



Circularly Polarized Internal RFID Panel Antenna

PEL90206-61RTN



Sample OEM Design
Courtesy of Jamison RFID

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

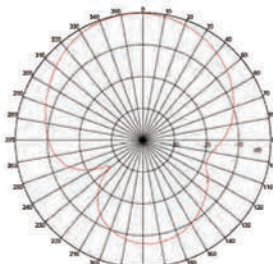
- Thin Portals
- Distribution center
- Airports and hospitals
- Transit terminals
- Conveyor belt

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 |

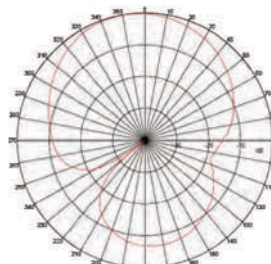
PATTERNS

902 MHz



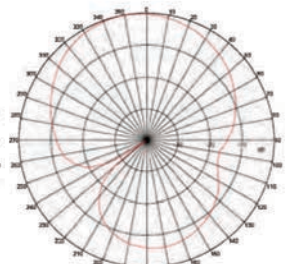
Linear A

915 MHz

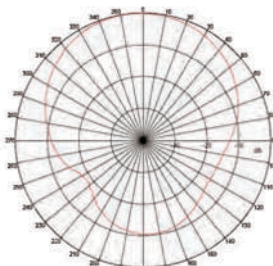


Linear A

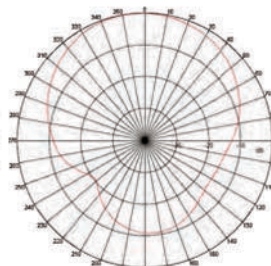
928 MHz



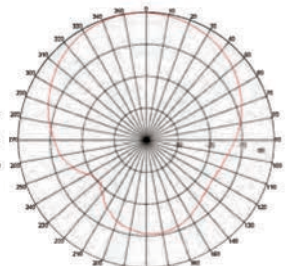
Linear A



Linear B



Linear B



Linear B

RFMAX
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