



Aviation



Wide-band



Carton & Pallet

AD-840 RFID Inlays

- Powerful read range performance in rough industrial automated handling applications such as aviation baggage handling
- Large area antenna will perform even if punctured or otherwise damaged
- Offers 240 bit EPC memory standard with an additional 512 bit optional



RF Features

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

Protocol, Memory and Custom Commands

Protocol	ISO/IEC 18000-6C EPCglobal C1G2
Memory	240 bit EPC number (512 bit user memory option)
Custom Commands	EAS custom command Read protect custom command Calibrate custom command

Inlay Roll Format/Finishing

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 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 600176

Antenna dimensions (CD x MD)	1.496 in x 3.701 in [38.0 mm] x [94.0 mm]
Standard pitch	5.0 in [127 mm]
Standard web width	2.5 in [63.5 mm]
Inlay substrate material	Heat-treated PET
Thickness over chip (typical)	11.02 mils [280 microns]
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 600177

Die-cut dimensions (CD x MD)	1.621 in x 3.826 in [41.18 mm] x [97.18 mm]
Standard pitch	5.0 in [127 mm]
Standard web width	1.871 in [47.53 mm]
Inlay-to-liner adhesive	S-490 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip (typical)	13.52 mils [343 microns]
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.

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