

AD-180u7

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7

Antenna Dimensions

Ø 26 mm / 1.02 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Apparel
Beauty and Personal Care

Applications

Home Essentials
Personal Care Products
Asset Tracking

RoHs

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



High performance item tagging

AD-180u7 inlays from Avery Dennison are designed for tagging a broad range of retail items, particularly apparel and cosmetics.

Built for the UHF frequency band, the inlays feature a 26 mm diameter antenna with a global design for excellent broadband performance (860-930 MHz) that achieves class-leading read distances on a wide array of surfaces and materials.

The compact form factor and round shape further contributes to the inlay's versatile use in retail oriented applications to increase inventory accuracy, improve supply chain agility and enhance visibility across all channels.

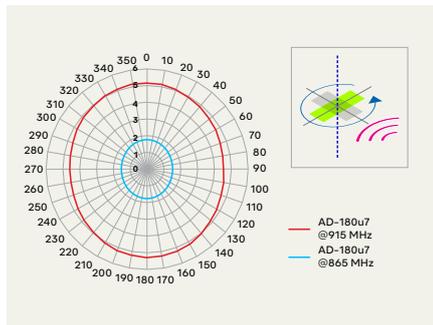
AD-180u7 inlays are equipped with the UCODE 7 IC from NXP, featuring 128-bit of EPC memory and a 96-bit unique serialized TID Number. Delivery format is dry inlay or label /sticker.

Like all RFID products from Avery Dennison, AD-180u7 inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

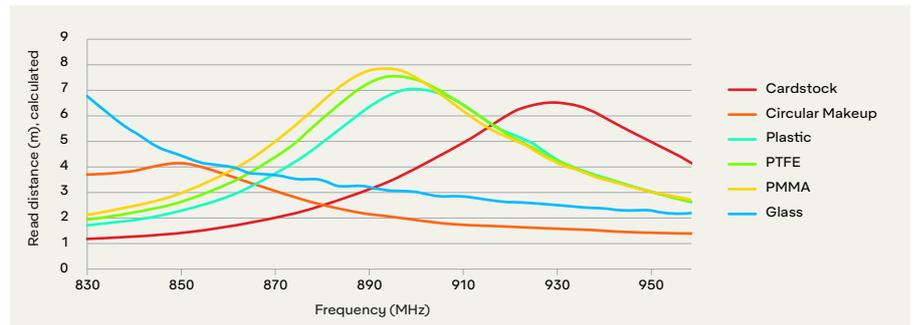
Technical features

Chip	NXP UCODE 7	
EPC and User Memory	128-bit and n/a	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF600988	RF100311
Delivery Format	Dry inlay	Label / sticker
Die-cut Dimension	-	29.25 mm / 1.152 in
Inlay Substrate	5pt Integrity	
Total Thickness	13 - 15 mils / 338 - 389 microns	16 - 18 mils / 399 - 450 microns
Standard Pitch	50.8 mm / 2 in	
Web Width	36 mm / 1.4 in	
Core Size	76 mm / 3 in	
Quantity / Reel	8198 pcs/reel	2433 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F	
On-Metal	Non metal	

Orientation sensitivity



Read range



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

Contact information

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RoHS

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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.

