Racetrack Lite

Overview

Frequency Band
HF 13.56 MHz

Chip
NXP ICODE SLIX
NXP ICODE SLIX2

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/EU and
2015/863 Compliant

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.
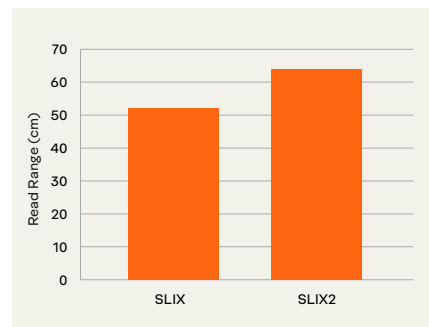
The tag provides excellent and cost effective security performance products for disc media, including self-check multi-read and improved gate EAS. Racetrack Lite is delivered in the label / sticker format and selected paper is resistant to aging (ISO 9706 compliant). Paper grade together with PH-neutral 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.
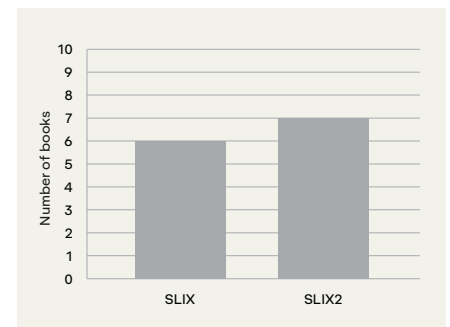
Technical features

Chip	NXP ICODE SLIX	NXP ICODE SLIX2
User Memory	896-bit	2500-bit
Product Code	3002103	3002986
Delivery Format	Label / sticker	
Die-cut Dimension	49 x 81 mm / 1.929 x 3.189 in	
Inlay Substrate	PET	
Face Sheet	Mid-gloss paper	
Total Thickness	196 µm	
Standard Pitch	85 mm / 3.346 in	
Web Width	53 mm / 2 in	
Core Size	76 mm / 3 in	
Quantity / Reel	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.

Contact information

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AVERY DENNISON

REACH COMPLIANCE

RoHS