

AD-320u7 ETSI

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7

Antenna Dimensions

41 x 16 mm / 1.63 x 0.63 in

International Standard

ISO/IEC 18000-63 Type C

Industry Segments

Apparel
Logistics
Healthcare

Applications

Supply Chain Management
Home Essentials
Inventory and Logistics

RoHs

EU Directive 2011/65/EU and
2015/863 Compliant



Meeting the challenges retail and supply chain pose

AD-320u7 inlays from Avery Dennison are designed for a broad range of applications related to supply chain, inventory and logistics, apparel and other item-level retail, and to pharmaceutical and healthcare products.

Built for the UHF frequency band, the inlays are available in specific designs for use with FCC and ETSI frequency bands. Both designs feature a 41,4 x 16 mm antenna with reliable broadband performance (860-930 MHz).

AD-320u7 inlays are equipped with a UCODE 7 ICs from NXP, featuring 128-bit of EPC memory and a 96-bit factory-locked TID memory. A 48-bit unique serial number is factory-encoded into the TID. While the ETSI design is available in Paper Label delivery format only, the FCC design is available for delivery in both Wet Inlay and Paper Label formats.

Like all RFID products from Avery Dennison, AD-320u7 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 7
EPC and User Memory	128-bit and n/a
TID Memory	96-bit / 48-bit unique serial number
Product Code	RF100325
Delivery Format	Label / sticker
Die-cut Dimension	44 x 19 mm / 1.75 x 0.75 in
Inlay Substrate	5pt Integrity
Total Thickness	10 - 13 mils / 254 - 330 microns
Standard Pitch	38.1 mm / 1.5 in
Web Width	50 mm / 2 in
Core Size	76 mm / 3 in
Quantity / Reel	3480 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F
On-Metal	Non metal
Certificate	ARC

Contact information

rfid.averydennison.com/contact

North America: +1-866-903-7343 (toll free US)

International: +1-678-617-2359

RoHS

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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.



AD-320u7 FCC

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

NXP UCODE 7

Antenna Dimensions

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International Standard

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Industry Segments

Apparel
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Technical features

Chip	NXP UCODE 7
EPC and User Memory	128-bit and 32-bit
TID Memory	96-bit / 48-bit unique serial number
Product Code	RF100229
Delivery Format	Label / sticker
Die-cut Dimension	44 x 19 mm / 1.75 x 0.75 in
Inlay Substrate	5pt Integrity
Total Thickness	14 - 16 mils / 368 - 419 microns
Standard Pitch	22.23 mm / 0.875 in
Web Width	50 mm / 2 in
Core Size	76 mm / 3 in
Quantity / Reel	5966 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F
On-Metal	Non metal
Certificate	ARC

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