



Joaneo

Printing Smart Inlays

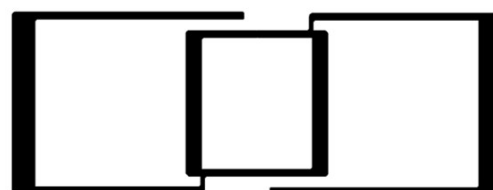
UHF LARGE DIPOLE



This is a multi-purpose powerful UHF inlay for warehouse applications and retail. For example, bulk reading in transport and storage via portal gates.

GENERAL SPECIFICATIONS

- Frequency: FCC 902-928 MHz / ETSI 865-868 MHz / ASIA 950-956 MHz (UHF)
- IC: NXP UCODE® 7xm, UCODE® 8, UCODE® 9
- Protocol: EPC Class 1 Gen2v2.1
- Substrate: Paper (e.g. wood-free cast-coated white high-gloss on one side, 100% PEFC certified) and PET. Alternative substrates upon request.
- Product available as inlay or antenna only



APPLICATIONS

Retail

Inventory and
supply chain
management

Logistic

Tracking &
Tracing

PRODUCT CHARACTERISTICS

- Antenna material: Conductive silver ink
- Finishing options: dry inlays, wet inlays to your specific adhesive requirements upon request
- Customization upon request
- Final Inspection: 100% tested, faulty tags marked

RFID CHIP SILICON

EPC Memory: up to 96-bit

User Memory: up to 2k-bit

Operating temperature range: -40 °C up to +85 °C

Read sensitivity: -19 dBm

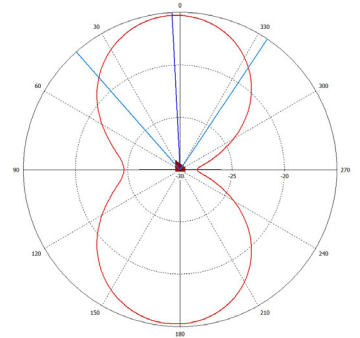
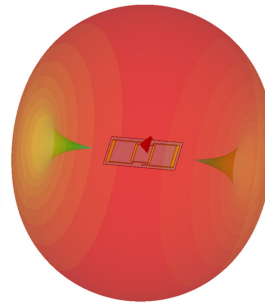
Write sensitivity: -12 dBm

MECHANICAL DIMENSION

Antenna Size: 65 x 24 mm / 2.55 x 0.94 in

Label Size: 66 x 24.5 mm / 2.60 x 0.96 in

TAG READ PERFORMANCE



Type: Farfield
Frequency: Min (860 MHz) – Max (960 MHz)
Gain: 2.3 dBi
HPBW: 75.2°

All the graphs in accordance with simulation results: performance in the real-life application may vary. The data has been determined based on calculations for transmitters with 2W ERP output power level and UCODE tag silicon.

ABOUT US

Joaneo offers NFC and RFID antennas and inlays, printed on paper-based substrates, using an eco-friendly production process. All made in Luxembourg, from design to distribution.

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