



RFID

UHF RFID Inlays

AD-810r6

| | |
|----------------------------|-------------------------------------|
| Dimensions | 16 mm Diameter |
| 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
 Pharmaceutical & Healthcare
 Beauty
 Asset Tracking

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| PART NUMBER | RF600967 | RF601144 |
|---|--|--|
| Format | Dry Inlay | Wet Inlay |
| Antenna dimensions (CDxMD) | 0.63 in Diameter (16 mm Diameter) | 0.63 in Diameter (16 mm Diameter) |
| Die-cut dimensions | N/A | 0.709 in Diameter (18 mm Diameter) |
| Inlay substrate material | White PET | White PET |
| Inlay-to-liner adhesive | N/A | TS8000 (FASSON) |
| Liner material | N/A | 40# SCK |
| Face Sheet | N/A | N/A |
| Standard pitch | 1.0 in (25.4 mm) | 1.0 in (25.4 mm) |
| Standard web width | 1.0 in (25.4 mm) | 1.0 in (25.4 mm) |
| Total thickness over chip | 9 -11 mils (229-279 microns) | 11-13 mils (279-330 microns) |
| Operating temperature | -40 to 185F (-40 to 85C) | -40 to 185F (-40 to 85C) |
| RoHS | EU Directive 2015/863 Compliant | EU Directive 2015/863 Compliant |
| Quality assurance | 100% read tested with out of tolerance inlay(s) being marked | 100% read tested with out of tolerance inlay(s) being marked |
| Un-wind direction | Inlay-side Out | PS Inlay-side Out |
| Core size with adaptor insert | 3 in (76.2 mm) | 3 in (76.2mm) |
| Maximum roll outer diameter (not to exceed) | 13 in (330.2mm) | 10 in (330.2mm) |
| Average # of units per roll | 12,500 good +/- 10% | 15,000 good +/- 10% |
| Rev | 03 | 03 |

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.
<https://rfid.averydennison.com/en/home/general-terms-and-conditions-of-sale.html>

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