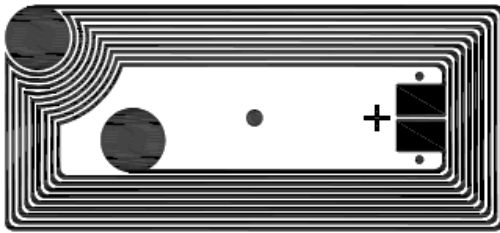


AD-730x



Drawing not to scale

AD-730x RFID Inlays

- Ideal for healthcare/pharmaceutical applications
- ISO 15693 and ISO 18000-3 Mode 1 compliance
- No Line-of-sight or contact required to read/write
- Built in security features



| Electrical Characteristics | |
|-----------------------------|--|
| Standard Integrated Circuit | NXP ICODE SLIx |
| Protocol | ISO 15693 & ISO 18000-3 Mode 1 |
| Operating Frequency | 13.56MHz |
| Operation Mode | Passive (Battery Free) |
| User Memory | 896 bits EEPROM |
| Data Retention | 10 years |
| Memory Endurance | 100,000 R/W cycles |
| Security | <ul style="list-style-type: none"> • Electronic Article Surveillance (EAS) functionality • Application Family Identifier (AFI) functionality • Unique Identifier for each tag • Lock mechanism for each memory block • Lock mechanism for EAS, AFI and Data storage Format Identifier |

| Environmental | |
|--|-----------------------------------|
| Operating Temperature | -40°F to 185°F [-40°C to 85°C] |
| Recommended Storage Temperature and Humidity | 72°F [22.2°C] at 50% RH |
| RoHS | EU Directive 2002/95/EC compliant |
| ESD Immunity | 2kV (HBM) |
| Bend Diameter | >44.5mm (1.75 in) at 2 PLI |
| Inlay Roll Format / Finishing | |
| Antenna Type | Aluminum |
| Un-wind direction | Inlay-side out |
| Core size with adaptor insert | 3 in [76.2 mm] |
| Maximum roll outer diameter [not to exceed] | 13 in [330.2 mm] |

| Part Number | DRY INLAY: 700045 (Narrow) / 700047 (Wide) | PS INLAY: 700046 (Narrow) / 700048 (Wide) |
|----------------------------------|--|---|
| Antenna dimensions, [CDxMD] | 0.551 in [14 mm] x 1.221 in [31 mm] / 1.221 in [31 mm] x 0.551 in [14mm] | |
| Die-cut dimensions: | 0.709 in [18 mm] x 1.417 in [36 mm] | |
| Inlay-to-liner adhesive | S-490 (Fasson®) | |
| Liner material | 40# SCK (Fasson®) | |
| Standard pitch | 1.625 in [41.287 mm] / 1 in [25.4 mm] | |
| Standard web widths | 1 in [25.4 mm] / 1.875 in [47.63 mm] | |
| Inlay substrate material | PET | |
| Quality assurance | 100% read tested with out-of-tolerance inlay marked | 100% edit and replace |
| Average number of units per roll | 5000 | 5000 |
| Rev | 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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