# MICROTY RFID UHF




UHF

CE RoHS

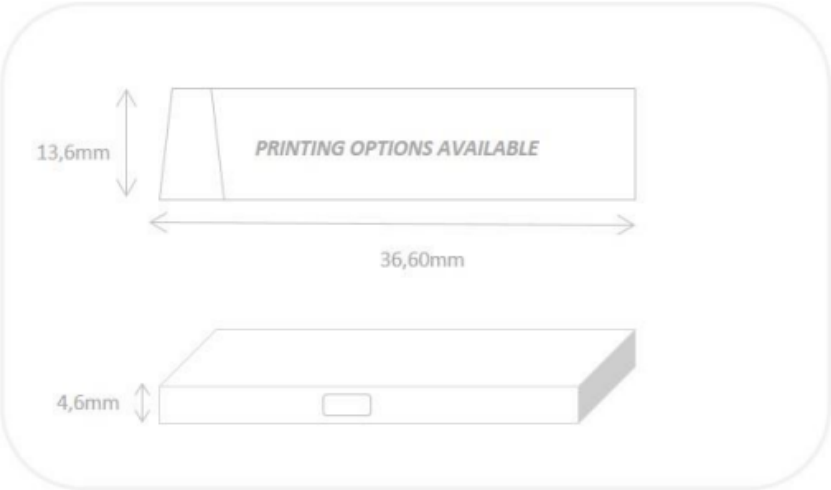
Global Tag MICROTY is a small RFID UHF On-Metal tag, that has been designed for indoor and outdoor applications. Its competitive advantages is represented by the several application ways: it can be applied through 3M adhesive, through cable tie thanks to its special holes, with iron wire or with magnets, ensuring quick installation and high flexibility across different use cases.

Different customizations are available, as EPC encoding, serial number engraving, QRcode, barcode or logo printing and some other options on demand, allowing seamless integration into existing identification and tracking systems.

It's the best solution for maintenance application, tracking of production steps, container traceability and application where harsh environments are expected, guaranteeing reliable performance even in challenging industrial conditions.

## MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:

**Dimensions:** 37,6x13,6x4,6mm / 1,48x0,54x0,18 inches




**Mounting System:** Adhesive (3M 300LSE), cable tie, magnete, iron wire.
**Weight:** 2,2 gr.
**Material:** PC
**Color:** Generally black – Printable surface
**Class Protection:** IP68 (Totally protected against ingress of solid / Protected against short periods of immersion in water.)
**Storage Temperature:** -40˚C (for 3h) to +70˚C (for 2h) (for any other particular request contact us)
**Operating Temperature:** -20˚C to +70˚C
**Weather Ability:** Very Good, including UV resistance and sea water
**Delivery format:** Individual
**Expected lifetime:** 10+ Years in normal operating conditions
**Certificate:** EPC Global

## AVAILABLE CHIP SPECIFICATION:

| | UHF 860-960MHz |
|---|---|
| Device type | Class 1 Gen 2 |
| Air interface protocol | ISO18000-6C |
| IC Type Available | Monza R6, Monza R6-P<br>other on-request |
| Read Range | Up to 4/5meters (fixed reader)<br>Up to 2,5 meters (handeld reader) |

## CUSTOMIZATION OPTIONS:

**Printing options:** Printing or laser engraving of serial progressive number from database, codes from database and Barcode or QRCode. Other customization on request.
**Silk Printing:** 2-colors logo printing.
**Pre-Encoding:** Customer specific encoding of EPC or User Memory (also from Database). Locking permanently or with password. Insert into Database TID code

## INSTALLATION MODE:

**With 3M 300LSE Adhesive model:** before mounting the tag with glue, clean and dry the surface to obtain the maximum bond strength.
**With cable tie / Iron wire:** Thanks to its side holes, you can apply the RFID Microty using cable ties or iron wire
**Magnet:** Microty is available also with magnet to be applied on metal surfaces in an easy way.

## APPLICATION NOTE:

**On-Metal Bins management:** MICROTY can be used to track and manage bins even when they are outdoors or in harsh conditions.
**On Metal Waste bin management:** MICROTY can be applied on-metal waste bins.
**Logistics, supply chain and Yard management: :** MICROTY is ideal for track and monitor container, pallets, carts, construction vehicles or again other metallic components.
**On-Metal assets maintenance:** MICROTY is a tag designed to improve the maintenance service with its easy way for on –metal surface application.
**Metal pipe maintenance:** MICROTY is a suitable solution for metal pipe tracking and maintenance, thanks to its holes for cable tie

## ORDER INFORMATION:

**Standard product is made with Monza R6-P chip**
**PRODUCT CODE**: GT-MCRTY-MR6P

**Please contact us for more information:**

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