

# AD-173 U8

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 8

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**IC Attachment Technology**

Strap Attach

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**Antenna Dimensions**

27 x 14 mm / 1.06 x 0.55 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel  
Healthcare

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**Applications**

Home Essentials  
Fashion Jewelry and Sunglasses  
Pharmaceutical and 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

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## Small footprint and high performance

AD-173u8 UHF RFID inlays from Avery Dennison are recommended for tagging smaller products.

Due to its modest size and rectangular shape, AD-173u8 is an excellent choice for tagging small apparel items and accessories such as sunglasses and handbags. The product is also suited for tracking pharmaceuticals and medical supplies packaged in small to medium sized boxes, as well as directly on glass.

With its excellent read distance, AD-173u8 enables quick and efficient inventory management of these items from source to store.

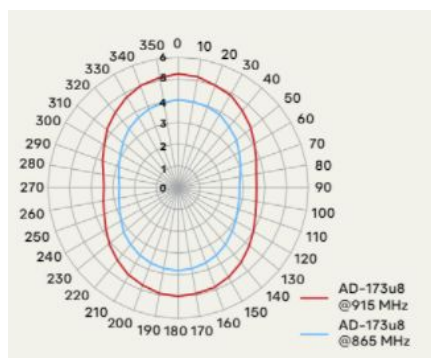
AD-173u8 inlays are equipped with a UCODE 8 ICs from NXP, featuring 128-bit of EPC memory and a 96-bit Tag IDentifier (TID) factory locked with 48-bit unique serial number factory-encoded into TID. They are available in SmartFace™ Label delivery format.

Like all RFID products from Avery Dennison, AD-173u8 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.

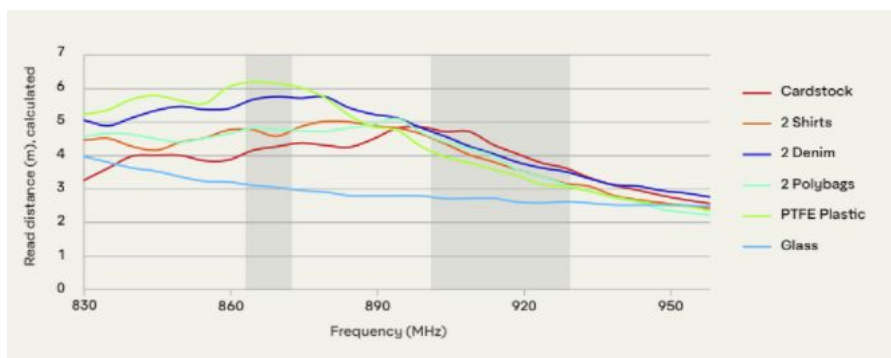
## Technical features

Chip / IC Attachment Technology	NXP UCODE 8 / Strap Attach
EPC and User Memory	128-bit and n/a
TID Memory	96-bit / 48-bit unique serial number
Product Code	RF100478 / IL-610870
Delivery Format	Label / sticker
Die-Cut Dimension	30 x 18 mm / 1.20 x 0.70 in
Inlay Substrate	5pt Integrity
Total Thickness	14 - 16 mils / 368 - 419 microns
Standard Pitch	38.1 mm / 1.5 in
Web Width	36 mm / 1 in
Core Size	76 mm / 3 in
Quantity / Reel	3,700 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
On-Metal	Non metal
Certificates	<a href="#">ARC Specification Guide</a>

## 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.