

# AD Dogbone® U9 Pure™

## Overview

---

**Frequency Band**

UHF 860 - 960 MHz

---

**Chip Attachment Technology**

Direct Chip Attach

---

**Chip**

NXP UCODE 9

---

**Antenna Dimensions**

94 x 24mm / 3.70 x 0.95 in

---

**International Standard**

ISO 18000-63, EPC Class 1 Gen 2

---

**Industry Segments**

Industrial Applications  
Automotive

---

**Applications**

Inventory Management  
Supply Chain Management

---

**RoHS**

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

---

**REACH**

Regulation (EC) No. 1907/2006

---

**End of Life**

Paper recyclability: PTS- RH021:97/2012



## Excellent global performance even on difficult-to-tag materials

AD Dogbone® U9 Pure™ inlays and tags are designed for industry and supply-chain applications, offering excellent performance on difficult-to-tag materials such as cardboard and plastic, glass and in other demanding, close-coupling environments.

AD Dogbone® U9 Pure™ inlays and tags have a good tolerance to the detuning effects of high dielectric materials and provide effective global performance. They can be easily converted into end-application usage, and are available in dry and wet delivery format. AD Dogbone® U9 Pure™ is equipped with NXP UCODE 9 IC and offers a self adjust feature to maximize product performance in challenging environments.

Avery Dennison inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs.

### Sustainability - 100% Plastic Free

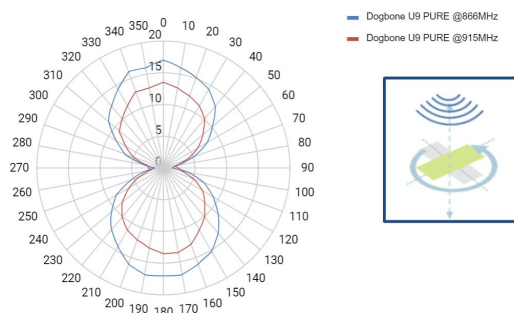
AD Dogbone® U9 Pure™ is produced via innovative antenna manufacturing technology where aluminium antenna is made directly on a paper making the products 100% plastic free, and according to an LCA (Life Cycle Analysis) study by an independent institute provide typically 70-90% savings in carbon footprint compared to traditional etching method. The manufacturing process also enables recycling excess materials and reducing the total amount of materials while maintaining the overall performance of the product. Based on extensive testing against PTS-RH 021:97/2012 paper and cardboard recycling method with third party laboratorio shows that standard Pure™ inlays and label are recyclable within the items.

## Technical features

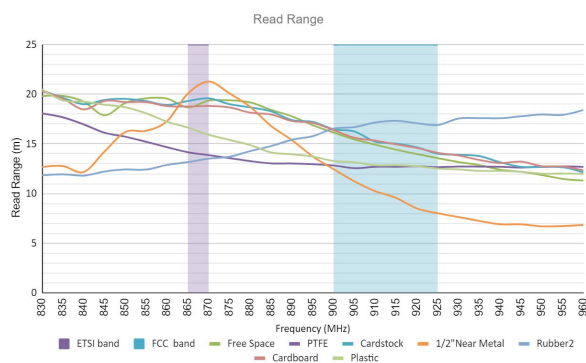
Chip	NXP UCODE 9	
Chip Attachment Technology	Direct Chip Attach	
EPC and User Memory	96-bit and 0-bit	
TID Memory	96-bit / 48-bit unique serial number	
Product Code*	3009333 / IL-609217	IL-609993
Delivery Format	Dry inlay	Wet inlay
Die-Cut Dimension	–	97x27 mm / 3.82x1.10 in
Inlay Substrate**	Paper 82	Paper 82
Face Sheet	–	–
Standard Pitch	30 mm / 1.18 in	30 mm / 1.18 in
Web Width	100 mm / 3.94 in	100 mm / 3.94 in
Core Size	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10,000 pcs / reel 10,000 pcs / box	5,000 pcs / reel 10,000 pcs / box
Operating Temperature	-40°C to 85°C / -40°F to 185°F	
Certificate	N/A	

\* Other product codes available \*\* Available also with other papers

## Orientation sensitivity



## Read range



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

### Contact information

[rfid.averydennison.com/contact](http://rfid.averydennison.com/contact)  
+1-678-617-2359

Connect with us on:



© 2023 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](http://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.

