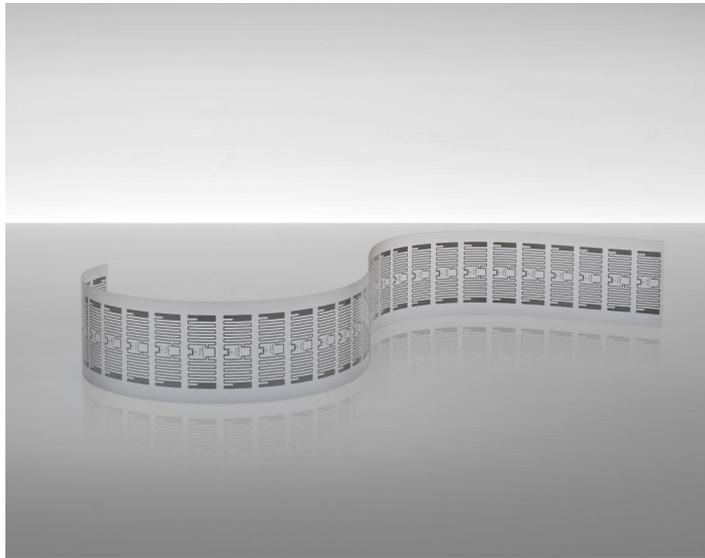


AD Miniweb M830 ETSI



Compact, high performance RFID inlay for item-level tagging

AD Miniweb M830 ETSI inlays are designed for general retail and apparel applications. Offering a compact size and excellent performance, this inlay is designed for a broad range of applications, including inventory and logistics, electronics, sporting goods, home essentials, and general merchandise. Providing excellent performance in the ETSI frequency band, this inlay carries an antenna size of 42 x 16 mm and a PET antenna carrier.

AD Miniweb ETSI M830 was developed as the next generation replacement of AD Miniweb M730. The design offers improved global performance over its predecessor, achieving certification of challenging University of Auburn (ARC) specs, "I" and "Q". The popular Apparel design is an excellent choice for retailers who will be tagging merchandise in the ETSI region and require consistently high read rates with a small label footprint. AD Miniweb ETSI M830 is also a great fit for tagging products in the Home Goods category, and particularly on materials such as glass and plastic.

Overview

Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	Impinj M830
Antenna Dimensions	42 x 16 mm / 1.70 x 0.60 in
International Standard	ISO 18000-63, EPC Class 1 Gen 2 (Gen2X enhanced)
Industry Segments	Retail Apparel
Applications	Inventory and logistics Electronics Sporting goods, Home essentials General merchandise
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

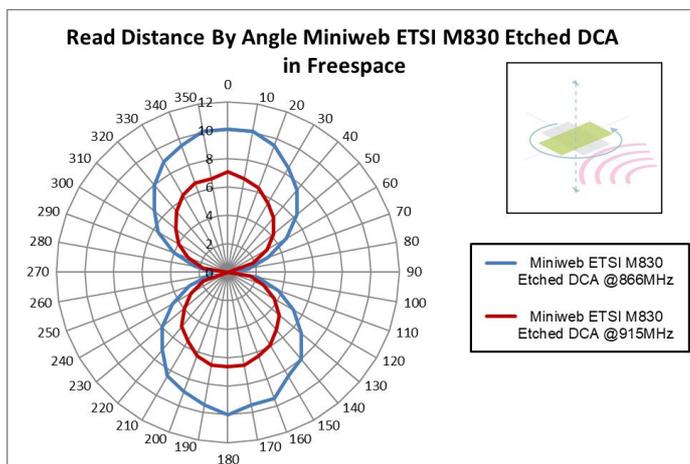
Like all RFID products from Avery Dennison, AD Miniweb M830 ETSI inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

Technical features

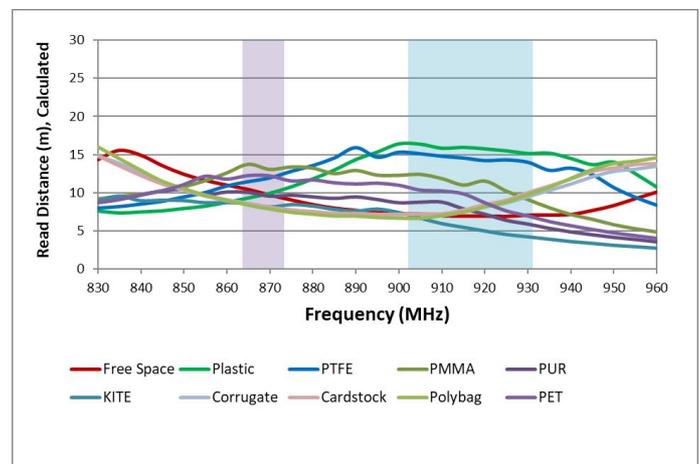
Chip / Chip Attachment Technology	Impinj M830 / Direct chip attach (DCA)		
EPC and User Memory	128-bit EPC		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	IL-612516	IL-612532	IL-612534
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimensions	N/A	45 x 18 mm / 1.77 x 0.71 in	5 x 18 mm / 1.77 x 0.71 in
Die-Cut Corner Radius	-	-	-
Inlay Substrate	PET Clear	PET Clear	PET Clear
Face Sheet	-	-	Paper Mid Gloss
Adhesive	-	RA-5	RA-5
Total Thickness (over chip and release liner)	7.20 mils / 183 microns	7.99 mils / 203 microns	11.49 mils / 292 microns
Standard Pitch	20 mm / 0.78 in	20 mm / 0.78 in	20 mm / 0.78 in
Web Width	48 mm / 1.89 in	48 mm / 1.89 in	48 mm / 1.89 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10,000 pcs/reel	20,000 pcs/reel	5,000 pcs/reel
Size of Roll	Max OD 15.5"	Max OD 13"	Max OD 8"
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
ARC Certificates	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



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