

# AD-665u8

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 8

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**Antenna Dimensions**

90 x 19 mm / 3.54 x 0.75 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Automotive  
Industrial Applications  
Sports and Events

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**Applications**

Sports Timing  
Asset Tracking  
Inventory

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**RoHs**

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

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## Superior performance on high dielectric materials

AD-665u8 inlays from Avery Dennison are Gen2 UHF RFID products that perform exceptionally well in a wide array of applications and across a broad range of dielectrics.

The product is suitable for a wide variety of RFID tagging applications, particularly those related to Automotive and Industrial Asset Tracking, Race Timing, and Personal ID Badges. AD-665u8 is an excellent choice for tagging glass windshields, where it can achieve read distances of over 10 meters with a fixed or handheld reader.

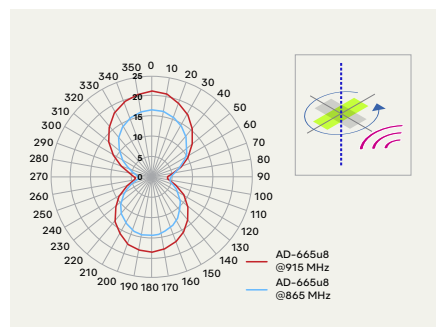
AD-665u8 is equipped with the NXP UCODE 8 chip that comes with 128-bit of EPC memory, and 96-bit of serialized TID with a 48-bit unique serial number. The product is available in Dry Inlay and Wet Inlay delivery formats.

Like all RFID products from Avery Dennison Intelligent Labels, AD-665u8 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.

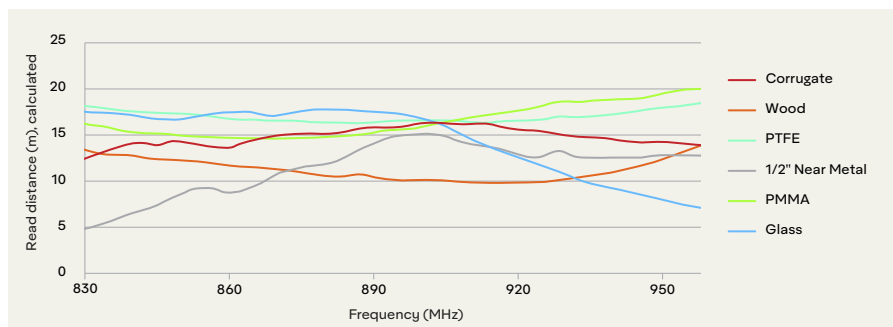
## Technical features

Chip	NXP UCODE 8	
EPC and User Memory	128-bit and n/a	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF601207	RF601209
Delivery Format	Dry inlay	Wet inlay
Die-cut Dimension	-	93 x 22 mm / 3.67 x 0.87 in
Inlay Substrate	Opaque PET	
Total Thickness	11 - 13 mils / 270 - 320 microns	11 - 13 mils / 277 - 327 microns
Standard Pitch	31.75 mm / 1.25 in	
Web Width	98 mm / 3.875 in	
Core Size	76 mm / 3 in	
Quantity / Reel	20000 pcs/reel	10000 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F	
On-Metal	Non metal	

## Orientation sensitivity



## Read range



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

## Contact information

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RoHS

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**Warranty:** Please refer to Avery Dennison Intelligent Labels 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.

