

AD G7 U7XM

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7XM

Chip Attachment Technology

Direct Chip Attach

Antenna Dimensions

100 x 20 mm / 3.937 x 0.787 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Automotive

Applications

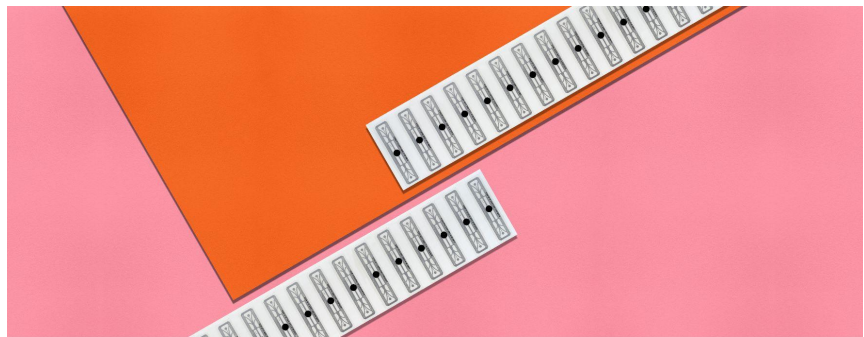
Vehicle tracking
Toll payment

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No 1907/2006



Enhancing automotive tagging with durable tag for windshields

New addition to automotive applications, AD G7 U7XM inlays and tags are especially designed and tested for non-metallic solar films on passenger car windshields, making them ideal for toll payment (Single Lane Gantry Toll Collection) and vehicle tracking applications. Featuring an anti-tamper design with a fragile antenna for additional safety, AD G7 U7XM offers exceptional performance when applied externally, enduring harsh environmental conditions such as UV exposure and rain.

AD G7 U7XM is available with the NXP UCODE 7XM ICs with extended memory, supporting 2 kbit of user memory and up to 448-bit EPC memory and suitable for applications which require extended user memory to store data specific to products. U7XM also has brand protection feature using digital signature.

Our inlays and tags are halogen-free and are compliant with ISO 9001:2015 Quality Management as well as ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of applications with extended user memory needs.

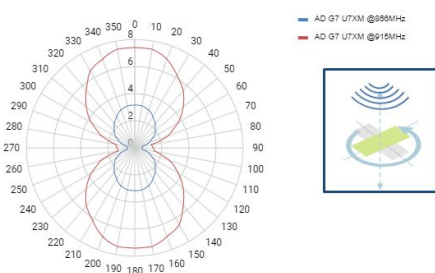
Technical features

Chip / IC Attachment Technology	NXP Ucode 7XM / Direct Chip Attach
EPC and User Memory	Up to 448-bit and 2-Kbit
TID Memory	96-bit / 48-bit unique serial number
Product Code*	IL-611904
Delivery Format	Wet inlay
Die-Cut Dimension	106 x 26 mm / 4.173 x 1.024 in
Inlay Substrate	PET 100
Face Sheet	-
Standard Pitch	39 mm / 1.535 in
Web Width	112 mm / 4.409 in
Core Size	76 mm / 3 in
Quantity / Reel	2,500 pcs/reel TBD pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
Certificates	N/A

*Other product codes available upon request.

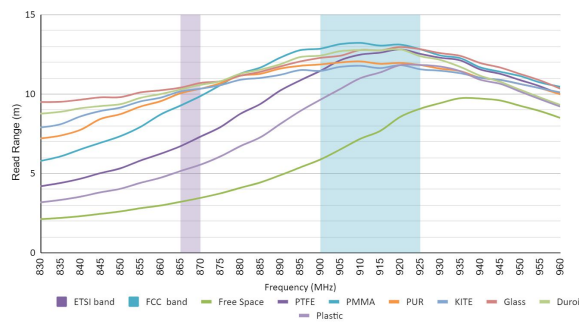
Orientation sensitivity

Read Distance on Free Space



Read range

Read Range



All graphs are indicative: performance in real life applications may vary.

Contact information

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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.

