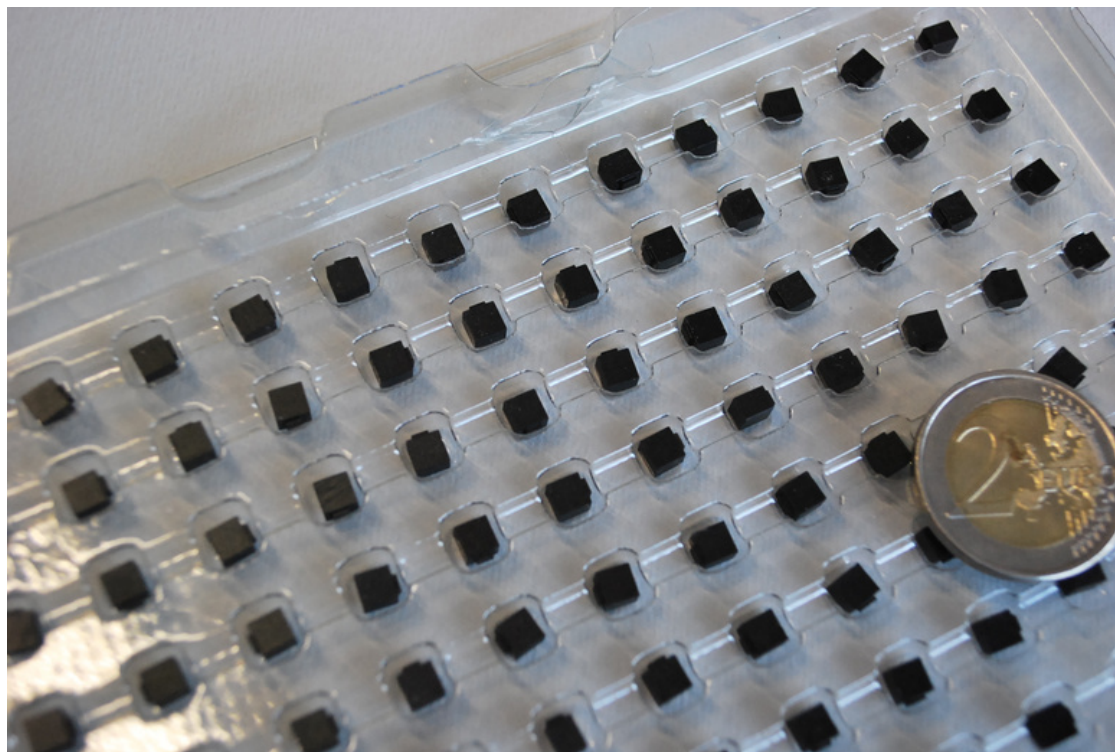


IN-METAL TINY-XXS



Global Tag **IN-METAL TINY-XXS** is an extremely compact and high-performance UHF RFID tag designed for in-metal and on-metal applications. Thanks to its very small dimensions, it is ideal for integration into metal objects where the available installation space is extremely limited.

Suitable for both indoor and outdoor environments, IN-METAL TINY-XXS is particularly recommended for the identification, tracking and maintenance of small metal assets, tools, components and industrial equipment. Its compact design makes it especially suitable for manufacturing and industrial applications where standard RFID tags cannot be easily installed.

A dedicated high-temperature version, able to withstand temperatures up to 240°C, is also available for more demanding industrial environments.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 3,8x3,8x3mm / 0,149x0,149x0,118 in

Weight: 0,25 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	3mm
Read Range	Up to 55cm (with 2W)

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.

High Temperature Resistance: There is available a version that can be resist up to 240°C for some minutes. Please contact us for more information about this.

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.

ORDER INFORMATION:

Standard product is made with Alien Higgs3 chip

PRODUCT CODE: GT-TNY_XXS-AH3

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

Global Tag Srl – Via Zanardelli 13/A, 25062 Concesio (BS) - Italy

P +39 030 2005259

S global-tag

W www.global-tag.com

M sales@global-tag.com

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