

# Web U9

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 9

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**Antenna Dimensions**

50 x 30 mm / 1.97 x 1.18 in

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**Die-cut Dimensions**

54 x 35 mm / 2.13 x 1.38 in

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**International Standard**

ISO 18000-63, EPC Class 1 Gen 2

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**Industry Segments**

Apparel  
Logistics

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**Applications**

Supply Chain Management  
Home Essentials  
Brand Protection

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**RoHS**

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

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**REACH**

Regulation (EC) No 1907/2006



## Optimized size and shape for apparel applications

Our Web inlays and tags are designed for the unique identification of items such as apparel and electronics. They are suitable especially for item-level retail, logistics and supply chain applications.

Web inlays and tags are compact and ideally shaped inlays for apparel hang tags providing high read reliability, excellent performance even when stacked in close proximity with low total applied costs. Web equipped with NXP UCODE 9 offers 96-bit of EPC memory. Furthermore, it offers a self adjust feature to maximize product performance in challenging environments and has an improved read and write sensitivity and faster encoding speed compared to NXP UCODE 8.

Web tags with the NXP UCODE 9 IC, used in retail applications, have passed the Auburn Radio Compliance (ARC) tests F, G, I, K, L, M, N, Q, W1, W2, W3, W4, W5 and W6 defined by the RFID Research Center at the University of Auburn.

Retailers and brand owners can deploy our Web tags for apparel globally, as they comply with frequency regulations set up in the US(FCC), EU (ETSI) and Asia.

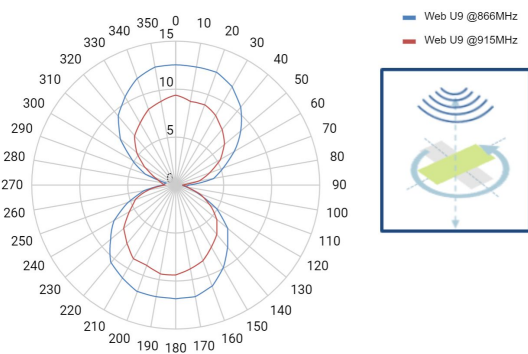
Avery Dennison inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.

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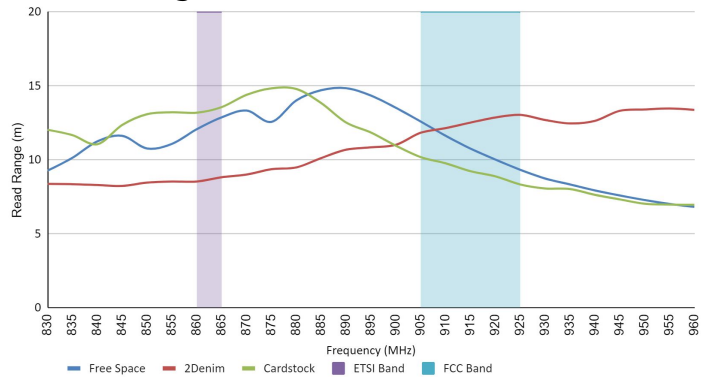
## Technical features

Chip	NXP UCODE 9		
EPC and User Memory	96-bit and 0		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3008012 / IL-604007	3008013 / IL-604008	3008014 / IL-604009
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	-	54 x 33mm / 2.12 x 1.3 in	54 x 33 mm / 2.12 x 1.3 in
Inlay Substrate	PET	PET	PET
Face Sheet	-	Clear PET	Mid-gloss paper
Standard Pitch	36 mm / 1.41 in	36 mm / 1.41 in	36 mm / 1.41 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	17000 pcs/reel 68000 pcs/box	15000 pcs/reel 45000 pcs/box	3000 pcs/reel 9000 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F	-40 °C to 85 °C -40 °F to 185 °F	-40 °C to 85 °C -40 °F to 185 °F
Certificate	ARC		

## 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.

