

PRODUCT DATASHEET

Confidex Leaf™



Sustainable, paper-based and plastic-free suitable for indirect contact with food.

ELECTRICAL SPECIFICATION

Device type

UHF RFID / EPCglobal Gen2v2

Operational frequency

Global 865-928MHz

IC type

Impinj Monza 4E™

Memory configuration

EPC 496 bit; User 128 bit; TID 96 bit

Read range (2W ERP)*

ETSI: On cardboard: up to 8m

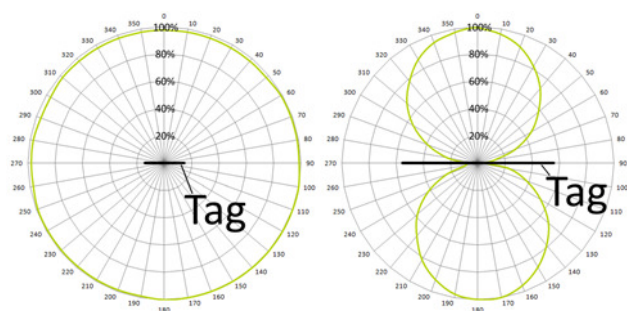
FCC: On cardboard: up to 10m

Applicable surface materials*

Non-metallic surfaces

* Read ranges are theoretical values that are calculated for non-reflective environment, in where antennas with optimum directivity are used with maximum allowed operating power according to ETSI EN 302 208 (2W ERP). ETSI = 865 - 868 MHz, FCC = 902 - 928 MHz. Different surface materials may have an effect on performance.

RADIATION PATTERNS



Kreski

Zapraszamy do kontaktu!
Więcej informacji: www.kreski.pl

MECHANICAL SPECIFICATION

Tag materials

Paper face material

Background adhesive

Water-soluble adhesive

Delivery format

2000 pcs on reel

Pitch on reel

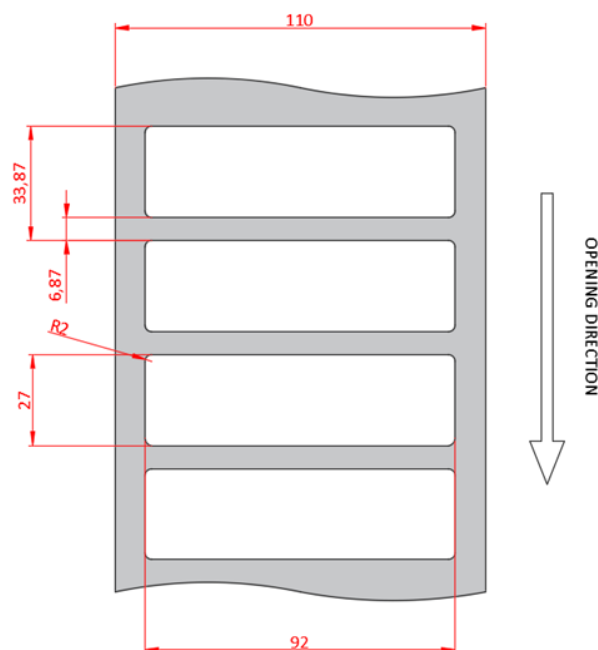
33.87mm / 1.333"

Reel core inner diameter

76 mm / 3"

Tag dimensions

92mm x 27mm / 3.62" x 1.06"



ENVIRONMENTAL RESISTANCE

Application temperature

0°C to +30°C / 32°F to +86°F

Operating temperature

-30°C to +55°C / -22°F to +131°F

Storage condition

6 months shelf life at +20°C / 45% RH with original plastic sealed package

Additional notes

Label is sensitive to environmental humidity. It is recommended to use plastic sealed packages in storage.

Values in the table are the best recommendations; resistance against environmental conditions depends on the combination of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. Contact Confidex for more specific information.

PERSONALIZATION OPTIONS

Pre-encoding

- Customer specific encoding of EPC or user memory. Locking permanently or with password.

Customized printing

- Customer specific layout including logo, text, numbers, barcodes etc.

INSTALLATION INSTRUCTIONS



Tag polarization

Ideal installation conditions are +20°C (+68°F) / 50% RH. For exceptional conditions, please contact Confidex. Adhesive of the Confidex Leaf™ labels will provide best adhesion in 24 hours after the installation. Bond strength can be improved with firm application pressure. Always clean and dry the surface for obtaining the maximum bond strength. Avoid touching the background adhesive.

Minimum bending diameter of the label is defined to be 50mm. Do not bend the label above the limit. Never touch on the location of the IC. IC is a sensitive electrical component and can be damaged if unexpected pressure is applied on it.

ORDER INFORMATION

Product number: 3003256

Product name: Confidex Leaf™ M4E

For additional IC versions, information and technical support, contact Confidex Ltd.

DISCLAIMER

THE MATERIALS, PRODUCTS AND SERVICES ARE SOLD SUBJECT TO ITS STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, CONFIDEX MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN CONFIDEX STANDARD CONDITIONS OF SALE, CONFIDEX AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Confidex products, materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished systems incorporating Confidex products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Confidex.

