

# 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**

30 x 15 mm / 1.20 x 0.60 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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**REACH**

Regulation (EC) No. 1907/2006

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## Ideal for tagging smaller products

AD-301r6 and AD-301r6-P 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.

Both Gen2 UHF RFID inlays share a 30 x 15mm antenna that is a global design operating satisfactorily in both FCC and ETSI frequency bands with maximum performance at 902-928 MHz (FCC). The design is available with two chip options: Monza R6 and Monza R6-P.

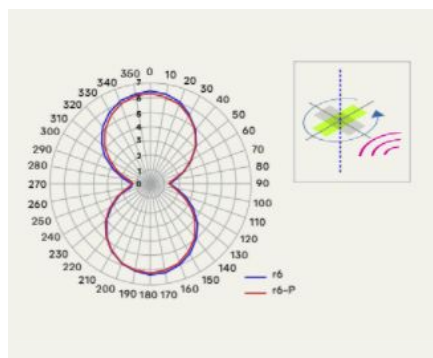
AD-301r6 with the Impinj Monza R6 IC comes with 96-bit of EPC memory while AD-301r6-P with the Impinj Monza R6-P is available with both EPC and user memory options. In addition, the R6-P based inlays provide additional features including kill and access password protection to ensure user privacy. Both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

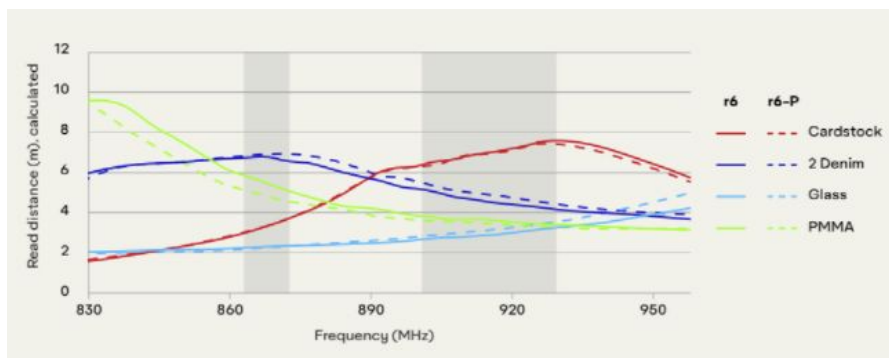
## Technical features

Chip	Impinj Monza R6		
EPC and User Memory	96-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF601336 / IL-603756	RF601338 / IL-603757	RF100628 / IL-606806
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	–	18 x 33 mm / 0.70 x 1.30 in	18 x 33 mm / 0.70 x 1.30 in
Inlay Substrate	PET		
Face Sheet	–	–	White BOPP
Total Thickness	5 - 7 mils / 132 - 183 microns	6 - 8 mils / 142 - 193 microns	9 - 11 mils / 234 - 285 microns
Standard Pitch	38.1 mm / 1.5 in		
Web Width	37 mm / 1.5 in		
Core Size	76 mm / 3 in		
Quantity / Reel	12,000 pcs/reel	19,238 pcs/reel	4,830 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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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.

