

# AD-327 U9 ETSI

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 9

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**Antenna Dimensions**

41 x 16 mm / 1.63 x 0.63 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel  
Logistics  
Healthcare

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**Applications**

Supply Chain Management  
Home Essentials  
Inventory and Logistics

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**RoHS**

EU Directive 2011/65/EU and  
2015/863 Compliant

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## Superior performance across a wide range of dielectrics

AD-327 U9 ETSI inlays from Avery Dennison are ideally suited for a wide variety of RFID tagging applications, particularly those related to the areas of supply chain, inventory and logistics, apparel, and pharmaceutical & healthcare.

The Gen2 UHF RFID inlay's 41.4 x 16mm design is optimized for outstanding performance in the ETSI frequency band (865-868 MHz) and features the UCODE 9 IC by NXP.

AD-327 U9 ETSI's UCODE 9 chip features 96-bit of EPC memory and a 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory encoded into the TID. UCODE 9 supports all mandatory commands of EPC global specification V.2.0.1 including (Perma) LOCK and Kill Command.

Delivery formats include dry, wet and paper inlay.

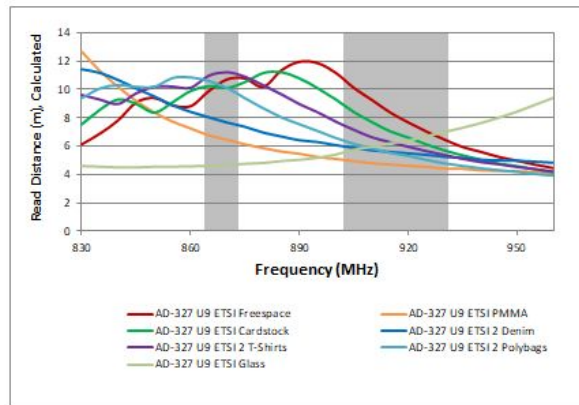
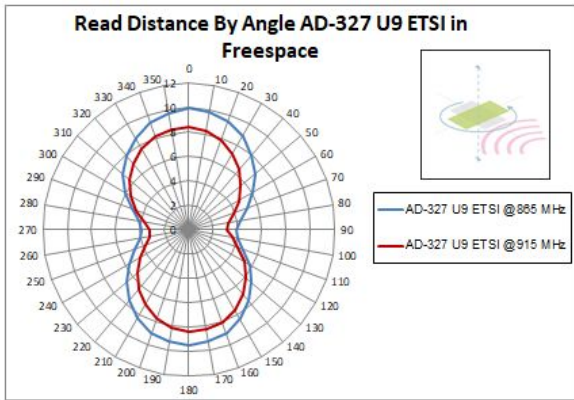
Like all RFID products from Avery Dennison, AD-327 U9 ETSI inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

## Technical features

Chip	NXP UCODE 9		
EPC	96-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF602248 / IL-605279	RF602249 / IL-605625	RF101036 / IL-605226
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	-	44 x 19 mm / 1.75 x 0.75 in	44 x 19 mm / 1.75 x 0.75 in
Inlay Substrate	Paper	Paper	Paper
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	11–14 mils / 279–356 microns	12–15 mils / 305–381 microns	16–19 mils / 405–483 microns
Standard Pitch	38.1 mm / 1.5 in	38.1 mm / 1.5 in	38.1 mm / 1.5 in
Web Width	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Maximum Outside Diameter	387 mm / 15.25 in	330.2 mm / 13 in	203.2 mm / 8 in
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC Spec K		

## 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](http://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.

