

# AD-321 R6-P

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

Impinj Monza R6-P

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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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## Versatility plus top read ranges

AD-321r6 and AD-321r6-P inlays from Avery Dennison provide solutions of choice for a wide variety of RFID tagging applications, particularly those related to the areas of supply chain, inventory & logistics, apparel, and pharmaceutical & healthcare.

The Gen2 UHF RFID inlay provides outstanding global performance, however, an ETSI-tuned design with the same footprint is also available for higher performance when reading in the EU region (865 - 868 MHz). AD-321 is available in two chip formats, Monza R6 and Monza R6-P, whereas AD-321 ETSI comes with the Monza R6-P chip exclusively.

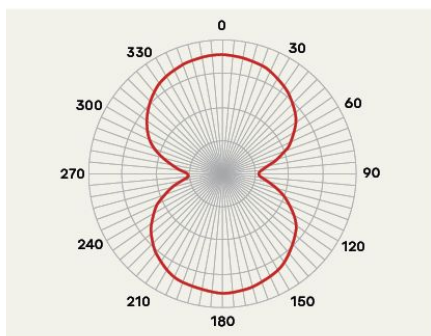
AD-321r6 with the Impinj Monza R6 IC comes with 96-bit EPC memory while AD-321r6-P with the Impinj Monza R6-P is available with up to 128/96-bit EPC memory and up to 32/64-bit user memory.

Like all RFID products from Avery Dennison, AD-321r6 and AD-321r6-P 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.

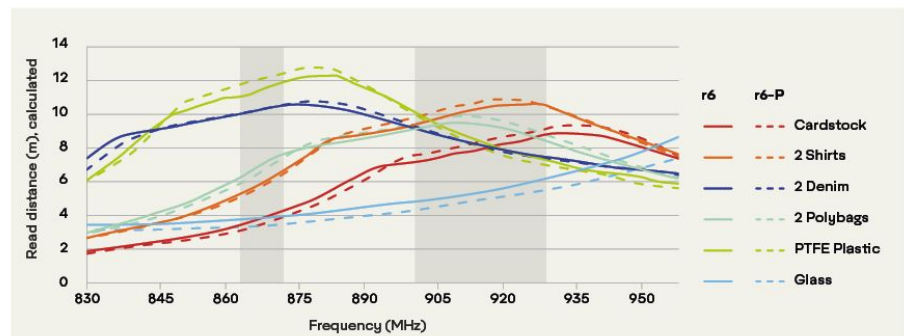
## Technical features

Chip	Impinj Monza R6-P		
EPC and User Memory	128-bit / 96-bit and 32-bit / 64-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF600789 / IL-604425	RF600788 / IL-604426	RF100377 / IL-606568
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	-	44.5 x 19 mm / 1.75 x 0.75 in	44.5 x 19 mm / 1.75 x 0.75 in
Inlay Substrate	Opaque PET	Opaque PET	40# Paper
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	9 - 11 mils / 229 - 279 microns	11 - 13 mils / 279 - 330 microns	12 - 14 mils / 305 - 356 microns
Standard Pitch	25.4 mm / 1 in	25.4 mm / 1 in	38.1 mm / 1.5 in
Web Width	50.8 mm / 2 in		
Core Size	76 mm / 3 in		
Quantity / Reel	40000 pcs/reel	20000 pcs/reel	8000 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificates	ARC		

## Orientation sensitivity



## Read range



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

## Contact information

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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.

