

May 2021

AD-310u8

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 8

Antenna Dimensions

41.4 x 29 mm / 1.60 x 1.10 in

Die-cut Dimensions

54 x 25 mm / 2.13 x 0.98 in (folded)

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Apparel
Logistics

Applications

Supply Chain Management
Brand Protection
Home Essentials

RoHS

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



High performance and flexible use

AD-310u8 inlays from Avery Dennison are the solution of choice for a wide variety of RFID tagging applications and features the UCODE 8 chip by NXP.

The high performing, Gen2 UHF RFID inlays are a perfect fit for retail items such as apparel and home essentials, and integrate well into supply chain, inventory and logistics applications.

AD-310u8 inlays feature 128 bits of EPC memory and 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory-encoded into the TID. Delivery formats include dry, wet and paper inlay.

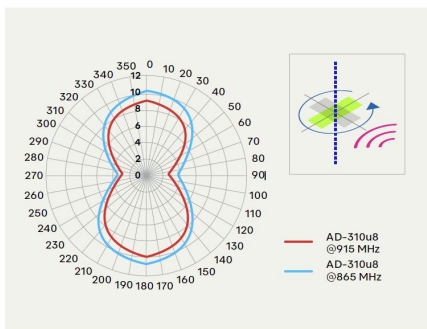
Like all RFID products from Avery Dennison, AD-310u8 inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

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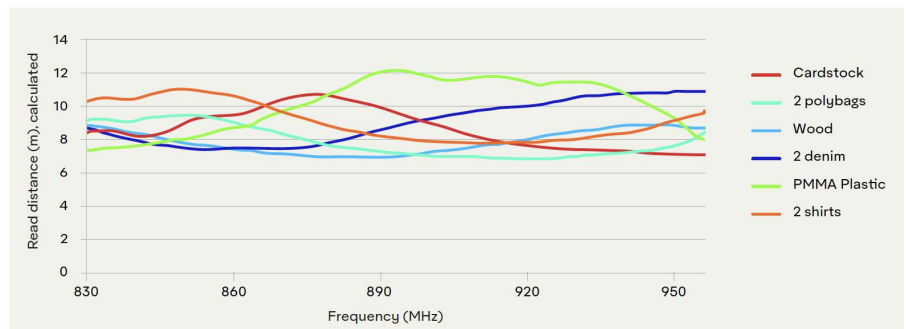
Technical features

Chip	NXP UCODE 8		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF601172 / IL-603762	RF601173 / IL-603763	RF100542 / IL-603764
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	-	44 x 33 mm / 1.75 x 1.30 in	44 x 33 mm / 1.75 x 1.30 in
Inlay Substrate	PET	PET	40# Paper
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	11 - 13 mils / 270 - 320 microns-	11 - 13 mils / 277 - 327 microns	16 - 18 mils / 411 - 462 microns
Standard Pitch	38.1 mm / 1.5 in		
Web Width	50 mm / 2 in		
Core Size	76 mm / 3 in		
Quantity / Reel	13277 pcs/reel	12968 pcs/reel	3154 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC		

Technical features



Technical features



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

Contact information

rfid.averydennison.com/contact
North America: +1-866-903-7343 (toll free US)
International: +1-678-617-2359

Connect with us on:   

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Warranty: Please refer to Avery Dennison standard terms and conditions: 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.

