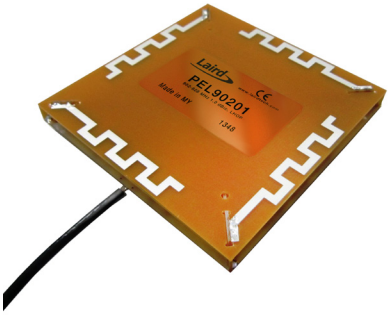
Smart Technology. Delivered.

Circularly Polarized RFID Embedded Antenna

PEL90201



902 TO 928 MHz RFID PANEL ANTENNA

The Laird PEL90201 antenna is a circularly polarized panel antenna that provides reception and transmission of signals in the 902 – 928 MHz (US frequency band). Laird's 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

RoHS

- 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
- Conveyer belt

SPECIFICATIONS

PARAMETER	PERFORMANCE	PERFORMANCE	PERFORMANCE
Vendor Part Number	PEL90201-10UFL	PEL90201-10RMXP	PEL90201-10RAMP
Connector Type	U.FL	MCX	MMCX
Cable Type	1.37 mm	RG316	RG316
Antenna Type	Directional	Directional	Directional
Cable Length (cm)	10	10	10
Operating Frequency Range	902 - 928 MHz	902 - 928 MHz	902 - 928 MHz
VSWR Max	1.4.1	1.4:1	1.4:1
Maximum Gain (dBiC)	2.0	2.0	2.0
Theta 90 TYP 3 dB beam width (deg)	120°	120°	120°
Phil 90 TYP 3 dB Beam width (deg)	120°	120°	120°
Front to Back	4.0	4.0	4.0
Polarization	LHCP	LHCP	LHCP
Axial Ratio	(TYP) 2	(TYP) 2	(TYP) 2
Dimensions	74m x 74mm x 9.48mm		
Mounting Style	Embedded	Embedded	Embedded

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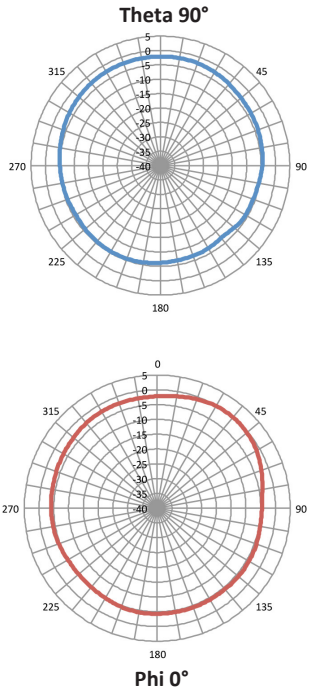
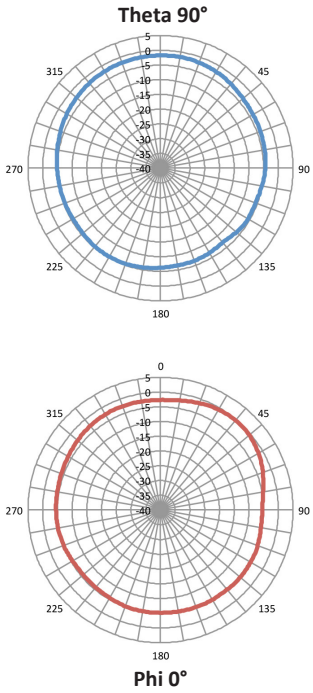
PATTERNS

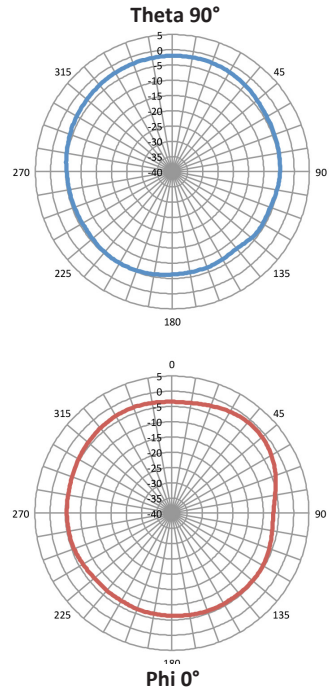
902 MHz



915 MHz



928 MHz



ORDERING GUIDE

PART NO.	SPECIFICATIONS
PEL90201-10UFL	902-928 MHz panel, LHCP, 2 dBic, EMBD, 10 cm, U.FL
PEL90201-10RMXP	902-928 MHz panel, LHCP, 2 dBic, EMBD, 10 cm, MCX
PEL90201-10RAMP	902-928 MHz panel, LHCP, 2 dBic, EMBD, 10 cm, MMCX

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