

Glass Tag Animal ID

Overview

Frequency Band

LF 134,2 kHz

Chip

EM4305

SIC279

Other IC's on request

Hard Tag Dimensions

Ø 1.25 x 8.30 mm / 0.05 x 0.33 in

Ø 1.41 x 8.30 mm / 0.06 x 0.33 in

Ø 2.12 x 12 mm / 0.08 x 0.47 in

Ø 3.85 x 23 mm / 0.15 x 0.91 in

Ø 3.85 x 32 mm / 0.15 x 1.26 in

International Standard

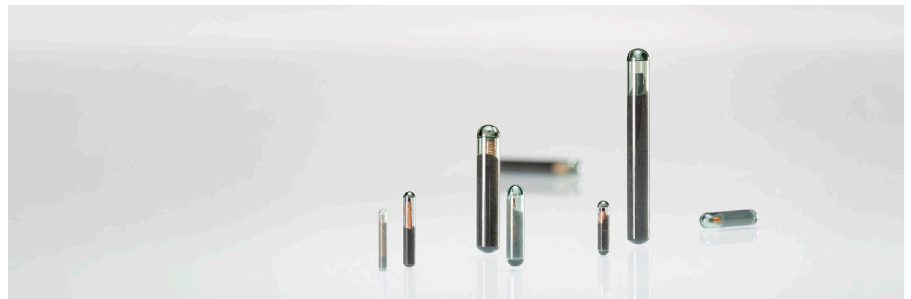
ISO 11784/85 FDX-A

ISO 11784/85 HDX

ISO 11784/85 FDX-B

Industry Segments

Animal Identification



High security for animal identification

Smartrac's Glass Tag Animal ID is a flexible and reliable solution for pet, livestock and fish identification, pigeon race and identification of laboratory animals. It is a flexible solution for secure animal identification that withstands most chemicals and harsh environment circumstances (Immersion IP68). The transponders are available in 134.2kHz.

The Glass Tag Animal ID is equipped with an OTP microchip. Thereby, several data rates can be programmed and data can be encoded via configuration word in EEPROM. Read and write access to EEPROM can be protected with a 32-bit password and a unique ID.

The Glass Tags Animal ID made out of biocompatible glass are manufactured in Germany under superior standards. Fully automated machines ensure constant quality on the highest possible level.

The glass transponders are suited for applications where data shall only be read from the transponder (read only) as well as for applications where data shall be written to and read from the chip (read / write mode) thus providing a high security level. Thanks to providing a unique ID, the transponders allow for easy handling with minimum effort.

All glass tags undergo a 100% test regarding optical, mechanical and electrical parameters prior to delivery thus guaranteeing highest quality standards.

Technical features

Chip	EM4305	EM4305	EM4305	EM4305	EM4305	EM4305	SIC279	SIC279
Total Memory	512-bit						340-bit	
TID Memory	Available for all							
Product Code	704587-P	704487-P	953006	953006-P	953007	953008	780217	780257
Hard Tag Dimension	Ø 1.25 x	Ø 1.41 x	Ø 2.12 x	Ø 2.12 x	Ø 3.85 x	Ø 3.85 x	Ø 3.85 x	Ø 3.85 x
	8.30 mm	8.30 mm	12 mm	12 mm	23 mm	32 mm	23 mm	32 mm
	0.05 x	0.06 x	0.08 x	0.08 x	0.15 x	0.15 x	0.15 x	0.15 x
	0.33 in	0.33 in	0.47 in	0.47 in	0.91 in	1.26 in	0.91 in	1.26 in
Housing Material	Glass Parylene C coating							
Operating Temperature	-25 °C to 85 °C -13 °F to 185 °F							
Storage Temperature	-40 °C to 90 °C -40 °F to 194 °F (max. 1000h)				-25 °C to 85 °C -13 °F to 185 °F (max. 1000h)			
Quality / Package	2000 pcs / plastic bag	2000 pcs / plastic bag	1000 pcs / plastic bag	1000 pcs / plastic bag	1000 pcs / plastic bag	1000 pcs / plastic bag	1000 pcs / plastic bag	1000 pcs / plastic bag
Certificates	IP68 ICAR							

Contact information

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Warranty: Please refer to Avery Dennison Intelligent Labels standard terms and conditions: rfid.averydennison.com/termsandconditions

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.