

AD-327 U9 ETSI Pure 95™

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 9

Chip Attachment Technology

Strap Attach

Antenna Dimensions

41.4 x 16 mm / 1.63 x 0.63 in

Die-cut Dimensions

44.45 x 19.05 mm / 1.75 x 0.75 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

REACH

Regulation (EC) No. 1907/2006

End of Life

Paper recyclability: PTS- RH021:97/2012



Excellent read range and versatility

AD-327 U9 ETSI Pure 95™ inlays leverage the capabilities of NXP's UCODE 9 chip, and are suitable for a wide variety of RFID tagging applications, including supply chain, inventory & logistics, apparel, and pharmaceutical & healthcare.

Sustainability

The AD-327 U9 ETSI Pure 95™ inlay antenna is produced with pure aluminum, replacing the PET aluminum laminate that is traditionally used in standard antenna production. By removing the plastic based layer, the total inlay construction is up to 95% plastic free in both wet inlay and label formats. A minimal amount of plastic-strap is used for the IC attachment.

The innovative manufacturing process also enables other benefits, such as recycling excess materials and reducing the total amount of materials while maintaining the overall performance of the product. In addition, based on extensive testing against PTS-RH 021:97/2012 paper and cardboard recycling method with third party laboratorio shows that AD Pure 95™ inlays and label are recyclable within the items.

Application

AD-327 U9 ETSI Pure 95™ inlay 41.4 x 16 mm design is optimized for outstanding performance in the ETSI frequency band (865-868 MHz) and feature 96-bit of EPC memory as well as a 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 pressure sensitive label.

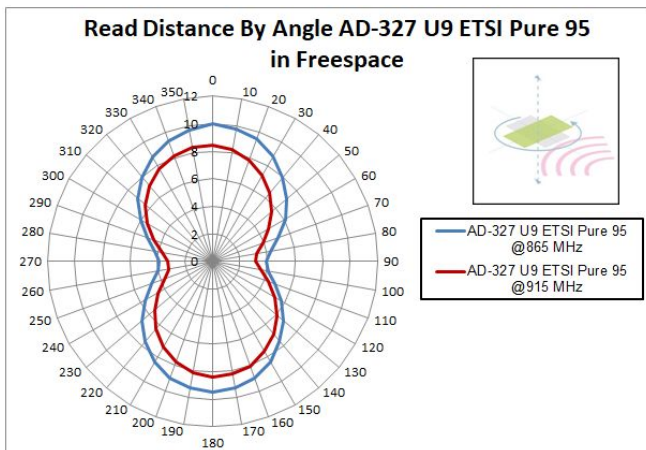
Quality

Like all RFID products from Avery Dennison, AD-327 U9 ETSI Pure 95™ 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

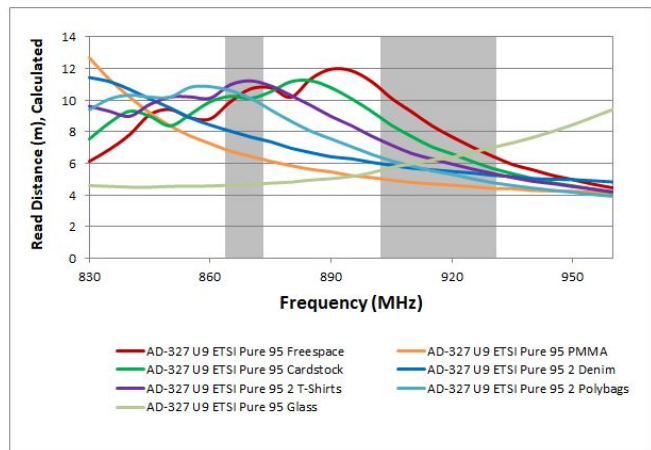
Chip	NXP UCODE 9		
Chip Attachment Technology	Strap Attach		
EPC and User Memory	96-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF602351 / IL-605264	RF101073 / IL-605485	RF101072 / IL-606783
Delivery Format	Wet inlay	Label	Label
Die-Cut Dimension	44.45 x 19.05 mm / 1.75 x 0.75 in	44.45 x 19.05 mm / 1.75 x 0.75 in	44.45 x 19.05 mm / 1.75 x 0.75 in
Inlay Substrate	40# Paper	3pt Paper	5pt Paper
Total Thickness	11.6 – 13.6 mils / 294.64 – 345.44 microns	12.8 – 14.8 mils / 325.12 – 375.92 microns	14.5 – 16.5 mils / 368.3 – 419.1 microns
Standard Pitch	38.1 mm / 1.5 in		
Web Width	50.8 mm / 2 in		
Core Size	76 mm / 3 in		
Size of Roll	MAX OD: 13 in	MAX OD: 8 in	MAX OD: 8 in
Quantity / Reel	5,767 pcs/reel	1,941 pcs/reel	1,740 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC		

Orientation sensitivity



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

Read range



Contact information

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Connect with us on:



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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.