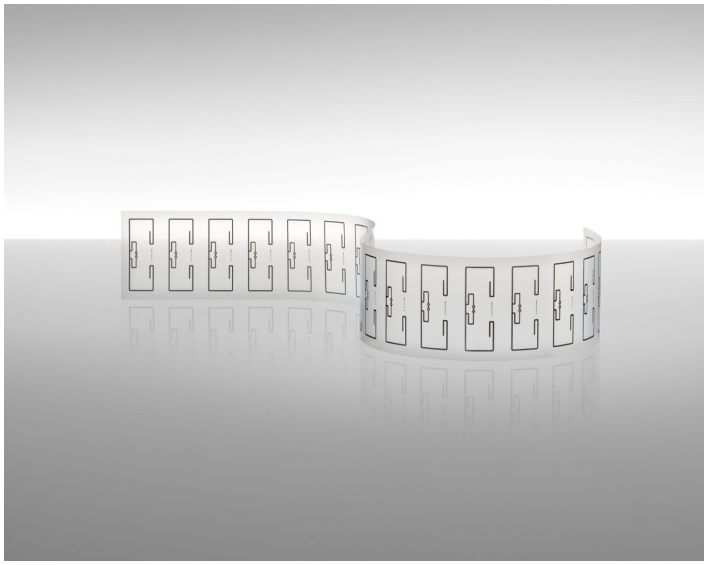
AD Enhance M830



RFID Inlay Developed for Superior Omni-Directional Performance

Meet the AD Enhance M830: built on advanced Impinj IC technology and engineered for seamless global deployment. Certified to Auburn University's Spec H2 for overhead reading (OHR), this inlay delivers powerful omnidirectional performance across apparel and home essentials. Even in high-density retail environments, the AD Enhance M830 ensures rapid, pinpoint data capture on consumer goods—helping you scale inventory tracking without missing a beat.

Featuring the Impinj M830 IC, this inlay is equipped with 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. AD Enhance M830 carries a 58 x 20mm (2.28 x 0.79 in) antenna footprint and is offered in dry and pressure sensitive label format.

Like all RFID products from Avery Dennison, AD Enhance 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.

Overview

Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	Impinj M830 / Direct Chip Attach
Antenna Dimensions	58 x 20 mm / 2.28 x 0.79 in
International Standard	ISO/IEC 18000-63 Type C
Industry Segments	Apparel Home Goods
Applications	Supply Chain Management Inventory and Logistics
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

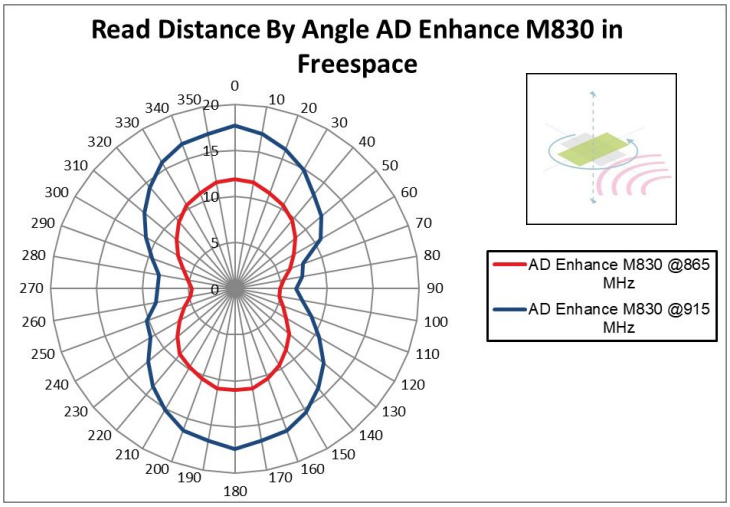
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Technical features

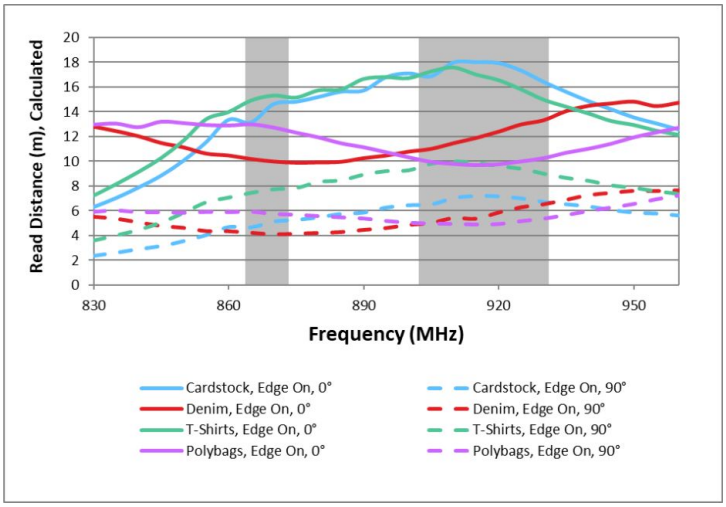
Chip / Chip Attachment Technology	Impinj M830 / Direct Chip Attach	
EPC and User Memory	128-bit EPC and 0-bit User Memory	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	IL-615449	IL-615450
Delivery Format	Dry Inlay	Label
Die-Cut Dimensions	-	61 x 23 mm / 2.40 x 0.91 in
Die-Cut Corner Radius	-	1 mm / 0.039 in
Inlay Substrate	PET Clear	PET Clear
Top Layer Group	-	TMBL-100091
Top Layer Description	-	Paper 70um Midgloss
Adhesive Group	-	ADH-100005
Functional Adhesive Description	-	Water borne acrylic PSA. Good adhesion to all generally used substrates such as paper, board and plastics
Standard Pitch	31.75 mm / 1.25 in	31.75 mm / 1.25 in
Web Width	70.55 mm /2.78 in	70.55 mm /2.78 in
Core Size	76 mm / 3 in	76 mm / 3 in
Size of Roll	MAX OD: 13”	MAX OD: 8”
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	
On-Metal	Non metal	
Certificate	ARC Specification Guide	

*Other product codes available upon request.

Orientation sensitivity



Read range



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

Find more label solutions at
rfid.averydennison.com

#MakingPossible

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