AD-327 U9 ETSI

Overview

Frequency Band
UHF 860 - 960 MHz

Chip
NXP UCODE 9

Antenna Dimensions
41 x 16 mm / 1.63 x 0.63 in

International Standard
ISO/IEC 18000-63 Type C

Industry Segments
Apparel
Logistics
Healthcare

Applications
Supply Chain Management
Home Essentials
Inventory and Logistics

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

Superior performance across a wide range of dielectrics

AD-327 U9 ETSI inlays from Avery Dennison are ideally suited for a wide variety of RFID tagging applications, particularly those related to the areas of supply chain, inventory and logistics, apparel, and pharmaceutical & healthcare.

The Gen2 UHF RFID inlay's 41.4 x 16mm design is optimized for outstanding performance in the ETSI frequency band (865-868 MHz) and features the UCODE 9 IC by NXP.

AD-327 U9 ETSI's UCODE 9 chip features 96-bit of EPC memory and a 96-bit unique factory-locked TID number. A 48-bit unique serial number is factory encoded into the TID. UCODE 9 supports all mandatory commands of EPC global specification V.2.0.1 including (Perma) LOCK and Kill Command.

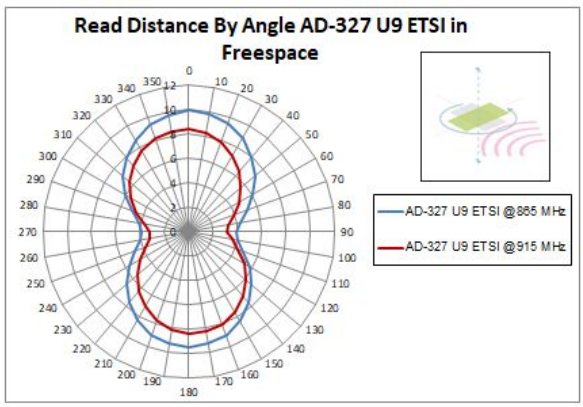
Delivery formats include dry, wet and paper inlay.

Like all RFID products from Avery Dennison, AD-327 U9 ETSI 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.

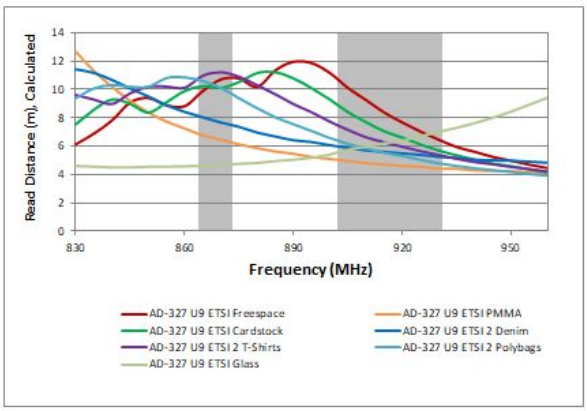
Technical features

Chip	NXP UCODE 9		
EPC	96-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF602248 / IL-605279	RF602249 / IL-605625	RF101036 / IL-605226
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	-	44 x 19 mm / 1.75 x 0.75 in	44 x 19 mm / 1.75 x 0.75 in
Inlay Substrate	Paper	Paper	Paper
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	11–14 mils / 279–356 microns	12–15 mils / 305–381 microns	16–19 mils / 405–483 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
Maximum Outside Diameter	387 mm / 15.25 in	330.2 mm / 13 in	203.2 mm / 8 in
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC Spec K		

Orientation sensitivity



Read Range



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

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