

AD-843

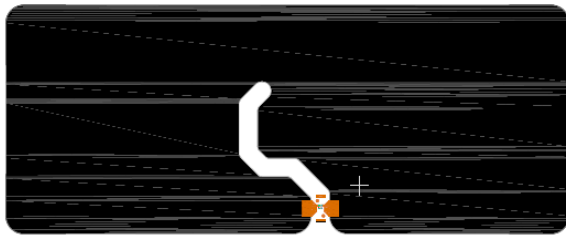


AD-843 RFID Inlays

- Most powerful read range performer in the portfolio for many application scenarios.
- Product meets read range demands for many difficult dielectrics (metal & absorptive surfaces) for pallet & case level tagging
- Durable antenna construction reduces risk of antenna disconnect due to damage by virtue of the broad antenna structure*
- A die-cut antenna structure inlay that can be trimmed down to fit smaller form factors



* Antenna Image (Sloop) is a trademark of Avery Dennison Corporation



Drawing not to scale

Electrical Characteristics		
Operating Frequency	Global (860 - 960MHz)	
Integrated Circuit [IC] – Manufacturer & IC Name	Impinj Monza 3	
RF Communications Protocol	ISO/IEC 18000-6C & EPCglobal Class 1 Gen 2	
Memory	96 bits EPC	
Environmental		
Operating Temperature	-40°F to 185°F [-40°C to 85°C]	
RoHS	EU Directive 2002/95/EC compliant	
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]	12 in [305 mm]	
Part Number	600206	600207
Antenna dimensions, [CDxMD]	3.701 in [94mm] x 1.496 in [38 mm]	
Die-cut dimensions		3.826 in [97.18 mm] x 1.621 in [41.18 mm]
Inlay-to-liner adhesive		S-490 (Fasson®)
Liner material		40# SCK (Fasson®)
Total thickness over chip [typical]	11 mils [279 microns]	14 mils [356 microns]
Standard pitch	1.75 in [44.456 mm]	
Standard web widths	5 in [127mm]	4.076 in [103.53 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	5,000	
Rev	03	01

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.

Trademark Statement Avery Dennison, S490 and Fasson® are trademarks of Avery Dennison Corporation. For the most recent information on Avery Dennison products, visit www.rfid.averydennison.com.

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