

AD-238u8

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

Apparel
Industrial Applications

Applications

Brand Protection
Supply Chain Management
Home Essentials

RoHs

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



Fit for a wide variety of RFID tagging applications

AD-238u8 inlays from Avery Dennison provide maximum performance on a given footprint of 70 x 14,5 mm. Leveraging the capabilities of NXP's UCODE 8 chip, the Gen2 UHF RFID inlays are suitable for a wide variety of RFID tagging applications, including supply chain, inventory & logistics, apparel and home essentials.

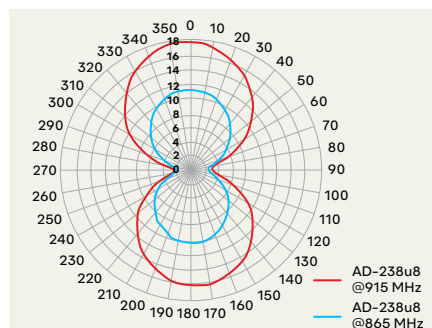
AD-238u8 inlays feature 128-bit of EPC memory and a 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory-encoded into the TID. Delivery formats include dry, wet and pressure sensitive label.

Like all RFID products from Avery Dennison, AD-238u8 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.

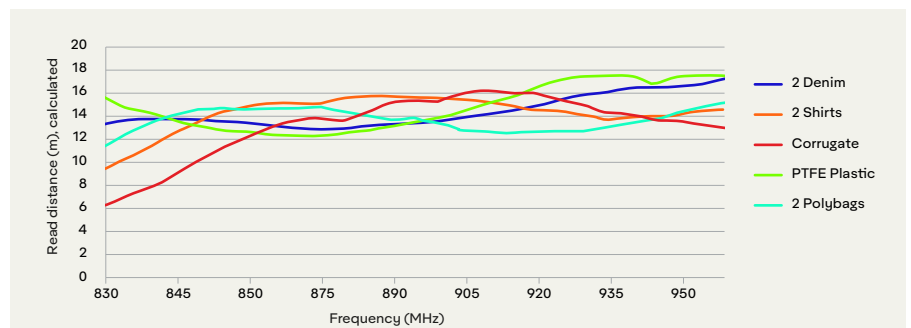
Technical features

Chip	NXP UCODE 8		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF600958	RF600959	RF100413
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-cut Dimension	-	73 x 17 mm / 2.87 x 0.67 in	76 x 20 mm / 3.00 x 0.80 in
Inlay Substrate	PET	PET	40# Paper
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	10 – 12 mils / 261 – 312 microns	12 – 14 mils / 300 – 350 microns	16 – 18 mils / 412 – 463 microns
Standard Pitch	22.23 mm / 0.875 in	22.23 mm / 0.875 in	38.1 mm / 1.5 in
Web Width	74 mm / 3 in	76 mm / 3 in	82.6 mm / 3 in
Core Size	152 mm / 6 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	40000 pcs/reel	10000 pcs/reel	3154 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC		

Orientation sensitivity



Read range



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

RoHS

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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.



AD-324u8 FCC

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 8

Antenna Dimensions

41 x 16 mm / 1.63 x 0.63 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Apparel
Logistics
Healthcare

Applications

Supply Chain Management
Home Essentials
Inventory and Logistics

RoHs

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



Excellent read range and versatility

AD-324u8 FCC inlays from Avery Dennison are ideally suited for a wide variety of RFID tagging applications, particularly those related to the areas of supply chain, inventory & logistics, apparel, and pharmaceutical & healthcare

The Gen2 UHF RFID inlay's 41.4 x 16mm design is optimized for outstanding performance in the FCC frequency band (902-928 MHz) and features the UCODE 8 IC by NXP. An ETSI-specific design with identical footprint is available as well.

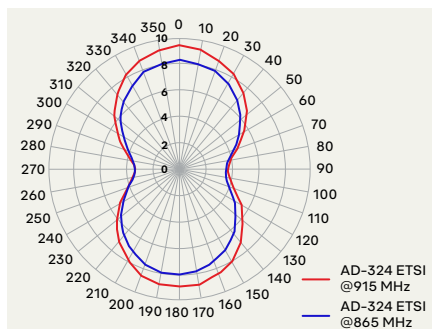
AD-324u8 FCC's UCODE 8 chip features 128-bit of EPC memory and 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory-encoded into the TID. UCODE 8 supports all mandatory commands of EPC global specification V.2.0.1 including (Perma) LOCK and Kill Command. Delivery formats include dry, wet and paper label.

