

AD Twist U8

Overview

Frequency Band

UHF 860 - 960 MHz

Chip Attachment Technology

Direct Chip Attach

Chip

NXP UCODE 8

Antenna Dimensions

23 x 23 mm / 0.906 x 0.906 in

International Standard

ISO 18000-63, EPC Class 1 Gen 2

Industry Segments

Automotive
Assets management

Applications

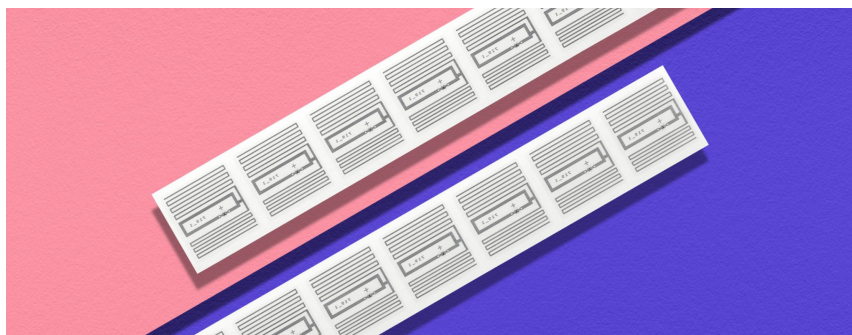
Aerospace
Industry
Hard-to-tag items

RoHS

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

REACH

Regulation (EC) No 1907/2006



Small inlay for difficult-to-tag items

AD Twist U8 inlays and tags are designed for applications in the automotive, aerospace and generic industrial sectors. It can be used to tag for example cables, tubes and wires where attaching a standard UHF inlay on the surface of item is challenging.

AD Twist U8 offers excellent performance on all materials and features a tiny optimized form factor that makes it suitable to be converted into a loop tag format and attached around any size of asset.

AD Twist equipped with the NXP UCODE 8 ICs supporting 128-bit EPC memory, and is suitable for applications where extended memory is not required.

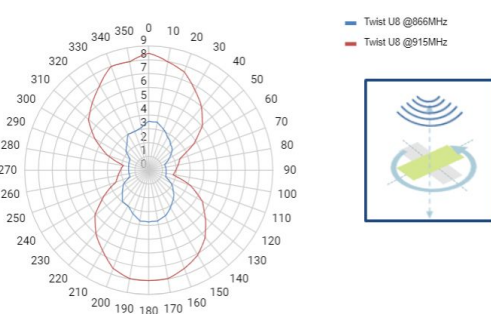
Avery Dennison inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs.

Technical features

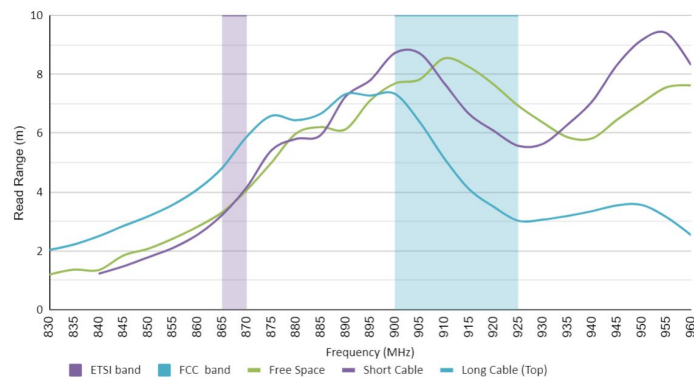
Chip	NXP Ucode 8
Chip Attachment Technology	Direct Chip Attach
EPC and User Memory	128-bit and n/a
TID Memory	96-bit / 48-bit unique serial number
Product Code*	3009495 / IL-609295
Delivery Format	Wet inlay
Die-Cut Dimension	25 x 25 mm / 0.984 x 0.984 in
Inlay Substrate	PET
Face Sheet	-
Standard Pitch	28 mm / 1.102 in
Web Width	30 mm / 1.181 in
Core Size	76 mm / 3 in
Quantity / Reel	10,000 pcs/reel TBD
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F

*Other product codes available upon request.

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:



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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.

