

AD Miniweb U9 ETSI Pure™

Overview

Frequency Band

UHF 860 - 960 MHz

Chip Attachment Technology

Direct Chip Attach

Chip

NXP UCODE 9

Antenna Dimensions

42 x 16 mm / 1.65 x 0.63 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Apparel
Logistics
Healthcare

Applications

Supply Chain Management
Home Essentials
Inventory and Logistics

RoHS

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

REACH

Regulation (EC) No 1907/2006

End of Life

Paper recyclability: PTS- RH021:97/2012



Ideal for small apparel labels

AD Miniweb U9 ETSI Pure™ inlays and tags are designed for apparel, retail, industry and supply chain applications, offering excellent performance on difficult-to-tag or low-detuning materials such as cardboard and plastic, and in other demanding, close-coupling environments.

AD Miniweb U9 ETSI Pure™ inlays and tags have a compact size 45 x 18 mm, which can be easily converted into end-application usage. AD Miniweb with the NXP UCODE9 IC, used in retail applications, is a small retail focused inlay that has passed ARC category I and K requirements by the RFID Research Center of the University of Auburn. Category I indicates the product is suitable for applications such as home goods and merchandising areas with a greater demand of RF performance than typical retail apparel applications.

Avery Dennison inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.

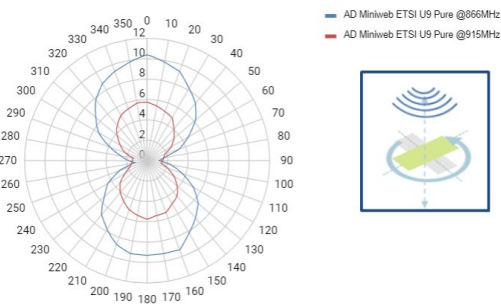
Sustainability - 100% Plastic Free

AD Miniweb U9 ETSI Pure™ is produced via innovative antenna manufacturing technology where aluminium antenna is made directly on a paper making the products 100% plastic free, and according to an LCA (Life Cycle Analysis) study by an independent institute provide typically 70-90% savings in carbon footprint compared to traditional etching method. The manufacturing process also enables recycling excess materials and reducing the total amount of materials while maintaining the overall performance of the product. Based on extensive testing against PTS-RH 021:97/2012 paper and cardboard recycling method with third party laboratorio shows that standard Pure™ inlays and label are recyclable within the items.

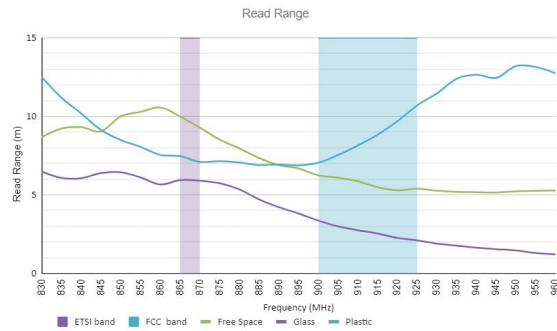
Technical features

Chip	NXP UCODE 9		
Chip Attachment Technology	Direct Chip Attach		
EPC and User Memory	96-bit and 0-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3009357 / IL-609222	3009361 / IL-609225	3009360 / IL-609224
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	-	45 x 18 mm / 1.77 x 0.71 in	45 x 18 mm / 1.77 x 0.71 in
Inlay Substrate	Paper 82	Paper 82	Paper 82
Face Sheet	-	-	Mid-gloss paper
Standard Pitch	20 mm / 0.79 in	20 mm / 0.79 in	20 mm / 0.79 in
Web Width	48 mm / 1.89 in	48 mm / 1.89 in	48 mm / 1.89 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	20,000 pcs/reel 60,000 pcs/box	5,000 pcs/reel 10,000 pcs/box	5,000 pcs/reel 10,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificates	ARC Specs: K and I		

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

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.

