

AD-160u7

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7

Antenna Dimensions

60 x 4 mm / 2.36 x 0.16 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Beauty and Personal Care
Healthcare

Applications

Apparel and Retail
Cosmetic

RoHs

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



High performance item tagging

AD-160u7 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 60 x 4 mm antenna with a global design ensuring excellent broadband performance (860-930 MHz) that achieves class-leading read distances on a wide array of surfaces and materials.

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

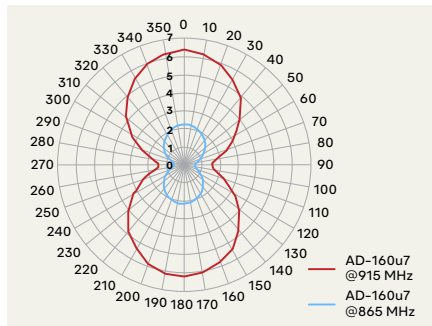
AD-160u7 inlays are equipped with a UCODE 7 ICs from NXP, featuring 128-bits of EPC memory and a 96-bit unique serialized TID Number. Delivery formats include Dry Inlay, Wet Inlay, and Pressure Sensitive Label.

Like all RFID products from Avery Dennison, AD-160u7 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.

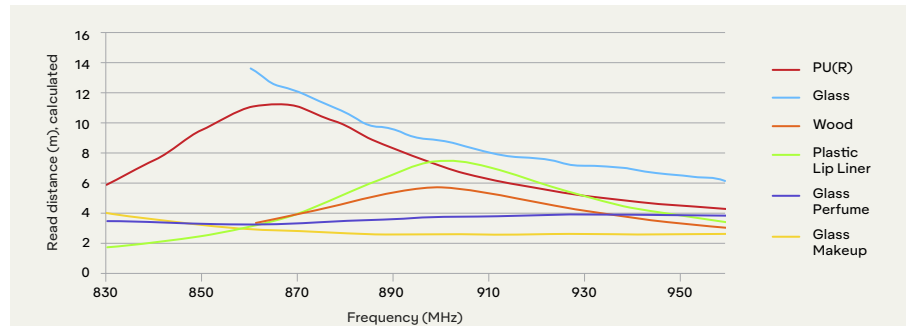
Technical features

Chip	NXP UCODE 7		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF600529	RF601078	RF100286
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-cut Dimension	-	64 x 6 mm / 2.52 x 0.24 in	64 x 6 mm / 2.52 x 0.24 in
Inlay Substrate	PET		
Face Sheet	-	-	White BOPP
Inlay Liner Material	-	Siliconized paper	Siliconized paper
Total Thickness	7 - 9 mils / 170 - 221 microns	9 - 12 mils / 234 - 285 microns	10 - 13 mils / 254 - 330 microns
Standard Pitch	25.4 mm / 1 in		
Web Width	82.55 mm / 3.25 in	70.35 mm / 2.77 in	70.35 mm / 2.77 in
Core Size	152 mm / 6 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	30000 pcs/reel	10000 pcs/reel	7008 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.

