

AD Sonic M830 NEL

High performance and flexible use



Avery Dennison's AD Sonic M830 NEL inlays and tags deliver exceptional global performance tailored for apparel and general retail settings. These inlays, featuring a 20 x 44 mm (.787 x 1.732 in) antenna for seamless integration into various applications, are highly effective for logistics, inventory management, and supply chain operations. They are offered in multiple formats, including dry, wet, pressure-sensitive label, and printed fabric label formats.

Equipped with the impinj M830 IC, AD Sonic M830 NEL inlays feature a 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 Sonic M830 NEL 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

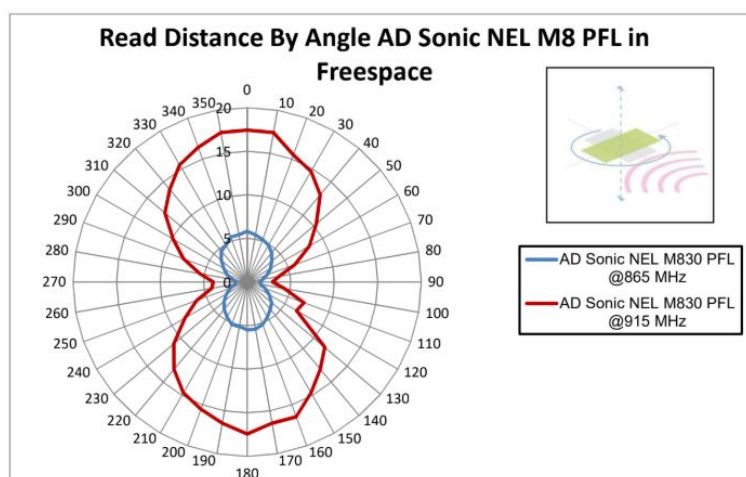
Frequency Band	UHF 860 - 960 MHz
Chip	Impinj M830
Chip Attachment Technology	Strap Attach
Antenna Dimensions	20 x 44 mmn
International Standard	ISO/IEC 18000-63 Type C
Industry Segments	Apparel General Retail
Applications	Brand Protection Supply Chain Management Inventory and Logistics
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

Technical features

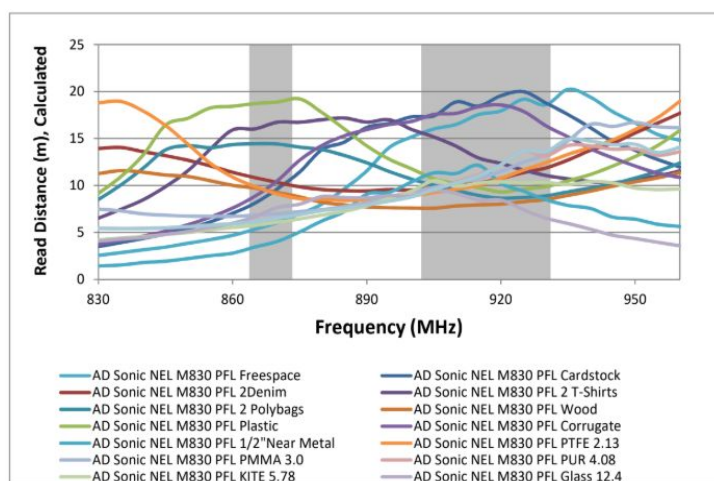
Chip / Chip Attachment Technology	Impinj M830 / Strap Attach
EPC and User Memory	128-bit and n/a
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-614075
Delivery Format	2-Ply PFL
Die-Cut Dimensions	24 x 69.85 mm / 0.945 x 2.75
Die-Cut Corner Radius	1 mm / 0.039 in
Inlay Substrate	PFL
Face Sheet	-
Adhesive	-
Total Thickness (over chip and release liner)	17.2 - 19.2 mils / 437 - 488 microns
Standard Pitch	69.85 mm / 2.75 in
Web Width	24 mm / 0.945 in
Core Size	76 mm / 3 in
Quantity / Reel	TBD pcs/reel
Size of Roll	MAX OD: 15"
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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