AD Midas Flagtag® U9XM

Overview

Frequency Band
UHF 860 - 960 MHz

Chip Attachment Technology
Direct Chip Attach

Chip
NXP UCODE 9xm

Antenna Dimensions
34 x 18 mm / 1.34 x 0.71 in

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

Industry Segments
Automotive
Industrial Applications
Logistics

Applications
On-Metal Asset Tracking

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

REACH
Regulation (EC) No. 1907/2006

Small and cost efficient tag for on-metal asset tracking

AD Midas Flagtag® U9XM is designed for item-level tagging on diverse surfaces, especially metallic. It is a cost-efficient UHF RFID on-metal solution for the automotive sector, featuring enhanced UCODE 9xm sensitivity. This product is ideally suited for marking various metal objects.

AD Midas Flagtag® U9XM has an innovative small form factor with a total size of 43 x 21 mm / 1.7 x 0.8 inch when used as a standard flat label. The folded part of the tag sticks out of the metal like a flag, and the attached antenna part uses the metal surface as part of the antenna structure to increase the performance of the tag.

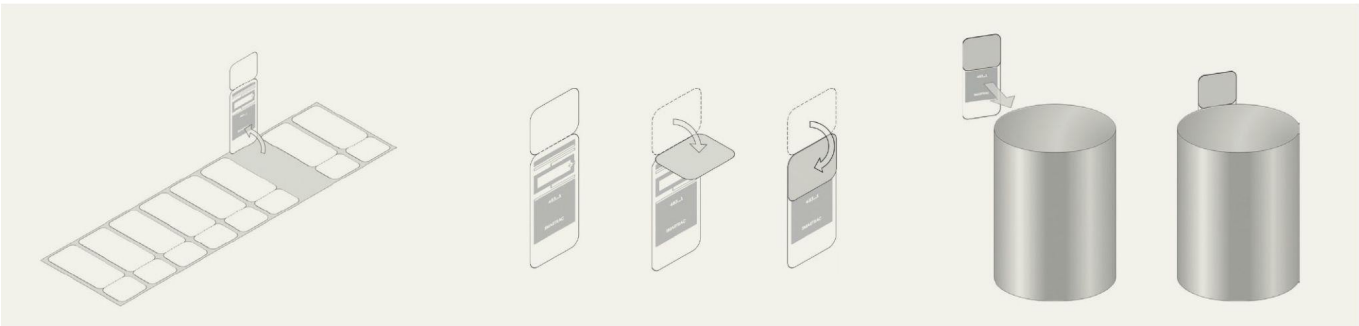
AD Midas Flagtag® equipped with NXP UCODE 9xm IC offers higher memory with 256-bit of EPC memory and 624-bit user memory. Furthermore, it offers a self adjust feature to maximize product performance i.e. longer read range in challenging environments.

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

Technical features

Chip	NXP UCODE 9xm
Chip Attachment Technology	Direct Chip Attach
EPC and User Memory	256-bit and 624-bit
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-609589
Delivery Format	Label
Die-Cut Dimension	43 x 21 mm / 1.69 x 0.83 in
Inlay Substrate	PET
Face Sheet	White PET 50
Standard Pitch	24 mm / 0.95 in
Web Width	46 mm / 1.8 in
Core Size	76 mm / 3 in
Quantity / Reel	5,000 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F

Folding instruction



1. Peel off Midas Flagtag® from substrate material, delivered in roll format.
2. Fold the white rectangle part along the perforation line to cover the transponder.
3. Apply the tag with the visible transponder area onto the metallic object and allow the folded flag to stick out..

Contact information
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+1-678-617-2359

Connect with us on:

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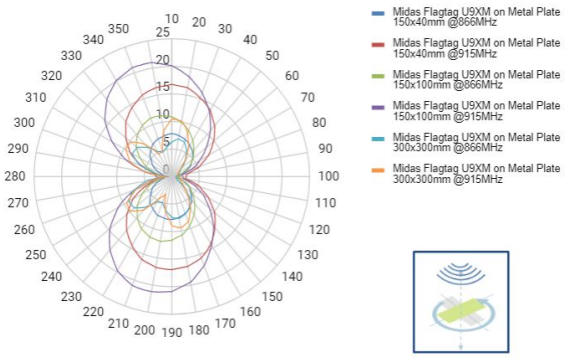
Warranty: Please refer to Avery Dennison standard terms and conditions: **rfid.averydennison.com/termsandconditions**

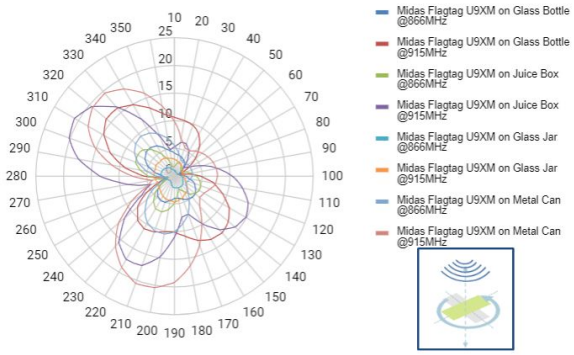
Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

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.

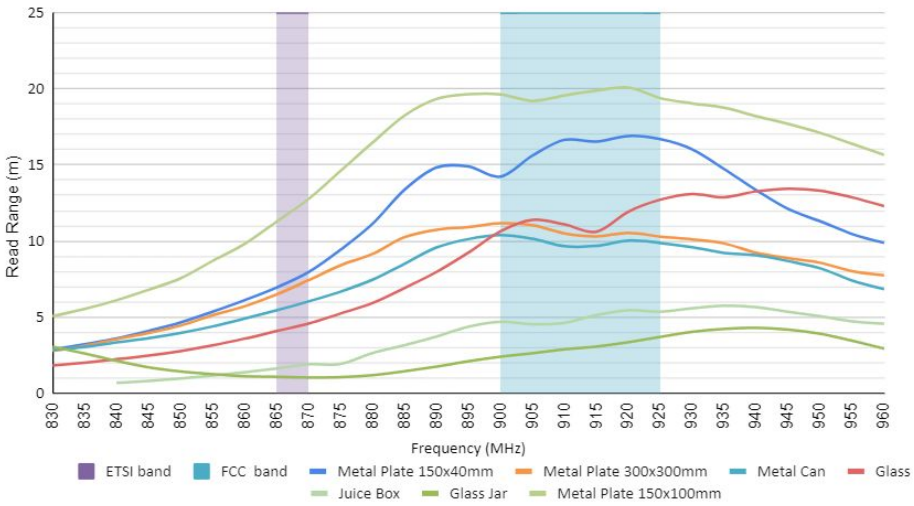
Read Distance on Metal



Read Distance on Metal



Read Range



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