



AD-814 RFID Inlays


- Small form factor ideal for item-level tagging
- Excellent edge-on reading performance
- Designed for plastic pharmaceutical bottles arranged in close proximity (multiple bottles stacked in a case)
- Read range performance enhanced when adjacent to metal (in certain applications)



RF Features	
Recommended frequency range	Global (860 - 960MHz)
Mode of operation	Passive (battery free)

Protocol, Memory and Custom Commands	
Protocol	ISO/IEC 18000-6C EPCglobal C1G2
Memory	96 bit EPC Number

Inlay Roll Format/Finishing

Un-wind direction	
Core size with adaptor insert	3 in [76.2 mm]
Maximum roll outer diameter (not to exceed)	13 in [330 mm]

Environmental Specifications

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	Designed to comply with EU Directive 2002/95/EC

Dry Inlay Specifications	Part Number 600195
Antenna dimensions (CD x MD)	0.866 in x 0.866 in [22.0 mm] x [22.0 mm]
Standard pitch	1.5 in [38.1 mm]
Standard web width	1.596 in [40.53 mm]
Inlay substrate material	Heat-treated PET
Thickness over chip (typical)	11 mils [279 microns]
Shelf life	2 years when stored at 72°F at 50%RH
Quality assurance	100% read tested with out-of-tolerance inlay marked
Average number of units per roll	10,000

Pressure-Sensitive Inlay Specifications	Part Number 600196
Die-cut dimensions (CD x MD)	0.991 in x 0.991 in [25.18 mm] x [25.18 mm]
Standard pitch	1.5 in [38.1 mm]
Standard web width	1.25 in [31.75 mm]
Inlay-to-liner adhesive	E-828 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip (typical)	14 mils [356 microns]
Shelf life	1 year when stored at 72°F at 50% RH
Quality assurance	100% edit and replace
Average number of units per roll	7,500

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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For the most recent information on Avery Dennison products, visit www.rfid.averydennison.com.

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