



RFID

# UHF RFID Inlays

## AD-380iM



<b>Dimensions</b>	1.97 x 1.18 in (50 x 30mm)
<b>Operating Frequency</b>	Global (860 – 960 MHz)
<b>RF Protocol</b>	ISO-18000-6C, EPC Class 1, Gen 2
<b>Chip</b>	NXP UCODE G2iM
<b>EPC Memory</b>	256 bits
<b>USER Memory</b>	512 bits
<b>TID Memory</b>	96 bits [includes perma-locked unique 48 bit serial number; 16 bit unalterable XTID header]

**Common Applications**

Supply Chain, Inventory and Logistics

PART NUMBER	RF600612	RF600660
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	10 - 13 mils (254-330.2 microns)	14-17 mils (356-431.8 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) OD side plates	13 in (330.2mm) OD side plates
Average # of units per roll	15,000 verified	10,000 verified
Rev	02	02

**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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