

AD-387 U9

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 9

Antenna Dimensions

50 x 30 mm / 1.97 x 1.18 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Apparel
Logistics

Applications

Supply Chain Management
Home Essentials
Brand Protection

RoHS

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



Combining performance and versatility

AD-387 U9 from Avery Dennison Smartrac is a high performing inlay suitable for a wide variety of RFID tagging applications. It features the UCODE 9 chip by NXP.

The Gen2 UHF RFID inlay perfectly integrates with a wide variety of RFID tagging applications, including supply chain, inventory & logistics, apparel and home essentials.

AD-387 U9 features the UCODE 9 chip that is equipped with 96 bits of EPC memory, including a 96-bit Tag IDentifier (TID) with a 48-bit unique serial number factory-encoded into the TID.

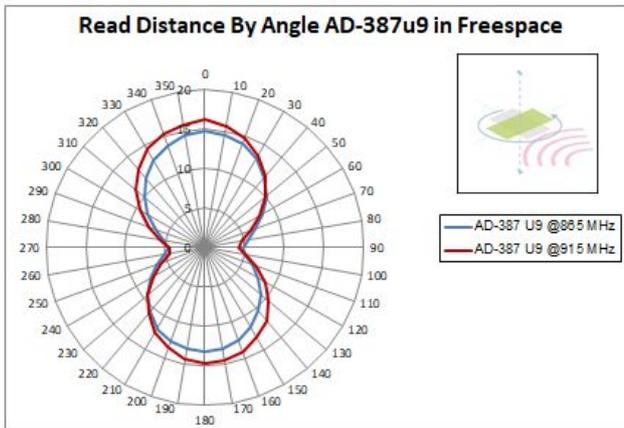
AD-387 U9 is available in wide-edge leading (WEL) format. Delivery formats include dry, wet and label / sticker.

Like all RFID products from Avery Dennison, AD-387 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. AD-387 U9 has passed ARC category N, Spec Q, M, G, F, L, J, I, K, W1, W2, W3, W4, W5, and W6.

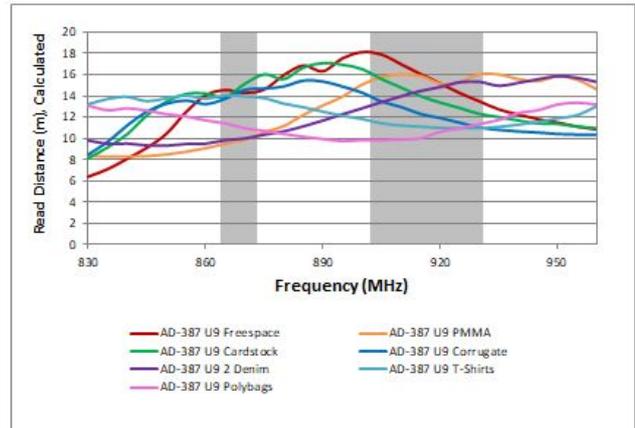
Technical features

Chip	NXP UCODE 9		
EPC and User Memory	96-bit and n/a		
TID Memory	96-bit		
Product Code	RF602178 / IL-604497	RF602179 / IL-607615	RF100973 / IL-605494
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimension	N/A	54 x 34 mm / 2.13 x 1.34 in.	54 x 34 mm / 2.13 x 1.34 in
Inlay Substrate	40# Paper	40# Paper	40# Paper
Face Sheet	N/A	N/A	TT2C (FASSON®) Bright White
Total Thickness	11 – 14 mils / 279 – 356 microns	12 – 15 mils / 304 – 381 microns	16 – 19 mils / 406 – 483 microns
Standard Pitch	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in
Web Width	58 mm / 2.283 in	58 mm / 2.283 in	58 mm / 2.283 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
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.

Contact information

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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.

