



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



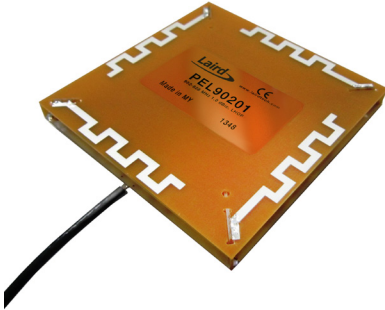
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902 TO 928 MHz RFID PANEL ANTENNA

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

- 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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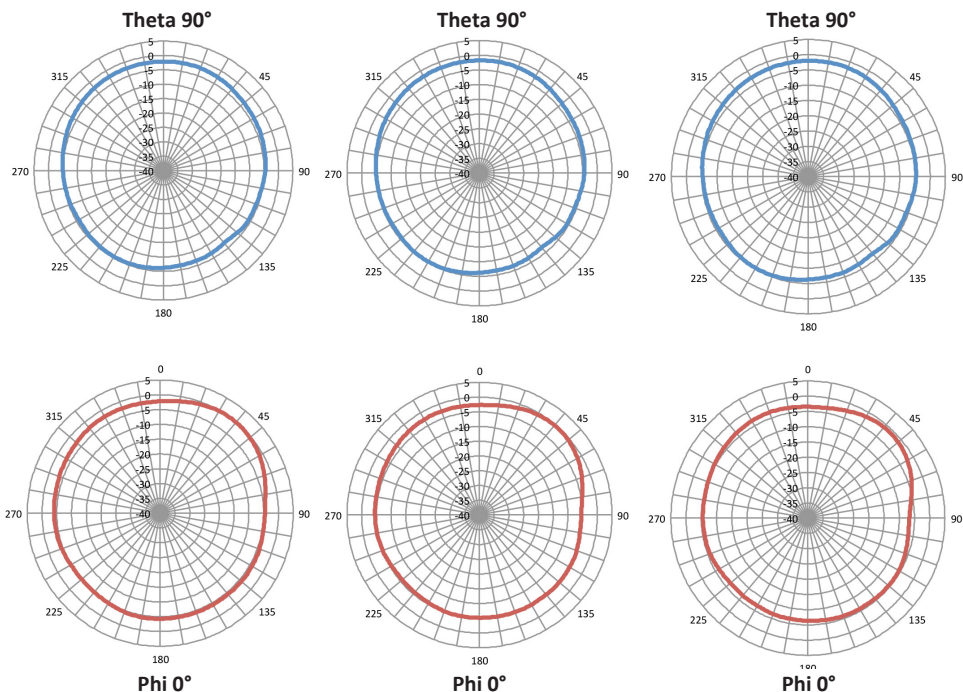
www.lairdtech.com

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

ANT-DS-PEL90201 0115

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