AD-312 U9

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 9

Antenna Dimensions
41.4 mm x 29 mm / 1.63 x 1.142 in

International Standard
ISO/IEC 18000-63 Type C

Industry Segments
Apparel
Logistics
Healthcare

Applications
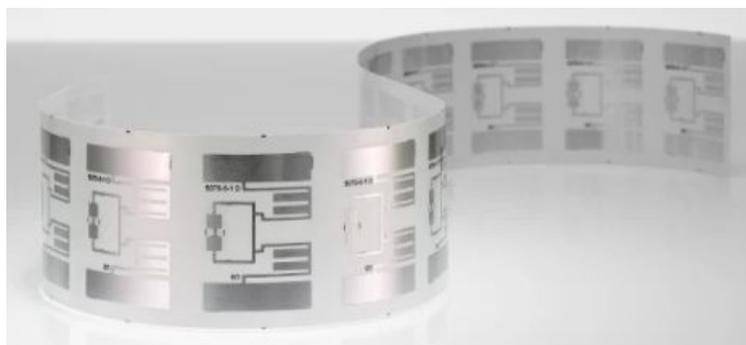Supply Chain Management
Brand Protection
Home Essentials

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

High performance and flexible use

AD-312 U9 inlays from Avery Dennison are the solution of choice for a wide variety of RFID tagging applications and features the UCODE 9 chip by NXP.
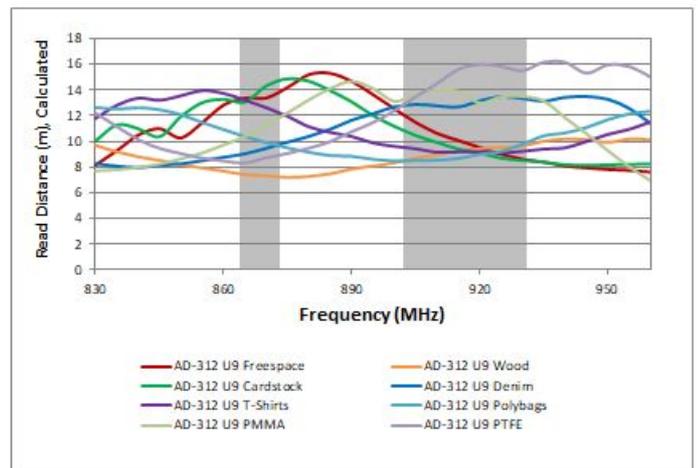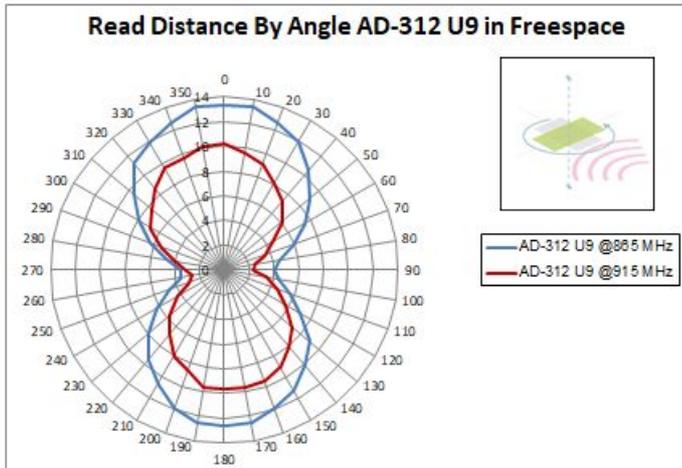
The high performing, Gen2 UHF RFID inlays are a perfect fit for retail items such as apparel and home essentials, and integrate well into supply chain, inventory and logistics applications.

AD-312 U9 inlays feature 96 bits of EPC memory and 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory-encoded into the TID. Delivery formats include dry, wet and paper inlay.

Like all RFID products from Avery Dennison, AD-312 U9 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 9		
EPC and User Memory	96-bit EPC / -		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF602269 / IL-606996	RF602272 / IL-607454	RF101041 / IL-605858
Delivery Format	Dry inlay +	Wet inlay	Label / sticker
Die-Cut Dimension	-	44.45 x 33 mm / 1.75 x 1.30 in	44.45 x 33 mm / 1.75 x 1.30 in
Inlay Substrate	40# Paper	40# Paper	40# Paper
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	11.5- 13.5 mils / 292.1 - 342.9 microns	11.8 - 13.8 mils / 299.72 - 350.52 microns	16.2 - 18.2 mils / 411.48 - 462.28 microns
Standard Pitch	38.1 mm / 1.5 in	38.1 mm / 1.5 in	38.1 mm / 1.5 in
Web Width	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	6,195 pcs/reel +10%/-0 MAX OD: 330.2 mm / 13 in	6.060 pcs/reel +10%/-0 MAX OD: 330.2 mm / 13in	1,577 pcs/reel +10%/-0 MAX OD: 203.2 mm / 8 in
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal,		
Certificate	ARC: Q, G, M, F, I, K, W2, W5		

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: in   f   ⓘ

AVERY DENNISON