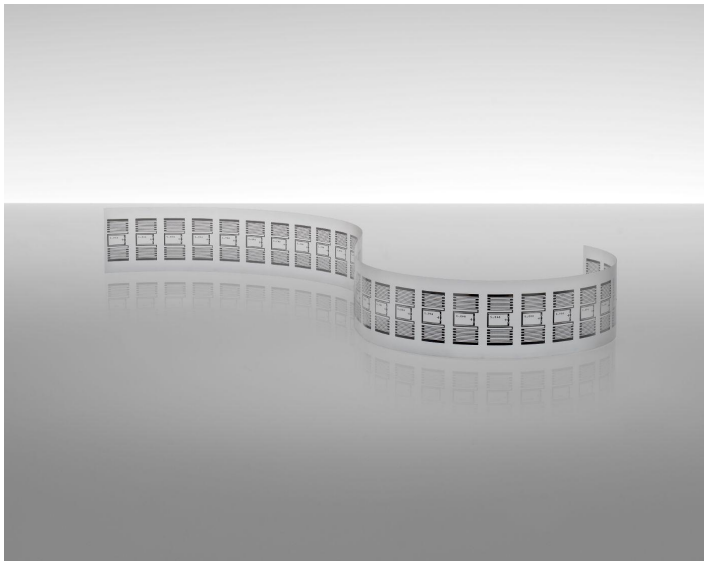
AD Dazzle M830



High-Performance RFID Tracking for Cosmetics and Small Retail Essentials

Engineered for small-footprint items like cosmetics, jewelry, and fashion accessories, Avery Dennison's AD Dazzle M830 UHF RFID inlays deliver global, high-performance tracking. By combining a compact design with exceptional readability, the AD Dazzle M830 drives total supply chain agility, pinpoint inventory accuracy, and seamless omnichannel visibility.

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. 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 Dazzle M830 carries a 30 x 15mm (1.18 x 0.59 in) antenna footprint and is offered in dry, wet and pressure sensitive label formats.

Like all RFID products from Avery Dennison, AD Dazzle 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	30 x 15 mm / 1.18 x 0.59 in
International Standard	ISO/IEC 18000-63 Type C
Industry Segments	Beauty General Retail Apparel
Applications	Supply Chain Management Inventory and Logistics Brand Protection
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

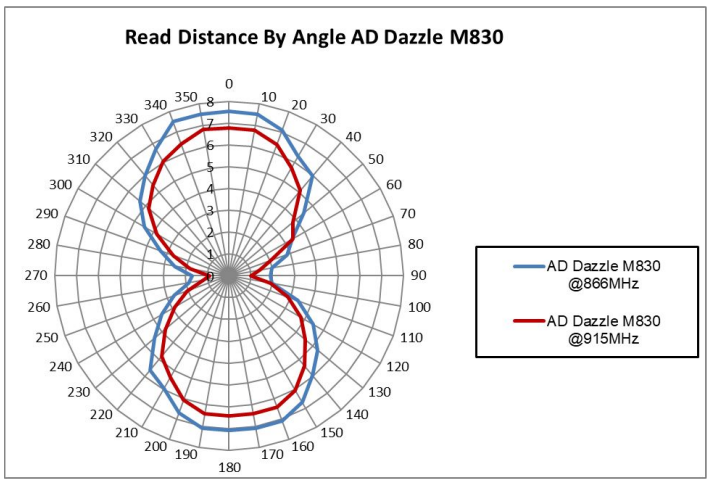
AVERY DENNISON

Technical features

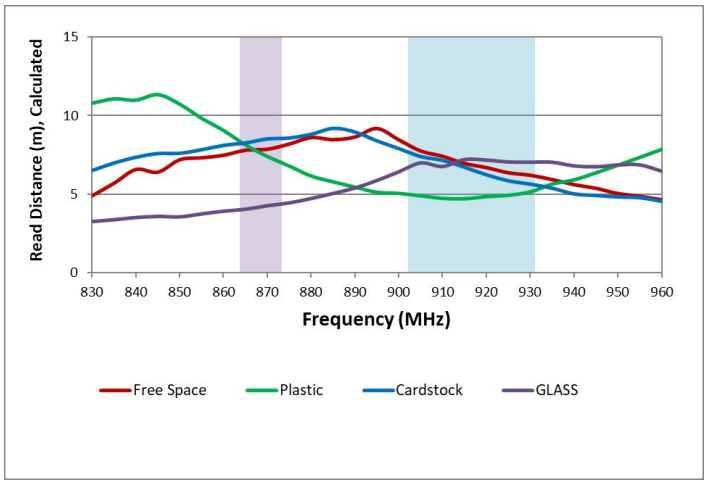
Chip / Chip Attachment Technology	Impinj M830 / Direct Chip Attach		
EPC and User Memory	128-bit EPC and 0-bit User Memory		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	IL-615405	IL-615406	IL-615408
Delivery Format	Dry Inlay	Wet	Label
Die-Cut Dimensions	-	33 x 18 mm / 1.30 x 0.71 in	33 x 18 mm / 1.30 x 0.71 in
Die-Cut Corner Radius	-	1 mm / 0.039 in	1 mm / 0.039 in
Inlay Substrate	PET Clear	PET Clear	PET Clear
Top Layer Group	-	-	TMBL-100091
Top Layer Description	-	-	Paper 70um Midgloss
Adhesive Group	-	ADH-100105	ADH-100105
Functional Adhesive Description	-	Solvent Acrylic PSA. Excellent initial and final adhesion on many packaging materials	Solvent Acrylic PSA. Excellent initial and final adhesion on many packaging materials
Standard Pitch	20 mm / 0.79 in	20 mm / 0.79 in	20 mm / 0.79 in
Web Width	36 mm / 1.42 in	36 mm / 1.42 in	36 mm / 1.42 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Size of Roll	MAX OD: 13”	MAX OD: 13”	MAX OD: 8”
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		

*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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