Laird TECHNOLOGIES

Innovative **Technology** for a **Connected** World

RFID UHF
Near Field Antennas

UHF NEAR FIELD ANTENNAS OFFER IMPROVED PERFORMANCE

The RFID UHF near field antennas from Laird Technologies offer improved performance over many UHF near field antennas. Designed using proprietary software optimization tools, these antennas provide uniform field strength across their entire aperture. There are no hot-spots or dead-spots ensuring reliable tag reading no matter where the tag is placed on the antenna surface. The design also is much less susceptible to detuning in the proximity of metallic objects, or when a large number of tags are placed on the antenna for reading.

Two configurations of the product are available. One is a dual port configuration that utilizes polarization diversity to provide operation in a dual mono-static mode. This antenna is ideal for use with multi-port readers. The other configuration is a single port antenna with circular polarization that can be used with either single or multi-port reader.

Each configuration is available in choice of side-entry, or bottom-entry coax feed.

Every model is available in a choice of two frequency ranges, 865-870 MHz, or 902-928 MHz.

FEATURES ✓RoHS

- Circular or dual polarization versions
- Choice of side-entry or bottom entry coax feed
- Choice of 856-870 MHz or 902-928 MHz
- Choice of coax feed length and connector type
- Uniform field strength across entire antenna
- Surface
- Immune to detuning in the proximity of metal

MARKETS

- Retail point of sale
- Kiosks
- Pharmacies
- Hospitals
- Incoming inspection
- Tag writing
- Industrial plants

Specifications	
Frequency	865-868MHz or 902-928 MHz
Gain	6 dBi maximum
Polarization	Left hand circular (one port), or dual slant 45 degree (dual port)
VSWR	1.5:1
Impedance	50 ohms
Cable	Side-entry, or bottom entry
RF connector	SMA, others available
Power rating	1W continuous, 10 W peak
Cable length	72 inch (283 mm), other lengths available
Dimensions	261 x 261 x 65.9 mm
Mounting	On top of flat surface, underneath flat surface, in cut-out hole
Weight	1.40 kg
Operating Temp	-20°C to +60°C

global solutions: local support™

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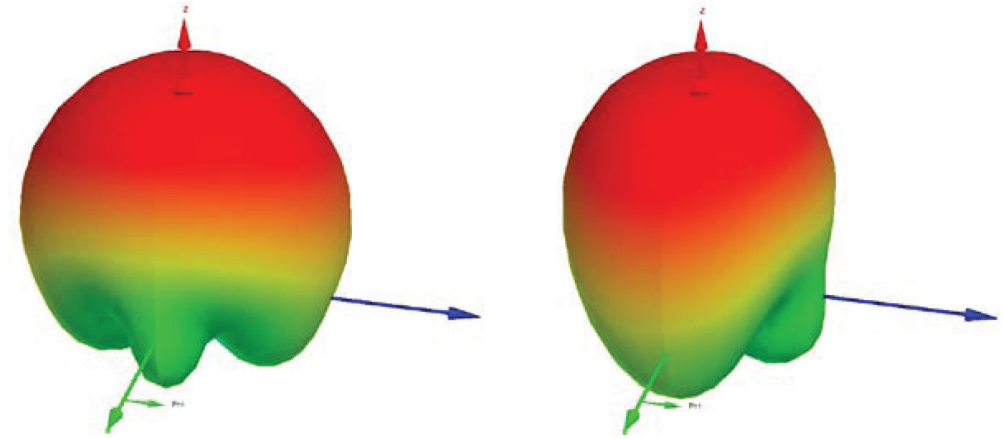

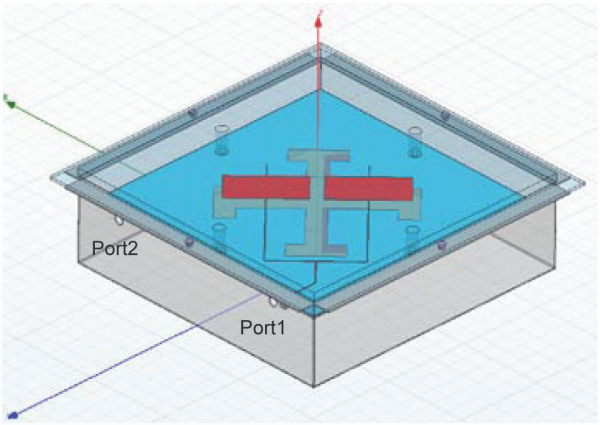

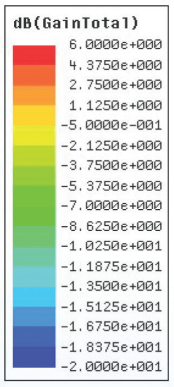

SYSTEM ORDERING INFORMATION

PNL86506BC	865-868 MHz, LHCP, bottom-entry coax
PNL86506SC	865-868 MHz, LHCP, side-entry coax
PNS86506BC	865-868 MHz, Dual slant 45 degrees, bottom-entry coax
PNS86506SC	865-868 MHz, Dual slant 45 degrees, side-entry coax
PNL90206BC	902-928 MHz MHz, LHCP, bottom-entry coax
PNL90206SC	902-928 MHz MHz, LHCP, side-entry coax
PNS90206BC	902-928 MHz, Dual slant 45 degrees, bottom-entry coax
PNS90206SC	902-928 MHz, Dual slant 45 degrees, side-entry coax

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