

Belt

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7

Antenna Dimensions

70 x 10 mm / 2.76 x 0.39 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Apparel
Industrial Applications

Applications

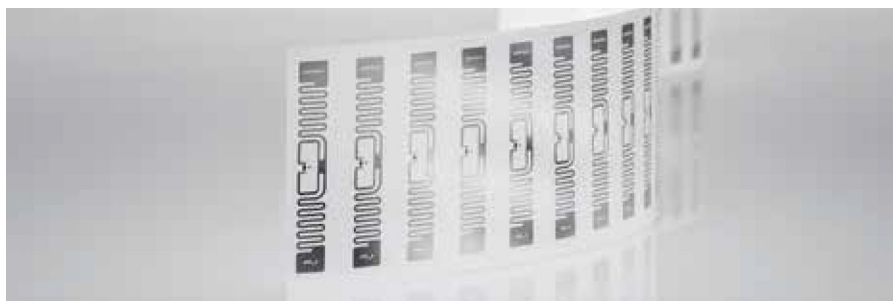
Brand Protection
Supply Chain Management
Home Essentials

RoHS

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

REACH

Regulation (EC) No 1907/2006



Compact size and high performance in item-level tagging

Our Belt inlays and tags are designed for global retail, industry and supply chain applications with excellent performance, including in close coupling environments.

Belt inlays and tags have a compact 76 mm / 3 inch form factor, which can be easily converted into end-application usage, and are available in dry, wet and label / sticker delivery formats. They are available with the NXP UCODE 7 chip that offers a 96-bit Tag Identifier (TID) factory locked with a 48-bit unique serial number factory-encoded into TID.

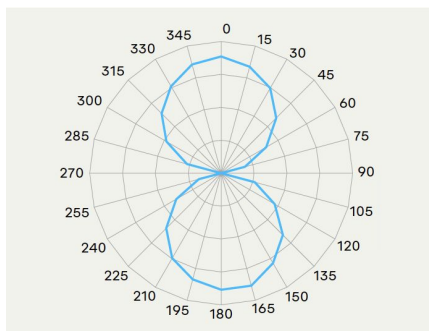
Belt with the NXP UCODE 7 IC, used in retail applications, is included on the approved inlay list for boxed electronics by the RFID Research Center at the University of Auburn, and complies with categories A, B, D, F, G, K, I, M, N and Q. Furthermore, it meets GS1 Tagged-Item Performance Protocol (TI PP) Tagged-Item Gradings M10B S15B, M15B S15B and M20D S15D for the retail supply chain,retailers and suppliers.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.

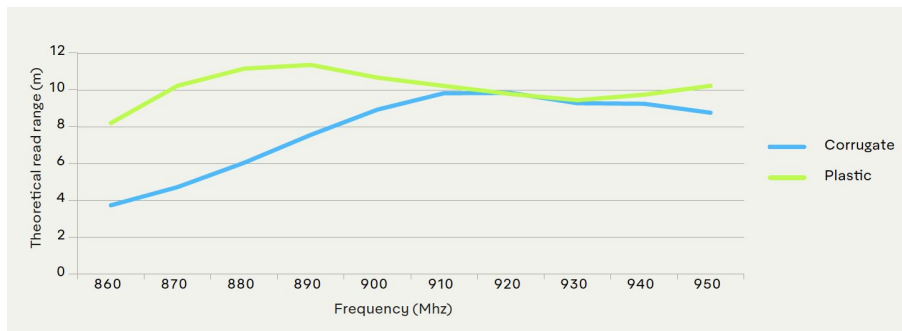
Technical features

Chip	NXP UCODE 7				
EPC and User Memory	128-bit				
TID Memory	96-bit / 48-bit unique serial number				
Product Code	3003011	3003012	3003163	3004854	3005177
Delivery Format	Wet inlay	Label / sticker	Dry inlay	Label / sticker	Wet inlay
Die-Cut Dimension	73 x 13 mm 2.87 x 0.51 in	73 x 13 mm 2.87 x 0.51 in	–	73 x 17 mm 2.87 x 0.67 in	73 x 13 mm 2.87 x 0.51 in
Inlay Substrate	PET	PET	PET	PET	PET
Face Sheet	Clear PET	Mid-gloss paper	Clear PET	Mid-gloss paper	Clear PET
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	80 mm / 3 in	80 mm / 3 in	74 mm / 3 in	80 mm / 3 in	80 mm / 3 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	20000 pcs/reel 20000 pcs/box	20000 pcs/reel 20000 pcs/box	15000 pcs/reel 15000 pcs/box	20000 pcs/reel	20000 pcs/reel 20000 pcs/box
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F				

Orientation sensitivity



Read range



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

Contact information

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

