



RFID

UHF RFID Inlays

# AD-237r6



**Dimensions** 70 x 14.5 mm  
**Operating Frequency** Global (860 – 960 MHz)  
**RF Protocol** ISO-18000-6C, EPC Class 1, Gen 2  
**Chip** Impinj Monza R6  
**EPC Memory** 96 bit  
**TID Memory** 48-bit unique serialized TID Number

### Common Applications

Apparel and Retail  
 Asset Tracking

PART NUMBER	RF600597	RF600598	RF100309
Format	Dry Inlay	Wet Inlay	Pressure Sensitive Inlay
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 17.678 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 (FASSON)	S-490 (FASSON)
Liner material	N/A	1.5M Clear PET	40# SCK (FASSON)
Face Sheet	N/A	White PET	55# 2C (FASSON) 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	9-10 mils (229-254 microns)	10-12 mils (254-305 microns)	11-14 mils (280-355 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	12,500 verified
Rev	00	00	00

**Care and handling:** RFID inlays are sensitive to ESD. Observe standard practices to keep environmental 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. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

**Product changes:** Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice.

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