

PRODUCT DATASHEET
GLOBAL TAG ON-METAL TOKKY 34

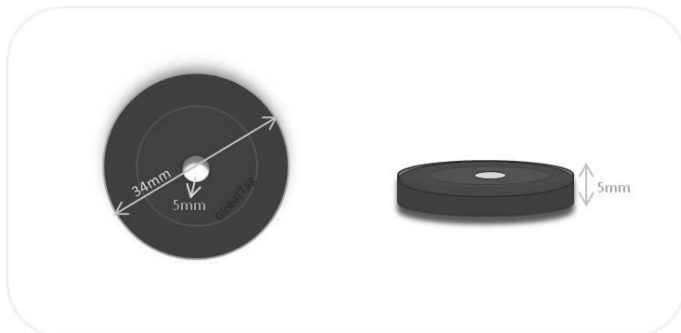

Global Tag **ON-METAL TOKKY 34** is a round RFID hard tag, suitable for both metal and no-metal surfaces. This IP68 transponder can be mounted in indoor and outdoor environments.

ON-METAL TOKKY 34 has a 34mm diameter and a 5mm internal hole: it can be mounted on every surface through screws, rivets or with the backside 3M glue.

For the most industrial uses, the optional resin injection makes the tag highly strong and resistant.


MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 34mm diameter / 1,34in diameter



Mounting System: Rivet / screw hole \varnothing 5mm (0,20 in) and/or adhesive (3M). Optional 2or 3mm Foam.

Weight: 4,4gr.

Material: High Quality ABS (for case) – Optionally Foam (for support layer)

Color: Generally dark grey or white. Other colors can be provided with MOQ.

Class Protection: IP68 (Totally protected against entry of solid / Protected against long immersion intervals)

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: -25°C to +85°C / -13°F to +185°F

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

Delivery format: Individual

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
Device type	N.D.	N.D.
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC
IC Type Available	TK4100, T5577, EM4200, other on request	I-Code SLIX, I-Code SLIS, Mifare Ultralight, Mifare Classic 1K, Mifare Classic 4K, N-tag213, other on-request
Size Inlay	30mm diameter	30mm 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.

Silk Printing : 4-colors printing logo (depends from logo type)

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

Resin: This option helps to make the tag stronger and the antenna more stable.

INSTALLATION MODE

3M 467MP Adhesive: when mounting the tag with backside adhesive, clean and dry the surface in order to get the maximum bond strength. For more information about adhesive check this link: <http://multimedia.3m.com/mws/media/1040640/high-performance-adhesive-transfer-tapes-with-3m-adhesive-200mp.pdf>

2mm Foam: To improve the adherence when the tag is mounted on irregular surfaces .

Screws: Size M5.



Pop Rivet: Size 4mm..

APPLICATION NOTE

Asset management: **ON-METAL TOKKY 34** with small size and hole, can be used to track and manage assets even when they are outdoors or in harsh conditions. With adhesive, and also with screws, it's very easy to be mounted.

Production management: **ON-METAL TOKKY 34** helps to track and trace all production steps inserting in memory all information for quality control, production batch, timing of production and so on.

Maintenance: **ON-METAL TOKKY 34** is a strong tag designed to improve the maintenance service (for example of lift, electric panels).

Management of security patrols: **ON-METAL TOKKY 34** is a great solution tor check points of security for security patrols company.



ORDER INFORMATION

Standard product is made with ABS Material for On-Metal Surface

PRODUCT CODE: GT-TKKY34-xx (xx defined type of chip required)

On request we can made this tag with Nylon Material for On-Metal Surface

PRODUCT CODE: GT-TKKY34_B-xx (xx defined type of chip required)

On demand we can produce transponders 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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