

Racetrack Lite

Overview

Frequency Band

HF 13.56 MHz

Chip

Chip Name

Antenna Dimensions

45 x 76 mm / 1.772 x 2.992 in

International Standard

ISO 15693

Industry Segments

Media and Document Management
Industrial Applications

Applications

Library
Product Authentication

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



Allrounder in credit card size for different applications

Our Racetrack Lite inlays and tags featuring NXP ICODE SLIX and SLIX2 ICs are designed for a variety of applications like library and media management. Racetrack Lite products offer excellent performance in all printed media products and applications including self-check and stack-reading capability and EAS.

Racetrack Lite equipped with NXP ICODE SLIX provides 896-bit of user memory, while NXP ICODE SLIX2 boasts an extended user memory of 2,528-bit. It provides best-in-class read range for EAS gates and less material detuning with printed media products.

The tag provides excellent and cost effective security performance products for disc media, including self-check multi-read and improved gate EAS. Racetrack Lite is delivered in the label / sticker format and selected paper is resistant to aging (ISO 9706 compliant). Paper grade together with PH-neutral adhesive make it suitable for archiving applications. It is the ideal product to complement advanced media management systems and offers a lifetime library warranty.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management. This ensures a reliable and state-of-the-art product that meets a variety of application needs, where high performance is a critical parameter.

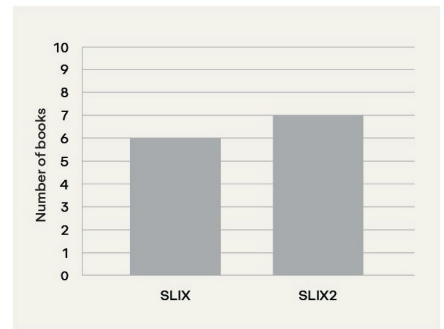
Technical features

Chip	NXP ICODE SLIX	NXP ICODE SLIX2
EPC and User Memory	896-bit	2500-bit
Product Code	3002103	3002986
Delivery Format	Label / sticker	Label / sticker
Die-Cut Dimension	49 x 81 mm / 1.929 x 3.189 in	49 x 81 mm / 1.929 x 3.189 in
Inlay Substrate	PET	PET
Face Sheet	Mid-gloss paper	Mid-gloss paper
Total Thickness	196 µm	196 µm
Standard Pitch	85 mm / 3.346 in	85 mm / 3.346 in
Web Width	53 mm / 2 in	53 mm / 2 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	1500 pcs/reel 3000 pcs/box	1500 pcs/reel 3000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	

Read range



Stack test



All graphs are indicative: performance in real life applications may vary.



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Warranty: Please refer to Avery Dennison 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.

