Product Datasheet

BEONTAG HEATWAVE FLAG PRINTABLE

Description

Printable RAIN RFID tag with temperature resistance against automotive paint shop cycle process

Electrical specifications

Device type
RAIN RFID / EPCglobal Gen2v2

Operational frequency
Global 865-928 MHz

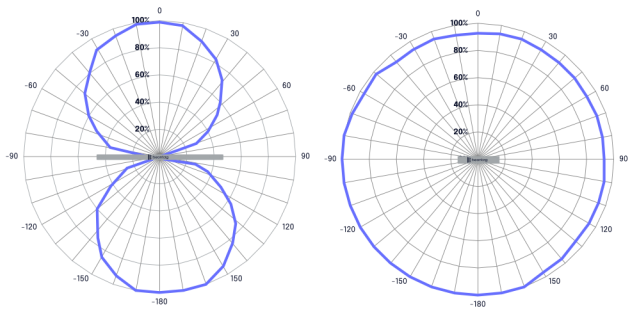
IC options and memory configurations
Impinj M780™
• EPC 496 bit; User 128 bit; TID 96 bit

EPC memory content
Unique number encoded

Read range (2W ERP)*
ETSI: Up to 19 m / 62 ft
FCC: Up to 15m / 50 ft

* Read ranges are theoretical values that are calculated for non-reflective environment. Different surface materials may influence performance.

Radiation pattern



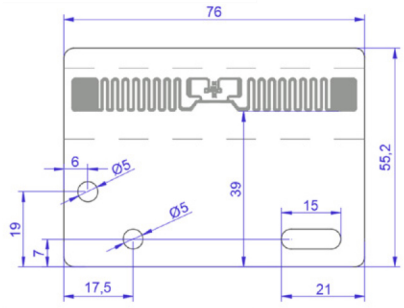
Mechanical specifications

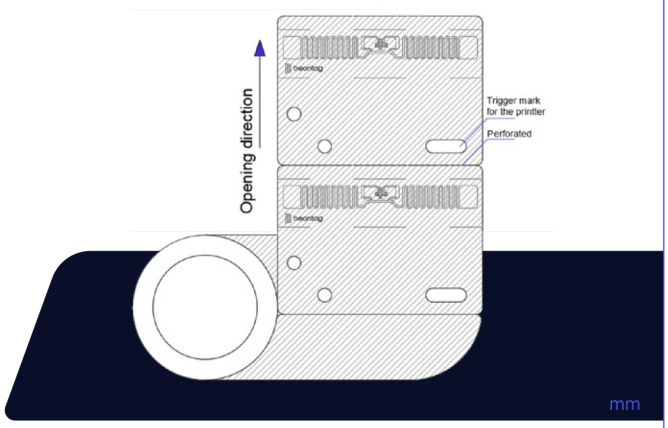
Tag materials
Special film for high temperatures. No adhesive by default, attached mechanically.

Weight
1 g

Delivery format
On reel. 1500 pcs labels on one reel.

Dimensions
76 x 55,2 x 0,32 mm / 3 x 2.17 x 0.013 in





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Environmental resistance

Operating temperature
-35°C to +85°C / -31°F to +185°F

Peak temperature
1 hour: +220°C / +428°F
10 min: +260°C / +500°F

IP classification
IP68

Bending resistance
Withstands 50mm radius also in high temperatures

Chemical resistance
No physical or performance changes in:
- 168h Motor oil exposure
- 168h Salt water (salinity 10%) exposure
- 10min Sulfuric acid (10%, pH 2) exposure
- 10min NaOH (10%, pH 13) exposure
- 2h Acetone

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 Beontag for more specific information.

Personalization Options

Pre-encoding
- Customer specific encoding of EPC with or without locking

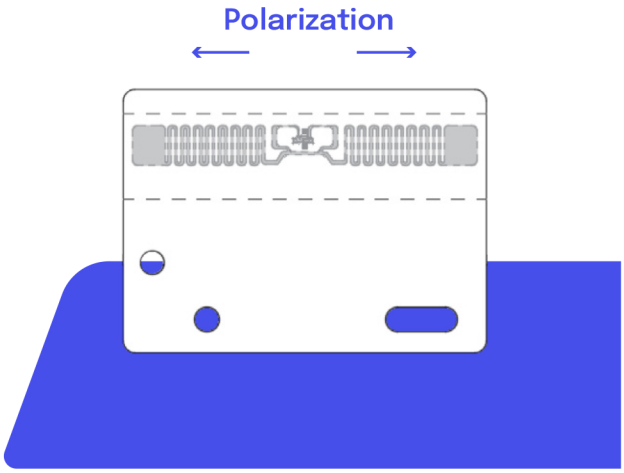
Visual marking
- Printing of customer specific content

Installation instructions

Beontag Heatwave Flag Printable can be attached with screws or pop rivets through Ø5mm holes. Tag shall be attached on top of metal so that the antenna part is protruded out from metal as shown in picture below. This will maximize the tag reading distance. Tag will also work when attached on plastic assets.

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

Select the location carefully in a vehicle body or tagged item. Good placement will ensure smooth identification in every stage of manufacturing till the end of assembly line and beyond. Please contact Beontag for further assistance.



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Order information

Product number: **3004238**
Product Name: **Beontag Heatwave Flag Printable M780**

For other versions, additional information and technical support please contact Beontag.

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About Beontag

From the science of graphic and label materials, RFID and wireless IoT enablers, we create solutions across the value chain to deliver digital transformation for businesses around the world.

Sustainability is at the core of what we do and we strongly believe that by substituting non-renewable materials and innovating through more sustainable and renewable products, we act as an ESG enabler for our customers' value chain.

Beontag is one of the world's leading providers of RFID and wireless IoT solutions, being present in more than 40 countries with 7 R&D centers and 2,000 employees, in constant development of technological and sustainable solutions designed to connect items, and gain efficiency and end-to-end traceability