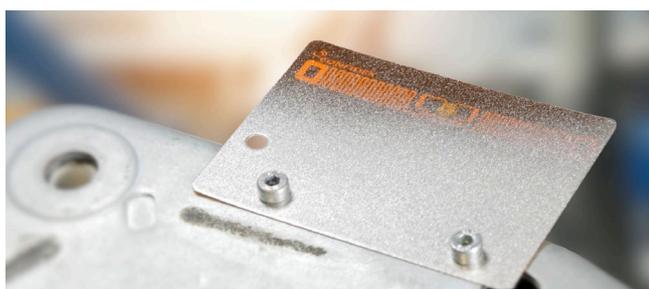


PRODUCT DATASHEET

Confidex Heatwave Flag™



High temperature resistance combined with flexible attachment for automotive paint shop process

ELECTRICAL SPECIFICATION

Device type

UHF RFID / EPCglobal Gen2v2

Operational frequency

Global 865-928MHz

IC type

Alien Higgs™ 9

Memory configuration

Standard EPC memory is 96 bit but can be extended to 496 bit by allocating user memory capacity to EPC.
User memory 688bit; TID 96 bit

EPC memory content

Unique number encoded

Read range (2W ERP)*

up to 10 m / 33 ft

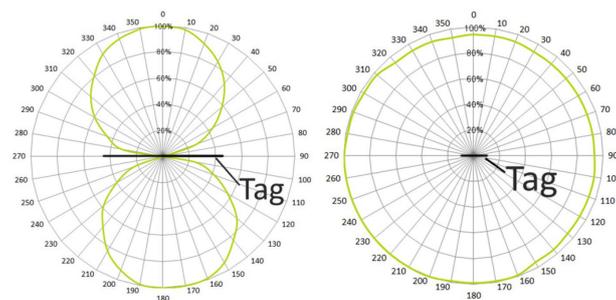
Applicable surface materials*

Can be attached on all materials but antenna part should not be in direct contact with metal

* 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). Different surface materials may have an effect on performance.

RADIATION PATTERNS

Note that metallic environment around the tag will affect the radiation pattern. Optimal read angle should be tested in real environment.



MECHANICAL SPECIFICATION

Tag materials

Special polymer designed for high temperatures.

Weight

1,5 g

Delivery format

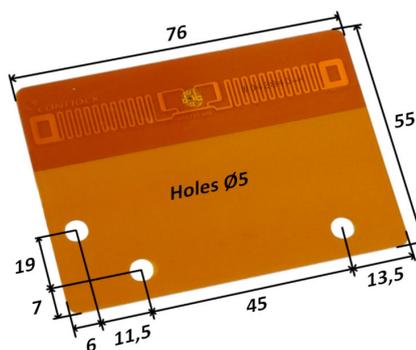
Single

Amount in box

200 pcs

Dimensions

76 x 55 x 0.37 mm / 2.99 x 2.17 x 0.015 in



ENVIRONMENTAL RESISTANCE

Operating temperature

-35°C to +85°C / -31°F to +185°F

Peak temperature

168h: +180°C / +356 °F
3 hours: +230°C / +446°F
10 min: +260°C / +500°F

IP classification

IP68

Chemical resistance

- No physical or performance changes in:
- 168h Salt water (salinity 10%) exposure
 - 168h Motor oil exposure
 - 168h Sulfuric acid (10%, pH 2) exposure
 - 2h NaOH (10%, pH 13) exposure
 - Wiping with acetone

Expected lifetime

Product is designed for single use in vehicle manufacturing. However, the lifetime will be years when tag is left to car body and it can be used for identification in aftersales services.

Some bending may occur in long term high temperature exposure. Values in the datasheet 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.



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

PERSONALIZATION OPTIONS

Pre-encoding

- Customer-specific encoding of EPC with or without locking

Visual marking

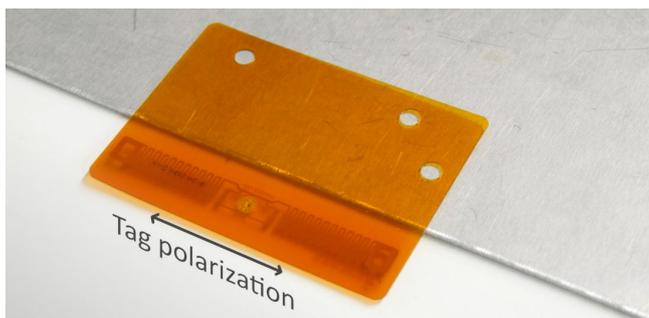
- Laser engraving of customer-specific content

INSTALLATION INSTRUCTIONS

Confidex Heatwave Flag™ can be attached with screws or pop rivets through Ø5mm holes. When tagging metallic assets, the tag shall be attached in a way that the antenna part is protruded out from the metal as shown in picture below.

The distance between antenna and metal should be maximized for the best performance. Tag will also work when attached on plastic assets.

Polarization of tag is along its longest dimension. This should be considered when linear reader antennas are used.



ORDER INFORMATION

Product number: 3003520

Product name: Confidex Heatwave Flag™ H9

For additional information and technical support, please 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.

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

