AD Midas Flagtag® U9 Pure™

Overview

Frequency Band
UHF 860 - 960 MHz

Chip Attachment Technology
Direct Chip Attach

Chip
NXP UCODE 9

Antenna Dimensions
34 x 18 mm / 1.34 x 0.71 in

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

Industry Segments
Industrial Applications
Automotive
Logistics

Applications
On-Metal Asset Tracking
Supply Chain Management

RoHS
EU Directive 2011/65/EU and 2015/863 Compliant

REACH
Regulation (EC) No. 1907/2006

Outperforming tag for metallic surfaces and everyday objects

AD Midas Flagtag® U9 Pure™ is designed for item-level tagging on diverse surfaces. It is a cost-efficient UHF RFID on-metal solution for product or part authentication, supply chain and asset management, compared to foam-based inlays and hard tags. The tags can also be used on plastic and cardboard surfaces as a standard tag.

AD Midas Flagtag® U9 Pure™ has a small size of 43 x 21 mm when used as a standard flat label. The flag part of the tag must be placed outside of metal and the adhesive-base uses the metal surface as part of the antenna structure to increase the performance.

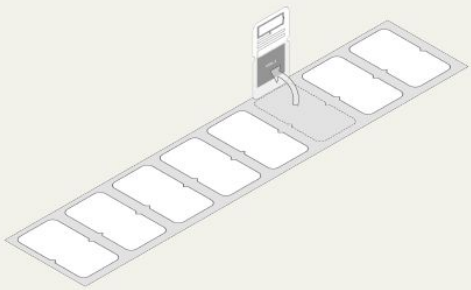
Avery Dennison inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs.

Sustainability - 100% Plastic Free
AD Midas Flagtag® U9 Pure™ is produced via innovative antenna manufacturing technology where aluminium antenna is made directly on a paper making the products 100% plastic free, and according to an LCA (Life Cycle Analysis) study by an independent institute provide typically 70-90% savings in carbon footprint compared to traditional etching method. The manufacturing process also enables recycling excess materials and reducing the total amount of materials while maintaining the overall performance of the product. Based on extensive testing against PTS-RH 021:97/2012 paper and cardboard recycling method with third party laboratorio shows that standard Pure™ inlays and label are recyclable within the items.

Technical features

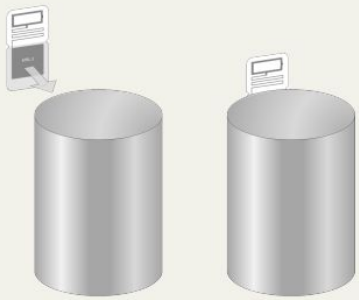
Chip	NXP UCODE 9
Chip Attachment Technology	Direct Chip Attach
EPC and User Memory	96-bit and n/a
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-609406
Delivery Format	Label
Die-Cut Dimension	43 x 21 mm / 1.69 x 0.83 in
Inlay Substrate	Paper 82
Face Sheet	Mid-gloss paper
Standard Pitch	24 mm / 0.95 in
Web Width	46 mm / 1.81 in
Core Size	76 mm / 3 in
Quantity / Reel	3000 pcs / reel 6000 pcs/ box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F

Application Instruction



1. Peel off the AD Midas Flagtag® from the carrier material, delivered in roll format.

2. The lower part under the notches is with adhesive and the upper part without.



3. Apply the part with adhesive onto the metallic object and allow the upper part to stick out like a flag.

Contact information
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+1-678-617-2359

Connect with us on:

