AD-383u7 NEL

Overview

Frequency Band
UHF 860 – 960 MHz

Chip
NXP UCODE 7

Antenna Dimensions
30 x 50 mm / 1.18 x 1.97 in

International Standard
ISO/IEC 18000-63 Type C

Industry Segments
Apparel
Logistics

Applications
Supply Chain Management
Home Essentials
Brand Protection

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

Superior read range on a wide range of dielectrics

AD-383u7 NEL from Avery Dennison is a high performing inlay suitable for a wide variety of RFID tagging applications. The product features the UCODE 7 chip by NXP.

The Gen2 UHF RAIN RFID inlay perfectly integrates with a wide variety of RFID tagging applications, including supply chain, inventory & logistics, apparel and home essentials.

AD-383u7 is equipped with the UCODE 7 IC from NXP, featuring 128-bit of EPC memory and 96-bit TID memory, pre-encoded for multi-vendor chip (MCS) based serialization. The product is also available in wide-edge leading format. Delivery formats include Dry Inlay, Wet Inlay and Pressure Sensitive Label.

Like all RFID products from Avery Dennison Intelligent Labels, AD-383u7 NEL 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.

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rfid.averydennison.com

Technical features

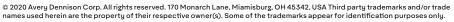|		
Chip	NXP UCODE 7	
EPC and User Memory	128–bit and n/a	
TID Memory	96–bit / 48–bit unique serial number	
Product Code	RF600459	RF600460
Delivery Format	Dry inlay	Wet inlay
Die-cut Dimension	–	34 x 54 mm / 1.34 x 2.13 in
Inlay Substrate	PET	
Total Thickness	10 – 12 mils / 261 – 312 microns	12 – 14 mils / 300 – 350 microns
Standard Pitch	63.5 mm / 2.5 in	
Web Width	38 mm / 2 in	
Core Size	76 mm / 3 in	
Quantity / Reel	15000 pcs/reel	7500 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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AD-383u7 WEL

Overview

Frequency Band
UHF 860 – 960 MHz

Chip
NXP UCODE 7

Antenna Dimensions
50 x 30 mm / 1.97 x 1.18 in

International Standard
ISO/IEC 18000-63 Type C

Industry Segments
Apparel
Logistics

Applications
Supply Chain Management
Home Essentials
Brand Protection

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

Superior read range on a wide range of dielectrics

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AD-383u7 is equipped with the UCODE 7 IC from NXP, featuring 128-bit of EPC memory and 96-bit TID memory, pre-encoded for multi-vendor chip (MCS) based serialization. The product is also available in a narrow-edge leading format. Delivery formats include Dry Inlay, Wet Inlay and Pressure Sensitive Label.

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Technical features

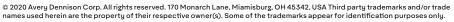|			
Chip	NXP UCODE 7		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit		
Product Code	RF600527	RF600465	RF100350
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-cut Dimension	-	54 x 34 mm / 2.13 x 1.34 in	57 x 38 mm / 2.25 x 1.50 in
Inlay Substrate	PET		
Face Sheet	-	-	TT2C (FASSON®) Bright White
Total Thickness	9 - 11 mils / 229 - 279 microns	10 - 12 mils / 254 - 305 microns	15 - 17 mils / 389 - 439 microns
Standard Pitch	38.1 mm / 1.5 in	38.1 mm / 1.5 in	50.8 mm / 2 in
Web Width	54 mm / 2 in	58 mm / 2 in	61.2 mm / 2 in
Core Size	76 mm / 3 in		
Quantity / Reel	15000 pcs/reel	10000 pcs/reel	2489 pcs/reel
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC		

Contact information
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RoHS

Warranty: Please refer to Avery Dennison Intelligent Labels 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.

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