

AD-372 U8

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 8

Antenna Dimensions

53 x 19 mm / 2.09 x 0.75 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Apparel
Logistics

Applications

Home Essentials
Supply Chain Management

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Ideal for a wide range of items in retail and beyond

AD-372u8 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 53 x 19 mm antenna with global broadband performance (860-930 MHz) for reliable operation on a broad range of surfaces and materials.

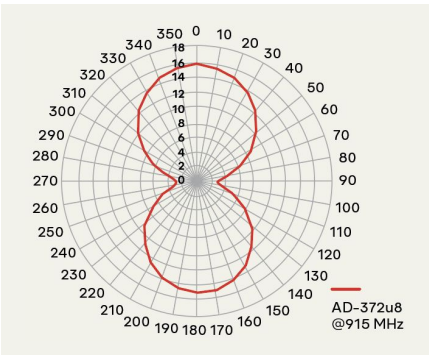
AD-372u8 is equipped with the UCODE 8 IC from NXP, featuring 128-bit of EPC memory and a 96-bit Tag Identifier (TID) with a 48-bit unique serial number factory encoded into the TID. Delivery formats include Dry Inlay, Wet Inlay and Label / Sticker.

Like all RFID products from Avery Dennison, AD-372u8 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.

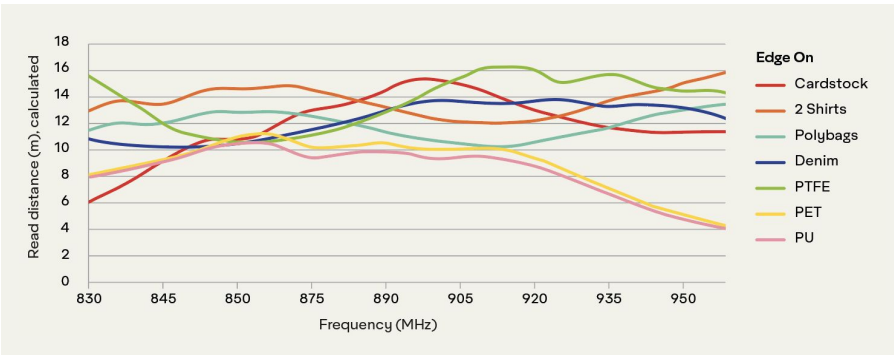
Technical features

Chip	NXP UCODE 8		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF601375 / IL-612631	RF601115 / IL-612630	RF100507 / IL-603781
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	–	57.2 x 25.4 mm / 2.25 x 1 in	57.2 x 25.4 mm / 2.25 x 1 in
Inlay Substrate	Opaque PET	Opaque PET	40# Paper
Face Sheet	–	–	TT2C (FASSON®) Bright White
Total Thickness	11 - 13 mils / 268 - 319 microns	11 - 13 mils / 268 - 319 microns	13 - 15 mils / 323 - 374 microns
Standard Pitch	25.4 mm / 1 in	38.1 mm / 1.5 in	38.1 mm / 1.5 in
Web Width	56 mm / 2.2 in	63.5 mm / 2.5 in	63.5 mm / 2.5 in
Core Size	76 mm / 3 in		
Quantity / Reel	30,000 pcs/reel	13,500 pcs/reel	3,908 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificates	ARC Specification Guide		

Orientation sensitivity



Read range



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

Contact information

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Connect with us on:



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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.