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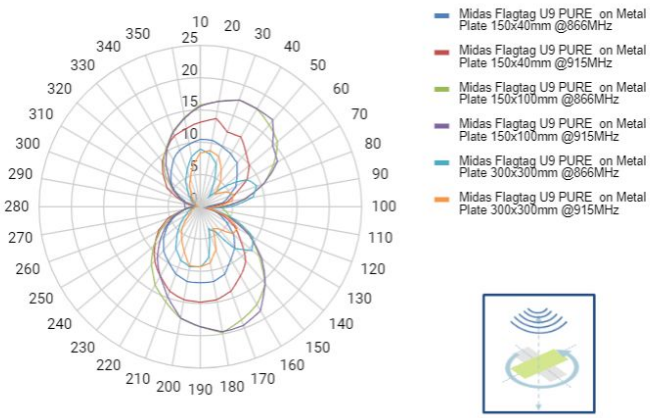
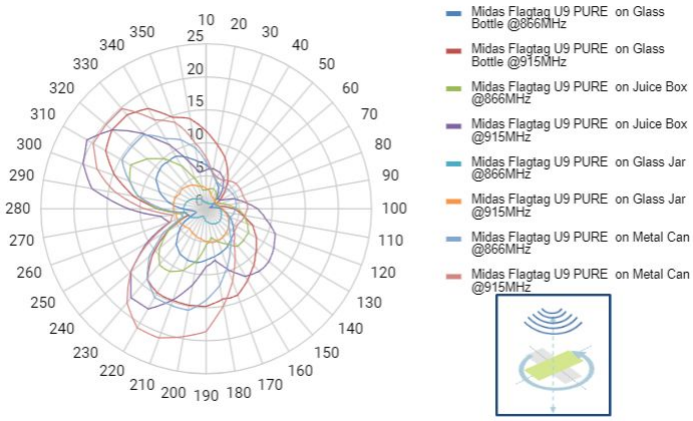
Warranty: Please refer to Avery Dennison standard terms and conditions: **rfid.averydennison.com/termsandconditions**

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

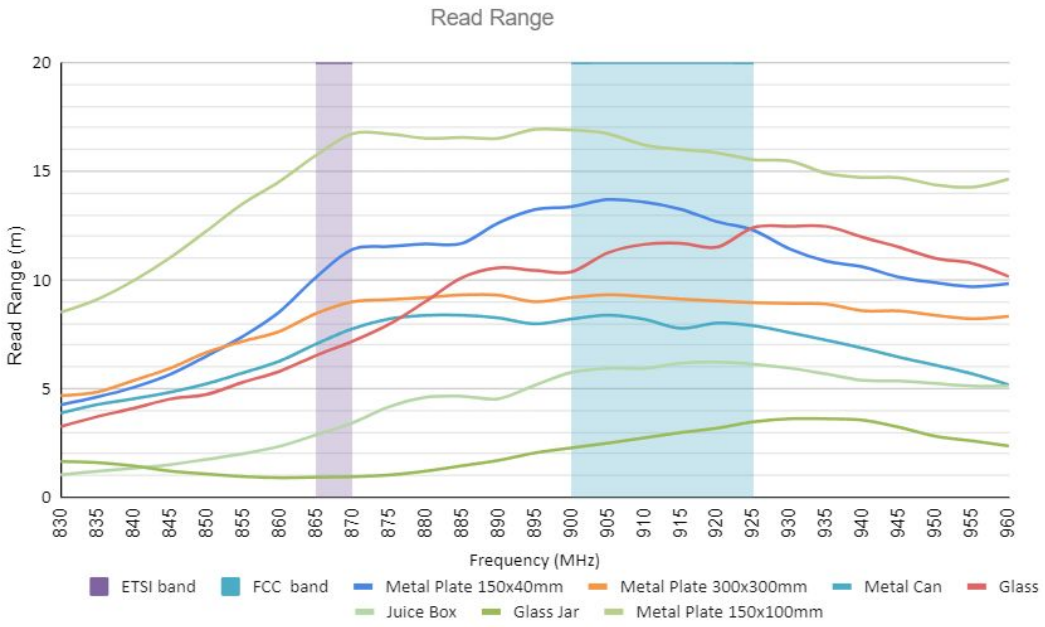
Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

Orientation sensitivity





Read range



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