

Midas Flagtag®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 8

Antenna Dimensions

34.41 x 18 mm / 1.36 x 0.71 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Logistics
Industrial Applications
Beauty and Personal Care

Applications

On-Metal Asset Tracking
Metal and Liquids
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

Our Midas Flagtag® is designed for item-level tagging on diverse surfaces, especially metallic surfaces like foil packaging. Midas Flagtag® is a cost-efficient UHF RFID on-metal solution for product or part authentication, supply chain and asset management, when compared to other foam-based inlays and hard tags designed for use in tougher environmental conditions. The tag can also be used on plastic and cardboard surfaces and works as a standard tag.

Midas Flagtag® has an innovative small form factor with a total size of 62 x 21 mm when used as a standard flat label / sticker. Its special feature is that a flag can be created at the end of tag with a final paper tag size of 43 x 21 mm after folding, and with an exposed flag size of 17 x 21 mm. 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. Read distances of over 10 meters can be achieved, depending on the geometry and size of the metal object. The tags are compatible with RFID printers for easy printing and encoding.

Our Midas Flagtag® is equipped with the NXP UCODE8 IC that features an Autotune function, which helps Midas Flagtag to work at peak efficiency, even in rapidly changing environments. Furthermore, the NXP UCODE 8 chip offer unique TID, enabling pre-serialized EPC, and is 100% performance tested.

Technical features

Chip	NXP UCODE 8
EPC and User Memory	128-bit and n/a
TID Memory	96-bit / 48-bit unique serial number
Product Code	3006945
Delivery Format	Wet inlay
Die-cut Dimension	62 x 21 mm / 2.44 x 0.83 in
Inlay Substrate	PET
Face Sheet	White PET
Standard Pitch	24 mm / 0.945 in
Web Width	65 mm / 2.6 in
Core Size	76 mm / 3 in
Quantity / Reel	15000 pcs / box
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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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.