

PRODUCT DATASHEET

GLOBAL TAG RFID/NFC GLASS TAG



Global Tag **GLASS TAG** is a series of RFID (LF 134Khz or HF ISO14443 NFC) tags embedded in glass housings.

The size/performance ratio and the resistance to immersion in salt water, alcohol, oil, 10 % HCL and ammoniac make them a brilliant tag solution in many kinds of projects, such as livestock and animal identification, tracking of medical equipment, environmental and wildlife studies.

The products of the **GLASS TAG** series comply with ISO standards and are available with parylene coating to prevent the migration of the tag once implanted.



MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Available sizes with HF ISO14443/NFC (IC chip N-Tag216): 2,12x12mm

Available sizes with LF 134Khz (IC chip EM4305): 1,25x7mm; 1,4x8mm; 2,12x8mm; 2,12x12mm; 3x15mm; 4x32mm

Weight: from 0,1 to 0,8gr.

Material: BIO GLASS 8625

Color: transparent color

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

Storage Temperature: -40 °C to +90 °C, 1000 hours

Peak Temperature: +120 °C for 100 hours; +140 °C for 10 hours

Weather Ability: Very Good, including UV resistance and sea water

Delivery format: Individual

Expected lifetime: Years in normal operating conditions

Chemical resistance:

Waterproof of Chemical: according to IP68

Resistance to immersion in salt water, alcohol, oil, 10 % HCL and Ammoniac

Mechanical Resistance: Shock: IEC 68-2-29 / Vibration: IEC 68-2-6



CHIP SPECIFICATION AVAILABLE

	LF 134Khz	HF 13,56MHz
Device type	N.D.	N.D.
Air interface protocol	N.D.	ISO14443
IC Type Available	EM4305	NXP Ntag216
Read Range	From 1 to 40cm	From 1 to 10cm



CUSTOMIZATION OPTIONS

Pre-Encoding: Specific encoding of the memory which makes tag compatible with devices for subcutaneous injection

APPLICATION NOTE

Livestock and animal identification

Tracking of medical equipment

Environmental and wildlife studies

ORDER INFORMATION

PRODUCT CODES:

GT-GLSSY_2_12-NTAG216 → 2,12x12mm N-Tag216

GT-GLSSY_4_32-EM4305 → 4x32mm EM4305

GT-GLSSY_3_15-EM4305 → 3x15mm EM4305

GT-GLSSY_2_12-EM4305 → 2,12x12mm EM4305

GT-GLSSY_2_8-EM4305 → 2,12x8mm EM4305

GT-GLSSY_1_8-EM4305 → 1,4x8mm EM4305

GT-GLSSY_1_7-EM4305 → 1,25x7mm EM4305

For more information, do not hesitate to contact us:

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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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