AD-370u7 NEL

Overview

Frequency Band
UHF 860 – 960 MHz

Chip
NXP UCODE 7

Antenna Dimensions
19 x 53 mm / 0.75 x 2.09 in

International Standard
ISO/IEC 18000-63 Type C
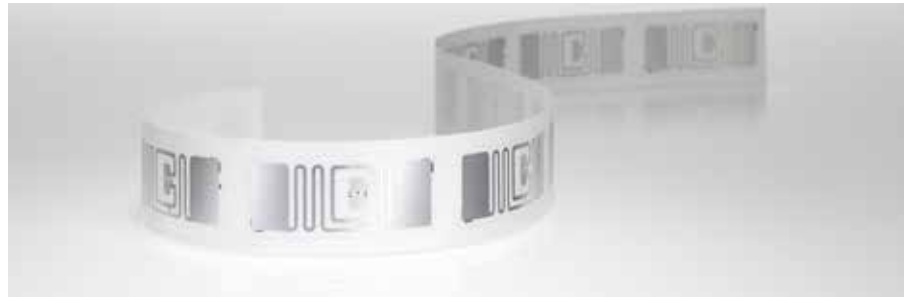
Industry Segments
Apparel
Logistics

Applications
Home Essentials
Supply Chain Management

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

Ideal for apparel and many other items

AD-370u7 NEL inlays from Avery Dennison are designed for tagging a broad range of retail items, particularly apparel. They are also well suited for applications related to supply chain, inventory and logistics.

Built for the UHF frequency band, the inlays features a 19 x 53 mm antenna with global broadband performance (860-930 MHz) for reliable operation on a broad range of surfaces and materials.

AD-370u7 inlays are equipped with the UCODE 7 ICs from NXP, featuring 128-bit of EPC memory and 96-bit TID memory, with a 48-bit unique serial number factory-encoded. The product is also available in wide-edge leading (WEL) format. Delivery formats include Dry Inlay, Wet Inlay and Pressure Sensitive Label.

Like all RFID products from Avery Dennison, AD-370u7 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.

AVERY DENNISON

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	RF600425	RF600544	RF100251
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-cut Dimension	-	22 x 56 mm / 0.87 x 2.21 in	25 x 57 mm / 1 x 2.25 in
Inlay Substrate	PET	PET	5pt Integrity
Total Thickness	10 – 12 mils / 261 – 312 microns	12 – 14 mils / 300 – 350 microns	16 – 18 mils / 399 – 450 microns
Standard Pitch	63.5 mm / 2.5 in	63.5 mm / 2.5 in	69.85 mm / 2.75 in
Web Width	31.8 mm / 1 in	31.8 mm / 1 in	30.5 mm / 1 in
Core Size	76 mm / 3 in		
Quantity / Reel	12500 pcs/reel	11000 pcs/reel	1769 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

AVERY DENNISON

AD-370u7 WEL

Overview

Frequency Band
UHF 860 – 960 MHz

Chip
NXP UCODE 7

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
2015/863 Compliant

Ideal for apparel and many other items

AD-370u7 inlays from Avery Dennison are designed for tagging a broad range of retail items, particularly apparel. 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-370u7 inlays are equipped with a UCODE 7 ICs from NXP, featuring 128-bit of EPC memory and 96-bit TID memory, with a 48-bit unique serial number factory-encoded. The product is also available in narrow-edge leading (NEL) format. Delivery formats include Dry Inlay, Wet Inlay and Pressure Sensitive Label.

Like all RFID products from Avery Dennison, AD-370u7 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.

AVERY DENNISON

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	RF600902	RF600740	RF100357
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-cut Dimension	-	56 x 22 mm / 2.21 x 0.87 in	57 x 25 mm / 2.25 x 1 in
Inlay Substrate	40# SC Paper		
Face Sheet	-	-	55# TT2C Bright White
Total Thickness	11 - 13 mils / 270 - 320 microns	14 - 16 mils / 349 - 400 microns	15 - 17 mils / 389 - 439 microns
Standard Pitch	25.4 mm / 1 in	25.4 mm / 1 in	38.1 mm / 1.5 in
Web Width	56 mm / 2 in	60.5 mm / 2 in	63.5 mm / 3 in
Core Size	76 mm / 3 in		
Quantity / Reel	30000 pcs/reel	17500 pcs/reel	3319 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

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.

AVERY DENNISON