

AD Dogbone® M830

Overview

Frequency Band

UHF 860 - 960 MHz

Chip Attachment Technology

Direct Chip Attach

Chip

Impinj M830

Antenna Dimensions

94 x 24 mm / 3.70 x 0.95 in

International Standard

ISO 18000-63 EPC class 1 Gen 2

Industry Segments

Industry
Logistics
Automotive
Sports and events

Applications

Inventory and Logistics
Supply Chain Management
Sports Timing

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Excellent global performance on difficult-to-tag materials

AD Dogbone® M830 inlays from Avery Dennison are designed for global supply chain, industrial, RTI, and sports timing applications. They excel through superior performance in demanding environments and on difficult-to-tag materials, due to their good tolerance against the detuning effect of high dielectric materials.

AD Dogbone M830 inlays feature 128-bit of EPC memory and a 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.

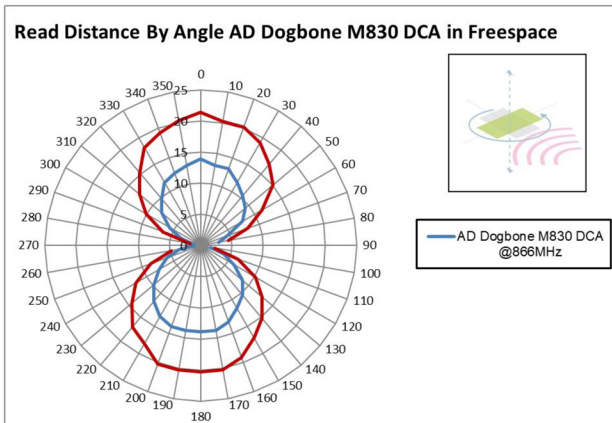
Dogbone® M830 inlays have a size of 97 x 27 mm, which is optimized for 100 mm / 3.94 inch wide converted labels, and are available in wet +, and label delivery formats.

Like all RFID products from Avery Dennison, AD Dogbone® M830 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.

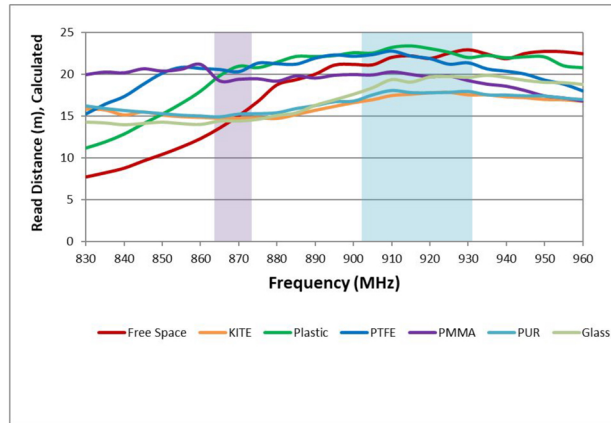
Technical features

Chip	Impinj M830	
Chip attachment technology	Direct chip attach (DCA)	
EPC and User Memory	128-bit EPC	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	IL-611309	IL-611310
Delivery Format	Wet Inlay +	Label
Die-Cut Dimension	97 x 27 mm / 3.82 x 1.06 in	97 x 27 mm / 3.82 x 1.06 in
Inlay Substrate	PET	PET
Face Sheet	Clear PET 12	Opaque Matt Paper 71
Total Thickness	118 µm	173 µm
Standard Pitch	30 mm / 1.18 in	30 mm / 1.18 in
Web Width	100 mm / 3.94 in	100 mm / 3.94 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	5,000 pcs/reel TBD pcs/box	5,000 pcs/reel TBD pcs/box
Operating Temperature	- 40 °C to 85 °C / -40 °F to 185 °F	

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.

atlasRFIDstore
 (205) 383-2244
 sales@atlasRFIDstore.com
www.atlasRFIDstore.com