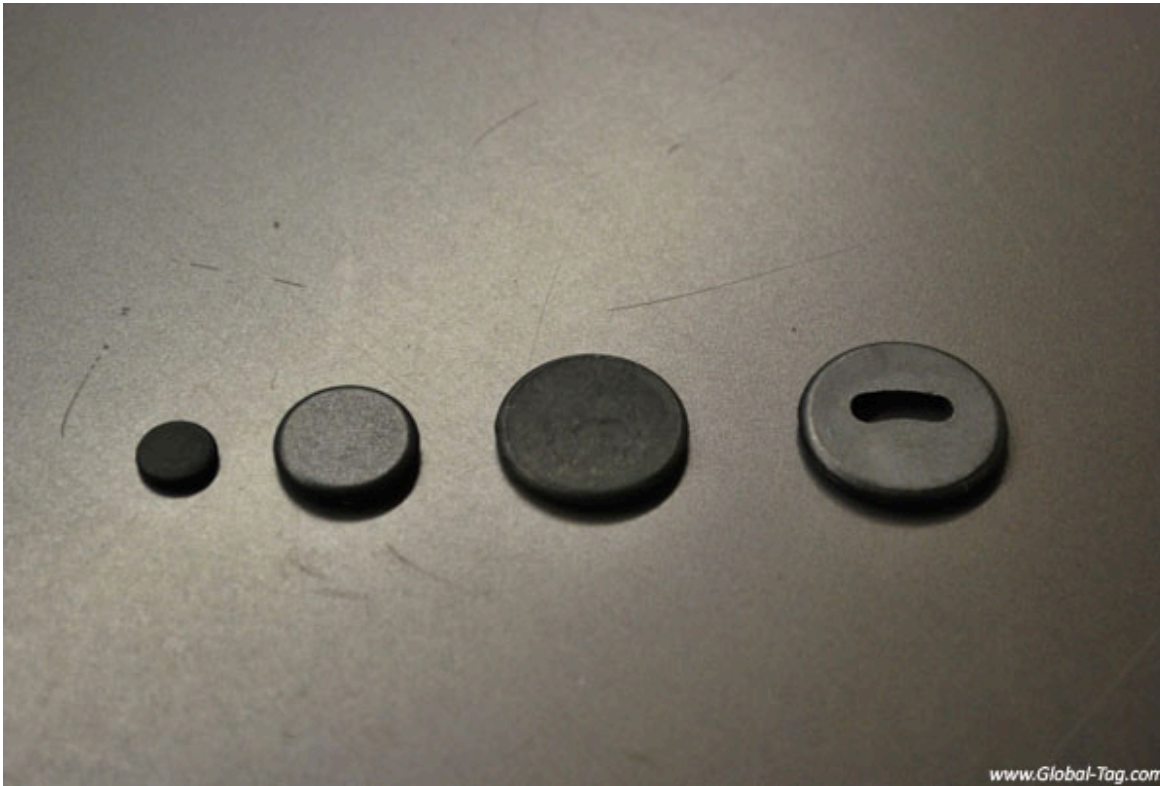


# RFID HIGH TEMPERATURE TAG



Global Tag High Temperature TAG is a RFID and NFC tag which can resist high temperatures, up to 200°C, ensuring reliable performance even in demanding industrial environments where standard tags cannot operate.

High Temperature TAG is suitable for projects where the need is a transponder able to withstand heat, but also dust, shock and water immersion, providing consistent identification and traceability in harsh conditions.

Given its features, this model is increasingly selected for the identification and tracking of objects in industrial applications, particularly where durability and long-term resistance are essential.

Many customizations are available, such as laser engraving and memory encoding, allowing seamless integration into tracking systems. In addition, a UHF version of the tag has been developed to meet different reading distance and application requirements.

## MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:

**Dimensions:** Ø15 to 35mm diameter / Ø0,59in to 1,38in diameter

**Thickness:** 2,5mm / 0,098in

**Weight:** depends on tag diameter

**Material:** Hard PPS

**Color:** Generally black – available also in clear grey

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

**Storage Temperature:** -55°C to +200°C / -67°F to + 392°F

**Operating Temperature:** -25°C to +180°C / -13°F to +356°F

**Delivery format:** Individual

**Expected lifetime:** Years in normal operating conditions

## CHIP SPECIFICATION AVAILABLE:

	LF 125Khz	HF 13,56MHz
Device type	N.D.	N.D.
Air interface protocol	N.D.	ISO14443 and ISO15693 and NFC
IC Type Available	TK4100, T5577, other on request	I-Code SLIX, Mifare Ultralight, Mifare Classic 1K, Ntag213, Ntag216, others on-request
Read Range	Up to 10cm	Up to 10cm

## CUSTOMIZATION OPTIONS:

**Laser engraving:** Serial numbers, Codes from customer database, QR and barcode.

**Memory encoding:** It is possible to encode the memory/EPC of the HF and UHF tags

**On-Metal Layer:** An insulant layer (+ glue) can be added, in order to mount the PPS tag on metal surface without losing RF performances

**Foam and/or Glue:** It is possible to order the product with an additional layer of foam, in order to improve the adherence, and with hot melt or 3M adhesive

**UHF version:** A PPS 18mm diameter tag has been developed for specific applications

## **INSTALLATION MODE:**

**With 3M glue:** when mounting the tag with adhesive background, clean and dry the surface to get the maximum bond strength

**With rivet/screws:** the PVC disk can be provided with hole(s) for the mounting with rivets/screws

## **APPLICATION NOTE:**

- Item-level management
- RFID/NFC projects run in high temperature environments
- Industrial laundry

## **ORDER INFORMATION:**

**Standard product High Temperature TAG**

**PRODUCT CODE:** GT-DSKYB\$\$-xx

(\$\$ defined diameter size; xx defined type of chip required)

## **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](http://www.global-tag.com)

**M** [sales@global-tag.com](mailto: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.