



RFID

UHF RFID Inlays

AD-320u7

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 7
EPC Memory	128 bit
TID Memory	96-bit Tag Identifier (TID) factory locked 48-bit unique serial number factory-encoded into TID

Common ApplicationsSupply Chain, Inventory and Logistics
Apparel & RetailToll free US 866-903- RFID (7343) / rfid.info@averydennison.com

International +1-770-965-0807

PART NUMBER	RF600729 FCC	RF100307 FCC	RF100325 ETSI
Format	Wet Inlay	Paper Label	Paper Label
Antenna dimensions (CDxMD)	1.63 x 0.63 in (41.4 x 16mm)	1.63 x 0.63 in (41.4 x 16mm)	1.63 x 0.63 in (41.4 x 16mm)
Die-cut dimensions	1.71 x 0.71 in (43.5 x 18mm)	1.75 x 0.75 in (44.5 x 19.05mm)	1.75 x 0.75 in (44.5 x 19.05mm)
Inlay substrate material	Clear PET	5pt Paper	5pt Paper
Inlay-to-liner adhesive	S-490	S-490	S-490
Liner material	N/A	40# SCK	40# SCK
Face Sheet	N/A	N/A	N/A
Standard pitch	0.875 in (22.3 mm)	1.5 in (38.1 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	10-12 mils (254-304.8 microns)	10-13 mils (254-330.2 microns)	10-13 mils (254-330.2 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-of- tolerance inlay marked	100% read tested with-of- tolerance inlay marked	100% read tested with-of- tolerance inlay marked
Un-wind direction	PS Inlay-side Out	Label-side Out	Label-side Out
Core size with adaptor insert	3 in (76.2 mm) No Foam on Core	3 in (76.2 mm) No Foam on Core	3 in (76.2 mm) No Foam on Core
Maximum roll outer diameter (not to exceed)	15.375 in (390.5 mm)	15.25 in (387.4 mm)	15.25 in (387.4 mm)
Average # of units per roll	17,500 good +/- 10%	13,500 good +/- 10%	13,500 good +/- 10%
Rev	00	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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