

AD Miniweb M830

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj M830

IC Attachment Technology

Direct Chip Attach

Antenna Dimensions

42 x 16 mm / 1.654 x 0.630 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

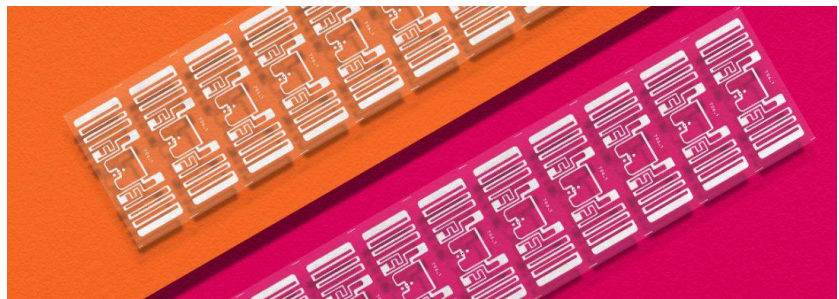
Apparel
Logistics
Healthcare

Applications

Brand Protection
Supply Chain Management
Home Essentials

RoHS

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



Compact size, exceptional performance

AD Miniweb M830 inlays from Avery Dennison Smartrac are designed for general retail, apparel and industrial applications. Offering a compact size and excellent performance, this inlay is ideal for tagging a wide range of materials.

Featuring the impinj M830 IC, AD Miniweb is equipped with 128-bit of EPC memory and 96-bit unique factory locked TID number. A 48-bit unique serial number is factory-encoded into the TID. The improved readability of the new IC offers reliable reading of small tags at high volume and speed which supports the global IoT deployments.

AD Miniweb carries a 42 x 16mm (1.654x.0630in) antenna footprint and is offered in dry inlay, wet inlay and pressure sensitive label delivery formats.

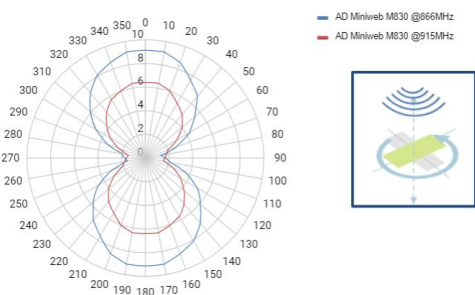
Like all RFID products from Avery Dennison, AD Miniweb M830 inlays are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment. The RFID Lab at Auburn University has awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

Technical features

| | | | |
|--|---|-----------------------------------|----------------------------------|
| Chip / IC Attachment Technology | Impinj M830 / Direct Chip Attach | | |
| EPC and User Memory | 128-bit EPC | | |
| TID Memory | 96-bit / 48-bit unique serial number | | |
| Product Code | IL-610313 | IL-610315 | IL-610316 |
| Delivery Format | Dry inlay | Wet inlay | Label |
| Die-Cut Dimension | - | 45 x 18 mm / 1.772 x 0.709 in | 45 x 18 mm / 1.772 x 0.709 in |
| Inlay Substrate | PET | PET | PET |
| Face Sheet | - | - | Mid-gloss paper |
| Standard Pitch | 20 mm / 0.787 in | 20 mm / 0.787 in | 20 mm / 0.787 in |
| Web Width | 48 mm / 1.890 in | 48 mm / 1.890 in | 48 mm / 1.890 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel 20,000 pcs/box | 20,000 pcs/reel 40,000 pcs/box | 5,000 pcs/reel 10,000 pcs/box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | | |
| On-Metal | Non metal | | |
| Certificate | ARC Specification Guide | | |

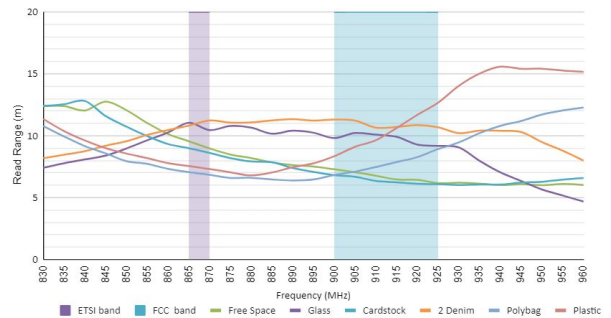
Orientation Sensitivity

Read Distance on Free Space



Read Range

Read Range



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

Contact information

rfid.averydennison.com/contact
 +1-678-617-2359

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.

