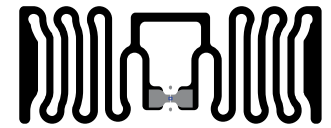




RFID

UHF RFID Inlays

**AD-321r6**

<b>Dimensions</b>	41.1 x 16 mm
<b>Operating Frequency</b>	Global (860 – 960 MHz)
<b>RF Protocol</b>	ISO-18000-6C, EPC Class 1, Gen 2
<b>Chip</b>	Impinj Monza R6
<b>EPC Memory</b>	96 bit
<b>TID Memory</b>	48-bit unique serialized TID number

**Common Applications**

Supply Chain, Inventory & Logistics  
Apparel  
Pharmaceutical and Healthcare

Toll free US 866-903- RFID (7343) / [rfid.info@averydennison.com](mailto:rfid.info@averydennison.com)

International +1-770-965-0807

PART NUMBER	RF600599	RF600600	RF100314
Format	Dry Inlay	Wet Inlay	Paper Label
Antenna dimensions (CDxMD)	1.63 x 0.63 in (41.4 x 16 mm)	1.63 x 0.63 in (41.4 x 16 mm)	1.63 x 0.63 in (41.4 x 16 mm)
Die-cut dimensions	N/A	1.755 x 0.755 in (44.6 x 19.17 mm)	1.75 x 0.75 in (44.5 x 19.0 mm)
Inlay substrate material	White PET	White PET	N/A
Inlay-to-liner adhesive	N/A	S-490 (FASSON)	S-490 (FASSON)
Liner material	N/A	1.5M Clear PET	40# SCK (FASSON)
Face Sheet	N/A	N/A	55# 2C (FASSON) Bright White
Standard pitch	1.0 in (25.4 mm)	1.0 in (25.4 mm)	1.5 in (38.1 mm)
Standard web width	2 in (50.8 mm)	2.0 in (50.8 mm)	2.0 in (50.8 mm)
Total thickness over chip	9 -11 mils (229-279 microns)	11-13 mils (279-330 microns)	12 -14 mils (305-356 microns)
Operating temperature	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)
RoHS	EU Directive 2011/65/EU Compliant	EU Directive 2011/65/EU Compliant	EU Directive 2011/65/EU Compliant
Quality assurance	100% read tested with-of-tolerance inlay marked	100% read tested with-of-tolerance inlay marked	100% read tested with-of-tolerance inlay marked
Un-wind direction	Inlay-side Out	PS Inlay-side Out	Label-side Out
Core size with adaptor insert	3 in (76.2 mm)	3 in (76.2mm)	3 in (76.2 mm) (no foam)
Maximum roll outer diameter (not to exceed)	17 in (431.8 mm)	13 in (330.2mm)	15.25 in (387.4 mm)
Average # of units per roll	40,000 good +/- 10%	20,000 good +/- 10%	13,500 good +/- 10%
Rev	02	02	02

**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.

**Warranty:** Please refer to Avery Dennison RFID standard terms and conditions.

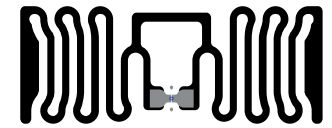
**Product Information:** Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

**Trademark statement:** Avery Dennison, S490 and Fasson are trademarks of Avery Dennison Corporation. US D775,109 and other patents pending. For the most recent information on Avery Dennison products, visit [www.rfid.averydennison.com](http://www.rfid.averydennison.com).



RFID

UHF RFID Inlays

**AD-321r6-P**

<b>Dimensions</b>	41.1 x 16 mm
<b>Operating Frequency</b>	Global (860 – 960 MHz)
<b>RF Protocol</b>	ISO-18000-6C, EPC Class 1, Gen 2
<b>Chip</b>	Impinj Monza R6-P
<b>EPC Memory</b>	128/96 bits
<b>USER Memory</b>	32/64 bits
<b>TID Memory</b>	48-bit unique serialized TID Number

**Common Applications**

Supply Chain, Inventory & Logistics  
Apparel  
Pharmaceutical and Healthcare

Toll free US 866-903- RFID (7343) / [rfid.info@averydennison.com](mailto:rfid.info@averydennison.com)  
International +1-770-965-0807

PART NUMBER	RF600789	RF600788	RF100377
Format	Dry Inlay	Wet Inlay	Paper Label
Antenna dimensions (CDxMD)	1.63 x 0.63 in (41.4 x 16 mm)	1.63 x 0.63 in (41.4 x 16 mm)	1.63 x 0.63 in (41.4 x 16 mm)
Die-cut dimensions	N/A	1.755 x 0.755 in (44.6 x 19.17 mm)	1.75 x 0.75 in (44.5 x 19.0 mm)
Inlay substrate material	White PET	White PET	N/A
Inlay-to-liner adhesive	N/A	S-490 (FASSON)	S-490 (FASSON)
Liner material	N/A	1.5M Clear PET	40# SCK (FASSON)
Face Sheet	N/A	N/A	55# 2C (FASSON) Bright White
Standard pitch	1.0 in (25.4 mm)	1.0 in (25.4 mm)	1.5 in (38.1 mm)
Standard web width	2.0 in (50.8 mm)	2.0 in (50.8 mm)	2.0 in (50.8 mm)
Total thickness over chip	9 -11 mils (229-279 microns)	11-13 mils (279-330 microns)	12 -14 mils (305-356 microns)
Operating temperature	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)
RoHS	EU Directive 2011/65/EU Compliant	EU Directive 2011/65/EU Compliant	EU Directive 2011/65/EU Compliant
Quality assurance	100% read tested with-of-tolerance inlay marked	100% read tested with-of-tolerance inlay marked	100% read tested with-of-tolerance inlay marked
Un-wind direction	Inlay-side Out	PS Inlay-side Out	Label-side Out
Core size with adaptor insert	3 in (76.2 mm)	3 in (76.2mm)	3 in (76.2 mm) (no foam)
Maximum roll outer diameter (not to exceed)	17 in (431.8 mm)	13 in (330.2mm)	8 in (203.2 mm)
Average # of units per roll	40,000 good +/- 10%	20,000 good +/- 10%	8,000 good +/- 10%
Rev	01	01	01

**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.

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