

IN-METAL TINY-XS



Global Tag **IN-METAL TINY-XS** is a very compact and high-performance UHF RFID tag designed for both in-metal and on-metal applications.

Thanks to its small dimensions, it is ideal for installations where the transponder needs to be integrated directly into metal objects and the available space is limited.

Suitable for both indoor and outdoor environments, IN-METAL TINY-XS offers an excellent balance between compact size and RFID performance, making it one of the most popular solutions in the IN-METAL range. It is particularly suitable for asset tracking, tools, components and industrial applications.

A dedicated High Temperature version, resistant up to 240°C, is also available for demanding industrial environments.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: 4,8x4,8x3mm / 0,188x0,188x0,118 in

Weight: 0,4 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	4mm
Read Range	Up to 80cm

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.

APPLICATION NOTE:

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

Gun Tracking : **IN-METAL TINY-XS** also is used to trace and track gun. The very small size can be integrated into gun and hidden and not removable.

ORDER INFORMATION:

Standard product is made with Alien Higgs3 chip

PRODUCT CODE: GT-TNY_XS-AH3

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

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