

NAIL TAG LF AND HF



Global Tag RFID NAILY is a RFID tag designed as a nail, to be inserted to be inserted in pre-drilled surfaces. Particularly, it has been developed for the management of the trees in outdoor environments. To improve the resistance and the impermeability of the tag, and to make the chip more stable, it is produced with epoxy resin inside. RFID NAILY is available in LF and HF (also NFC) frequency.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions: Head circumference: 16mm / Diameter; body length: 37mm

Weight: 2,2gr.

Material: ABS + Epoxy

Color: Black Color

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

Storage Temperature: -55°C (for 3h) to +120°C (for 2h) / -67°F (for 3h) to +248°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 Salt water (salinity 35gr/L) exposure

- 200 hours NaClO (25% with water, Bleach) exposure

CHIP SPECIFICATION AVAILABLE:

	LF 125Khz	HF 13,56MHz
Device type	N.D.	N.D.
Air interface protocol	N.D.	ISO15693 and NFC
IC Type Available	TK4100, T5577	I-Code SLIX, NXP Mifare Ultralight, NXP Mifare Classic 1K, N-Tag213, N-Tag216
Read Range	3/4cm	3/4cm

CUSTOMIZATION OPTIONS:

Pre-Encoding: For NFC chip encoding memory with different type of NFC (E-mail, URI etc.)

APPLICATION NOTE:

Maintenance: NAILY is used for maintenance in many different environments.

Trees and Plants Traceability: NAILY, in particular with HF ISO14443 (NFC) chip, can be used for traceability and marketing information on plants and trees.

ORDER INFORMATION:

PRODUCT CODE: GT-NLYB-xx (xx defined type of chip required)

On demand we can also produce transponders with different color or with other type of customization

Contact us for more information:

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