

Block

Overview

Frequency Band

HF 13.56 MHz

Chip

NXP ICODE ILT-M

Antenna Dimensions

45 x 45 mm / 1.77 x 1.77 in

International Standard

ISO 18000-3 Mode 3

Industry Segments

Media and Document Management
Industrial Applications

Applications

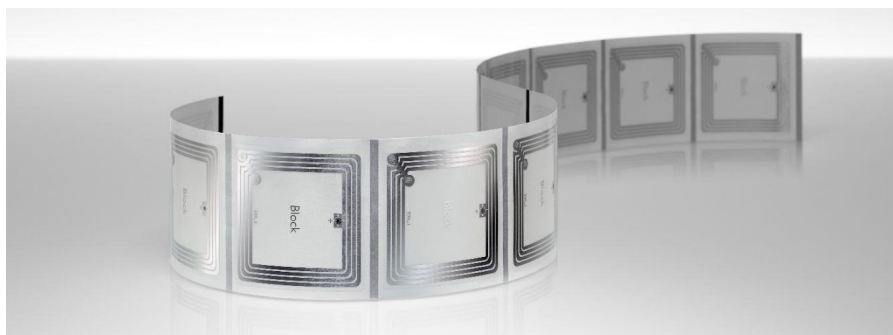
Documents and Files
Pharmaceutical and Healthcare

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Top performance tag for library and media management applications

Our Block inlays and tags featuring NXP ICODE ILT-M IC are designed to allow close stacking or contact that confuses other inductively coupled HF and LF tags.

Block inlays and tags with NXP ICode ILT-M ICs offer two key benefits. Firstly, they have excellent performance in document and item identification where close stacking occurs, which is a challenging environment for other passive protocols.

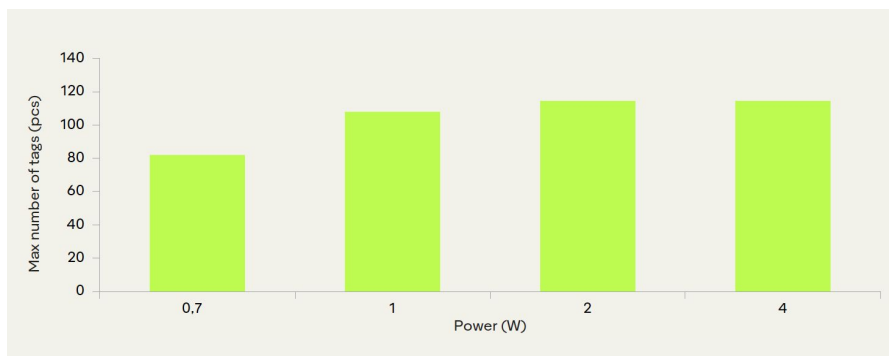
Secondly, Block tags and inlays also work well in applications where very fast inventory of multiple tags in the field occurs. In these cases, Block tags offer performance approaching UHF EPC Class 1 Gen 2.

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 ILT-M	
EPC and User Memory	240-bit and 512-bit	
Product Code	3002297	3002458
Delivery Format	Wet inlay	Dry inlay
Die-Cut Dimension	48 x 48 mm / 1.89 x 1.89 in	–
Inlay Substrate	PET	PET
Face Sheet	Clear PET	CLEAR PET
Total Thickness	136 µm	116 µm
Standard Pitch	54 mm / 2.126 in	54 mm / 2.126 in
Web Width	54 mm / 2.126 in	54 mm / 2.126 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	2,000 pcs/reel 6,000 pcs/box	5,000 pcs/reel 10,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	

Stack test



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

Contact information

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Connect with us on:



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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.

