AD Miniweb M830

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
Impinj M830

IC Attachment Technology
Direct Chip Attach

Antenna Dimensions
42 x 16 mm / 1.654 x 0.630 in

International Standard
ISO/IEC 18000-63 Type C

Industry Segments
Apparel
Logistics
Healthcare

Applications
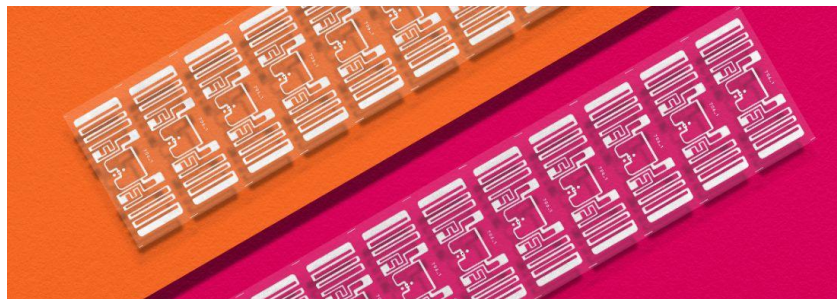Brand Protection
Supply Chain Management
Home Essentials

RoHS
EU Directive 2011/65/EU and
2015/863 Compliant

REACH
Regulation (EC) No. 1907/2006

Compact size, exceptional performance

AD Miniweb M830 inlays from Avery Dennison Smartrac are designed for general retail, apparel and industrial applications. Offering a compact size and excellent performance, this inlay is ideal for tagging a wide range of materials.

Featuring the impinj M830 IC, AD Miniweb 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.

AD Miniweb carries a 42 x 16mm (1.654x.0630in) antenna footprint and is offered in dry inlay, wet inlay and pressure sensitive label delivery formats.
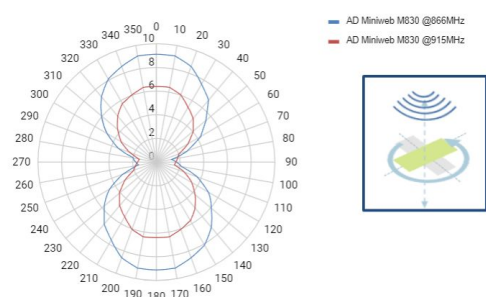
Like all RFID products from Avery Dennison, AD Miniweb M830 inlays are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment. The RFID Lab at Auburn University has awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

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Technical features

Chip / IC Attachment Technology	Impinj M830 / Direct Chip Attach		
EPC and User Memory	128-bit EPC		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	IL-610313	IL-610315	IL-610316
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	-	45 x 18 mm / 1.772 x 0.709 in	45 x 18 mm / 1.772 x 0.709 in
Inlay Substrate	PET	PET	PET
Face Sheet	-	-	Mid-gloss paper
Standard Pitch	20 mm / 0.787 in	20 mm / 0.787 in	20 mm / 0.787 in
Web Width	48 mm / 1.890 in	48 mm / 1.890 in	48 mm / 1.890 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10,000 pcs/reel 20,000 pcs/box	20,000 pcs/reel 40,000 pcs/box	5,000 pcs/reel 10,000 pcs/box
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC Specification Guide		

Orientation Sensitivity

Read Distance on Free Space

— AD Miniweb M830 @866MHz
— AD Miniweb M830 @915MHz
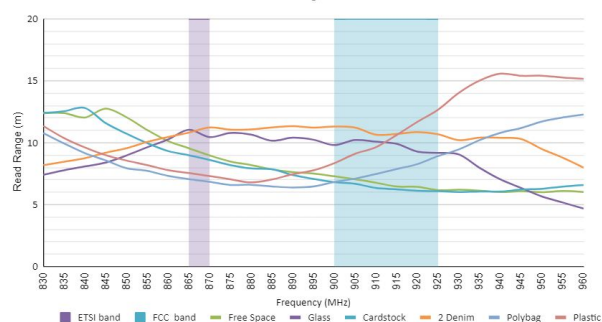
Read Range

Read Range

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

REACH COMPLIANCE

RoHS