AD Trap M850

Perfect for high-performance item-level identification for space-constrained applications

AD Trap M850 inlays from Avery Dennison Smartrac are perfect for high-performance item-level identification for space-constrained applications. Their compact design and reliable functionality make them ideally suited for pharmaceutical, including liquid healthcare products such as eye drops and mouthwash, delivering strong performance in near-field environments.

Key Features:

Compact Design: Small form factor ideal for space-constrained applications.

High Performance: Reliable functionality and outstanding read performance in near-field environments.

Challenging Material Compatibility: Excellent performance on high-dielectric materials.

Impinj M850 IC:
96-bit EPC memory
32-bit user memory
96-bit unique factory-locked TID number
48-bit unique serial number (factory-encoded into TID)

Enhanced Readability: Improved IC readability supports reliable reading of small tags at high volume and speed for global IoT deployments.

Quality & Environmental Compliance: Compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management standards.
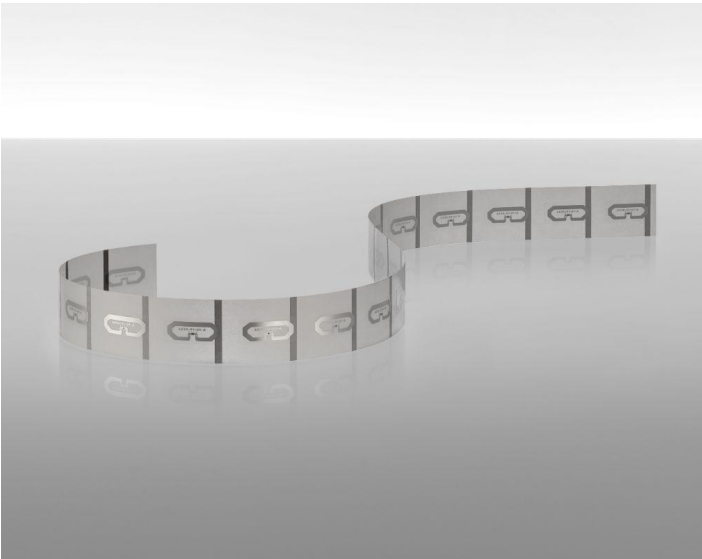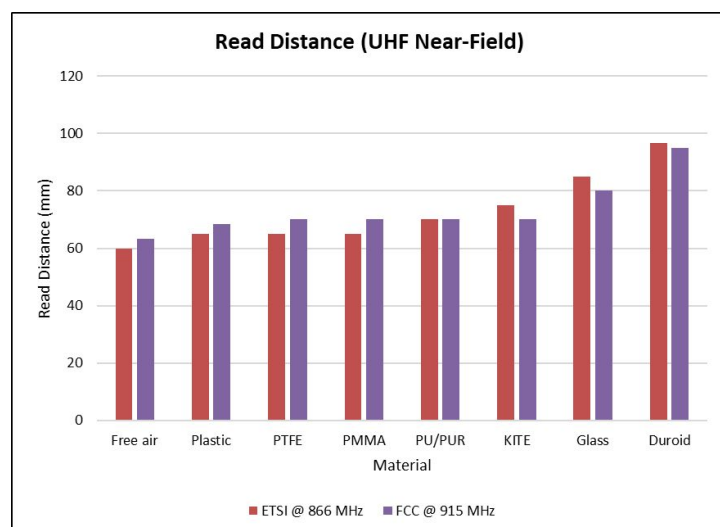
Overview

Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	Impinj M850 / Direct Chip Attach
Antenna Dimensions	8 x 22 mm / 0.32 x 0.87 in
International Standard	ISO 18000-63, EPC Class 1 Gen 2
Industry Segments	Healthcare
Applications	Item Level Inventory Accuracy Brand Protection
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

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Technical features

Chip / Chip Attachment Technology	Impinj M850 / Direct Chip Attach
EPC and User Memory	96-bit EPC and 32-bit UM
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-613498
Delivery Format	RIF Wet inlay
Die-Cut Dimensions	11 x 25 mm / 0.43 x 0.98 in
Die-Cut Corner Radius	-
Inlay Substrate	PET
Face Sheet	Clear PET
Adhesive	RA-5
Total Thickness (over chip and release liner)	1.81 mils / 300 microns
Standard Pitch	32 mm / 1.26 in
Web Width	27 mm / 1.06 in
Core Size	76 mm / 3 in
Quantity / Reel	7,100 pcs/reel
Size of Roll	Max OD 12"
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
On-Metal	Non metal
ARC Certificates	-

*Other product codes available upon request.

Read Distance (UHF Near-Field)

All graphs are indicative: performance in real life applications may vary.

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COMPLIANCE

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