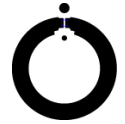




RFID

UHF RFID Inlays

**AD-850m4QT**

<b>Dimensions</b>	10.3 mm Diameter
<b>Operating Frequency</b>	Global (860 – 960 MHz)
<b>RF Protocol</b>	ISO-18000-6C, EPC Class 1, Gen 2
<b>Chip</b>	Impinj Monza 4QT
<b>EPC Memory</b>	128 bit
<b>USER Memory</b>	512 bit
<b>TID Memory</b>	48-bit unique serialized TID Number

**Common Applications**  
 Pharmaceutical & Healthcare  
 Near Field Applications

Toll free US 866-903- RFID (7343) / [rfid.info@averydennison.com](mailto:rfid.info@averydennison.com)  
 International +1-770-965-0807

PART NUMBER	RF601090	RF601091
Format	Dry Inlay	PS Inlay
Antenna dimensions (CDxMD)	0.406 in Diameter (10.3 mm Diameter)	0.406 in Diameter (10.3 mm Diameter)
Die-cut dimensions	N/A	0.5305 in Diameter (13.48 mm Diameter)
Inlay substrate material	Clear PET	Clear PET
Inlay-to-liner adhesive	N/A	S-490 (FASSON)
Liner material	N/A	1.5 PET
Face Sheet	N/A	N/A
Standard pitch	0.9375 in (23.81 mm)	0.9375 in (23.81 mm)
Standard web width	1.0 in (25.4mm)	1.0 in (25.4mm)
Total thickness over chip	4.8 – 6.8 mil (123 - 173 micron)	6.3 – 8.3 mil (161 - 212 micron)
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 out of tolerance inlay(s) being marked	100% read tested with out of tolerance inlay(s) being 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)	15.375 in (390.1 mm)	15.375 in (390.1 mm)
Average # of units per roll	TBD	TBD
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.  
<https://rfid.averydennison.com/en/home/general-terms-and-conditions-of-sale.html>

**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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