

Midas Flagtag®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza R6

Antenna Dimensions

31.41 x 18 mm / 1.24 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, and offers excellent performance in less demanding physical environments.

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.

Midas Flagtag® has an innovative small form factor with a total size of 60 x 21 mm when used as a standard flat paper tag. 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 Impinj Monza R6 IC that features an Autotune function, which helps Midas Flag Tag to work at peak efficiency, even in rapidly changing environments. Furthermore, the Monza R6 chip offers a unique TID, enabling pre-serialized EPC, and is 100% performance tested.

Technical features

Chip	Impinj Monza R6	
EPC and User Memory	96-bit and n/a	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	3005582	3005881
Delivery Format	Wet inlay	Dry inlay
Die-cut Dimension	60 x 21 mm / 2.36 x 0.83 in	-
Inlay Substrate	PET	
Face Sheet	White PET	Clear PET
Standard Pitch	24 mm / 0.945 in	
Web Width	63 mm / 3 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

rfid.averydennison.com/contact

North America: +1-866-903-7343 (toll free US)

International: +1-678-617-2359



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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.