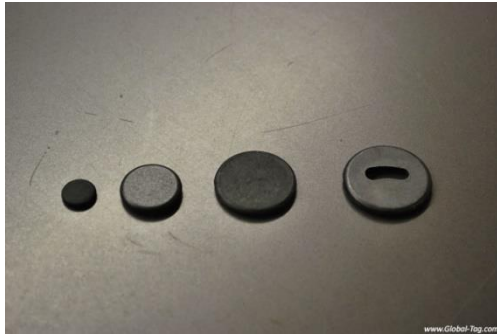


PRODUCT DATASHEET

GLOBAL TAG **HIGH TEMPERATURE TAG**



Global Tag **HT TAG** is a RFID and NFC tag which can resist high temperatures, up to 200°C.

HT TAG is suitable for projects where the need is a transponder able to withstand heat, but also dust, shock and water immersions. Given its features, this model is more and more selected for the identification and tracking of objects in the industrial world.

Many customizations are available, such as laser engraving and memory encoding. Besides, an UHF version of the tag has been designed.



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 (

*the smaller on-metal HT tag is 13mm) → check the specific on-metal product: <https://global-tag.com/project/rfid-hf-on-metal-rugged-tag/>

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 **HT TAG**

PRODUCT CODE: GT-DSKYB\$\$-xx (\$\$ defined diameter size xx defined type of chip required)

On demand we can also produce transponder with different color or with other type of customization... contact us for more information:

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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.

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