

Block On-Metal

Overview

Frequency Band

HF 13.56 MHz

Chip

NXP ICODE SLIX 2

Antenna Dimensions

47 x 47 mm / 1.85 x 1.85 in

International Standard

ISO 15693

Industry Segments

Industrial Applications
Media and Document Management

Applications

NFC
Electronics

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Flexible ferrite-based NFC tags for multiple use

Our Block On-Metal tags have been specifically designed to work on metallic objects. They open the door to multiple industrial, retail and B2C applications involving the tagging of metal surfaces that need to be identified or interacted with, such as metallic parts, spare parts, signs, tools, machines, and even domestic items.

In our Block On-Metal tags, we combine a performance-optimized antenna design with a thin layer of flexible ferrite material, which isolates the magnetic field from the metal surface. Ferrite redirects the reader's inductive field, and prevents energy from being wasted as heat within the metallic surface.

The flexible ferrite-based NFC inlays are suitable for roll-to-roll manufacturing processes, which make onward processing much easier and more cost-effective, and allow converters to overprint the inlays if required.

The ICODE SLIX2 IC is the newest member of NXP's SLIX product family. The chip is fully backwards compatible to SLIX and offers an increased user memory size, along with new outstanding features and performance, such as NXP originality signature, increased speed for inventory management, increased read range, increased robustness against detuning effects, flexible user memory segmentation with separate access conditions and password protected on chip service cycle counter and a 2500-bit user memory size.

Our inlays and tags are compliant with ISO 9001:2008 Quality Management and ISO 14001:2004 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 2
User Memory	2500-bit
Product Code	3007195
Delivery Format	White wet inlay
Die-Cut Dimension	50 x 50 mm / 1.97 x 1.97 in
Inlay Substrate	PET
Face Sheet	White PP
Standard Pitch	56 mm / 2.205 in
Web Width	54 mm / 2 in
Core Size	76 mm / 3 in
Quantity / Reel	1,500 pcs/reel 3,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F

Contact information

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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.

