

# AD Quest M830 NEL

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

Impinj M830

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**IC Attachment Technology**

Strap Attach

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**Antenna Dimensions**

9.5 x 45 mm / 0.37 x 1.77 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel

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**Applications**

Inventory and Logistics  
Supply Chain Management  
Retail

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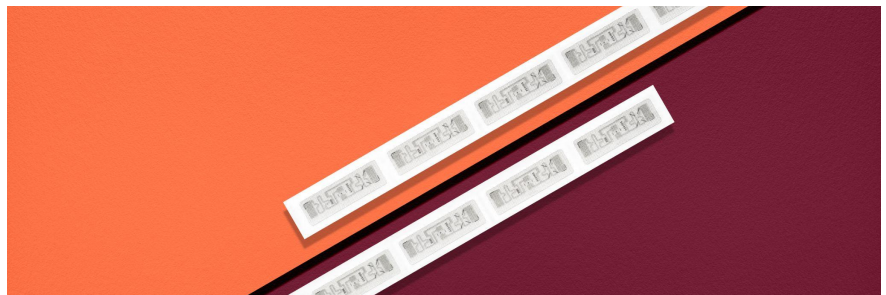
**RoHS**

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

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**REACH**

Regulation (EC) No. 1907/2006



## Narrow design for excellent performance on woven labels

Avery Dennison's AD Quest M830 NEL inlays are designed to deliver optimal performance for apparel retailers. Their narrow design ensures compatibility with a wide variety of woven label sizes. By utilizing an RFID inlay on a PFL substrate, retailers are able to embed these inlays directly into their branded woven labels. This provides an effective solution that discourages removal from garments.

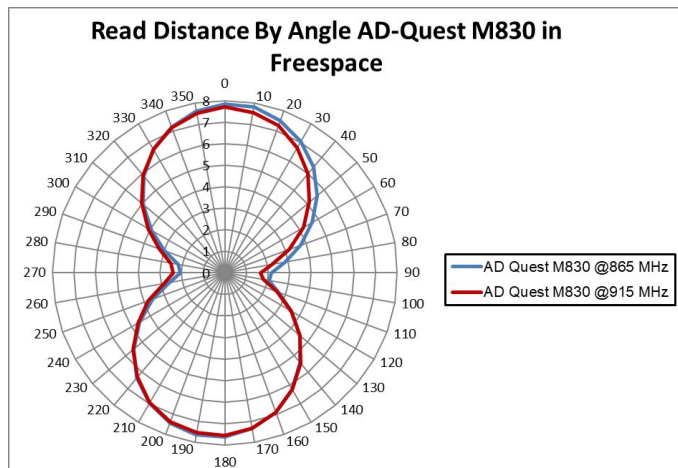
AD Quest M830 NEL inlays feature 128-bit of EPC memory and 96-bit unique factory locked TID number. A 48-bit unique serial number is factory encoded into the TID. Delivery format is wet inlay, die-cut on a smaller footprint of 15.3 x 50 mm / 0.602 x 1.969 in.

Like all RFID products from Avery Dennison, AD Quest M830 NEL 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.

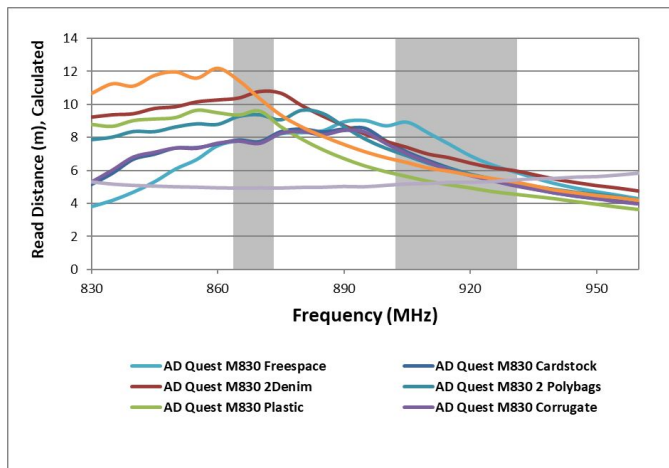
## Technical features

Chip / IC Attachment Technology	Impinj M830 / Strap Attach
EPC and User Memory	128-bit and n/a
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-612664
Delivery Format	Wet
Die-Cut Dimension	15.3 x 50 mm / 0.602 x 1.969 in
Inlay Substrate	PFL
Face Sheet	-
Total Thickness (over chip & release liner)	13.8 - 15.8 mils / 350.5 - 401.3 microns
Standard Pitch	57.15 mm / 2.25 in
Web Width	24 mm / 0.945 in
Core Size	76 mm / 3 in
Quantity / Reel	TBD
Size of Roll	MAX OD: 8"
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](http://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.