

AD Sheen M830

High performance RFID tag for supply chain, retail & more



AD Sheen M830 inlays from Avery Dennison Smartrac offer superior performance across various RFID tagging applications. These include supply chain, inventory and logistics, apparel, and general retail. The apparel design is particularly effective for retailers, providing consistent high read rates with a small label footprint, and performing significantly well on fabric, denim, and plastic materials. AD Sheen M830 carries a 42 x 42 mm (1.65 x 1.65 in) antenna footprint and is offered in a PFL wet format.

Featuring the impinj M830 IC, AD Sheen M830 is equipped with 128-bit of EPC memory and 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 Sheen 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

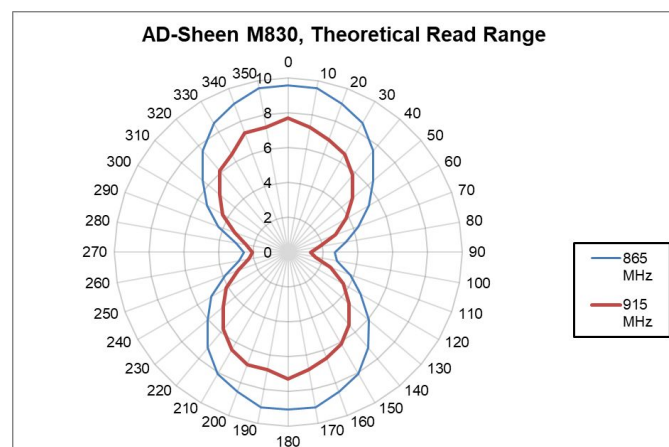
Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	Impinj M830 / Strap Attach
Antenna Dimensions	42 x 42 mm / 1.65 x 1.65 in
International Standard	ISO/IEC 18000-63 Type C
Industry Segments	Apparel General Retail
Applications	Brand Protection Supply Chain Management Inventory and Logistics
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

Technical features

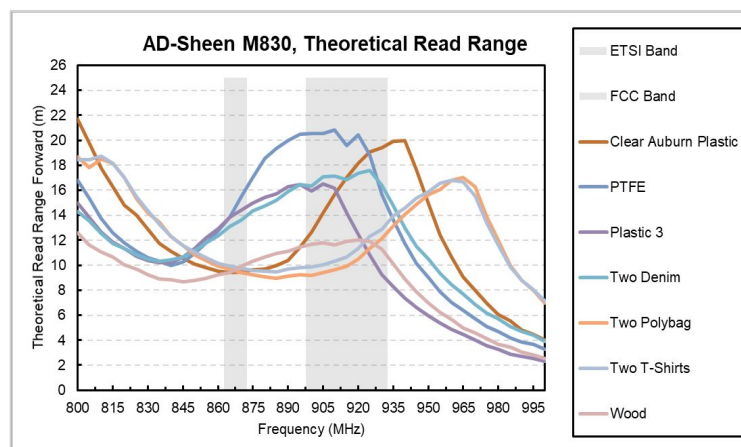
Chip / Chip Attachment Technology	Impinj M830 / Strap Attach
EPC and User Memory	128-bit EPC and 0-bit User Memory
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-613270
Delivery Format	Wet
Die-Cut Dimensions	47 x 47 mm / 1.85 in x 1.85 in
Die-Cut Corner Radius	1.59 mm / 0.063 in
Inlay Substrate	PFL
Face Sheet	-
Total Thickness (over chip and release liner)	13.8 - 15.8 mils / 350.5 - 401.3 microns
Standard Pitch	54.43 mm / 2.14 in
Web Width	57.15mm / 2.25 in
Core Size	76 mm / 3 in
Quantity / Reel	TBD pcs/reel
Size of Roll	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



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