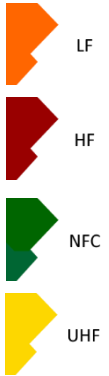# PRODUCT DATASHEET
GLOBAL TAG **PVC DISK**

PVC disk is a versatile RFID tag for the identification of different kind of objects. It is available in LF, HF (ISO15693 and ISO14443), UHF and also, on demand, in dual frequency.

Waterproof, dustproof, and resistant to immersions in salt water, alcohol and oil, it is is a suitable solution for most radio frequency identification projects.

This tag boasts a high degree of customization: from full-colour offset printing, barcode, QR, code and serial lasering, to memory encoding, both HF and UHF. The tag can also be provided with holes, in different positions and different diameters.

LF
HF
NFC
UHF

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: Ø15 to 70mm diameter   /   Ø0,59in to 2,76in diameter

Thickness: 0,76mmmm   /   0,03in

Weight: depends on tag diameter

Material: Laminated PVC

Color: Generally White - Any other colors is available

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

Storage Temperature: -55°C to +60°C   / -67°F to + 140°F

Operating Temperature: -25°C to +50°C / -13°F to +185°F

Delivery format: Individual

Expected lifetime: Years in normal operating conditions

CHIP SPECIFICATION AVAILABLE

	LF 125Khz	HF 13,56MHz	UHF 860-960MHz
Device type	N.D.	N.D.	N.D.
Air interface protocol	N.D.	ISO14443 and ISO15693 and **NFC**	ISO18000-63
IC Type Available	TK4100, T5577, others on request	I-Code SLIX, Mifare Ultralight, Mifare Classic 1K, Ntag213, Ntag216, others on-request	Alien Higgs9, NXP U-Code 8, others on-request
Read Range	Up to 10cm	Up to 10cm	Up to 10m

CUSTOMIZATION OPTIONS

Offset Printing: Full-color offset logo printing

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 PVC tag on metal surfaces without losing RF performances.
Check the specific on-metal product: https://www.global-tag.com/project/rfid-on-metal-pvc-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 .

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

Asset tracking
Production control
Maintenance

ORDER INFORMATION

Standard product PVC DISK
PRODUCT CODE: GT-DSKYW$$-xx ($$ 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:
Global Tag Srl – Via Zanardelli 13/A 25062 Concesio (BS) - Italy

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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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