

Midas Flagtag®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7XM

Antenna Dimensions

47 x 18 mm / 1.85 x 0.71 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Automotive
Logistics
Industrial Applications
Aviation

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



Designed for item-level tagging in automotive and other industries

Our Midas Flagtag® with NXP's UCODE® 7xm is designed for item-level tagging. It can be applied on diverse surfaces, especially metallic surfaces, and offers excellent performance in less demanding physical environments. The tag can also be used on plastic and cardboard and works as a standard tag. The product is fully compliant with VDA (German Association of the Automotive Industry) recommendations for RFID implementations used in the tracking of parts and components in the automotive industry.

Midas Flagtag® has an innovative compact form factor with a total size of 72 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 label / sticker size of 50 x 21 mm after folding, and with an exposed flag size of 22 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.

Our Midas Flagtag® is equipped with NXP's UCODE 7xm IC that comprises an extended user memory of up to 2 kbit to store data specific to customers or products.

Our 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, especially in the retail environment.

Technical features

Chip	NXP UCODE 7XM	
EPC and User Memory	448-bit and 2048-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	3006991	3007153
Delivery Format	Wet inlay	
Die-cut Dimension	72 x 21 mm / 2.84 x 0.83 in	
Inlay Substrate	PET	
Face Sheet	White PET	
Standard Pitch	24 mm / 0.945 in	
Web Width	75 mm / 2.6 in	
Core Size	76 mm / 3 in	
Quantity / Reel	10000 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.