



AD-223 RFID Inlays

- Best read range performance in the AD-22x family
- Write range approaches read 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
EPC memory allocation	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 600192

Antenna dimensions (CD x MD)	3.741 in x .321 in [95.03 mm] x [8.15 mm]
Standard pitch	0.625 in [15.88 mm]
Standard web width	4.75 in [120.65 mm] 600192 3.875 in [98.43 mm] 600194
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
Avg units per roll	20,000

Pressure-Sensitive Inlay Specifications

Part Number 600193

Die-cut dimensions (CD x MD)	3.885 in x .44 in [98.68 mm] x [11.18 mm]
Standard pitch	0.625 in [15.88 mm]
Standard web width	4.125 in [104.78 mm]
Inlay-to-liner adhesive	S490 (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
Avg units per roll	20,000

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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