

# AD Circus™ ICODE ILT-M

## Overview

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**Frequency Band**

HF 13.56 MHz

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**Chip**

NXP ICODE ILT-M

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**Antenna Dimensions**

Ø 22 mm / 0.87 in

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**International Standard**

ISO 18000-3 Mode 3

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**Industry Segments**

Electronics and Gaming

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**Applications**

Media and Document Management  
Healthcare

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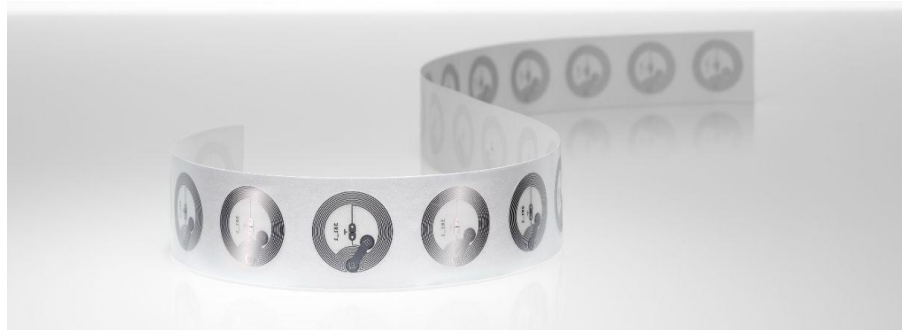
**RoHS**

EU Directive 2011/65/EU and  
2015/863 Compliant

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**REACH**

Regulation (EC) No 1907/2006



## Small HF inlay for close stacking applications

Our Circus™ inlays and tags are designed to suit applications where small size and best performance are a must. Featuring NXP ICODE ILTM IC, Circus™ allow close stacking or contact that confuses other inductively coupled HF and LF tags.

Circus™ inlays and tags with NXP ICode ILT-M ICs offer provide excellent performance in document and item identification where close stacking occurs, which is challenging environment for other passive protocols. The tag also work well in applications where very fast inventory of multiple tags in the field occurs, e.g. counting casino chips. In these cases, Circus™ tags offer performance approaching UHF EPC Class 1 Gen 2.

Avery Dennison 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	NXP ICODE ILT-M	NXP ICODE ILT-M
EPC and User Memory	512-bit	512-bit	512-bit
Product Code	3002540 / IL-602742	3004385 / IL-602826	3006930 / IL-603316
Delivery Format	Wet inlay	Wet inlay +	Label
Die-Cut Dimension	Ø 25 mm / 0.984 in	Ø 25 mm / 0.984 in	Ø 25 mm / 0.984 in
Inlay Substrate	PET	PET	PET
Face Sheet	-	Clear PET	Mid-gloss paper
Total Thickness	111 µm	141 µm	200 µm
Standard Pitch	30 mm / 1.181 in	30 mm / 1.181 in	30 mm / 1.181 in
Web Width	30 mm / 1.181 in	30 mm / 1.181 in	30 mm / 1.181 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	5000 pcs/reel 15000 pcs/box	5000 pcs/reel 15000 pcs/box	5000 pcs/reel 15000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		

### Contact information

[rfid.averydennison.com/contact](https://rfid.averydennison.com/contact)  
+1-678-617-2359

Connect with us on:



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**Warranty:** Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](https://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.