

Avery Dennison

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 Standart
ISO/IEC 18000-63 Type C

Industry Segments
Beauty and Personal Care
Healthcare

Applications
Apparel and Retail
Cosmetic

RoHs
EU Directive 2011/65/EU
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.

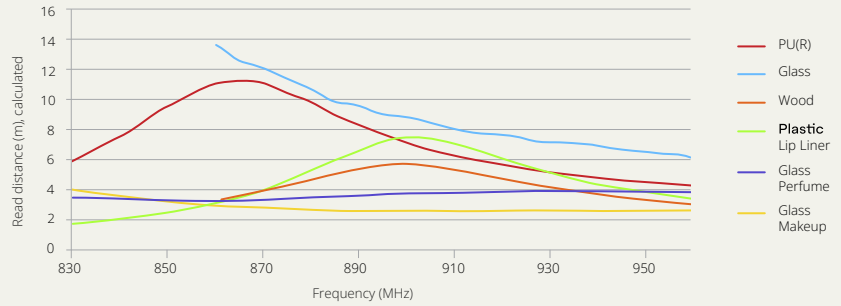
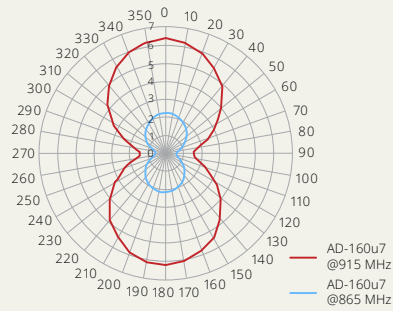
AD-160u7 inlays are equipped with a UCODE 7 ICs from NXP, featuring 128-bits of EPC memory and a 96-bit unique serialized TID Number. Delivery formats **include Dry Inlay, Wet Inlay, and Pressure Sensitive Label.**

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.