

# AD-383u7 NEL

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 7

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**Antenna Dimensions**

30 x 50 mm / 1.18 x 1.97 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel  
Logistics

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**Applications**

Supply Chain Management  
Home Essentials  
Brand Protection

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**RoHs**

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

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## 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 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, 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.

## 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](http://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](http://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-383u7 WEL

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip**

NXP UCODE 7

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**Antenna Dimensions**

50 x 30 mm / 1.97 x 1.18 in

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**International Standard**

ISO/IEC 18000-63 Type C

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**Industry Segments**

Apparel  
Logistics

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**Applications**

Supply Chain Management  
Home Essentials  
Brand Protection

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**RoHs**

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

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## Superior read range on a wide range of dielectrics

AD-383u7 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 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 a narrow-edge leading format. Delivery formats include Dry Inlay, Wet Inlay and Pressure Sensitive Label.

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## Technical features

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

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