



UHF RFID Inlays

AD-381m5 Preliminary

Narrow Edge Leading

Dimensions: 1.181 x 1.969 in (30 x 50 mm)
Operating Frequency: Global (860 - 960MHz)
RF Protocol: ISO-18000-6C, EPC Class 1 Gen 2
Chip: Impinj Monza 5
EPC Memory: 128 bits
TID Memory: 48 bit serialized, factory programmed and locked

Common Applications:
 Apparel and Retail
 Shoes

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Part Number	600395	600396
Format	Dry Inlay	Wet Inlay (pressure sensitive)
Antenna dimensions (CDxMD)	1.181 x 1.969 in [30 x 50mm]	1.181 x 1.969 in [30 x 50mm]
Die- cut dimensions	N/A	1.34 x 2.126 in [34.01 x 54 mm]
Inlay substrate material	PET	PET
Inlay- to- liner adhesive	N/A	S-490 (FASSON)
Liner material	N/A	N/A
Face sheet	N/A	1.5M Clear PET
Standard pitch	2.50in [63.5mm]	2.50in[63.5mm]
Standard web width	1.50in [38.1mm]	1.50in [38.1mm]
Total thickness over chip	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]
RoHS	EU Directive 2011/65/EU	EU Directive 2011/65/EU
Quality assurance	Compliant 100% read tested with out- of tolerance inlay marked	Compliant 100% read tested with out- of tolerance inlay marked
Un- wind direction	Inlay - side Out	Inlay - side Out
Core size with adaptor insert	3 in [76.2mm]	3 in [76.2mm]
Maximum roll outer diameter (not to exceed)	17in [431.8mm]	13 in [330.2mm]
Average # of units per roll	15,000 good	7,500 good
Rev	00	00

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.

PRODUCT CHANGES Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice.

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