

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

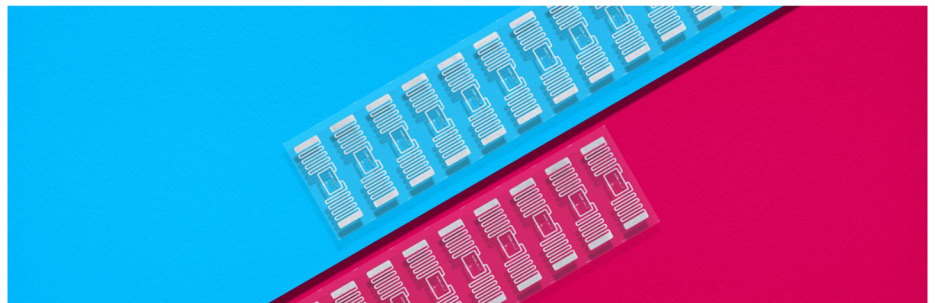
General Retail
Beauty and Personal Care
Automotive
Logistics

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.

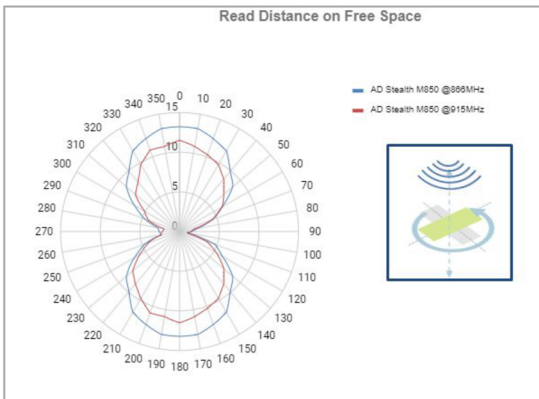
Featuring the impinj M850 IC, AD Stealth M850 is equipped with 96-bit of EPC memory and 32-bit of user memory and a 96-bit unique factory locked TID number. A 48-bit unique serial number is factory-encoded into the TID.

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.

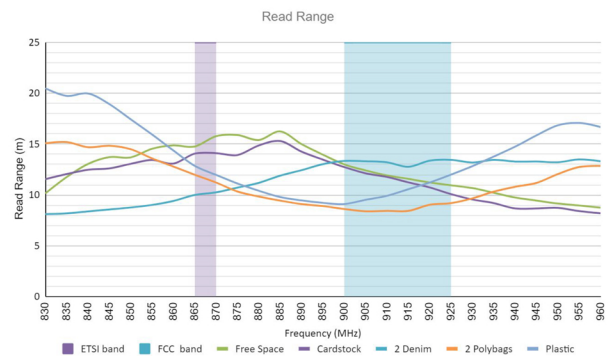
Technical features

| | | | |
|--------------------------|---|-------------------------------|-------------------------------|
| 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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Warranty: Please refer to Avery Dennison standard terms and conditions: rfid.averydennison.com/termsandconditions

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and 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. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. 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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