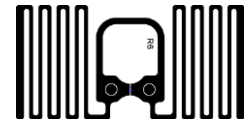




RFID

UHF RFID Inlays

**AD-301r6**

**Dimensions** 30 x 15 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**

Children Accessories  
 Fashion Jewelry and Sunglasses  
 Pharmaceutical/Healthcare

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| PART NUMBER                                 | RF600925  | RF600900  | RF100388  |
|---|---|---|---|
| Format                                      | Dry Inlay                                       | Wet Inlay                                       | Pressure Sensitive Paper Label                  |
| Antenna dimensions (CDxMD)                  | 1.18 x 0.59 in<br>(30 x 15 mm)                  | 1.18 x 0.59 in<br>(30 x 15 mm)                  | 1.18 x 0.59 in<br>(30 x 15 mm)                  |
| Die-cut dimensions                          | N/A   | 1.299 x 0.709 in<br>(33 x 18 mm)                | 1.299 x 0.709 in<br>(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<br>Compliant            | EU Directive 2011/65/EU<br>Compliant            | EU Directive 2011/65/EU<br>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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