AD Miniweb U9 ETSI

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 9

Antenna Dimensions
42 x 16 mm / 1.7 x 0.6 in

International Standard
ISO 18000-63, EPC Class 1 Gen 2

Industry Segments
Apparel
Logistics
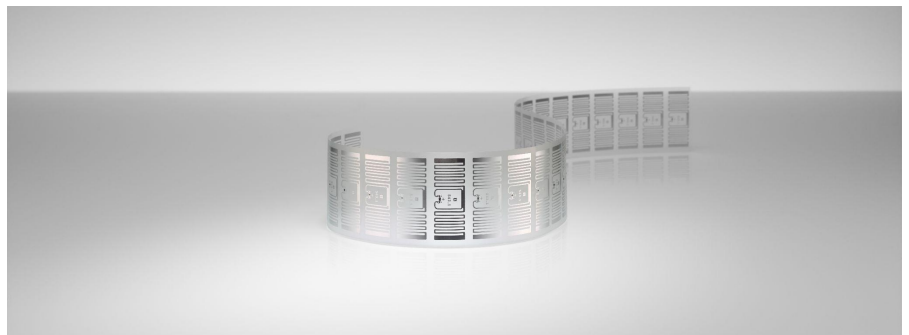Healthcare

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

Ideal for small apparel labels

Our AD Miniweb U9 ETSI inlays and tags are designed for global 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 inlays and tags have a compact size 45 x 18 mm, which can be easily converted into end-application usage, and are available in dry, wet and label delivery formats. Miniweb equipped with NXP UCODE 9 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.

AD Miniweb U 9 ETSI with the NXP UCODE 9 IC has passed ARC categories I and K requirements by the RFID Research Center of the University of Auburn for ETSI retail performances. 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.
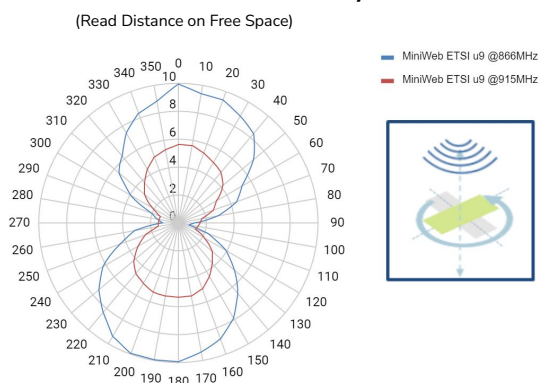
Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.
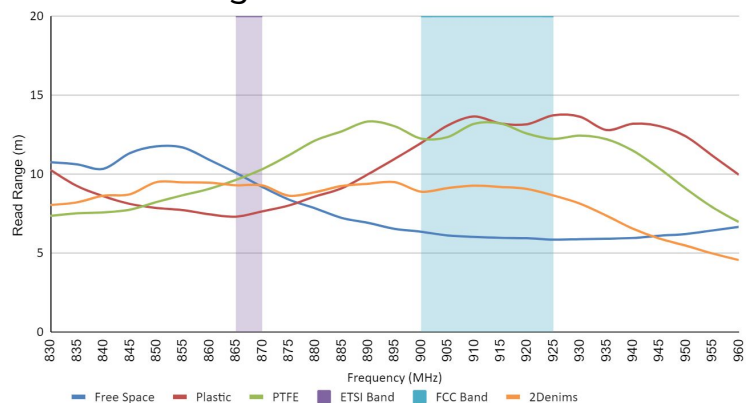
AVERY DENNISON

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Technical features

Chip	NXP UCODE 9		
EPC and User Memory	96-bit and 0-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code*	3008395 / IL-604280	3008396 / IL-604281	3008397 / IL-604282
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	–	45 x 18 mm / 1.7 x 0.7 in	45 x 18 mm / 1.7 x 0.7 in
Inlay Substrate	PET	PET	PET
Face Sheet	-	-	Mid gloss paper
Standard Pitch	20 mm / .0787 in	20 mm / .0787 in	20 mm / .0787 in
Web Width	48 mm / 1.9 in	48 mm / 1.9 in	48 mm / 1.9 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	15,000 pcs/reel 30,000 pcs/box	5,000 pcs/reel 10,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificates	ARC spec K, I		

*Other product codes available upon request.

Orientation sensitivity

(Read Distance on Free Space)

- MiniWeb ETSI u9 @866MHz
- MiniWeb ETSI u9 @915MHz

Read range

Read Range (m) / Frequency (MHz)

- Free Space
- Plastic
- PTFE
- ETSI Band
- FCC Band
- 2Denims

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

Contact information

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