

# AD-385u8

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 8

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**Antenna Dimensions**

50 x 30 mm / 1.97 x 1.18 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel  
Logistics

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**Applications**

Supply Chain Management  
Home Essentials  
Brand Protection

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**RoHS**

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

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## Combining performance and versatility

AD-385u8 from Avery Dennison is a high performing inlay suitable for a wide variety of RFID tagging applications. It features the UCODE 8 chip by NXP.

The Gen2 UHF RFID inlay perfectly integrates with a wide variety of RFID tagging applications, including supply chain, inventory & logistics, apparel and home essentials.

AD-385u8 features the UCODE 8 chip that is equipped with 128-bit of EPC memory, including a 32-bit access password and 32-bit kill password to permanently disable the tag. A 96-bit Tag Identifier (TID) is factory locked with a 48-bit unique serial number factory-encoded into the TID.

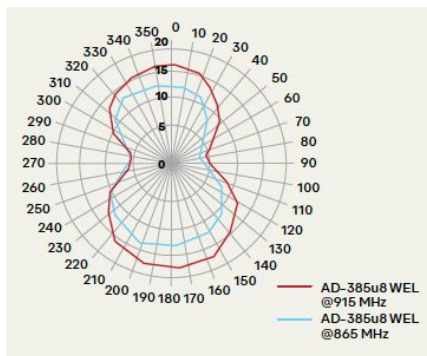
AD-385u8 is available in wide-edge leading as well as narrow-edge leading format. Delivery formats include dry, wet and label / sticker.

Like all RFID products from Avery Dennison, AD-385u8 inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

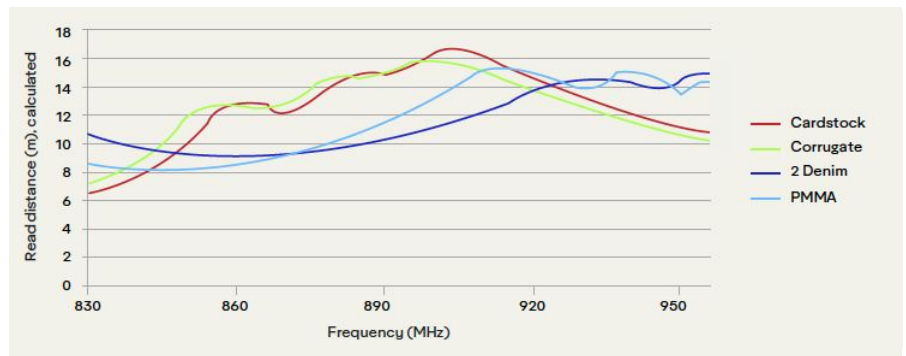
## Technical features

Chip	NXP UCODE 8		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit		
Product Code	RF601086 / IL-603789	RF601087 / IL-603790	RF100465 / IL-603791
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	–	54 x 34 mm / 2.13 x 1.34 in	54 x 34 mm / 2.13 x 1.34 in
Inlay Substrate	PET	PET	38um Paper
Face Sheet	–	–	TT2C (FASSON®) Bright White
Total Thickness	9 - 11 mils / 229 - 279 microns	10 - 12 mils / 254 - 305 microns	11 - 14 mils / 280 - 355 microns
Standard Pitch	38.1 mm / 1.5 in	38.1 mm / 1.5 in	50.8 mm / 2 in
Web Width	54 mm / 2 in	58 mm / 2 in	58 mm / 2 in
Core Size	76 mm / 3 in		
Quantity / Reel	15,000 pcs / reel	10,000 pcs/reel	2,610 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificates	ARC		

## Orientation sensitivity



## Read range



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

### Contact information

[rfid.averydennison.com/contact](http://rfid.averydennison.com/contact)

+1-678-617-2359

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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.

