

PRODUCT DATASHEET

GLOBAL TAG ON-METAL TOKKY 34



Global Tag **ON-METAL TOKKY 34** is a wall-mount rugged IP68 transponder with a 5mm central hole. It is available in LF, HF (both ISO14443 and ISO15693), and also NFC.

ON-METAL TOKKY 34 is suitable for both metal and no-metal surfaces (such as plastic, glass or wood).

Different customizations are available, such as color mold, UID or serial number engraving, strong adhesive with foam



MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 34mm diameter / 1,34in diameter



Mounting System: Rivet Holes (one hole) \varnothing 5mm (0,20 in) and/or adhesive (3M 467). Optional 2or 3mm Foam
Weight: 4gr.

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

Color: Generally dark grey – 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: -25°C to +85°C / -13°F to +185°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
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

ON-METAL SOLUTION

ON-METAL TOKKY 34 is generally made with inner insulating layer for metal surface. This solution is also suitable for different material surfaces (plastic, glass, wood, ecc..). For custom production we are able to produce **TOKKY34** without integrated on-metal layer.

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.)

Insulating Material: This option help to make more stronger also internal antenna position. It's testing for trampling of a cow.

INSTALLATION MODE

With 3M 467MP Adhesive model: when mounting the tag with adhesive background, clean and dry the surface for obtaining maximum bond strength. Ideal temperature

For more information about adhesive check at this link: <http://multimedia.3m.com/mws/media/1040640/high-performance-adhesive-transfer-tapes-with-3m-adhesive-200mp.pdf>

With Foam 2 or 3mm: when mounting the tag on irregular surface you can use foam 2or 3mm with one side 3M 467 adhesive.

For more information about adhesive check at this link: <http://multimedia.3m.com/mws/media/1040640/high-performance-adhesive-transfer-tapes-with-3m-adhesive-200mp.pdf>

With Screws: Size M4.

With Pop Rivet: Size 4mm. We have available rivet and also optional Manual pistol rivet.



Note: Screw or Pop Rivet are recommended to be used in every application that includes risk for high mechanical stress or low temperature during tag fixing with adhesive.



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 screw it's very easy to applied.

Production management: **ON-METAL TOKKY 34** help 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 strong tag made to improve maintenance service (for example of lift, electric panels).

Management of security patrols: **ON-METAL TOKKY 34** is best solution for 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)

Foam adhesive optionally has code:

PRODUCT CODE: GT-FOAM2_34 Foam material circular size 34mm with 2mm thickness

PRODUCT CODE: GT-FOAM3_34 Foam material circular size 34mm with 3mm thickness

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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