



Joaneo

Printing Smart Inlays

UHF SMALL DIPOLE



Joaneo paper-based UHF inlays are perfectly suitable for healthcare applications. They are designed to work close to liquids and in close proximity with other inlays. These inlays ensure traceability and security of data. They include NXP's unique untraceable feature, which makes inlays invisible to unrecognized readers, and have a large memory storing up to 2 kb of data. They are also suitable for applications in the defense and aeronautics industries.

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

Pharmaceutical,
such as blood
samples

Tracking &
Tracing

Retail

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

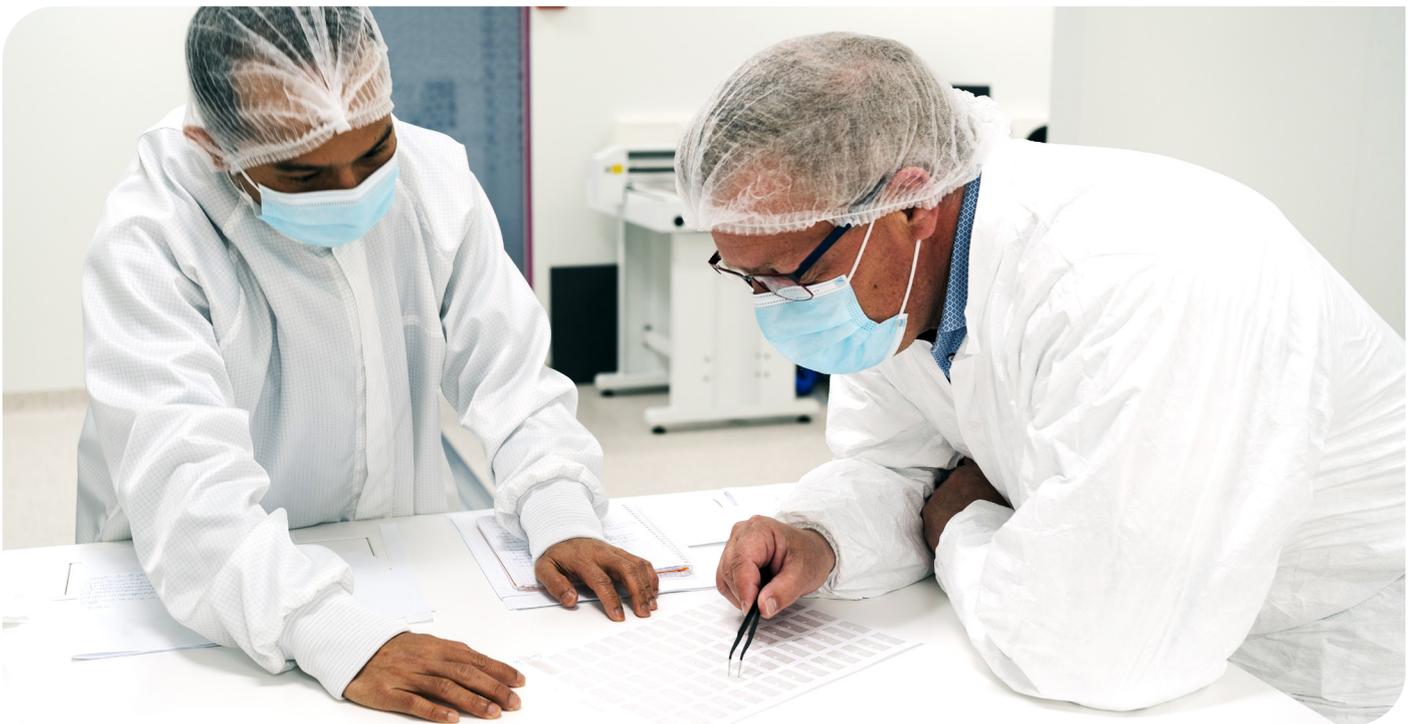
MECHANICAL DIMENSION

Antenna Size: 30.0 x12.0 mm / 1.18 x 0.47 in

Label Size: 30.5 x 12.5mm / 1.2 x 0.49 in

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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