

AD-834 U9XE

Overview

Frequency Band

UHF 860 - 960 MHz

Chip Attachment Technology

Direct Chip Attach

Chip

UCODE 9xe

Antenna Dimensions

Ø 13 mm / Ø .512 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Retail / Apparel

Applications

Beauty and Personal Care
Small Apparel

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Efficient custom inlay for beauty products

The AD-834 U9XE inlay was developed for beauty products, and is perfectly suited for personal care and small apparel tagging as well.

Digitization of beauty products by RFID tagging can offer customers a seamless shopping experience by merging the digital and physical retail worlds, and ensure supply-chain integrity to safeguard brand value. In addition, beauty retail channels like pick-up-on-curb and virtual stores are proliferating. More than ever, consumers of beauty products expect to buy what they want anytime, anywhere, wholly on their terms, creating a greater need for a seamless shopping experience - which is made easier by digitizing products to manage the supply chain efficiently.

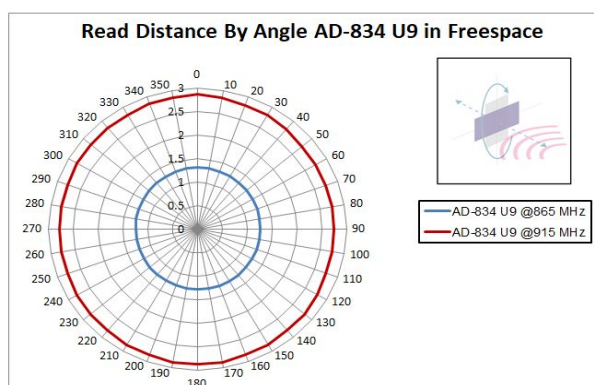
The inlay's antenna measures 13 mm in diameter, and can achieve read distances of up to seven meters on a variety of surfaces including plastic, glass and cardstock. AD-834 U9XE features NXP's UCODE 9xe chip that is equipped with 128-bit of EPC memory, including a 96-bit Tag IDentifier (TID) with a 48-bit unique serial number factory-encoded into the TID.

AD-834 U9XE complies 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, especially in the retail environment. Like all Avery Dennison products, it is manufactured to the industry's highest quality standards.

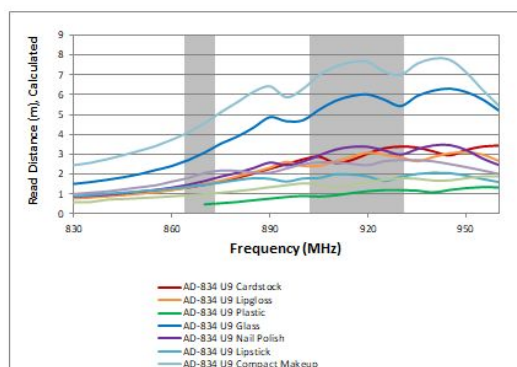
Technical features

| | | |
|-----------------------------------|--|--------------------------------|
| Chip / Chip Attachment Technology | NXP UCODE 9xe / Direct chip attach (DCA) | |
| EPC and User Memory | 128-bit and N/A | |
| TID Memory | 96-bit / 48-bit unique serial number | |
| Product Code | IL-609532 | IL-610126 |
| Delivery Format | Dry inlay + | Label |
| Die-Cut Dimension | – | 18.12 x 15 mm / 0.71 x 0.59 in |
| Inlay Substrate | 38µm Opaque PET | 38µm Opaque PET |
| Face Sheet | - | BOPP |
| Total Thickness | 6 - 7 mils / 154 -290 µm | 9 - 12 mils / 241 - 295 µm |
| Standard Pitch | 25.4 mm / 1.0 in | 25.4 mm / 1.0 in |
| Web Width | 26 mm / 1.0 in | 26 mm / 1.0 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 5,000 pcs/reel | 5,000 pcs/reel |
| Operating Temperature | -40 °C to 85 °C -40 °F to 185 °F | |

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.