

AD-130 U8

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 8

Antenna Dimensions

45 x 7.5 mm / 1.772 x 0.295 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Beauty & Personal Care
Healthcare
Apparel

Applications

Fashion Jewelry and Cosmetics
Pharmaceutical and Healthcare
Personal Care Products

RoHS

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



Ideal for item-level tagging

AD-130 U8 UHF RFID inlays from Avery Dennison Smartrac are recommended for tagging item-level retail products serving a multitude of industries including Beauty & Personal Care, Healthcare and Apparel. The 45 x 7.5mm design was originally developed for tagging fashion jewelry cards in retail environments, but AD-130 U8 has also been found to perform quite well when tracking items such as boxed cosmetics.

Performance tests in a lab setting confirm the inlay is capable of achieving 4-5 foot read distance with a handheld reader when single items are tagged and grouped according to package type. Best results are achieved when tagging items packaged with cardstock backing or in a boxes made of cardstock, including those containing blister packs.

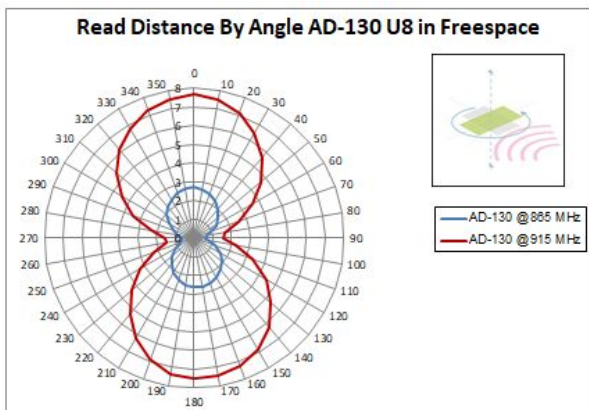
AD-130 U8 inlays are equipped with a UCODE 8 ICs from NXP, featuring 128-bit of EPC memory and 48-bit unique serialized TID number. Delivery formats include dry inlay, wet inlay, and paper label.

AD-130 U8 inlays comply 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. They are manufactured to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University, which awarded Avery Dennison its first ever ARC accreditation for overall quality

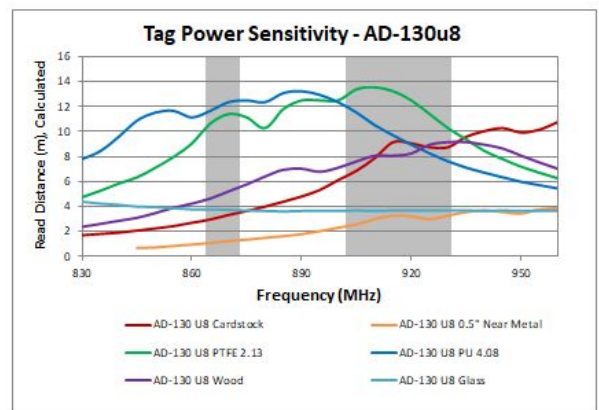
Technical features

Chip	NXP UCODE 8		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF601820	RF601703	RF100741
Delivery Format	Dry inlay+	Wet inlay	Label
Die-Cut Dimension	-	47 x 9.5 mm / 1.85 x 0.374 in	47 x 9.5 mm / 1.85 x 0.374 in
Inlay Substrate	Clear PET	Clear PET	Clear PET
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	10.3 - 12.3 mils / 261 - 313 microns	10.6 - 12.6 mils / 269 - 321 microns	15 - 17 mils / 381 - 432 microns
Standard Pitch	15.88 mm / 0.625 in	38.1 mm / 1.5 in	38.1 mm / 1.5 in
Web Width	52.83 mm / 2.08 in	50.8 mm / 2.0 in	50.8 mm / 2.0 in
Core Size	76.2 mm / 3 in	76.2 mm / 3 in	76.2 mm / 3 in
Quantity / Reel	13,277 pcs/reel MAX OD: 330.2 mm / 13 in	12,968 pcs/reel MAX OD: 330.2 mm / 13 in	TBD MAX OD: 203.2 mm / 8 in
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		

Orientation sensitivity



Read range



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

Contact information

rfid.averydennison.com/contact
+1-678-617-2359

Connect with us on:



© 2022 Avery Dennison Corp. All rights reserved. 170 Monarch Lane, Miamisburg, OH 45342, USA Third party trademarks and/or trade names used herein are the property of their respective owner(s). Some of the trademarks appear for identification purposes only.

Warranty: Please refer to Avery Dennison standard terms and conditions: rfid.averydennison.com/termsandconditions

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

