

# AD-332u8

## Overview

---

**Frequency Band**

UHF 860 - 960 MHz

---

**Chip**

NXP UCODE 8

---

**Antenna Dimensions**

70 x 14.5 mm / 2.76 x 0.57 in

---

**International Standard**

ISO/IEC 18000-63 Type C

---

**Industry Segments**

Logistics  
Apparel

---

**Applications**

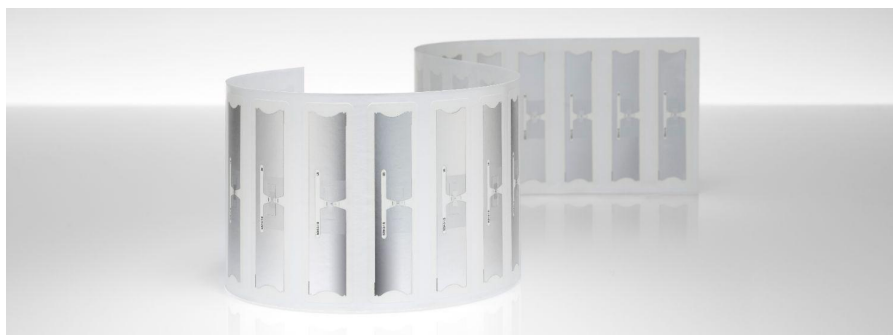
Inventory and Logistics  
Supply Chain Management

---

**RoHS**

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

---



## High reliability in high density, close proximity conditions

AD-332u8 inlays from Avery Dennison excel in high density, close proximity conditions often found in supply chain (inventory and logistics) and retail environments (apparel and item-level tagging).

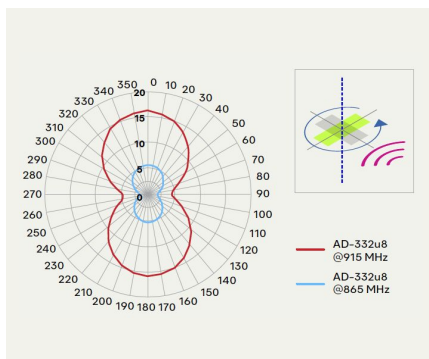
The Gen2 UHF RFID inlays have a 70 x 14.5mm antenna design providing superior bulk reading performance when tagged items are stacked, and feature UCODE 8 chips from NXP. The chip is equipped with 128-bit of EPC memory and a 96-bit Tag Identifier (TID) with a 48-bit unique serial number factory-encoded into the TID.

Like all RFID products from Avery Dennison, AD-332u8 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..

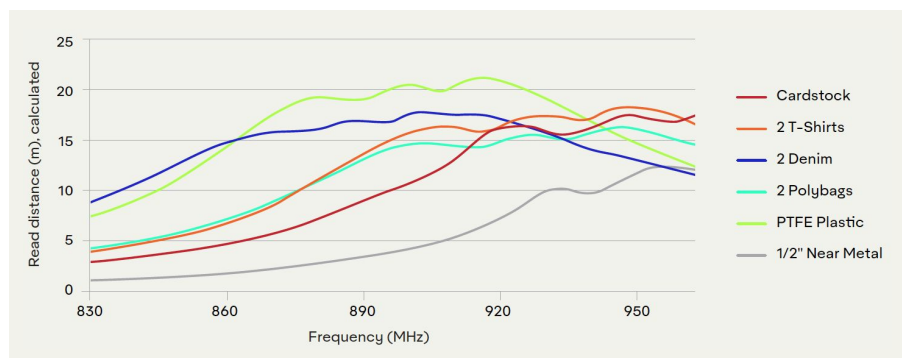
## Technical features

Chip	NXP UCODE 8	
EPC and User Memory	128-bit and n/a	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF601319 / IL-603774	RF100638 / IL-603775
Delivery Format	Wet inlay	Label / sticker
Die-Cut Dimension	76 x 20 mm / 3.00 x 0.80 in	–
Inlay Substrate	38um Paper	5pt Integrity
Total Thickness	10 - 12 mils / 256 - 307 microns	14.5 - 16.5 mils / 368 - 419 microns
Standard Pitch	25.4 mm / 1 in	–
Web Width	82.6 mm / 3.25 in	–
Core Size	76 mm / 3 in	–
Quantity / Reel	29,480 pcs/reel	5,220 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

Connect with us on:



© 2021 Avery Dennison Corp. All rights reserved. 170 Monarch Lane, Miamisburg, OH 45342, USA Third party trademarks and/or trade names used herein are the property of their respective owner(s). Some of the trademarks appear for identification purposes only.

**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.

