

UHF RFID Inlays

AD-171m5



Dimensions:

Operating Frequency: Global (860 — 960 MHz)

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
- Pharmaceutical and Healthcare

Part Number	600385	600386
Format	Dry Inlay	Wet Inlay
Antenna dimensions (CDxMD)	1.063 x 0.551 in [27 x 14mm]	1.063 x 0.551 in [27 x 14 mm]
Die- cut dimensions	N/ A	1.2 x 0.7 in [30.5 x 17.8 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	1.5 in [38.1 mm]	1.5 in [38.1 mm]
Standard web width	1.45 in [36.83 mm]	1.45 in [36.83 mm]
Total thickness over chip	10-13 mils [254-330.2 microns]	14-17 mils [356-431.8 microns]
Operating temperature	-40 to 185F [-40 to 85C]	-40 to 185 F [-40 to 85 C]
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] w/ foam on core	3 in [76.2 mm]
Maximum roll outer diameter (not to exceed)	13 in [330.2mm]	13 in [330.2 mm]
Average # of units per roll	15,000 good	15,000 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.

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