



AD Web U9 Pure™

Overview

Frequency Band

UHF 860 - 960 MHz

Chip Attachment Technology

Direct Chip Attach

Chip

NXP UCODE 9

Antenna Dimensions

50 x 30 mm / 1.97 x 1.18 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Apparel
Logistics

Applications

Supply Chain Management
Home Essentials
Brand Protection

RoHS

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

REACH

Regulation (EC) No 1907/2006

End of Life

Paper recyclability: PTS- RH021:97/2012



Optimized size and shape for apparel applications

AD Web U9 Pure™ inlays and tags are designed for the unique identification of items such as apparel and home essentials. They are suitable especially for item-level retail, logistics and supply chain applications.

AD Web U9 Pure™ inlays and tags are compact and ideally shaped inlays for apparel hangtags providing reliable readability, and excellent performance even when stacked in close proximity. AD Web U9 Pure™ tags and inlays designed for high performance in retail and apparel applications, have passed several University of Auburn RFID Lab ARC Specs. Retailers and brand owners can deploy the AD Web Pure™ tags for apparel globally, as they comply with frequency regulations set up in the US (FCC), EU (ETSI) and Asia.

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 Web U9 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.

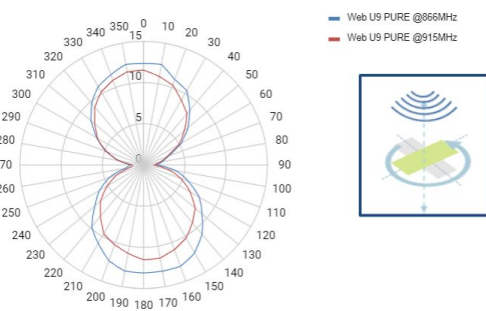
Technical features

Chip	NXP UCODE 9		
Chip Attachment Technology	Direct Chip Attach		
EPC and User Memory	96-bit and 0		
TID Memory	96-bit / 48-bit unique serial number		
Product Code*	3009367 / IL-609229	3009368 / IL-609230	3009369 / IL-609231
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	-	54 x 33 mm / 2.13 x 1.30 in	54 x 33 mm / 2.13 x 1.30 in
Inlay Substrate**	Paper 82	Paper 82	Paper 82
Face Sheet	-	-	Mid-gloss paper
Overall Thickness (excluding IC and siliconized paper)	92 µm	112 µm	182 µm
Standard Pitch	36 mm / 1.42 in	36 mm / 1.42 in	36 mm / 1.42 in
Web Width	60 mm / 2.36 in	60 mm / 2.36 in	60 mm / 2.36 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	17,000 pcs/reel 68,000 pcs/box	5,000 pcs/reel 10,000 pcs/box	3,000 pcs/reel 9,000 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificate	ARC Specs N, Q, G, F, L, I, K, R, Y, O, W1, W2, W3, W4, W5 and W6		

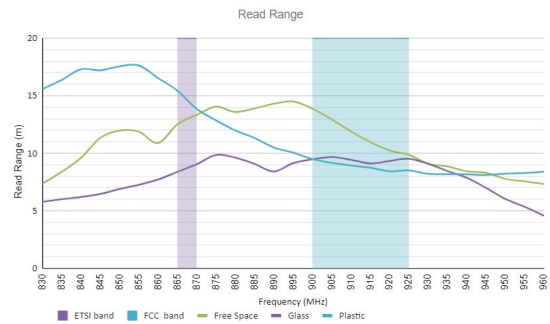
* Other product codes available

** Available also with other papers

Orientation sensitivity



Read range



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

Contact information

vrfid.averydennison.com/contact
+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.



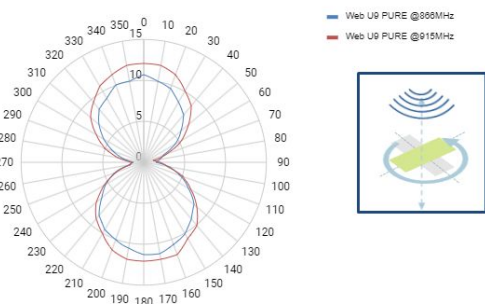
Technical features

Chip	NXP UCODE 9		
Chip Attachment Technology	Direct Chip Attach		
EPC and User Memory	96-bit and 0		
TID Memory	96-bit / 48-bit unique serial number		
Product Code*	IL-609637	IL-609644	IL-609645
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	-	54 x 33 mm / 2.13 x 1.30 in	54 x 33 mm / 2.13 x 1.30 in
Inlay Substrate**	40# Paper	40# Paper	40# Paper
Face Sheet	-	-	Mid-gloss paper
Overall Thickness (excluding IC and siliconized paper)	73 µm	93 µm	163 µm
Standard Pitch	36 mm / 1.42 in	36 mm / 1.42 in	36 mm / 1.42 in
Web Width	60 mm / 2.36 in	60 mm / 2.36 in	60 mm / 2.36 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	17,000 pcs/reel 68,000 pcs/box	5,000 pcs/reel 10,000 pcs/box	3,000 pcs/reel 9,000 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificate	ARC Specs N, Q, G, F, L, I, K, R, Y, O, W1, W2, W3, W4, W5 and W6		

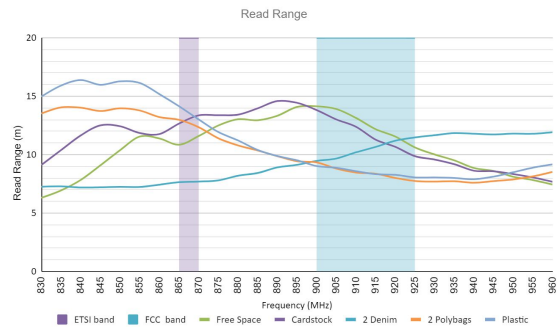
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