

May 2021

# AD Shortdipole R6

## 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**

92.75 x 11 mm / 3.65 x 0.43 in

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**Die-cut Dimensions**

54 x 25 mm / 2.13 x 0.98 in (folded)

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**International Standard**

ISO 18000-63, EPC Class 1 Gen 2

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**Industry Segments**

Apparel  
Logistics  
Industrial Applications

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**Applications**

Returnable Transport Units (RTUs)  
Supply Chain Management  
Brand Protection

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**RoHS**

EU Directive 2011/65/EC and  
Directive (EU) 2015/863

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**REACH**

Regulation (EC) No 1907/2006



## Excellent global performance on various materials

Our AD Shortdipole inlays and tags are designed and optimized for global retail, industry and supply chain applications, offering excellent performance in many situations, including on lower detuning materials like cardboard, plastics, corrugated boxes and RTIs.

AD Shortdipole inlays and tags are a size-optimized 100 mm / 4 inch form factor, making them suitable for use with a wide range of supply chain labels, and are available in dry, wet and label / sticker delivery formats.

They are now offered with the Impinj Monza R6 and R6-P chips that come with an autotune feature, which helps the AD Shortdipole product to work at peak efficiency, even in rapidly changing environments. AD Shortdipole with the Monza R6 chip offers a unique TID and enables pre-serialized EPC. Inlays with Monza R6-P offer additional features such as add-on user memory and on-demand memory configuration as well as a kill function and easy access control to change tag information for store data, if required.

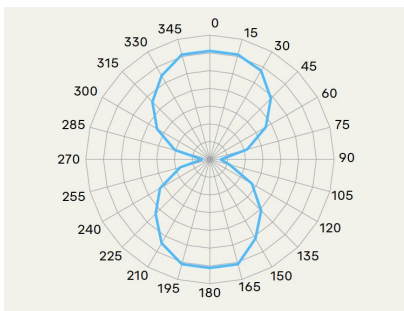
Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

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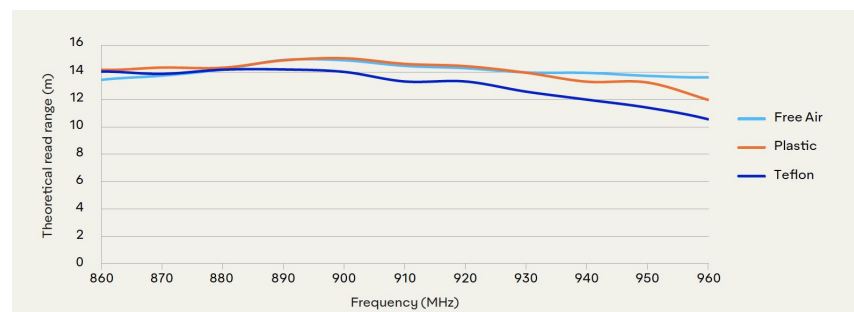
## Technical features

Chip	Impinj Monza R6	
EPC and User Memory	96-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	3004232 / IL-602822	3004272 / IL-602824
Delivery Format	Dry inlay+	Wet inlay+
Die-Cut Dimension	-	97 x 15 mm / 3.82 x 0.59 in
Inlay Substrate	PET	PET
Face Sheet	Clear PET	Clear PET
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	97 mm / 3.82 in	100 mm / 4 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	20000 pcs/reel	20000 pcs/reel 20000 pcs/box
Operating Temperature	--40 °C to 85 °C -40 °F to 185 °F	

## 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.

