BEONTAG STEELWAVE MICRO II NFC

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Description

Small-sized NFC asset tag with versatile attachment options.

Electrical specifications

Device type
NFC Forum Type 2

Air interface protocol
ISO 14443A

Operational frequency
13,56 MHz

IC type
NXP NTAG213

Memory configuration
User memory 144 Bytes

Read range*
Mobile phone up to 30mm
Fixed reader up to 40mm

Applicable surface materials*
Works on any material

* Read ranges are measured in laboratory environment and there can be some variation in real application. Also used surface material might affect the read range.

Mechanical specifications

Tag materials
Engineering plastics and synthetic face layer

Background adhesive
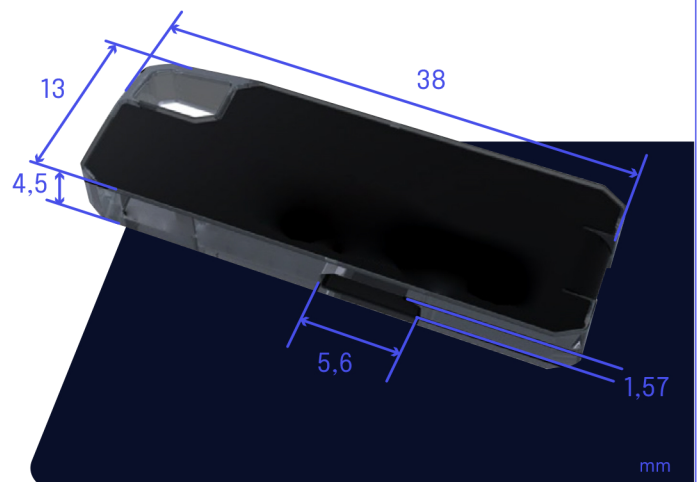High performance acrylic adhesive

Weight
2 g

Delivery format
Single

Amount in box
1000pcs

Dimensions
38 x 13 x 4,5 mm / 1.5 x 0.5 x 0.17 in

Personalization options

Pre-encoding
Customer-specific encoding.

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

Environmental resistance

Operating temperature
–20°C to +70°C / –4°F to +158°F

Ambient temperature
–20°C to +70°C /–4°F to +158°F

IP classification
IP67

Chemical resistance
No physical or performance changes in:
• 2 hour Salt water (salinity 10%) exposure
• 2 hour Motor oil exposure
Additionally, short time exposure resistant against sulfuric acid. Acetone and sodium hydroxide should be avoided.

Expected lifetime
Years in normal operating conditions

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 Beontag for more specific information.

Installation instructions

Beontag Steelwave Micro II NFC can be attached with several fixing methods:

• High performance acrylic adhesive (included)
• Hanging with tethering string
• Cable tie through the tag

When mounting the tag with its adhesive background, clean and dry the surface for obtaining the maximum bond strength.

Ideal application temperature is from +21°C to +38°C (+70°F to +100°F), bond strength can be improved with firm application pressure and moderate heating from +38°C to +54°C (+100°F to +130°F).

Installation at temperatures below 10°C (50°F) is not recommended.

Order information

Product number: **3001301**
Product name: **Beontag Steelwave Micro II NFC NTAG213**

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

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