AD Belt U9

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 9

Antenna Dimensions
70 x 14 mm / 2.75 x 0.55 in

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

Industry Segments
Apparel
Industrial Applications

Applications
Brand Protection
Supply Chain Management
Home Essentials

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

REACH
Regulation (EC) No. 1907/2006

Compact size and high performance in item-level tagging

Our AD Belt U9 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 Belt U9 inlays and tags have a compact 73 mm / 2.8 inch form factor, which can be easily converted into end-application usage, and are available in dry, wet and label / sticker delivery formats. Belt 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.
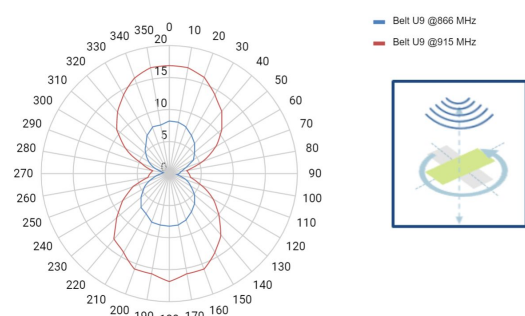
Like all RFID products from Avery Dennison, AD Belt U9 inlays are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment. The RFID Lab at Auburn University has awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.
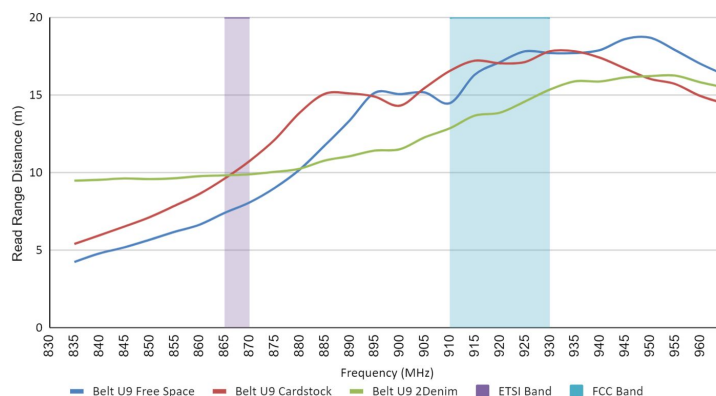
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Technical features

Chip	NXP UCODE 9			
EPC and User Memory	96-bit and n/a			
TID Memory	96-bit / 48-bit unique serial number			
Product Code	IL-604003	IL-613237	IL-604004	IL-604005
Delivery Format	Dry inlay	Dry inlay	Wet inlay	Label
Die-Cut Dimension	–	–	73 x 17 mm / 2.87 x 0.67 in	73 x 17 mm / 2.87 x 0.67 in
Inlay Substrate	PET	PET	PET	PET
Face Sheet	–	–	–	Mid-gloss paper
Standard Pitch	20 mm / 0.787 in	18 mm / 0.709	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	80 mm / 3 in	80 mm / 3 in	80 mm / 3 in	80 mm / 3 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	20,000 pcs/reel	50,000 pcs/reel	20,000 pcs/reel	5,000 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F			
Certificate	ARC Specification Guide			

Orientation sensitivity

- Belt U9 @866 MHz
- Belt U9 @915 MHz

Read range

- Belt U9 Free Space
- Belt U9 Cardstock
- Belt U9 2Denim
- ETSI Band
- FCC Band

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

Contact information
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Connect with us on: in f ◎

REACH COMPLIANCE

RoHS

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