

PRODUCT DATASHEET

GLOBAL TAG GARBAGE BIN TAG



Global Tag **GARBAGE BIN TAG** Tag is an IP68 tag in nylon material, suitable for waste bins tracking. Waterproof and seismic resistant, it is widely used for the waste sorting.

GARBAGE BIN TAG Tag is available in LF, HF or UHF frequencies

Different customization are available as color mold, UID or serial number engraving.



MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: Ø 30mm x 14,8mm

Mounting System: Screw-in

Weight: 6,5 gr.

Material: Nylon + Epoxy

Color: Generally black – Available optionally any other colors

Class Protection: IP68 (Totally protected against ingress of solid / Protected against long period of immersion)

Storage Temperature: -55°C (for 3h) to +120°C (for 2h in the oven) / -67°F (for 3h) to +248°F (for 2h in the oven) (for any other particular request or various environment, contact us)

Operating Temperature: -20 to 120 °C / -4°F to +248°F

Weather Ability: Very Good, including UV resistance and sea water

Delivery format: Singulated

Expected lifetime: Years in normal operating conditions

Chemical resistance:

No physical or performance changes in (tested up to, more hours can be):

- 200 hours Motor oil immersion
- 200 hours Salt water (salinity 10%) exposure
- 200 hours H₂SO₄ Sulfuric acid (10% pH 2) exposure
- 24 hours NaOH Caustic Soda (10%, PH 13) exposure
- 24 hours HCl Muriatic Acid (10%) exposure
- 24 hours Na₂CO₃ Soda Solvay
- 24 hours NH₃ Ammoniac (5% to 25%)

Values in the table are the best recommendations; resistance against environmental conditions depends on the combinations of all influencing factors, exposure duration and chemical concentrations. Thus, product’s final suitability for certain environmental conditions is recommended to be tested. We are available for other information.





CHIP SPECIFICATION AVAILABLE

	LF 125Khz	HF 13,56MHz	UHF 860-960MHz
Device type	N.D.	N.D.	Class 1 Gen 2
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC	ISO18000-6C
IC Type Available	TK4100, T5577, EM4200, other on request	I-Code SLIX,, Mifare Ultralight, Mifare Classic 1K, Mifare Classic 4K, Ntag203, other on-request	Alien Higgs9, NXP U-Code8, NXP U-Code9
Size Inlay	25mm diameter	25mm diameter	25mm diameter
Read Range	Up to 10cm	Up to 10cm	

CUSTOMIZATION OPTIONS

Printing laser engraving: Serial UID, serial progressive number from database, randomize number from database text. Other customization on required.

Pre-Encoding: Customer specific encoding LF or HF (ISO15693 or ISO14443) user memory and UHF EPC. For NFC chip encoding memory with different type of NFC (E-mail, URI etc.)

ORDER INFORMATION

Standard product is made with Nylon Material and Epoxy

PRODUCT CODE: GT-GRBGY-xx (xx defined type of chip required)

On demand we can also produce transponder with different color or with other type of customization... contact us for more information:

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DISCLAIMER

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Application recommendations are guidelines only - actual results may vary and should be confirmed. This is a general purpose product not designed or intended for any specific application.

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