

UHF RFID Inlays

AD-318m5



Dimensions:

Operating Frequency: Global (860 - 960MHz)

RF Protocol: ISO-18000-6C, EPC Class 1 Gen 2

Chip: Impinj Monza 5

EPC Memory: 128 bit

TID Memory: 96 bits with 48 bit unique serial number

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Common Applications:

- Apparel and Retail

Part Number	600423	600424
Format	Dry Inlay	Wet (pressure sensitive)
Antenna dimensions (CDxMD)	1.63 x 0.63 in [41.4 x 16 mm]	1.63 x 0.63 in [41.4 x 16 mm]
Die- cut dimensions	N/ A	1.75 x 0.75 in [44.45 x 19.05 mm]
Inlay substrate material	PET	PET
Inlay- to- liner adhesive	N/ A	S-490 (FASSON)
Liner material	N/ A	1.5M Clear PET
Face sheet	N/ A	N/ A
Standard pitch	1.0 in [25.4mm]	1.0 in [25.4mm]
Standard web width	2.0 in [50.8mm]	2.0 in [50.8 mm]
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 Compliant	EU Directive 2011/65/ EU Compliant
Quality assurance	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
Core size with adaptor insert	3 in [76.2 mm]	3 in [76.2mm]
Maximum roll outer diameter (not to exceed)	15.38in [390.65 mm]	13 in [330.2 mm]
Average # of units per roll	40,000 good	20,000 good
Rev	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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