AD Dogbone U9

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 9

Antenna Dimensions
94 x 24mm / 3.7 x 0.9 in

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

Industry Segments
Automotive
Industrial Applications
Sports / Events

Applications
Sports Timing
Glass / Automobile Tracking
Inventory

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

REACH
Regulation (EC) No. 1907/2006

Excellent global performance even on difficult-to-tag materials

Our AD Dogbone® U9 inlays and tags are designed for industry and supply-chain applications, offering excellent performance on difficult-to-tag materials such as cardboard and plastic, glass and in other demanding, close-coupling environments.

AD Dogbone® U9 inlays and tags have a good tolerance to the detuning effects of high dielectric materials and provide effective global performance. They can be easily converted into end-application usage, and are available in dry, wet and label delivery formats. AD Dogbone® U9 is equipped with NXP UCODE 9 and 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.
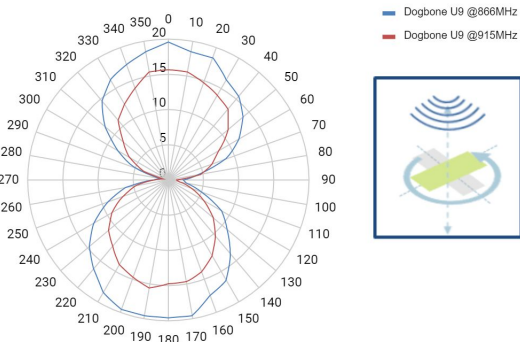
Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.
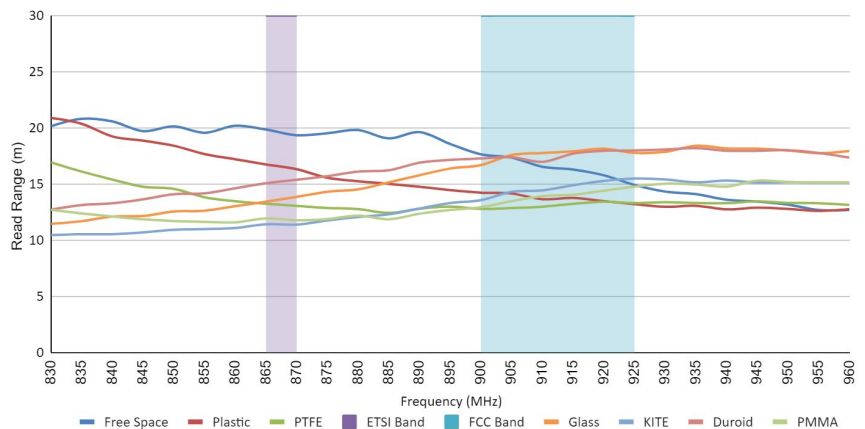
AVERY DENNISON

rfid.averydennison.com

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*	3008478 / IL-604346	3008480 / IL-604348	3008479 / IL-604347
Delivery Format	Dry inlay+	Wet inlay+	Label
Die-Cut Dimension	–	97 x 27 mm / 3.82 x 1.06 in	97 x 27 mm / 3.82 x 1.06 in
Inlay Substrate	PET	PET	PET
Face Sheet	Clear PET 12	Clear PET 12	Mid-gloss paper
Standard Pitch	30 mm / 1.181 in	30 mm / 1.181 in	30 mm / 1.181 in
Web Width	97 mm / 3.819 in	100 mm / 4 in	100 mm / 4 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10,000 pcs / reel 10,000 pcs / box	10,000 pcs / reel 10,000 pcs / box	3,000 pcs / reel 6,000 pcs / box
Operating Temperature	-40°C to 85°C / -40°F to 185°F		
Certificate	N/A		

*Other product codes available upon request.

Orientation sensitivity

- Dogbone U9 @866MHz
- Dogbone U9 @915MHz

Read range

Free Space — Plastic — PTFE — ETSI Band — FCC Band — Glass — KITE — Duroid — PMMA

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

Contact information
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REACH COMPLIANCE

RoHS

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