



RFID

UHF RFID Inlays

AD-324u8 ETSI



Dimensions	41.4 x 16 mm
Operating Frequency	Global (860 – 960 MHz)
RF Protocol	ISO-18000-6C, EPC Class 1, Gen 2
Chip	NXP UCODE 8
EPC Memory	128 bit
TID Memory	96-bit Tag Identifier (TID) factory locked 48-bit unique serial number factory-encoded into TID

Common Applications

Apparel
Supply Chain, Inventory and Logistics
Pharmaceutical & Healthcare

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PART NUMBER	RF601063	RF601064	RF100472
Format	Dry Inlay	Wet Inlay	Paper Label
Antenna dimensions (CDxMD)	1.629 x 0.629 in (41.4 x 16 mm)	1.629 x 0.629 in (41.4 x 16 mm)	1.629 x 0.629 in (41.4 x 16 mm)
Die-cut dimensions	N/A	1.755 x 0.755 in (44.58 x 19.12 mm)	1.75 x 0.75 in (44.45 x 19.05 mm)
Inlay substrate material	White PET	White PET	N/A
Inlay-to-liner adhesive	N/A	S-490	S-490
Liner material	N/A	1.5M Clear PET	40# SCK
Face Sheet	N/A	N/A	55# TT2C Bright White
Standard pitch	1.0 in (25.4 mm)	1.0 in (25.4 mm)	1.5 in (38.1 mm)
Standard web width	2.0 in (50.8 mm)	2.0 in (50.8 mm)	2.0 in (50.8 mm)
Total thickness over chip	10.6–12.6 mils (268-319 microns)	12.1-14.1 mils (306-357 microns)	14.5-16.5 mils (368-418 microns)
Operating temperature	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)
RoHS	EU Directive 2011/65/EU Compliant	EU Directive 2011/65/EU Compliant	EU Directive 2011/65/EU Compliant
Quality assurance	100% read tested with out of tolerance inlay(s) being marked	100% read tested with out of tolerance inlay(s) being marked	100% read tested with out of tolerance inlay(s) being marked
Un-wind direction	Inlay-side Out	PS Inlay-side Out	Label-side Out
Core size with adaptor insert	3 in (76.2 mm)	3 in (76.2 mm)	3 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	15.25 in (387.35 mm)	13 in (330.2 mm)	15.25 in (387.35 mm)
Average # of units per roll	20,000 good +/- 10%	20,000 good +/- 10%	13,500 good +/- 10%
Rev	02	02	02

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.

Warranty: Please refer to Avery Dennison RFID standard terms and conditions.

Product Information: 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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