Midas Flagtag® U7XM

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 Directive (EU) 2015/863

REACH
Regulation (EC) No. 1907/2006

Designed for item-level tagging in automotive and other industries

Our AD 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.

AD 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.

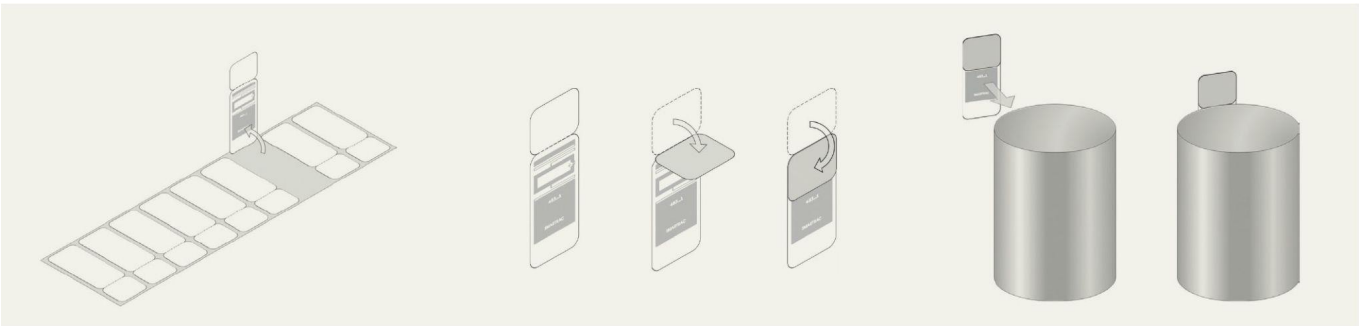
Our AD Midas Flagtag® is equipped with NXP's UCODE 7xm IC that comprises an extended user memory of up to 2 kbit to store data specific to customers or products.

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 / IL-603360	3007153 / IL-603460
Delivery Format	Label	Label
Die-Cut Dimension	72 x 21 mm / 2.84 x 0.83 in	72 x 21 mm / 2.84 x 0.83 in
Inlay Substrate	PET	PET
Face Sheet	White PET	White PET 50
Standard Pitch	24 mm / 0.945 in	24 mm / 0.945 in
Web Width	75 mm / 2.953 in	75 mm / 2.953 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	5000 pcs/reel 10000 pcs/box	5000 pcs/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..

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