AD-332u8

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 8

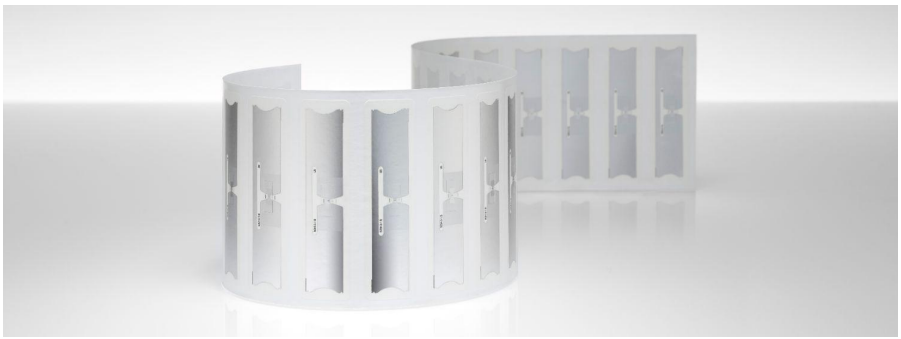
Antenna Dimensions
70 x 14.5 mm / 2.76 x 0.57 in

International Standard
ISO/IEC 18000-63 Type C

Industry Segments
Logistics
Apparel

Applications
Inventory and Logistics
Supply Chain Management

RoHS
EU Directive 2011/65/EU and
Directive (EU) 2015/863



High reliability in high density,close proximity conditions

AD-332u8 inlays from Avery Dennison excel in high density, close proximity conditions often found in supply chain (inventory and logistics) and retail environments (apparel and item-level tagging).

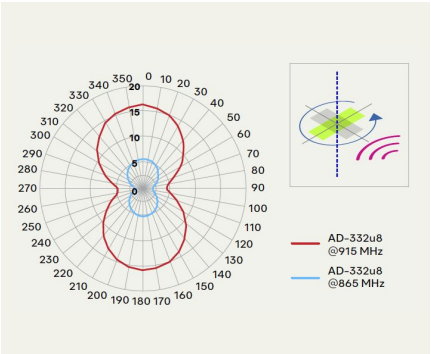
The Gen2 UHF RFID inlays have a 70 x 14.5mm antenna design providing superior bulk reading performance when tagged items are stacked, and feature UCODE 8 chips from NXP. The chip is equipped with 128-bit of EPC memory and a 96-bit Tag IDentifier (TID) with a 48-bit unique serial number factory-encoded into the TID.

Like all RFID products from Avery Dennison, AD-332u8 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..

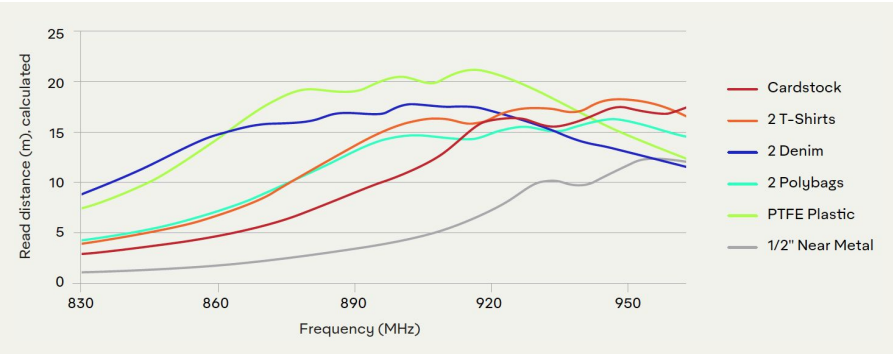
Technical features

Chip	NXP UCODE 8	
EPC and User Memory	128-bit and n/a	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF601319 / IL-603774	RF100638 / IL-603775
Delivery Format	Wet inlay	Label / sticker
Die-Cut Dimension	76 x 20 mm / 3.00 x 0.80 in	–
Inlay Substrate	38um Paper	5pt Integrity
Total Thickness	10 - 12 mils / 256 - 307 microns	14.5 - 16.5 mils / 368 - 419 microns
Standard Pitch	25.4 mm / 1 in	–
Web Width	82.6 mm / 3.25 in	–
Core Size	76 mm / 3 in	–
Quantity / Reel	29,480 pcs/reel	5,220 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	
On-Metal	Non metal	
Certificates	ARC	

Orientation sensitivity



Read range



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

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