AD Shortdipole U8

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 8

Antenna Dimensions
93 x 11 mm / 3.66 x 0.44 in

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

Industry Segments
Apparel
Logistics
Industrial Applications

Applications
Returnable Transport Units (RTUs)
Supply Chain Management
Brand Protection

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

REACH
Regulation (EC) No. 1907/2006

Excellent global performance on various materials

Our AD Shortdipole U8 inlays and tags are designed and optimized for global retail, industry and supply chain applications, offer excellent global performance especially on lower detuning materials like cardboard and plastic.

AD Shortdipole U8 inlays and tags are a size-optimized 100 mm / 4 inch form factor, making them suitable for use with a wide range of supply chain labels, and are available in dry, wet and label delivery formats.
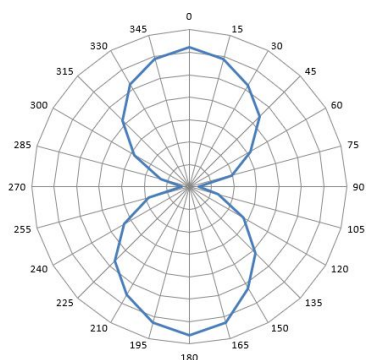
AD Shortdipole with the NXP UCODE 8, offers unique TID, enables pre-serialized EPC and parallel encoding, and provides a product status flag. Furthermore, it offers a Self Adjust feature which helps the Shortdipole product to work at peak efficiency, even in rapidly changing environments. U8 IC has an improved read and write sensitivity and faster encoding speed compared to NXP UCODE 7. In addition, the chip has an integrated Brand Identifier function to prove product authenticity and a memory safeguard system to protect business data.

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.
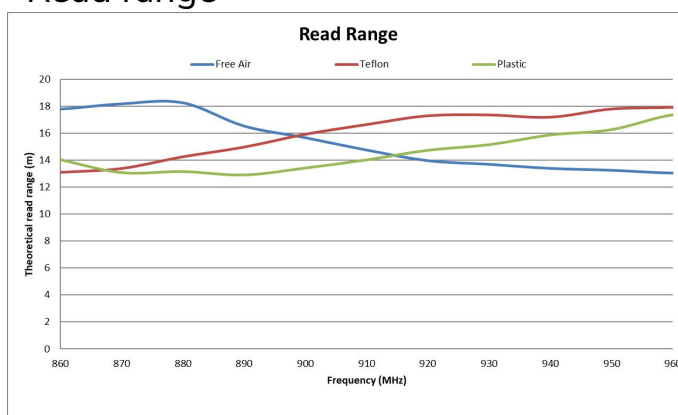
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Technical features

Chip	NXP UCODE 8			
EPC and User Memory	128-bit and 0			
TID Memory	96-bit / 48-bit unique serial number			
Product Code	3007065 / IL-603406	3007066 / IL-603407	3007067 / IL-603408	3007068 / IL-603409
Delivery Format	Dry+ inlay	Wet inlay	Label	Label
Die-Cut Dimension	–	97 x 15 mm / 3.82 x 0.59 in	97 x 15 mm / 3.82 x 0.59 in	97 x 15 mm / 3.82 x 0.59 in
Inlay Substrate	PET	PET	PET	PET
Face Sheet	Clear PET	-	Midgloss paper	Opaque Matt Paper
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	100 mm / 4 in	100 mm / 4 in	100 mm / 4 in	100 mm / 4 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 20,000 pcs/box	20,000 pcs/reel 20,000 pcs/box	5,000 pcs/reel 10,000 pcs/box	5,000 pcs/reel 5,000 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.

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