

## Excellent Integrated System Limited

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[Avery Dennison RFID  
600526](#)

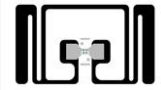
For any questions, you can email us directly:

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RFID

UHF RFID Inlays  
**AD-172u7**



**Dimensions** 0.87 x 0.49 in (22 x 12.5 mm)  
**Operating Frequency** Global (860 – 960 MHz)  
**RF Protocol** ISO-18000-6C, EPC Class 1, Gen 2  
**Chip** NXP UCODE 7  
**EPC Memory** 128 bit  
**TID Memory** 96 bit, pre-encoded for multi-vendor  
 Chip (MCS) based serialization

**Common Applications**

Apparel and Retail  
 Jewelry  
 Pharmaceutical and Healthcare

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 International +1-770-965-0807

| PART NUMBER                                 | 600482   | RF600526   |
|---|--|--|
| Format                                      | Dry Inlay  | Wet Inlay  |
| Antenna dimensions (CDxMD)                  | 0.87 x 0.49 in (22 x 12.5mm)                       | 0.87 x 0.49 in (22 x 12.5mm)                       |
| Die-cut dimensions                          | N/A  | 0.945 x 0.61 (24 x 15.5mm)                         |
| Inlay substrate material                    | PET  | PET  |
| Inlay-to-liner adhesive                     | N/A  | S-490 (FASSON)                                     |
| Liner material                              | N/A  | 1.5 M Clear PET                                    |
| Face Sheet                                  | N/A  | N/A  |
| Standard pitch                              | 0.75 in (19.05 mm)                                 | 0.75 (19.05 mm)                                    |
| Standard web width                          | 1.45 in (36.83mm)                                  | 1.45 in (36.83mm)                                  |
| Total thickness over chip                   | 10-13 mils (254-330.2 microns)                     | 14-17 mils (356-431.8 microns)                     |
| Operating temperature                       | -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               |
| Quality assurance                           | 100% read tested with-of-tolerance<br>inlay marked | 100% read tested with-of-tolerance<br>inlay marked |
| Un-wind direction                           | Inlay-side Out                                     | Inlay-side Out                                     |
| Core size with adaptor insert               | 3 in (76.2mm) w/ foam on core                      | 3 in (76.2mm)                                      |
| Maximum roll outer diameter (not to exceed) | 13 in (330.2mm)                                    | 13 in (330.2mm)                                    |
| Average # of units per roll                 | TBD  | 13,000 good +/- 10%                                |
| Rev   | 00   | 01   |

**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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