



AD-833 RFID Inlays

- Designed to comply with IATA RP1740c
- Orientation Insensitive allows for reading at any angle (no dead spots)
- Write range approaches reading range



RF Features

Optimized frequency range	Global (860 - 960MHz)
Mode of operation	Passive (battery free)

Protocol and Memory

Protocol	ISO/IEC 18000-6C EPCglobal C1G2
Memory	96 bit EPC number

Inlay Roll Format/Finishing

Un-wind direction



Core size with adaptor insert	6 in [152 mm]
Maximum roll outer diameter (not to exceed)	13 in [330 mm]

Environmental Specifications

Operating temperature	-40°F to +149°F -40°C to +65°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 600183

Antenna dimensions (CD x MD)	1.496 in x 3.682 in [38 mm] x [93.51 mm]
Standard pitch	4.5 in [114.3 mm]
Standard web width	1.89 in [48.01 mm]
Inlay substrate material	PET
Thickness over chip (typical)	11.5 mils [292 µm]
Shelf life	2 years when stored at 72°F at 50%RH
Quality assurance	100% read tested with out-of-tolerance inlay marked

Pressure-Sensitive Inlay Specifications

Part Number 600184

Die-cut dimensions (CD x MD)	1.693 in x 3.858 in [43 mm] x [98 mm]
Standard pitch	4.5 in [114.3 mm]
Standard web width	1.89 in [48.01 mm]
Inlay-to-liner adhesive	S-490 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip (typical)	14 mils [356 µm]
Shelf life	1 year when stored at 72°F at 50% RH
Quality assurance	100% edit and replace

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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