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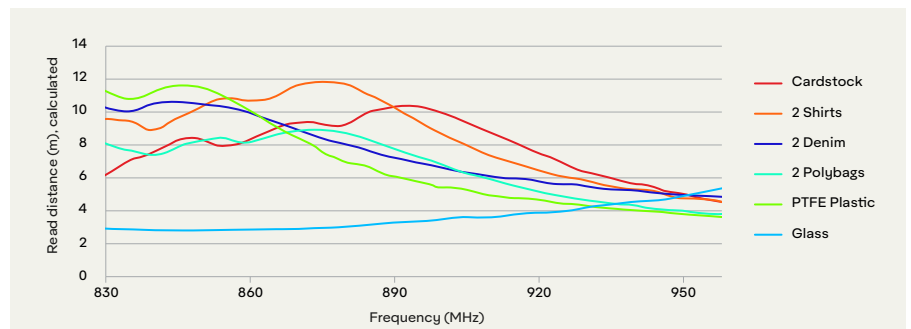
Technical features

Chip	NXP UCODE 8		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF601478	RF601480	RF100606
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-cut Dimension	44 x 19 mm / 1.75 x 0.75 in		
Inlay Substrate	38um Paper	38um Paper	5 pt Paper
Total Thickness	10 - 12 mils / 249 - 300 microns	11 - 13 mils / 287 - 337 microns	14 - 16 mils / 368 - 419 microns
Standard Pitch	25.4 mm / 1 in	25.4 mm / 1 in	22.2 mm / 0.875 in
Web Width	50.8 mm / 2 in		
Core Size	76 mm / 3 in		
Quantity / Reel	20000 pcs/reel	20000 pcs/reel	5966 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC		

Orientation sensitivity



Read range



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AD-385u8

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 8

Antenna Dimensions

50 x 30 mm / 1.97 x 1.18 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Apparel
Logistics

Applications

Supply Chain Management
Home Essentials
Brand Protection

RoHs

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



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.

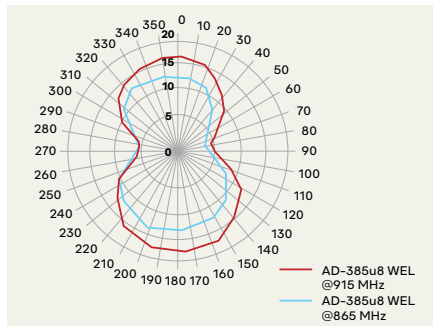
AD-385u8 is available in wide-edge leading as well as narrow-edge leading format. Delivery formats include dry, wet and label / sticker.

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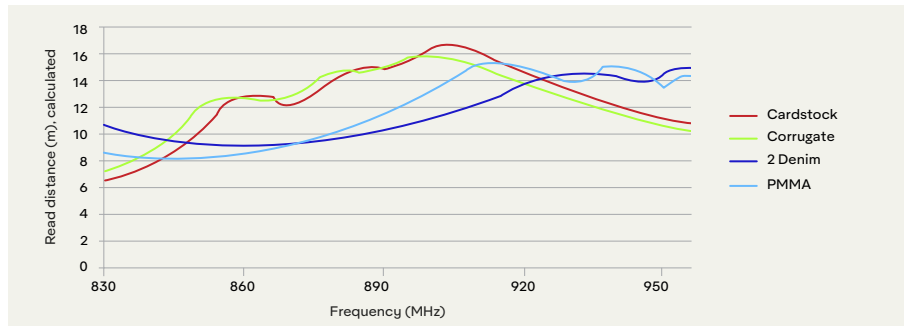
Technical features

Chip	NXP UCODE 8		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit		
Product Code	RF601086	RF601087	RF100465
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	15000 pcs / reel	10000 pcs / reel	2610 pcs / reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC		

Orientation sensitivity



Read range



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