

AD-387 U9 NEL

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 9

IC Attachment Technology

Strap Attach

Antenna Dimensions

30 x 50 mm / 1.18 x 1.969 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
Directive (EU) 2015/863



Combining performance and versatility

AD-387 U9 NEL 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.

The UCODE 9 chip provides 96-bits of EPC memory and includes enables features such Self Adjust, Memory Safeguard, Dynamic BS and Pre-serialized EPC. A 96-bit Tag Identifier (TID) is factory locked with a 48-bit unique serial number embedded into the TID.

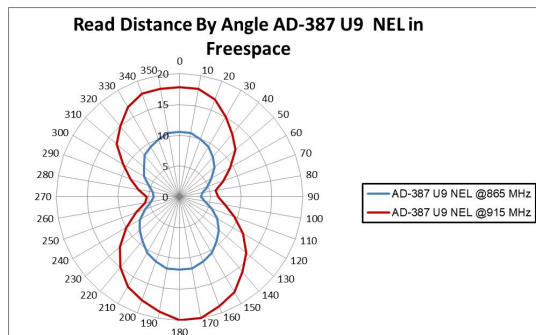
AD-387 U9 NEL is also available in wide-edge leading (WEL) format. Delivery formats include dry inlay, wet inlay and label.

Like all RFID products from Avery Dennison, AD Force U9 NEL 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.

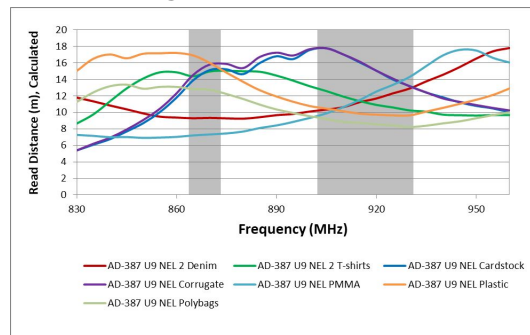
Technical features

Chip/IC Attachment Technology	NXP UCODE 9 / Strap Attach	
EPC and User Memory	96-bit and n/a	
TID Memory	96-bit / 48-bit unique serial number	
Product Code	RF602461 / IL-605601	RF602463 / IL-606853
Delivery Format	Dry+ Inlay	Wet Inlay
Die-Cut Dimension	-	34 x 54 mm / 1.339 x 2.126 in
Inlay Substrate	Opaque PET	Opaque PET
Face Sheet	-	-
Total Thickness	10.6 - 12.6 mils 269.24 - 320.04 microns	11.8 - 13.8 mils 299.72 - 350.52 microns
Standard Pitch	63.5 mm / 2.5 in	63.5 mm / 2.5 in
Web Width	38.1 mm / 1.5 in	38.1 mm / 1.5 in
Core Size	76 mm / 3 in	76 mm / 3 in
Size of Roll	TBD pcs/reel 15.5 in Max OD	TBD pcs/reel 13 in Max OD
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F	
On-Metal	Non metal	
Certificate	ARC: Spec N, Spec Q, Spec G, Spec F, Spec L, Spec I, Spec K, Spec W1, Spec W2, Spec W3, Spec W4, Spec W5, and Spec W6	

Orientation sensitivity



Read range



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:



© 2022 Avery Dennison Corp. All rights reserved. 170 Monarch Lane, Miamisburg, OH 45342, USA Third party trademarks and/or trade names used herein are the property of their respective owner(s). Some of the trademarks appear for identification purposes only.

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.

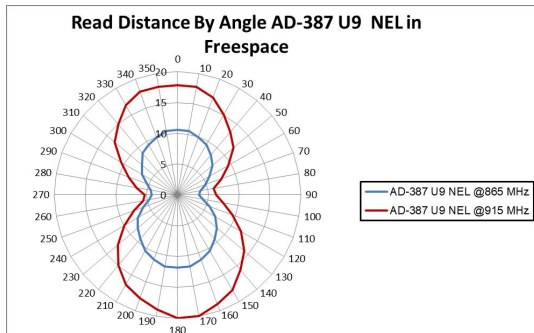
Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, 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.



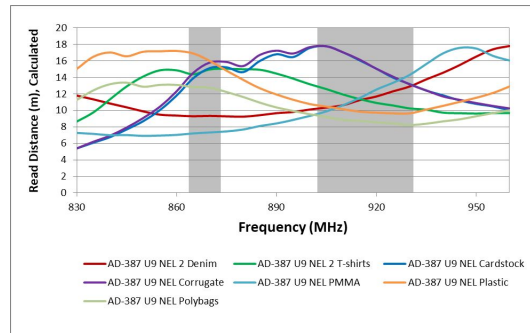
Technical features

Chip	NXP UCODE 9		
EPC and User Memory	96-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF602460 / IL-605966	RF602462 / IL-607540	RF101126 / IL-607065
Delivery Format	Dry+ Inlay	Wet Inlay	Label
Die-Cut Dimension	-	34 x 54 mm / 1.339 x 2.126 in	34 x 54 mm / 1.339 x 2.126 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	12.7 - 14.7 mils 322.58 - 373.38 microns	16.2 - 18.2 mils 411.48 - 462.28 microns
Standard Pitch	63.5 mm / 2.5 in	63.5 mm / 2.5 in	63.5 mm / 2.5 in
Web Width	38.1 mm / 1.5 in	38.1 mm / 1.5 in	38.1 mm / 1.5 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	TBD pcs/reel	TBD pcs/reel	TBD pcs/reel
Size of Roll	15.5 in Max OD	13 in Max OD	8 in Max OD
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC: Spec N, Spec Q, Spec G, Spec F, Spec L, Spec I, Spec K, Spec W1, Spec W2, Spec W3, Spec W4, Spec W5, and Spec W6		

Orientation sensitivity



Read range



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:



© 2022 Avery Dennison Corp. All rights reserved. 170 Monarch Lane, Miamisburg, OH 45342, USA Third party trademarks and/or trade names used herein are the property of their respective owner(s). Some of the trademarks appear for identification purposes only.

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.

