



RFID

UHF RFID Inlays

AD-227m5

Dimensions	3.741 x 0.326 in [95.03 x 8.15 mm]
Operating Frequency	Global (860 – 960 MHz)
RF Protocol	ISO-18000-6C, EPC Class 1, Gen 2
Chip	Imping Monza 5
EPC Memory	128 bit
TID Memory	48-bit unique serialized TID number
USER Memory	32 bit

Common Applications

Item Level Retail & Apparel
Supply Chain, Inventory & Logistics
Returnable Transport Units (RTUs)

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PART NUMBER	600367 600375 [Reverse Wind]	600366 [Wide Web]	600368
Format	Dry Inlay	Dry Inlay	Wet Inlay
Antenna dimensions (CD x MD)	3.741 x 0.326 in [95.03 x 8.15 mm]	3.741 x 0.326 in [95.03 x 8.15 mm]	3.741 x 0.326 in [95.03 x 8.15 mm]
Die-cut dimensions	N/A	N/A	3.885 x 0.44 in [98.7 x 11.2 mm]
Inlay substrate material	PET	PET	PET
Inlay-to-liner adhesive	N/A	N/A	S-490 (FASSON)
Liner material	N/A	N/A	1.5M Clear PET
Face Sheet	N/A	N/A	N/A
Standard pitch	0.625 in [15.88 mm]	0.625 in [15.88 mm]	0.625 in [15.88 mm]
Standard web width	3.875 in [98.43 mm]	4.75 in [120.65 mm]	4.125 in [104.78 mm]
Total thickness over chip	10-13 mils [254-330.2 microns]	10-13 mils [254-330.2 microns]	14-17 mils [356-431.8 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]
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	Inlay-side Out	Inlay-side Out	PS Inlay-side Out
Core size with adaptor insert	6 in [152 mm]	6 in [152 mm]	3 in [76 mm]
Maximum roll outer diameter (not to exceed)	12 in [304 mm]	12 in [304 mm]	12 in [304 mm]
Average # of units per roll	20,000 good +/- 10%	20,000 good +/- 10%	20,000 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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