

# AD-301r6 NEL

## 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**

15 x 30 mm / 0.6 x 1.2 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**

Brand Protection  
Fashion Jewelry and Sunglasses  
Pharmaceutical and Healthcare

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**RoHs**

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

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## Ideal for tagging smaller products

AD-301r6 NEL inlays from Avery Dennison are petite, yet powerful solutions recommended for item level tagging of smaller sized products like children accessories, fashion jewelry and sunglasses as well as healthcare and pharmaceutical items.

The Gen2 UHF RFID inlay comes with a 15 x 30mm antenna that is a global design operating satisfactorily with maximum performance at 902-928 MHz (FCC). The design is available with two chip options: Monza R6 and Monza R6-P.

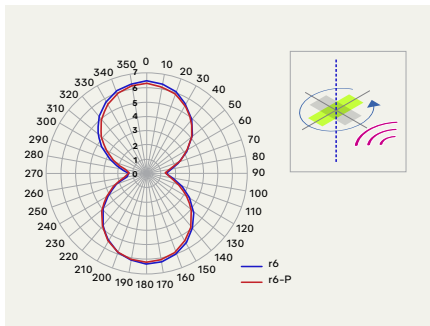
AD-301r6 NEL with the Impinj Monza R6 IC comes with 96-bit of EPC memory while AD-301r6-P with the Impinj Monza R6-P is available with both EPC and user memory options. In addition, the R6-P based inlays provide additional features including kill and access password protection to ensure user privacy. Both AD-301r6 and AD-301r6-P are available in dry, wet and label / sticker delivery formats.

Like all RFID products from Avery Dennison, AD-301r6 and AD-301r6-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.

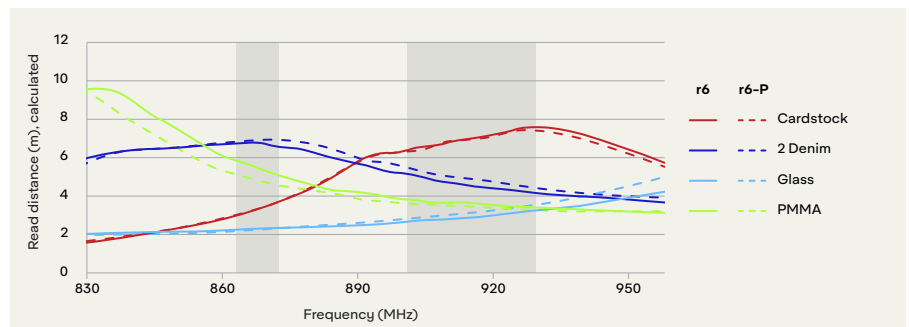
## Technical features

<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>	RF601336	RF601338	RF100628
<b>Delivery Format</b>	Dry inlay	Wet inlay	Label / sticker
<b>Die-cut Dimension</b>	-	18 x 33 mm / 0.70 x 1.30 in	18 x 33 mm / 0.70 x 1.30 in
<b>Inlay Substrate</b>	PET		
<b>Face Sheet</b>	-	-	White BOPP
<b>Total Thickness</b>	5 - 7 mils / 132 - 183 microns	6 - 8 mils / 142 - 193 microns	9 - 11 mils / 234 - 285 microns
<b>Standard Pitch</b>	38.1 mm / 1.5 in		
<b>Web Width</b>	37 mm / 1.5 in		
<b>Core Size</b>	76 mm / 3 in		
<b>Quantity / Reel</b>	12000 pcs/reel	19238 pcs/reel	4830 pcs/reel
<b>Operating Temperature</b>	-40 °C to 85 °C -40 °F to 185 °F		
<b>On-Metal</b>	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 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.