

PRODUCT DATASHEET

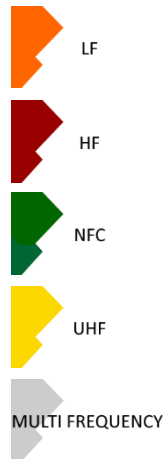
GLOBAL TAG T-REXY



Global Tag **T-REXY** Tag is a very heavy IP68 transponder which can be supplied in ABS or Nylon material. It is available in LF, HF (and NFC), UHF or with Dual Frequency chip integrated in the same hardware.

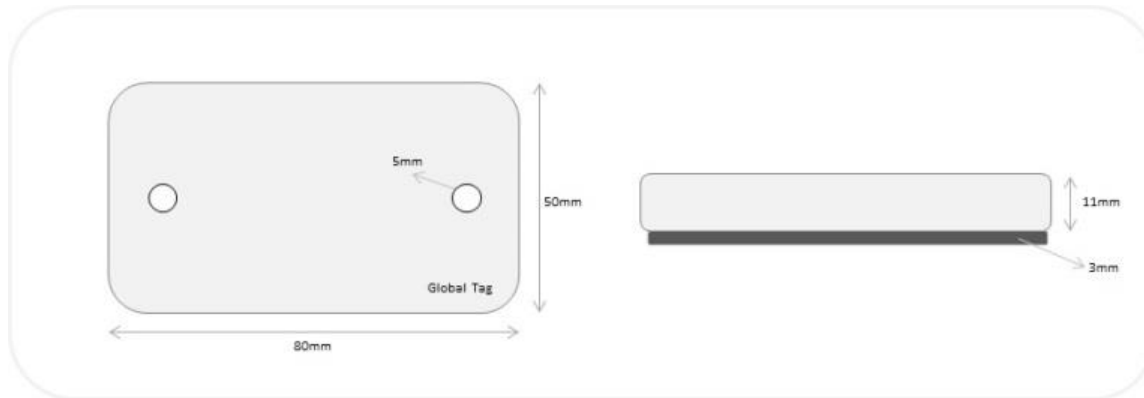
T-REXY can be glued or screwed (thanks to the lateral holes) on each surface, also On-Metal surfaces.

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



MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 80x50x14mm (with 3mm foam + adhesive) / 3,15x1,96x0,55 in



Mounting System: Rivet Holes (two holes) : \varnothing 5mm (0,20 in) and adhesive Foam (3M 467) for irregular surface

Weight: 15gr.

Material: High Quality ABS or Nylon (for case) – Foam with 3M 467 adhesive (for support layer)

Color: Generally white grey – Optionally any other colors are available

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

Storage Temperature: -55°C (for 3h) to +100°C (for 2h) / -67°F (for 3h) to +230°F (for 2h) (for any other particular request 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	UHF 860-960MHz
Device type	N.D.	N.D.	Class 1 Gen 2
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC	ISO18000-63
IC Type Available	TK4100, T5577, EM4200, other on request	I-Code SLIX, I-Code SLIS, Mifare Ultralight, Mifare Classic 1K, Mifare Classic 4K, Mifare Plus X 4K, Mifare Desfire 4K, STM LRI2k, Ntag213, Ntag216, other on-request	Alien Higgs3, Alien Higgs 4, Monza 5, other on-request
Size Inlay	38x22,5mm	38x22,5mm (other on request)	73x13mm
Read Range	From 2 to 50cm	From 2 to 50cm	Up to 5meters

DUAL FREQUENCY SOLUTIONS AVAILABLE

T-REXY can be made with integrated with two different inlay* for dual frequencies solutions. Many different schemes are available:

LF + HF ISO15693

LF + HF ISO14443

LF + UHF ISO18000-63

HF ISO14443 (or NFC) + HF ISO15693

HF ISO14443 (or NFC) + UHF ISO18000-63

HF ISO15693 + UHF ISO18000-63

*All solutions are available with chip as over described

CUSTOMIZATION OPTIONS

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

Silk Printing : 4-colors printing logo

Pre-Encoding: Customer specific encoding of EPC or User Memory (also from Database). Locking permanently or with password. Insert into Database TID code.

On Dual Frequency type, insert in EPC UHF serial UID of LF or HF inlay.

INSTALLATION MODE

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

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: **T-REXY** can be used to track and manage corporate asset even when they are outdoors or in harsh conditions. By using adhesive or screw, it's very easy to applied.

Production management: **T-REXY** helps to track and trace all production steps, by inserting all information in memory for quality control, production batch, timing of production and so on.

Logistics, supply chain and Yard management: **T-REXY** is made to control container, pallets, carts, vehicles construction or again trains and rails.

Waste bin management: **T-REXY** can be applied on waste bins made of plastic or metallic material

Maintenance: **T-REXY** is a strong tag designed to improve maintenance service.

ORDER INFORMATION

Standard product is made with ABS Material and Foam adhesive 3mm

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

On request we can made this tag with Nylon Material and Foam adhesive 3mm

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

Other order type can be without Foam adhesive:

PRODUCT CODE: GT-TRXY_NA-xx (xx defined type of chip required) - ABS material

PRODUCT CODE: GT-TRXY_BNA-xx (xx defined type of chip required) - Nylon material

On demand we also can produce transponder with different colors or with other type of customizations... 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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