

# AD-321r6

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

Impinj Monza R6

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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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## Exceptional performance across a wide range of dielectrics

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.

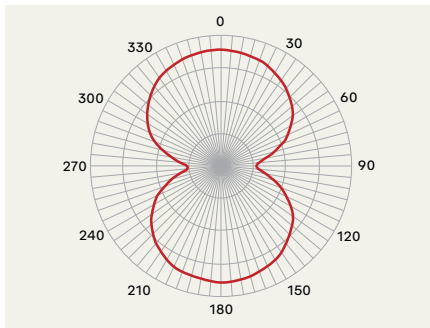
AD-321r6 with the Impinj Monza R6 IC comes with 96-bit EPC memory while AD-321r6-P with the Impinj Monza R6-P is available with up to 128/96-bit EPC memory and up to 32/64-bit user memory.

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.

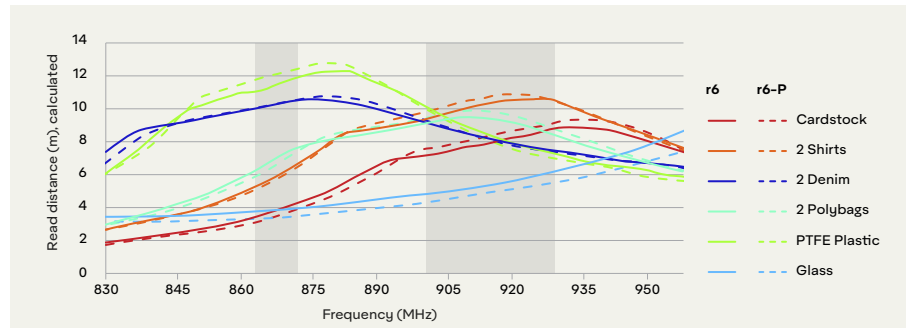
## Technical features

<b>Chip</b>	Impinj Monza R6		
<b>EPC and User Memory</b>	96-bit and n/a		
<b>TID Memory</b>	96-bit / 48-bit unique serial number		
<b>Product Code</b>	RF600599	RF600600	RF100314
<b>Delivery Format</b>	Dry inlay	Wet inlay	Label / sticker
<b>Die-cut Dimension</b>	-	44.5 x 19 mm / 1.75 x 0.75 in	44.5 x 19 mm / 1.75 x 0.75 in
<b>Inlay Substrate</b>	Opaque PET	Opaque PET	40# Paper
<b>Face Sheet</b>	-	-	TT2C (FASSON®) Bright White
<b>Total Thickness</b>	9 - 11 mils / 229 - 279 microns	11 - 13 mils / 279 - 330 microns	12 - 14 mils / 305 - 356 microns
<b>Standard Pitch</b>	25.4 mm / 1.0 in	25.4 mm / 1.0 in	38.1 mm / 1.5 in
<b>Web Width</b>	50.8 mm / 2 in		
<b>Core Size</b>	76 mm / 3 in		
<b>Quantity / Reel</b>	40000 pcs/reel	20000 pcs/reel	3225 pcs/reel
<b>Operating Temperature</b>	-40 °C to 85 °C -40 °F to 185 °F		
<b>On-Metal</b>	Non metal		
<b>Certificate</b>	ARC		

## 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 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.

