

# AD Twist U9XM

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip Attachment Technology**

Direct Chip Attach

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**Chip**

NXP UCODE 9xm

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**Antenna Dimensions**

23 x 23 mm / 0.906 x 0.906 in

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**International Standard**

ISO 18000-63, EPC Class 1 Gen 2

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**Industry Segments**

Automotive  
Industrial Application  
Logistics

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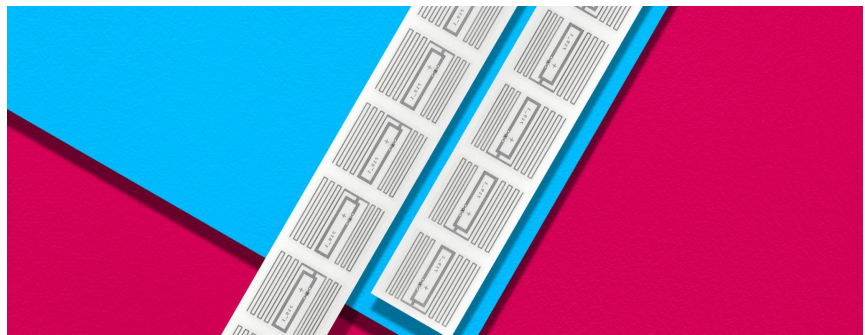
**RoHS**

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

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**REACH**

Regulation (EC) No 1907/2006



## Small inlay with high performance for automotive and industry applications

AD Twist U9XM inlays and tags are designed for applications in the automotive, industry and logistics, and it offers excellent performance on all materials.

AD Twist U9XM features a tiny optimized 23 mm / 0.9 inch size that makes it suitable to be converted into a loop tag format and attached around any size of asset, such as cables, tubes and wires where attaching a standard UHF inlay on the surface of item is challenging.

AD Twist equipped with NXP UCODE 9xm IC offers higher memory with 256-bit of EPC memory and 624-bit user memory. Furthermore, it offers a self adjust feature to maximize product performance i.e. longer read range in challenging environments.

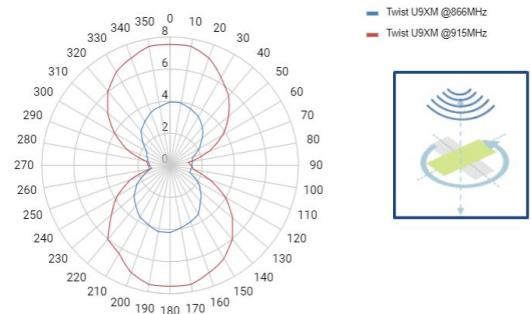
Avery Dennison Smartrac inlays and tags are halogen-free and are compliant with ISO 9001:2015 Quality Management as well as ISO 14001:2015 Environmental Management Standards, which ensure a reliable and state-of-the-art product that meets a variety of applications needs.

## Technical features

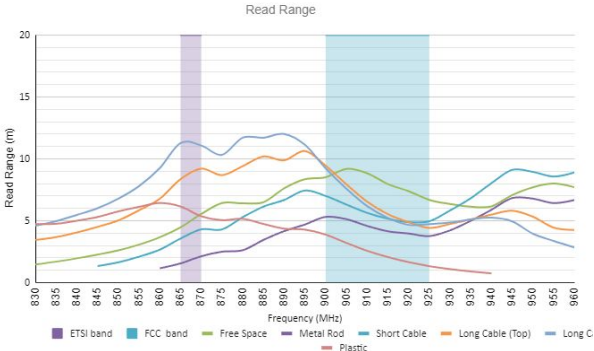
Chip	NXP UCODE 9xm
Chip Attachment Technology	Direct Chip Attach
EPC and User Memory	256-bit and 624-bit
TID Memory	96-bit / 48-bit unique serial number
Product Code*	3009484 / IL-609407
Delivery Format	Wet inlay
Die-Cut Dimension	25 x 25 mm / 0.98 x 0.98 in
Inlay Substrate	PET
Face Sheet	-
Standard Pitch	28 mm / 1.10 in
Web Width	30 mm / 1.18 in
Core Size	76 mm / 3 in
Quantity / Reel	10,000 pcs/reel TBD pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F

\*Other product codes available upon request.

## Orientation sensitivity



## 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](https://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.