Web-U-8/03/21/DS

Web

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 8

Antenna Dimensions
50 x 30 mm / 1.97 x 1.18 in

Die-cut Dimensions
54 x 25 mm / 2.13 x 0.98 in (folded)

International Standard
ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments
Apparel
Logistics

Applications
Supply Chain Management
Home Essentials
Brand Protection

RoHS
EU Directive 2011/65/EC 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 8 offers the same memory size and typical IC features as NXP UCODE 7. 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 7. The chip has an integrated Brand Identifier function to prove product authenticity and a memory safeguard system to protect business data.

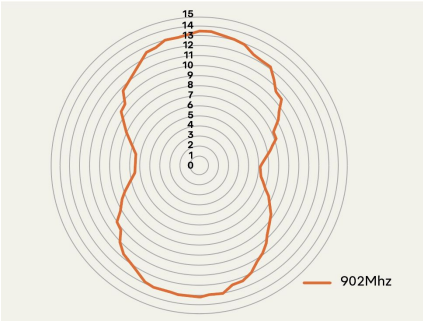
Web tags with the NXP UCODE 8 IC, used in retail applications, have passed the Auburn Radio Compliance (ARC) tests A, B, C, D, F, G, I, K, L, M, N, W1, W2, W3, W4, W5, W6 and Q defined by the RFID Research Center at the University of Auburn. It is also tested to meet GS1 Tagged-Item Performance Protocol (TIPP) Tagged-Item Gradings M10B, M15B and S15B for the retail supply chain, retailers and suppliers.

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.

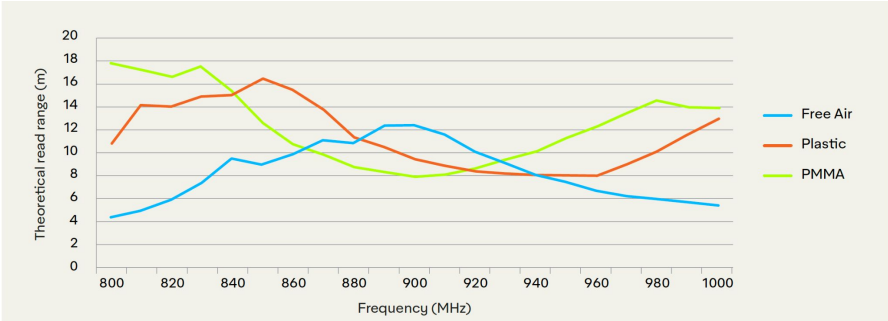
Technical features

Chip	NXP UCODE 8		
EPC and User Memory	128-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3007188	3007189	3007190
Delivery Format	Dry inlay	Wet inlay	Label / sticker
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	PET	PET	PET
Face Sheet	-	Clear PET	Mid-gloss paper
Standard Pitch	36 mm / 1.417 in	36 mm / 1.417 in	36 mm / 1.417 in
Web Width	60 mm / 2.4 in	60 mm / 2.4 in	60 mm / 2.4 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10000 pcs/reel	15000 pcs/reel 45000 pcs/box	3000 pcs/reel 9000 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F		

Orientation sensitivity



Read range



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

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