



RFID

UHF RFID Inlays

AD-550m5



Dimensions	1.496 x 2.992 in [38 x 76 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

Aviation
Supply Chain, Inventory & Logistics

PART NUMBER	RF600381	RF600382
Format	Dry Inlay	Wet Inlay
Antenna dimensions (CD x MD)	1.496 x 2.992 in [38 x 76 mm]	1.496 x 2.992 in [38 x 76 mm]
Die-cut dimensions	N/A	1.621 x 3.117 in [41 x 79 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	3.75 in [95.25 mm]	3.75 in [95.25 mm]
Standard web width	1.772 in [45 mm]	1.772 in [45 mm]
Total thickness over chip	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]
RoHS	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
Un-wind direction	Inlay-side Out	PS Inlay-side Out
Core size with adaptor insert	3 in [76.2 mm]	3 in [76.2 mm]
Maximum roll outer diameter (not to exceed)	15.38 in [390.53 mm]	13 in [330.2 mm]
Average # of units per roll	10,500 good +/- 10%	5,000 good +/- 10%
Rev	01	01

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.

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