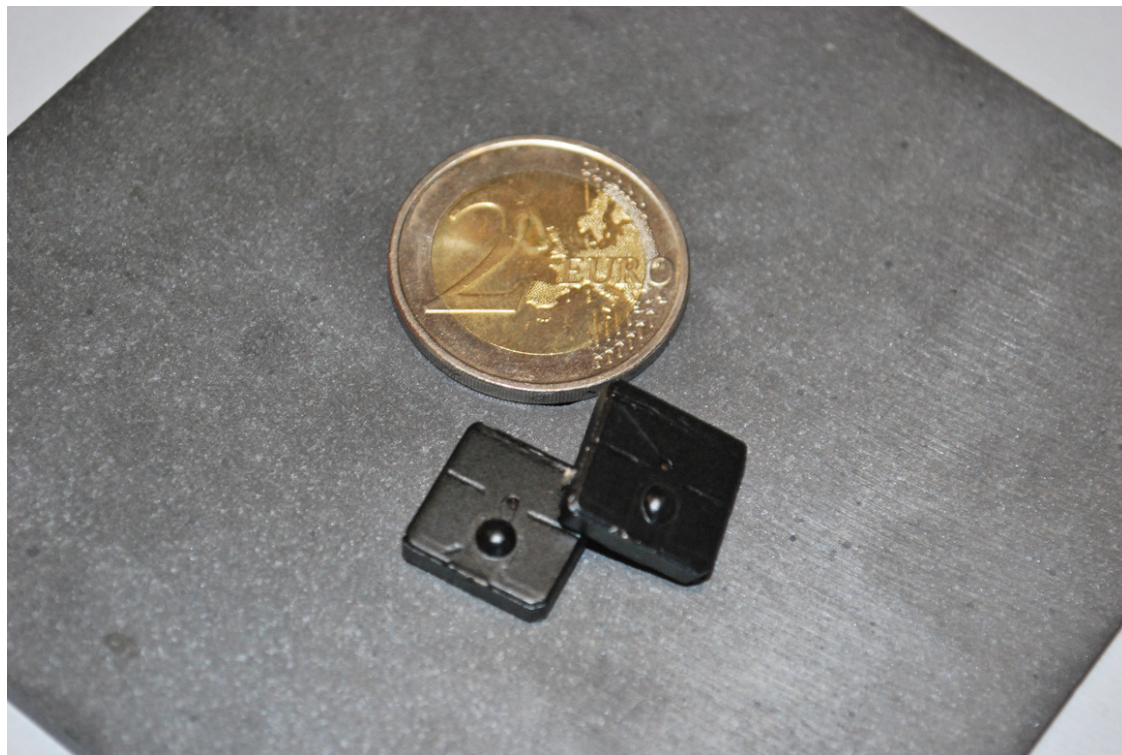


IN-METAL TINY-M



Global Tag **IN-METAL TINY-M** is a compact 13 x 13 mm UHF RFID tag designed for both in-metal and on-metal applications. Despite its reduced dimensions, it offers very high RFID performance, making it suitable for projects where installation space is limited but a good reading distance is still required.

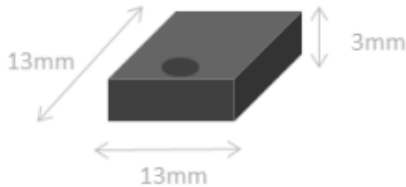
Developed for both indoor and outdoor environments, IN-METAL TINY-M can be integrated directly into metal objects and is ideal for the identification and tracking of tools, components, assets and industrial equipment.

Its design has been specifically developed to achieve an effective balance between compact size and reading performance, making IN-METAL TINY-M a versatile solution for industrial, manufacturing, maintenance and traceability applications.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 13x13x3mm / 0,512x0,512x0,118 in

Weight: 2,3 g



Mounting System: for in-metal solution need to make hole 14x8mm with 4mm depth.

Material: Ceramic

Color: Black

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

Storage Temperature: -40°C to +250°C / -40°F to +482°F

Operating Temperature: -25°C to +150°C / -13°F to +302°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
- 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:

	UHF 860-960MHz
Device type	Class 1 Gen 2
Air interface protocol	ISO18000-63
IC Type Available	Alien Higgs3, other on-request
Size Antenna	10x10mm
Read Range	Up to 150cm

CUSTOMIZATION OPTIONS:

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

3M Adhesive

Printing options

INSTALLATION MODE:

For in-metal solution need to make hole 14x8mm with 4mm depth. Generally hole is filled with epoxy resin to protect and to block tag.

APPLICATION NOTE:

Machinery parts tracking: **IN-METAL TINY-M** can be used to track and manage small machinery parts, also metallic components thanks to smallest size and good performance. With in-metal solution, transponder can be hidden into component.

IT asset management: **IN-METAL TINY-M** with small size can be used for IT asset management as Tablet, smartphone and other small size equipment.

ORDER INFORMATION:

Standard product is made with Alien Higgs3 chip

PRODUCT CODE: GT-TNY_M-AH3

For printing options or for produce transponder with different color or with other type of customization... contact us for more information:

P +39 030 2005259

S global-tag

W www.global-tag.com

M sales@global-tag.com

DISCLAIMER:

The information in this document is subject to change without notice. Global Tag assumes no responsibility for any errors that may appear in this document. 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. Global Tag Srl or its subsidiaries are not responsible for the performance or support of third party products and does not make any representations or warranties whatsoever regarding quality, reliability, functionality, or compatibility of these devices or products.

© Copyright 2025 - Global Tag Srl