

ON-METAL HARDY_13



Global Tag **ON-METAL HARDY_13** is a small circular on-metal UHF tag, with high performance. Designed for indoor and outdoor environments, it is the best solution if you need to track metal objects in industrial environment. It can be mounted using the optional 3M adhesive or through the hole for a quick fixing way.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:

Dimensions: 13mm diameter (0,51inch); thickness:2,8mm (0,11inch)

Mounting System: Rivet Holes (two holes): ϕ 2mm (0,079 in) or Adhesive (3M)

Weight: 0,6gr.

Material: PCB Material

Color: Generally black color – Available optionally any other colors

Class Protection: IP67 (Totally protected against ingress of solid / Protected against short periods of immersion in water.)

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: 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

- 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.

INSTALLATION MODE:

With 3M 55280 Adhesive model: when mounting the tag with adhesive background, clean and dry the surface for obtaining maximum bond strength.

Through holes: n.2 2mm diam. holes; n.4 1mm diam. holes

CUSTOMIZATION OPTIONS:

Laser engraving: serial progressive number from database, randomize number from database text and Barcode or QRCode. Other customizations on request.

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

ORDER INFORMATION:

Standard product is made with Alien Higgs3 chip

PRODUCT CODE: GT-HRDY_13-xx (xx defines the selected IC chip)

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