AD Stealth M850

Overview

Frequency Band
UHF 860 – 960 MHz

Chip
Impinj M850

IC Attachment Technology
Direct Chip Attach

Antenna Dimensions
50 x 14.5 mm / 1.97 x 0.57 in

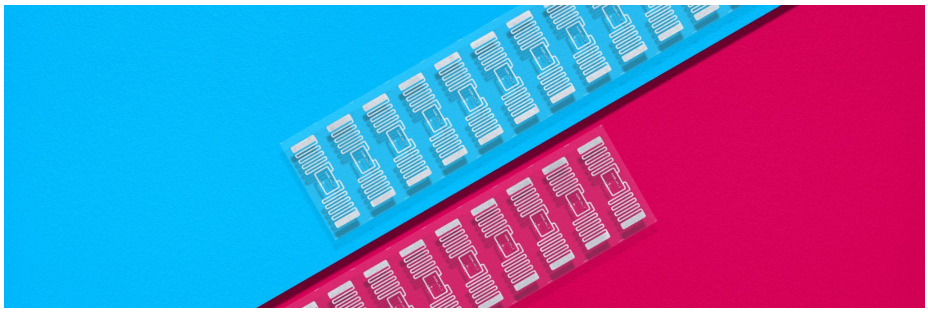
International Standard
ISO 18000-63, EPC Class 1 Gen 2

Primary Industry Segment
Apparel

Secondary Industry Segments
General Retail
Beauty and Personal Care
Automotive
Logistics

RoHS
EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH
Regulation (EC) No 1907/2006



Ideal for small item-level tagging

Avery Dennison Smartrac has refreshed its legacy AD Web design family to AD Stealth, a new compact design featuring the Impinj M800 series IC.

AD Stealth M850 inlays and tags are optimized for outstanding read performance in the apparel and general retail categories. The slim, 50 x 14.5mm design is also a great fit for tagging item level merchandise within the beauty and personal care segments. In addition, the versatile design provides strong performance across a broad range of materials and products suited for the logistics and automotive sector.

Due to its condensed, 53 x 17.5mm form factor, AD Stealth M850 inlays and tags will accommodate a wide variety of finished media options including pressure sensitive labels, hangtags and price tickets.

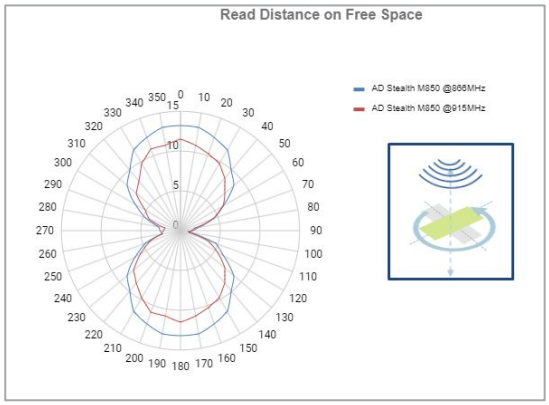
Featuring the impinj M850 IC, AD Stealth M850 is equipped with 96-bit of EPC memory and 32-bit of user memory and a 96-bit unique factory locked TID number. A 48-bit unique serial number is factory-encoded into the TID.

AD Stealth M850 inlays comply with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management to ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the Beauty segment. They are manufactured to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University, which awarded Avery Dennison its first ever ARC accreditation for overall quality.

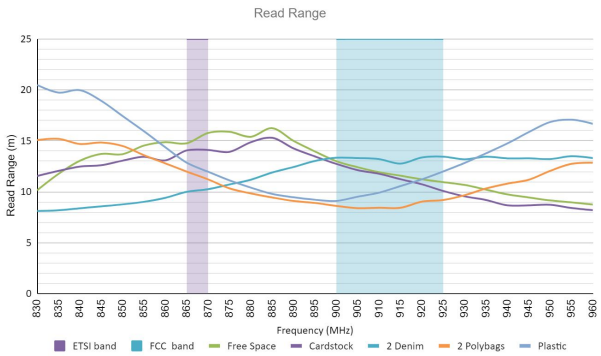
Technical features

Chip	Impinj M850		
IC Attachment Technology	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-610624	IL-610625	IL-610626
Delivery Format	Dry inlay	Wet Inlay	Label
Die-Cut Dimension	-	53 x 17.5 mm / 2.08 x 0.68 in	53 x 17.5 mm / 2.08 x 0.68 in
Inlay Substrate	PET	PET	PET
Face Sheet	-	-	Mid-gloss paper
Standard Pitch	22.23 mm / 0.875 in	22.23 mm / 0.875 in	22.23 mm / 0.875 in
Web Width	60 mm / 2.36 in	60 mm / 2.36 in	60 mm / 2.36 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	15,375 pcs/reel TBD pcs/box	9,777 pcs/reel TBD pcs/box	2,713 pcs/reel TBD pcs/box
Size of Roll	MAX OD: 393.7 mm /15.5 in	MAX OD: 330.2 mm / 13 in	MAX OD: 203.2 mm / 8 in
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
Certificates	ARC Specification Guide		

Orientation sensitivity



Read range



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

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