



RFID

UHF RFID Inlays

**AD-237r6**

<b>Dimensions</b>	70 x 14.5 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 and Logistics  
Apparel  
Home Goods

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PART NUMBER	RF600597	RF600598	RF100309
Format	Dry Inlay	Wet Inlay	Pressure Sensitive Label
Antenna dimensions (CDxMD)	2.756 x 0.571 in (70.0 x 14.5 mm)	2.756 x 0.571 in (70.0 x 14.5 mm)	2.756 x 0.571 in (70.0 x 14.5 mm)
Die-cut dimensions	N/A	2.881 x 0.696 in (73.18 x 17.68 mm)	3.0 x 0.8 in (76.2 x 20.3 mm)
Inlay substrate material	White PET	White PET	N/A
Inlay-to-liner adhesive	N/A	S-490	S-490
Liner material	N/A	1.5M Clear PET	40# SCK
Face Sheet	N/A	White PET	55# 2C Bright White
Standard pitch	0.875 in (22.2 mm)	0.875 in (22.2 mm)	1.5 in (38.1 mm)
Standard web width	3.75 in (95.25 mm)	3.0 in (76.2 mm)	3.25 in (82.6 mm)
Total thickness over chip	7-9 mils (178-229 microns)	7-9 mils (178-229 microns)	9 -11 mils (229-279 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	6 in (152.4 mm)	3 in (76.2mm)	3 in (76.2 mm)
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%	10,000 good +/- 10%	12,500 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.

**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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