

AD-850 M4QT

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza 4QT

Antenna Dimensions

Ø 10 mm / 0.4 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

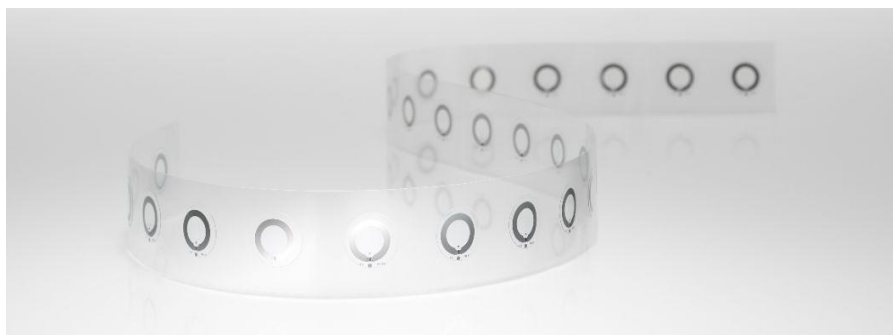
Healthcare
Automotive

Applications

Asset tracking
Pharmaceutical and Healthcare

RoHS

EU Directive 2011/65/EU and
2015/863 Compliant



Fulfilling specific demands in healthcare and beauty

AD-850m4QT inlays from Avery Dennison are a great fit for tagging glass vials and other particularly small medical and beauty (cosmetics or perfume) packages.

The globally tuned inlay can achieve up to 1.0 meter read distance in FCC (920-928 MHz) when applied to liquid filled vials made of plastic or glass.

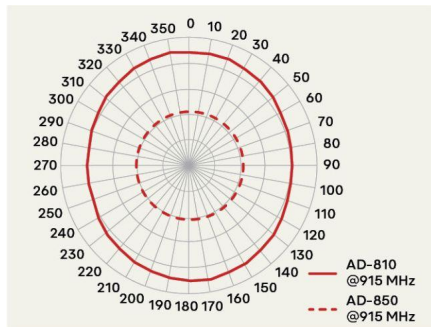
The antenna size of AD-850m4QT is the smallest size offered in Avery Dennison's Gen2 UHF RFID compliant UHF inlay portfolio, measuring 10.3mm in diameter and recommended for reading tagged items in near-field. The Impinj Monza 4QT chip enables users to maintain a public and private data profile for confidential data storage and consumer privacy, coupled with 512-bit of user memory. AD-850m4QT inlays are available in Dry Inlay and Wet Inlay delivery formats.

Like all RFID products from Avery Dennison, AD-850m4QT inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

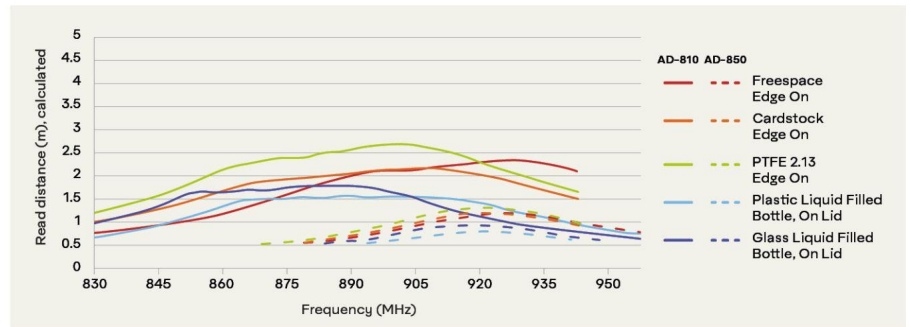
Technical features

| | | |
|-----------------------|------------------------------------|--------------------------------|
| Chip | Impinj Monza 4QT | |
| EPC and User Memory | 128-bit and 512-bit | |
| TID Memory | 48-bit | |
| Product Code | RF601090 / IL-603813 | RF601091 / IL-603814 |
| Delivery Format | Dry inlay | Wet inlay |
| Die-Cut Dimension | - | Ø 13 mm / 0.53 in |
| Inlay Substrate | PET | |
| Total Thickness | 4 - 6 mils / 97 - 147 microns | 5 - 7 mils / 135 - 185 microns |
| Standard Pitch | 23.81 mm / 0.9375 in | |
| Web Width | 23.81 mm / 0.9375 in | |
| Core Size | 76 mm / 3 in | |
| Quantity / Reel | 15863 pcs / reel | 12600 pcs / reel |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | |
| On-Metal | Non metal | |

Orientation sensitivity



Read range



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

Contact information

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Connect with us on:



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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.

