremely low VSWR and axial ratio
- US and European bands available
- Wide range of connector and cable options
- Optimized for use with the following FCC UHF RFID readers: Impinj R420; Motorola / Zebra FX7500 & FX9500; Alien ALR-9XXX, ThingMagic M6

#### APPLICATIONS

- Thin Portals
- Distribution center
- Airports and hospitals
- Transit terminals
- Conveyor belt



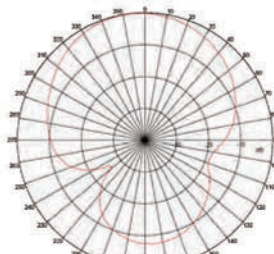
Sample OEM Design  
Courtesy of Jamison RFID

#### SPECIFICATIONS

Frequency	902 to 928 MHz
Gain	6 dBic
VSWR	1.5:1
Polarization	Left Hand CP
Beamwidth 3dB, Horizontal	90°
Beamwidth 3dB, Elevation	90°
Axial Ration dB	1
Mounting Style	Standoff mounting pads with corner screw holes
Dimensions	120 x 120 x 7 mm (4.72 x 4.72 x 0.275 inches)
Cable/Connector	60 cm (24 inch) cable / RPTNC Male

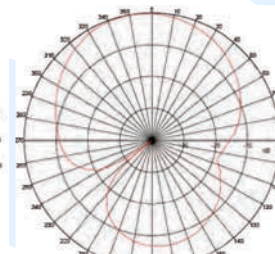
#### PATTERNS

902 MHz



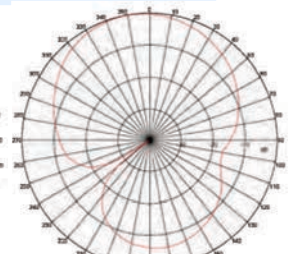
Linear A

915 MHz

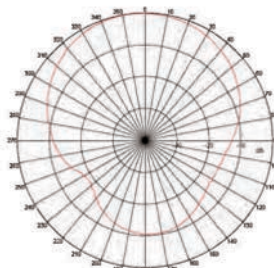


Linear A

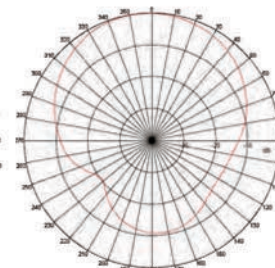
928 MHz



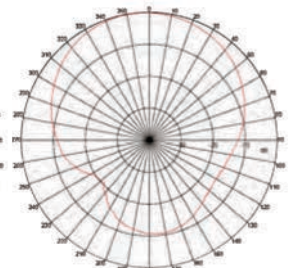
Linear A



Linear B



Linear B



Linear B



Authorized Reseller:  
RFID4UStore  
[www.rfid4ustore.com](http://www.rfid4ustore.com)  
1-408-739-3500  
[sales@rfid4ustore.com](mailto:sales@rfid4ustore.com)

RFMAX  
[www.rfmax.us](http://www.rfmax.us)

Distributed Internationally by:  
**Arcadian, Inc.**  
11 Muller Place  
Little Falls, New Jersey 07424  
USA

1-888-925-5967 toll-free

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