Smart Technology. Delivered.

PAL902010
Circular Polarity RFID Panel Antenna





Patent Pending
PAL902010



HDMNT
Heavy Duty Mount

902-928 MHz 9.5 dBic CIRCULAR POLARITY PANEL

The Laird PAL902010 antenna is a circular polarized panel antenna that provides reception and transmission of signals in the 902-928 MHz frequency band. Laird's industry-renowned design methodology achieves maximum efficiency and performance across the entire frequency band.

Both VSWR and efficiency are excellent and allow the user to achieve the maximum performance for an antenna of this type. The antenna is housed in a heavy duty radome enclosure that can be directly wall mounted. An optional articulating mount allows either wall or mast mounting. The antenna is offered with an integrated fixed connector.

FEATURES

- Low profile enables installation flexibility.
- High gain ensures maximum performance.
- Extremely low VSWR delivers maximum radiation.
- IP67 enclosure ensures rugged reliability.

APPLICATIONS

- Warehouse / Distribution Center
- Airports & Hospitals
- Transit Terminals
- Package / Material Handling Conveyers

SPECIFICATIONS	
Model	PAL902010-FNF
Frequency Bands, MHz	902-928
Peak Gain, dBic (Avg)	9.5
Peak Gain, dBic (Max)	9.6
VSWR, Avg	<1.3:1
Nominal Impedance	50Ω
Polarization	Left Hand Circular
Phi = 0° Co-Polar Beamwidth	60°
Phi = 90° Co-Polar Beamwidth	62°
Front-to-Back Ratio	16.9 dB
Axial Ratio, Typ	1.3:1 dB
Max Power (Ambient 25°C)	50 Watts
Antenna Dimension (LxWxH)	304.8 x 304.8 x 33.5 mm (12" x 12" x 1.32")
Weight	1.1 kg (2.4 lbs)
Antenna Color	White
Radome	ABS, UV Stable, UL-94-HB Material
Wind Operational	160 km/h (100 mph)
Wind Survival	219 km/h (136 mph)
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +85°C
Ingression Protection	IP67
Material Substance Compliance	RoHS

ORDERING GUIDE

PART NUMBER	CABLE LENGTH	CONNECTOR
PAL902010-FNF	N/A	Fixed N-Female

ALTERNATE MOUNTING KITS

PART NUMBER	TYPE	MATERIAL
HDMNT	Articulating	Die Cast

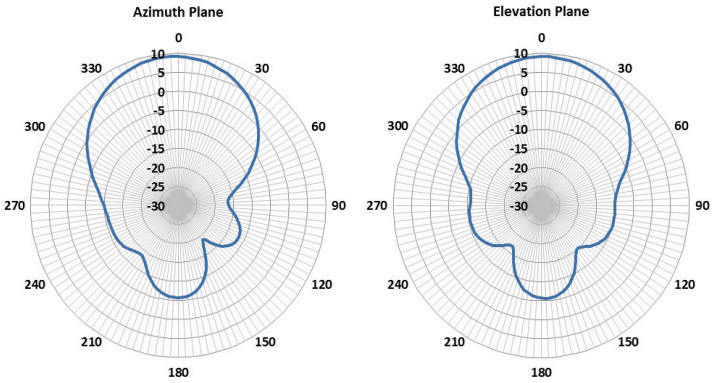
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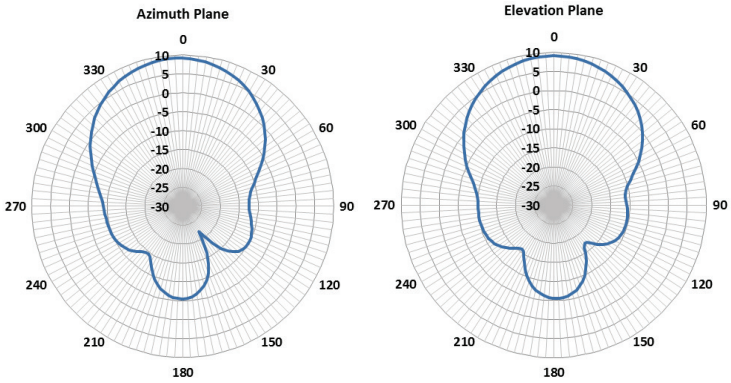
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RADIATION PATTERNS

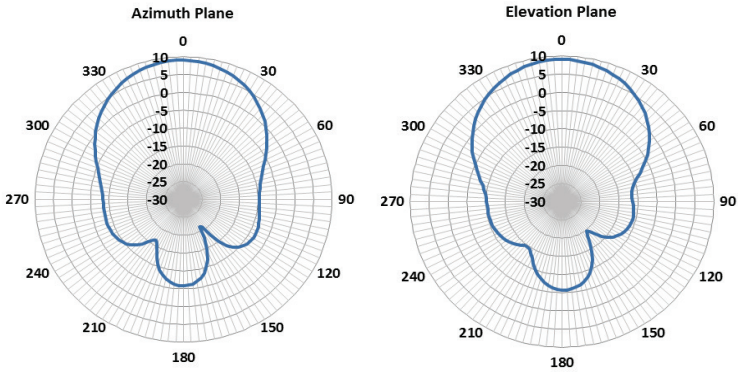
902 MHz



915 MHz



928 MHz



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5 YEAR WARRANTY

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