AD Dogbone® U7

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 7

Antenna Dimensions
94 x 24 mm / 3.70 x 0.95 in

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

Industry Segments
Automotive
Industrial Applications
Sports and Events

Applications
Sports Timing
Glass and Automobile Tracking
Inventory

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

REACH
Regulation (EC) No. 1907/2006

Excellent global performance even on difficult-to-tag materials

Our AD Dogbone® inlays and tags are designed for global supply chain, industrial, RTI and sports timing applications, and offer excellent performance in demanding environments and on different materials.

AD Dogbone® inlays and tags have a good tolerance to the detuning effect of high dielectric materials, providing effective global performance even on difficult-to-tag materials. They are available with the NXP UCODE 7 chip that offers 128 bits of EPC memory.
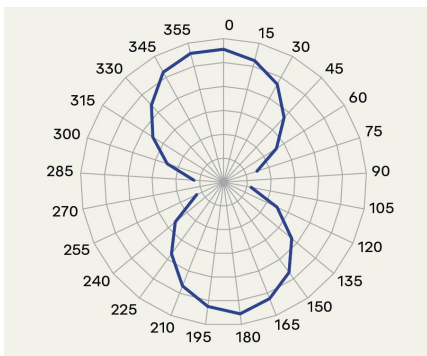
The inlay is size-optimized for 100 mm / 4 inch wide converted labels, and is available in dry, wet and label /sticker delivery formats.

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, enhancing RFID usage for difficult-to-tag materials.
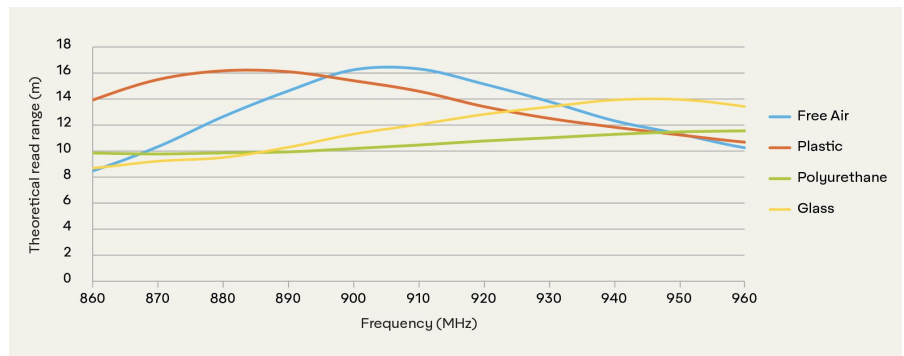
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Technical features

Chip	NXP UCODE 7	
EPC and User Memory	128-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	3003020 / IL-602772	3003021 / IL-602773
Delivery Format	Wet inlay+	Label / sticker
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
Face Sheet	Clear PET 12	Opaque Matt Paper 79
Standard Pitch	30 mm / 1.181 in	30 mm / 1.181 in
Web Width	100 mm / 4 in	100 mm / 4 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	5,000 pcs/reel 5,000 pcs/box	3,000 pcs/reel 3,000 pcs/box
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.

Contact information

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Connect with us on:

REACH COMPLIANCE

RoHS

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