

# AD-806 U7

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 7

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**Antenna Dimensions**

16 x 16 mm / 0.63 x 0.63 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel  
Healthcare

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**Applications**

Jewelry  
Pharmaceutical and Healthcare

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**RoHS**

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

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## Fulfilling specific demands in healthcare and beauty

AD-810r6 inlays from Avery Dennison are a great fit for tagging glass vials and other small to medium sized medical and beauty (cosmetics or perfume) packages.

The globally tuned inlay can achieve up to 1.7 meter read distance when applied to liquid-filled glass or plastic bottles.

The 16mm, round antenna is cleanly cut onto an opaque white PET carrier and is equipped with the Impinj Monza® R6 integrated circuit (IC) that further contributes to the product's benefits due to its excellent performance on glass and plastic materials.

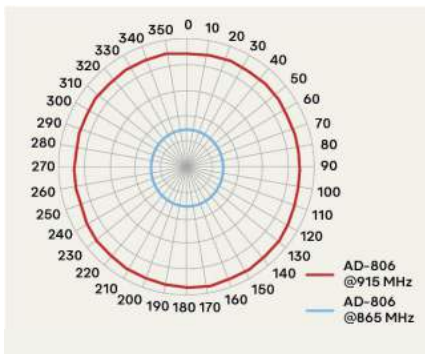
The Monza R6 chip comes with 96-bit of EPC memory, a 48-bit unique serialized TID number, and an AutoTune™ feature. AD-810r6 inlays are available in both Dry and Wet Inlay delivery formats.

Like all RFID products from Avery Dennison, AD-810r6 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.

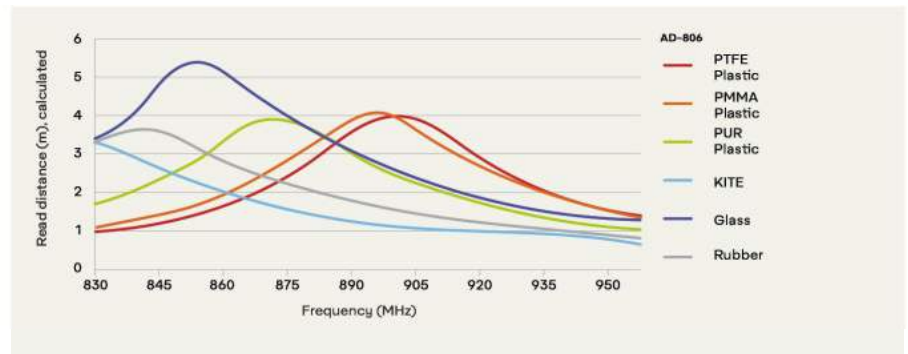
## Technical features

Chip	NXP UCODE 7	
EPC and User Memory	128-bit and n/a	
TID Memory	96-bit	
Product Code	RF600542 / IL-604491	RF600560 / IL-606706
Delivery Format	Dry inlay	Wet inlay
Die-Cut Dimension	– 19 x 19 mm / 0.75 x 0.75 in	
Inlay Substrate	PET	
Total Thickness	10 - 12 mils / 261 - 312 microns	12 - 14 mils / 300 - 350 microns
Standard Pitch	31.75 mm / 1.25 in	
Web Width	30 mm / 2 in	
Core Size	76 mm / 3 in	
Quantity / Reel	20402 pcs/reel	18181 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

[rfid.averydennison.com/contact](http://rfid.averydennison.com/contact)  
 +1-678-617-2359

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.

