



RFID

UHF RFID Inlays

AD-380iM



Dimensions	1.97 x 1.18 in (50 x 30mm)
Operating Frequency	Global (860 – 960 MHz)
RF Protocol	ISO-18000-6C, EPC Class 1, Gen 2
Chip	NXP UCODE G2iM
EPC Memory	256 bits plus 512 bits User Memory
TID Memory	96 bits with 48 bit unique serial number

Common Applications
Supply Chain, Inventory and Logistics

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PART NUMBER	600612	600660
Format	Dry Inlay	PS Inlay
Antenna dimensions (CDxMD)	1.97 x 1.18 in (50 x 30mm)	1.97 x 1.18 in (50 x 30mm)
Die-cut dimensions	N/A	2.13 x 1.34 in (54 x 34mm)
Inlay substrate material	PET	PET
Inlay-to-liner adhesive	N/A	S-490 (FASSON)
Liner material	N/A	40# SCK
Face Sheet	N/A	N/A
Standard pitch	1.5 in (38.1mm)	1.5 in (38.1 mm)
Standard web width	2.126 in (54mm)	2.284 in (58 mm)
Total thickness over chip	9-10 mils (229 – 254 microns)	10-12 mils (254 – 305 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 (76.2mm)	3 in (76.2mm)
Maximum roll outer diameter (not to exceed)	13 in (330.2mm)	13 in (330.2mm)
Average # of units per roll	15,000 verified	10,000 verified
Rev	00	00

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.

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