

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

End of Life

EU Paper recyclability: PTS-
RH021:97/2012
US Paper Recyclability: SBS-E Part I
(Repulpability) and Part II (Recyclability)



Outperforming tag for metallic surfaces and everyday objects

AD Midas Flagtag® U9 Pure™ inlays are 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™ inlays have 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

Pure™ inlays are 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.

The impact of the Pure™ paper-based inlays and tags in cardboard recycling has been verified by a third-party laboratory in the EU against PTS-RH 021:97/2012. In the US, the hangtag construction is certified by West Michigan University against SBS-E Part I (repulpability) and Part II (recyclability). [How2Recycle®](#) has "pre-qualified*" the RFID construction when applied to a paper hangtag and determined that the structure is eligible for a widely recyclable label.

[rfid.averydennison.com](https://www.rfid.averydennison.com)

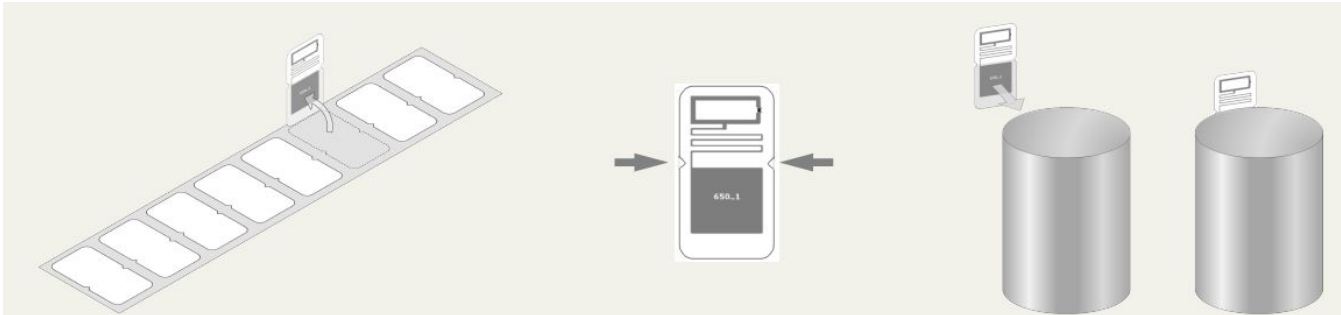


*How2Recycle: "Additional components, product application, or other attributes may change the final recyclability of the package. Must be a How2Recycle member and submit a label request to use the label on pack".

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-612515	IL-612694
Delivery Format	Wet Inlay	Label
Die-Cut Dimension	43 x 21 mm / 1.69 x 0.83 in	43 x 21 mm / 1.69 x 0.83 in
Inlay Substrate	Paper 64	Paper 64
Face Sheet	-	Mid-gloss paper
Total Thickness	220 µm	305 µm
Standard Pitch	24 mm / 0.95 in	24 mm / 0.95 in
Web Width	46 mm / 1.81 in	46 mm / 1.81 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	3000 pcs / reel 6000 pcs / box	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

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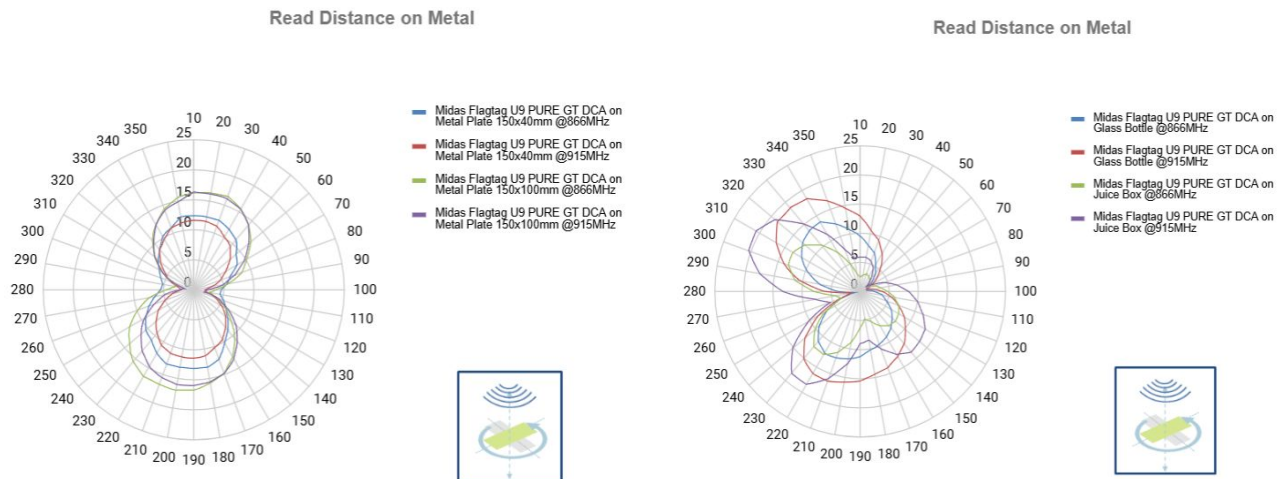
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Warranty: Please refer to Avery Dennison standard terms and conditions: rfid.averydennison.com/termsandconditions

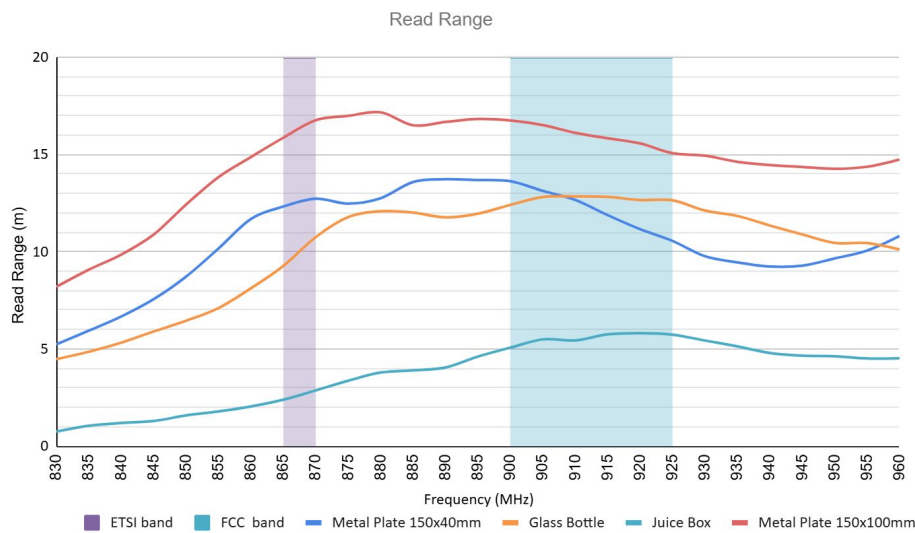
Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

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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