Wings™

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 8

Antenna Dimensions
30 x 72 mm / 1.18 x 2.84 in

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

Industry Segments
Aviation

Applications
Baggage Tracking

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

REACH
Regulation (EC) No. 1907/2006

Designed for luggage tagging and supply chain applications

Designed for baggage tagging in aviation and global supply chain applications, our Wings™ inlays and tags provide an outstanding read range performance at a compact size.

Wings™ has a footprint of 30 x 72 mm and is available in dry-naked delivery format which can be easily converted. Wings™ is equipped with NXP's UCODE® 8 IC that comes with 128-bit EPC memory, features a unique 96-bit tag identifier (TID), a pre-serialized EPC and an auto adjust function for automated tag performance optimization.
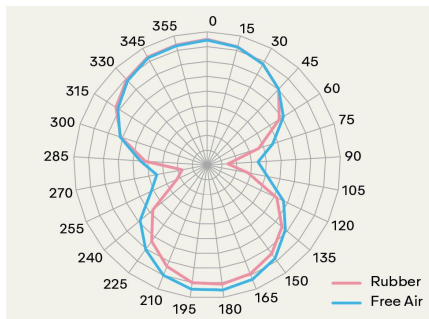
With its leading-edge RF performance for any given form factor, UCODE 8 enables long read distance and fast inventory of dense RFID tag population. Wings™ with the NXP UCODE 8 IC, used in luggage tagging applications, is included on the approved inlay list by the RFID Research Center at the University of Auburn, and complies with category U.

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.
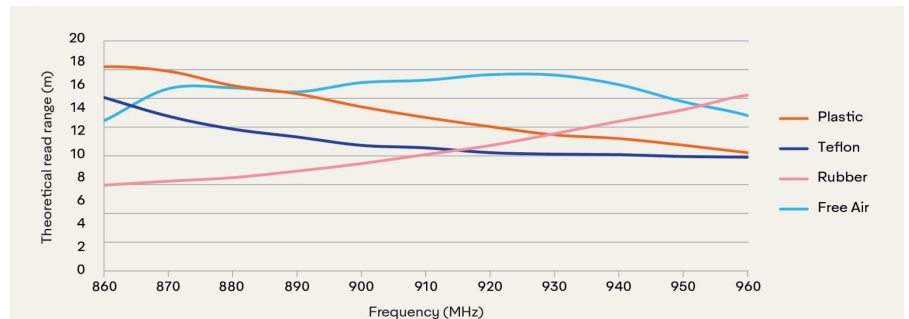
AVERY DENNISON

rfid.averydennison.com

Technical features

Chip	NXP UCODE 8
EPC and User Memory	128-bits
TID Memory	96-bit / 48-bit unique serial number
Product Code	3007057
Delivery Format	Dry inlay
Inlay Substrate	PET
Standard Pitch	82 mm / 3.228 in
Web Width	40 mm / 1.58 in
Core Size	76 mm / 3 in
Quantity / Reel	8,000 pcs/reel 48,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
Certificates	ARC

Orientation sensitivity

Read range

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

Contact information

rfid.averydennison.com/contact
North America: +1-866-903-7343 (toll free US)
International: +1-678-617-2359

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