

# AD-374 U9 NEL

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 9

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**Antenna Dimensions**

19 x 53 mm / 0.748 x 2.087 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel  
Logistics  
Healthcare

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**Applications**

Home Essentials  
Supply Chain Management  
Inventory and Logistics

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**RoHS**

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

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**REACH**

Regulation (EC) No. 1907/2006



## Ideal for a wide range of items in retail and beyond

AD-374 U9 NEL inlays from Avery Dennison are designed for tagging a broad range of retail items, particularly apparel, including fabrics with metallic fiber. They are also well suited for applications related to supply chain, inventory and logistics.

Built for the UHF frequency band, the inlays feature a 19 x 53 mm antenna with global broadband performance (860-930 MHz) for reliable operation on a broad range of surfaces and materials.

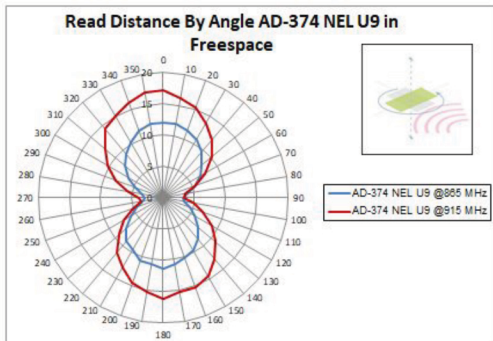
AD-374 U9 NEL is equipped with the UCODE 9 IC from NXP, featuring 96-bits of EPC memory and a 96-bit Tag Identifier (TID) with a 48-bit unique serial number factory encoded into the TID. Delivery formats include Dry Inlay, Wet Inlay and Label.

Like all RFID products from Avery Dennison, AD-374 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.

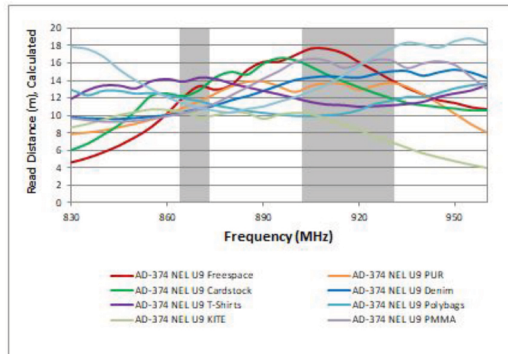
## Technical features

Chip	NXP UCODE 9		
EPC and User Memory	96-bit EPC / -		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF602189 / IL-606347	RF602191 / IL-605207	RF100982 / IL-605230
Delivery Format	Dry inlay+	Wet inlay	Label / sticker
Die-Cut Dimension	-	22.18 x 56.18 mm / 0.873 x 2.212 in	56.18 x 22.18 mm / 2.212 x 0.873 in
Inlay Substrate	Opaque PET	Opaque PET	40# Paper
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	10.6 - 12.6 mils / 269.24 - 320.04 microns	10.9 - 12.9 mils / 276.86 - 327.66 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	31.75 mm / 1.25 in	31.75 mm / 1.25 in	31.75 mm / 1.25 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
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificates	ARC: Spec N, Spec Q, Spec M, Spec G, Spec F, Spec L, Spec I, Spec K, Spec W1, Spec W2, and Spec W5		

### Orientation sensitivity



### Read range



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

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**Warranty:** Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](https://www.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.



atlasRFIDstore

(205) 383-2244

sales@atlasRFIDstore.com

[www.atlasRFIDstore.com](http://www.atlasRFIDstore.com)