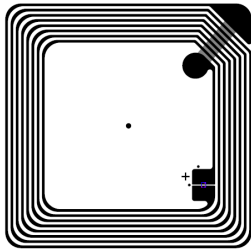


AD-709x



Drawing not to scale

AD-709x RFID Inlays

- Ideal for media asset management tracking in libraries
- 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: 700037	PS INLAY: 700038
Antenna dimensions, [CDxMD]	1.85 in [47 mm] x 1.85 in [47 mm]	
Die-cut dimensions	2 in [50.8 mm] x 2 in [50.8 mm]	
Inlay-to-liner adhesive	S-490 (Fasson®)	
Liner material	40# SCK (Fasson®)	
Standard pitch	2.125 in [54 mm]	
Standard web widths	2.125 in [54 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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