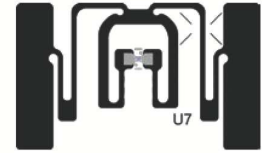




RFID

UHF RFID Inlays
AD-383u7



Dimensions 1.969 x 1.181 in [50 x 30mm]
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, pre-encoded for multi-vendor chip (MCS) based serialization

Common Applications
 Apparel and Retail
 Supply Chain, Inventory & Logistics

PART NUMBER	600527	600465	RF100376	RF100350
Format	Dry Inlay	Wet Inlay	Paper Label	Paper Label
Antenna dimensions (CD x MD)	1.969 x 1.181 in [50 x 30mm]	1.969 x 1.181 in [50 x 30mm]	1.969 x 1.181 in [50 x 30mm]	1.969 x 1.181 in [50 x 30mm]
Die-cut dimensions	N/A	2.126 x 1.34 in [54 x 34.01mm] □	2.25 x 1.5 in [57.15 x 38.1mm] □	2.25 x 1.5 in [57.15 x 38.1mm] □
Inlay substrate material	PET	PET	N/A	PET
Inlay-to-liner adhesive	N/A	S-490 (FASSON)	S-490 (FASSON)	S-490 (FASSON)
Liner material	N/A	1.5M Clear PET	40# SCK (FASSON)	40# SCK (FASSON)
Face Sheet	N/A	N/A	55# TT2C (FASSON) Bright White	55# TT2C (FASSON) Bright White
Standard pitch	1.50 in [38.1mm]	1.50 in [38.1mm]	2 in [38.1mm]	2 in [38.1mm]
Standard web width	2.126 in [54mm]	2.284 in [58mm]	2.409 in [61.19mm]	2.409 in [61.19mm]
Total thickness over chip	9-10 mils (229-254 microns)	10-12 mils (254-305 microns)	10-13 mils (254-330.2 microns)	10-13 mils (254-330.2 microns)
Operating temperature	-40 to 185 F [-40 to 85 C]	-40 to 185 F [-40 to 85 C]	-40 to 185 F [-40 to 85 C]	-40 to 185 F [-40 to 85 C]
RoHS	EU Directive 2011/65/EU Compliant	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	100% read tested with-of-tolerance inlay marked
Un-wind direction	Inlay-side Out	PS Inlay-side Out	Label-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]	3 in [76.2 mm]
Maximum roll outer diameter (not to exceed)	13 in [330.2 mm]	13 in [330.2 mm]	15.25 in [387.4 mm]	15.25 in [387.4 mm]
Average # of units per roll	15,000 good +/- 10%	10,000 good +/- 10%	2,300 good +/- 10%	8,500 good +/- 10%
Rev	00	00	00	00

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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