



RFID

UHF RFID Inlays

**AD-301r6**

<b>Dimensions</b>	30 x 15 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**

Children Accessories  
 Fashion Jewelry and Sunglasses  
 Pharmaceutical/Healthcare

PART NUMBER	RF600925	RF600900	RF100388
Format	Dry Inlay	Wet Inlay	Pressure Sensitive Paper Label
Antenna dimensions (CDxMD)	1.18 x 0.59 in (30 x 15 mm)	1.18 x 0.59 in (30 x 15 mm)	1.18 x 0.59 in (30 x 15 mm)
Die-cut dimensions	N/A	1.299 x 0.709 in (33 x 18 mm)	1.299 x 0.709 in (33 x 18 mm)
Inlay substrate material	Clear PET	Clear PET	Clear PET
Inlay-to-liner adhesive	N/A	S-490	S-490
Liner material	N/A	1.5 mil PET	40# SCK
Face Sheet	N/A	N/A	55# 2C 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	1.5 in (38.1 mm)	1.5 in (38.1 mm)	1.5 in (38.1 mm)
Total thickness over chip	7-9 mils (178-279 microns)	9-11 mils (229-279 microns)	13-15 mils (330-381 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 (76.2 mm)	3 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	15.375 in (390.5 mm)	8 in (203.2 mm)	8 in (203.2 mm)
Average # of units per roll	16,000 +/- 10%	4,800 (+0, -200)	4,800 (+0, -200)
Rev	00	00	00

**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.

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