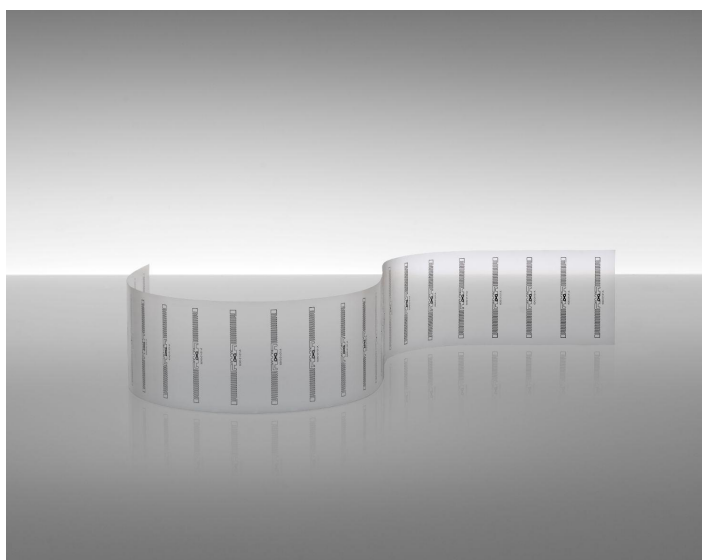


AD Gleam M830



Optimum read ranges for small item level tagging

AD Gleam M830 inlays from Avery Dennison, are engineered for tagging a diverse array of items, including beauty, personal care, fashion, jewelry, and other general merchandise. Operating on the UHF frequency band, these inlays boast a globally designed 60 x 4 mm antenna. Their slim, rectangular shape makes them highly versatile for retail-focused uses, helping to boost inventory accuracy, improve supply chain responsiveness, and increase channel visibility.

AD Gleam 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 Gleam 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

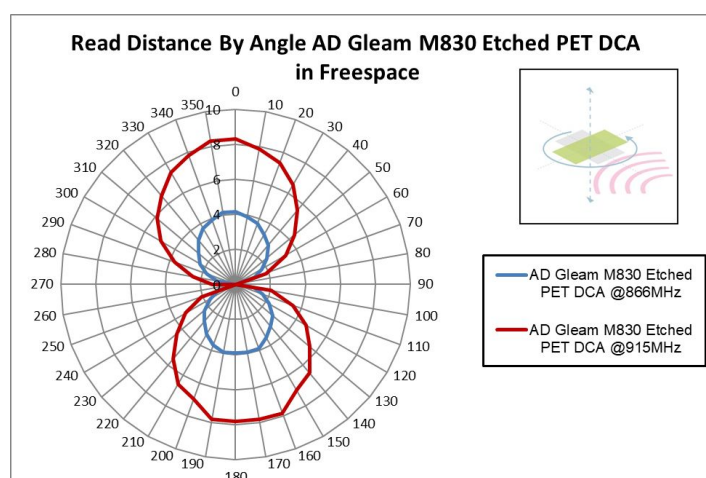
Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	Impinj M830 / Direct Chip Attach
Antenna Dimensions	60 x 4 mm / 2.36 x 0.16 in
International Standard	ISO 18000-63, EPC Class 1 Gen 2 (Gen2X enhanced)
Industry Segments	Beauty General Retail
Applications	Brand Protection Supply Chain Management Inventory and Logistics
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

Technical features

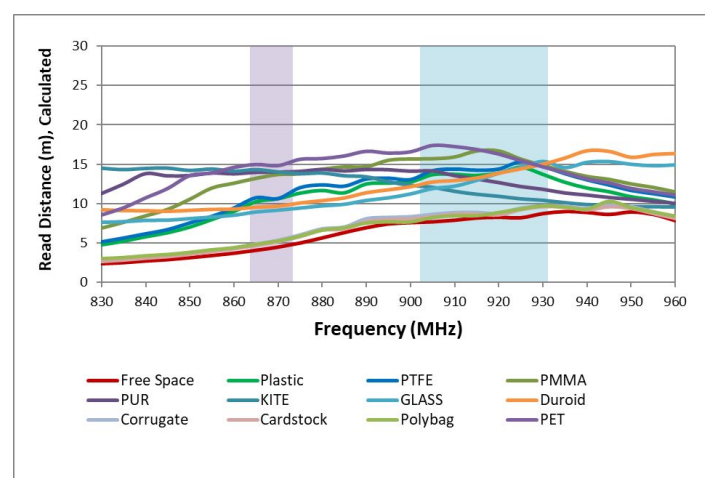
Chip / Chip Attachment Technology	Impinj M830 / Direct Chip Attach		
EPC and User Memory	128-bit EPC and 0-bit User Memory		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	IL-613778	IL-613776	IL-613762
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimensions	-	64 x 6 mm / 2.52 x 0.24 in	64 x 6 mm / 2.52 x 0.24 in
Die-Cut Corner Radius	-	1 mm / 0.039 in	1 mm / 0.039 in
Inlay Substrate	PET Clear	PET Clear	PET Clear
Face Sheet	-	-	Mid-gloss Paper
Adhesive	-	General Purpose Permanent	General Purpose Permanent
Total Thickness (over chip and release liner)	7.20 mils / 183 microns	7.99 mils / 203 microns	11.50 mils / 292 microns
Standard Pitch	25.4 mm / 1 in	25.4 mm / 1 in	25.4 mm / 1 in
Web Width	70.35 mm / 2.77 in	70.35 mm / 2.77 in	70.35 mm / 2.77 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10,000 pcs/reel	10,000 pcs/reel	5,000 pcs/reel
Size of Roll	MAX OD: 15"	MAX OD: 12"	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



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