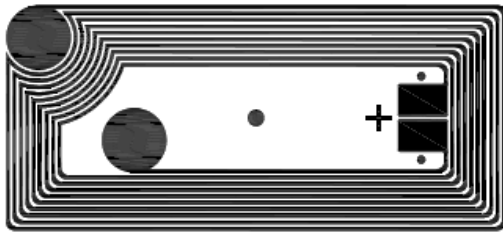


AD-730



Drawing not to scale

AD-730 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 SLI
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	700027 / 700029	700028 / 700030
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	01	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.

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