

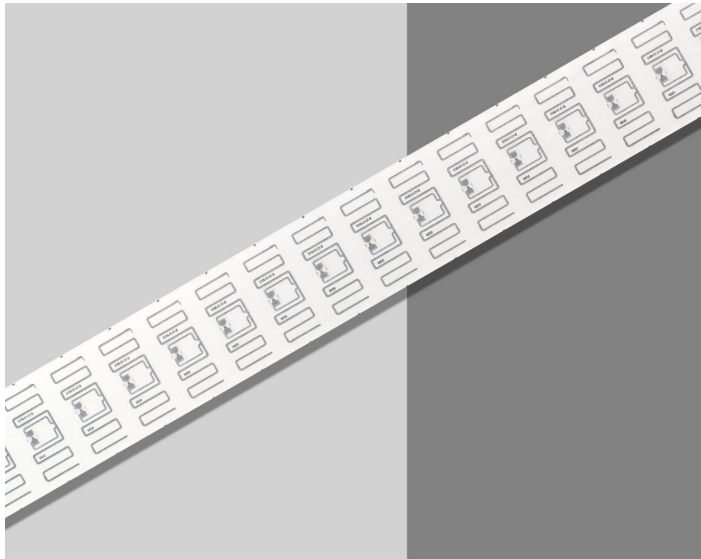
# AD Glow M830

## High performance and flexible use

AD Glow M830 is designed to hit the general retail specification, C2, for ARC certification by Auburn university. Providing excellent global performance in general retail applications such as decor, hardware, candles and other home goods, this inlay carries a 42.5 x 17 mm antenna footprint. The compact die cut allows this inlay to be added to even smaller retail items.

AD Glow 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.

Like all RFID products from Avery Dennison, AD Glow 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

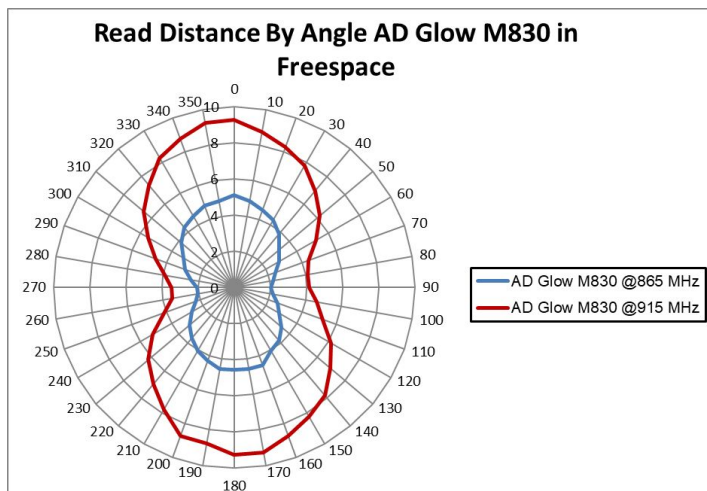
Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	Impinj M830 / Strap Attach
Antenna Dimensions	42.5 x 17 mm / 1.67 x 0.67 in
International Standard	ISO/IEC 18000-63 Type C
Industry Segments	General Retail Apparel
Applications	Home Essentials Supply Chain Management Inventory and Logistics
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

**Technical features**

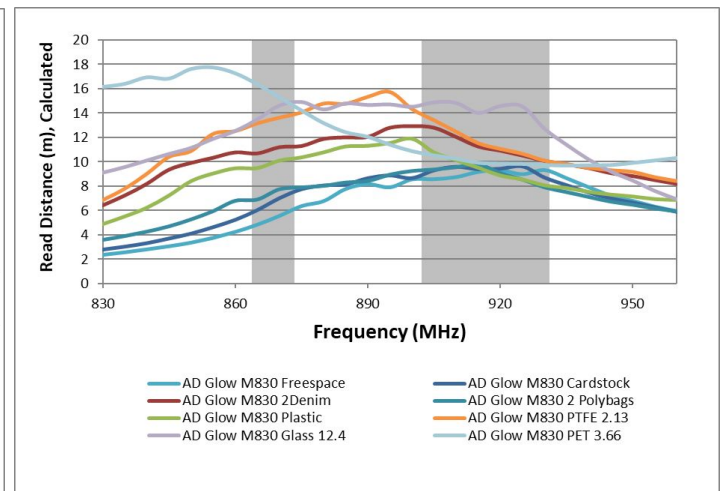
Chip / Chip Attachment Technology	Impinj M830 / Strap Attach		
EPC and User Memory	128-bit EPC and 0-bit User Memory		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	IL-611992	IL-611993	IL-611994
Delivery Format	RIF Dry inlay	Wet inlay	Label
Die-Cut Dimensions	-	45 x 19 mm / 1.75 x 0.75 in	45 x 19.05 mm / 1.75 x 0.75 in
Die-Cut Corner Radius	-	1.59 mm / 0.063 in	1.59 mm / 0.063 in
Inlay Substrate	40# Paper	40# Paper	40# Paper
Top Layer Group	TMBL-100061	-	TMBL-100117
Top Layer Description	PET Clear	-	Paper 3PT Matte FSC
Adhesive Group	-	ADH-100040	ADH-100040
Functional Adhesive Description	-	General purpose permanent, hot melt adhesive. Excellent initial tack and ultimate bond on a wide variety substrates	General purpose permanent, hot melt adhesive. Excellent initial tack and ultimate bond on a wide variety substrates
Total Thickness (over chip and release liner)	11 - 13 mils / 279 - 330 microns	12.2 - 14.2 mils / 310 - 361 microns	15.7 - 17.7 mils / 399 - 450 microns
Standard Pitch	25.4 mm / 1 in	25.4 mm / 1 in	25.4 mm / 1 in
Web Width	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	TBD pcs/reel	TBD pcs/reel	TBD 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		

\*Other product codes available upon request.

**Orientation sensitivity**



**Read range**



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

For more information, please visit the [Avery Dennison sustainability page](#).



Find more label solutions at  
[rfid.averydennison.com](http://rfid.averydennison.com)



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