

# AD Shortdipole U7

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 7

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**Antenna Dimensions**

93 x 11 mm / 3.66 x 0.44 in

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**International Standard**

ISO 18000-63, EPC Class 1 Gen 2

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**Industry Segments**

Apparel  
Logistics  
Industrial Applications

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**Applications**

Returnable Transport Units (RTUs)  
Supply Chain Management  
Brand Protection

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**RoHS**

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

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**REACH**

Regulation (EC) No 1907/2006



## Excellent global performance on various materials

Our AD Shortdipole inlays and tags are designed and optimized for global retail, industry and supply chain applications, offer excellent global performance also on lower detuning materials like cardboard and plastic.

AD Shortdipole inlays and tags are a size-optimized 100 mm / 4 inch form factor, making them suitable for use with a wide range of supply chain labels, and are available in dry, wet and label /sticker delivery formats. They are available with the NXP UCODE 7 chip that offers unique TID, enables pre-serialized EPC and parallel encoding, and provides a product status flag.

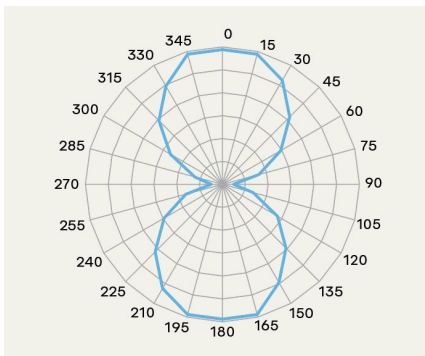
AD Shortdipole with the NXP UCODE 7, used in retail applications, is already tested to meet GS1 Tagged-Item Performance Protocol (TIPP) Tagged-Item Gradings M10B and S10B, M15B and S15B as well as M20D for the retail supply chain, retailers and suppliers. Other retail performance testing is available upon request.

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, enhancing RFID usage for difficult-to-tag materials.

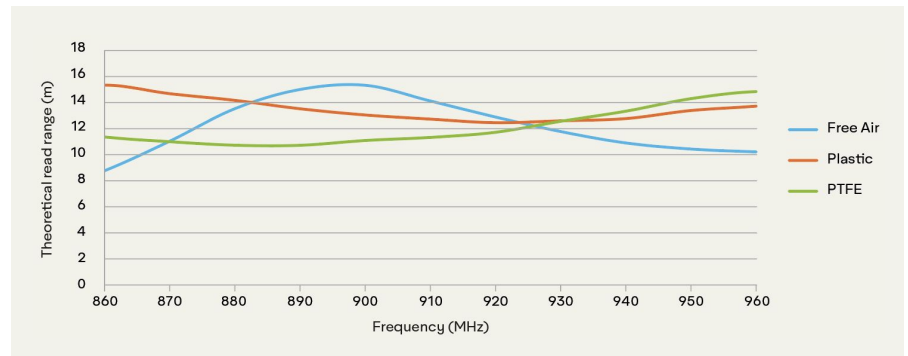
## Technical features

Chip	NXP UCODE 7		
EPC and User Memory	128-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3002652 / IL-602753	3002653 / IL-602754	3002654 / IL-602755
Delivery Format	Dry inlay+	Wet inlay+	Label
Die-Cut Dimension	–	97 x 15 mm / 3.82 x 0.59 in	97 x 15 mm / 3.82 x 0.59 in
Inlay Substrate	PET	PET	PET
Face Sheet	Clear PET	Clear PET	Opaque Matt Paper 79
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	97 mm / 3.82 in	100 mm / 4 in	100 mm / 4 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	20,000 pcs/reel 20,000 pcs/box	20,000 pcs/reel 20,000 pcs/box	5,000 pcs/reel 5,000 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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Connect with us on:



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

