

UHF RFID Inlays

AD-227m5



Dimensions:

Operating Frequency: Global (860-960MHz)

RF Protocol: ISO-18000-6C, EPC Gen 2 compliant

Chip: Impinj® Monza® 5

EPC Memory: 128 bit

TID Memory: 48 bits of serialized TID

Common Applications:

- Apparel and Retail
- Supply Chain, Inventory and Logistics

866-903- RFID (7343) / rfd.info@averydennison.com

Part Number	600366	600367	600368	600375
Format	Dry Inlay - Wide Web	Dry Inlay	PS Inlay	Dry Inlay - Reverse Wind
Antenna dimensions (CDxMD)	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]	3.741 x 0.326 in [95.03 x 8.15 mm]
Die- cut dimensions	na	na	3.885 x 0.44 in [98.7 x 11.2 mm]	na
Inlay substrate material	PET	PET	PET	PET
Inlay- to- liner adhesive	na	na	Fasson S-490	na
Liner material	na	na	PET	na
Face sheet	na	na	na	na
Standard pitch	0.625 in [15.88 mm]	0.625 in [15.88 mm]	0.625 in [15.88 mm]	0.625 in [15.88 mm]
Standard web width	4.75 in [120.65 mm]	3.875 in [98.43 mm]	4.125 in [104.78 mm]	3.875 in [120.65 mm]
Total thickness over chip	N/ A	N/ A	N/ A	N/ A
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	Designed to comply with EU Directive 2011/65/ EU	Designed to comply with EU Directive 2011/65/ EU	Designed to comply with EU Directive 2011/65/ EU	Designed to comply with EU Directive 2011/65/ EU
Quality assurance	100% read tested with out-of-tolerance inlay marked	100% read tested with out-of-tolerance inlay marked	100% read tested with out-of-tolerance inlay marked	100% read tested with out-of-tolerance inlay marked
Un- wind direction	Inlay side- out	Inlay side- out	Inlay side- out	Inlay side- out
Core size with adaptor insert	6 in [152 mm]	6 in [152 mm]	3 in [76 mm]	6 in [152 mm]
Maximum roll outer diameter (not to exceed)	12 in [304 mm]	12 in [304 mm]	12 in [304 mm]	12 in [304 mm]
Average # of units per roll	20000	20000	20000	20000
Rev	01	01	01	01

CARE AND HANDLING RFID inlays are sensitive to ESD. Observe standard practices to keep environmental 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. 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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