



RFID

# UHF RFID Inlays

## AD-237r6-P



|                            |                                     |
|----------------------------|-------------------------------------|
| <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-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 and Logistics  
 Apparel  
 Home Goods

| PART NUMBER                                 | RF600770  | RF600771  | RF100343  |
|---|---|---|---|
| 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 (76.2 mm)                                  | 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   | 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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