

UHF RFID Inlays

# AD-110m5



**Dimensions:** 0.91 x 0.20 in [23 x 5 mm]

**Operating Frequency:** Global (860 - 960MHz)

**RF Protocol:** ISO-18000-6C, EPC Class 1 Gen 2

**Chip:** Impinj® Monza® 5

**EPC Memory:** 128 bits

**TID Memory:** 96 bits with 48 bit unique serial number

866-903- RFID (7343) / [rfid.info@averydennison.com](mailto:rfid.info@averydennison.com)

**Characteristics:**

- 1/3rd smaller than comparable tags (total size)
- Insensitive to many RF- unfriendly materials
- Ideal for embedding at the point of product manufacture
- Impinj® Monza® 5 chip provides high read sensitivity and read/ write speed

**Common Applications:**

- Pharmaceutical and Healthcare

Part Number	600298	600300
Format	Dry inlay	Wet (pressure- sensitive) inlay
Antenna dimensions (CDxMD)	0.91 x 0.20 in [23 x 5 mm]	0.91 x 0.20 in [23 x 5 mm]
Die- cut dimensions	N/ A	1.02 x 0.315 in [26 x 8 mm]
Inlay substrate material	PET	PET
Inlay- to- liner adhesive	N/ A	S-490 (Fasson)
Liner material	N/ A	Clear PET
Face sheet	N/ A	N/ A
Standard pitch	1 in [25.4 mm]	1 in [25.4 mm]
Standard web width	1.535 in [39 mm]	1.535 in [39 mm]
Total thickness over chip	7.5 mils [189 microns]	9.6 mils [244 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 2011/65EU 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]	3 in [76.2 mm]
Maximum roll outer diameter (not to exceed)	13 in [330 mm]	13 in [330 mm]
Average # of units per roll	20,000	15,000
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.

**PRODUCT CHANGES** Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice.

**TRADEMARK STATEMENT** Avery Dennison, S490 and Fasson are trademarks of Avery Dennison Corporation. For the most recent information on Avery Dennison products, visit [www.rfid.averydennison.com](http://www.rfid.averydennison.com).