AD Accessory U9

Overview

Frequency Band
UHF 860-960 MHz

Chip
NXP UCODE 9

Antenna Dimensions
30 x 15 mm / 1.20 x 0.60 in

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

Industry Segments
Apparel
Healthcare

Applications
Children Accessories
Fashion Jewelry and Sunglasses
Pharmaceutical and Healthcare

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

REACH
Regulation (EC) No. 1907/2006

Ideal for small item-level tagging

Our AD Accessory U9 inlays and tags are optimized for accessory and cosmetics applications, offering excellent performance and superior close-coupling features.

AD Accessory U9 products are equipped with NXP's UCODE 9 IC. Inlays with UCODE 9 chip offer 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 Accessory U9 products are available in dry, wet and label delivery formats.
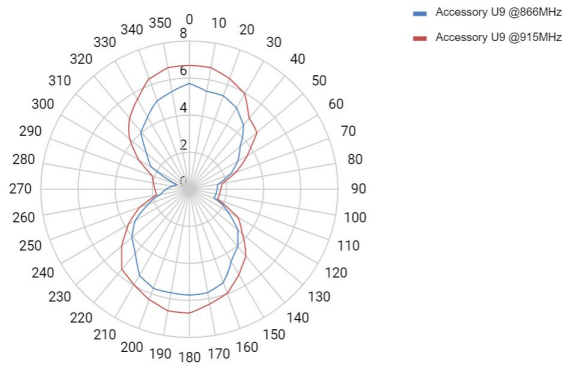
Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.
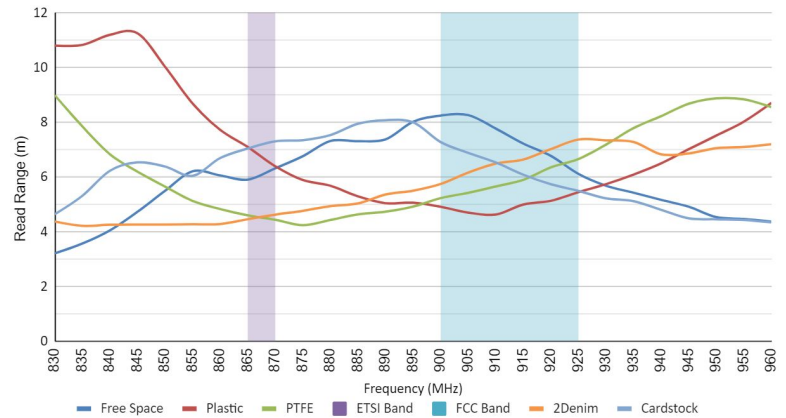
Technical features

Chip	NXP UCODE 9		
EPC and User Memory	96-bit and 0		
TID Memory	96-bit / 48-bit unique serial number		
Product Code*	3008603 / IL-604459	3008604 / IL-604460	3008606 / IL-604461
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	–	33 x 18 mm / 1.30 x 0.70 in	33 x 18 mm / 1.30 x 0.70 in
Inlay Substrate	PET	PET	PET
Face Sheet	–	–	Mid-gloss paper
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	36 mm / 1.4 in	36 mm / 1.4 in	36 mm / 1.4 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	20,000 pcs/reel 20,000 pcs/box	10,000 pcs/reel 30,000 pcs/box	5,000 pcs/reel 15,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificates	ARC Spec Q		

*Other product codes available upon request.

Orientation sensitivity

- Accessory U9 @866MHz
- Accessory U9 @915MHz

Read range

Free Space — Plastic — PTFE — ETSI Band — FCC Band — 2Denim — Cardstock

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

Contact information
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REACH COMPLIANCE

RoHS

AVERY DENNISON