Web U9

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 9

Antenna Dimensions
50 x 30 mm / 1.97 x 1.18 in

Die-cut Dimensions
54 x 35 mm / 2.13 x 1.38 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

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, W6 and Y 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.

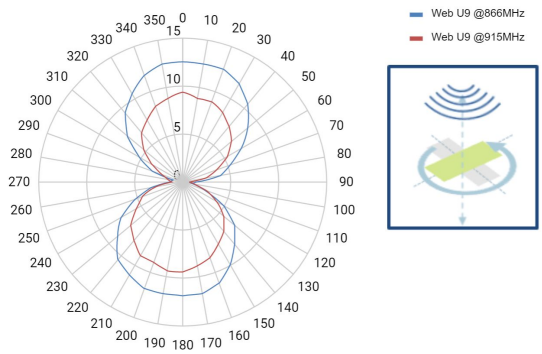
Avery Dennison
Smartrac
Product Data Sheet

July 2021

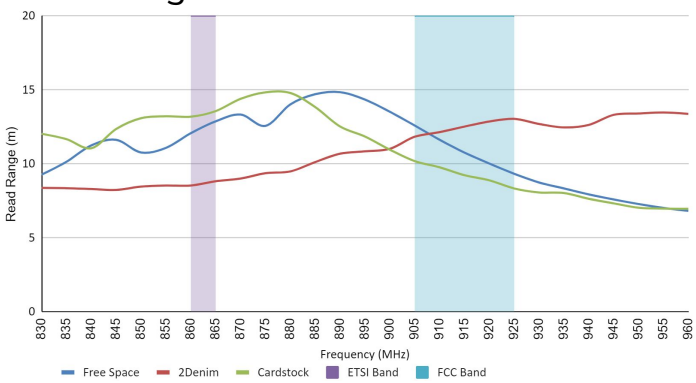
Technical features

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
vrfid.averydennison.com/contact
+1-678-617-2359

Connect with us on: