



RFID

UHF RFID Inlays

**AD-370u7**

**Dimensions** 53 x 19 mm  
**Operating Frequency** Global (860 – 960 MHz)  
**RF Protocol** ISO-18000-6C, EPC Class 1, Gen 2  
**Chip** NXP UCODE 7  
**EPC Memory** 128 bit  
**TID Memory** 96-bit Tag Identifier (TID) factory locked  
 48-bit unique serial number factory-encoded into TID

**Common Applications**  
 Supply Chain, Inventory and Logistics  
 Apparel & Retail

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PART NUMBER	RF600902	RF600740	RF100357
Format	Dry Inlay	Wet Inlay	Label
Antenna dimensions (CDxMD)	2.087 x 0.748 in (53 x 19 mm)	2.087 x 0.748 in (53 x 19 mm)	2.087 x 0.748 in (53 x 19 mm)
Die-cut dimensions	N/A	2.205 x 0.866 in (56 x 22 mm)	2.25 x 1.0 in (57.15 x 25.4 mm)
Inlay substrate material	40# DC Paper	40# DC Paper	40# SC Paper
Inlay-to-liner adhesive	N/A	Permanent	Permanent
Liner material	N/A	Glassine	Glassine
Face Sheet	N/A	N/A	55# TT2C Bright White
Standard pitch	1.0 in (25.4 mm)	1.0 in (25.4 mm)	1.5 in (38.1 mm)
Standard web width	2.205 in (56 mm)	2.38 in (60.45 mm)	2.5 in (63.5 mm)
Total thickness over chip	10.8 – 12.8 mils (274-324 microns)	13.7 – 15.7 mils (348-399 microns)	15.3 – 17.3 mils (389–439 microns)
Operating temperature	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)
RoHS	EU Directive 2015/863 Compliant	EU Directive 2015/863 Compliant	EU Directive 2015/863 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	100% read tested with out-of-tolerance inlay(s) being marked
Un-wind direction	Inlay-Side Out	PS Inlay-side Out	Label-side Out
Core size with adaptor insert	3 in (76.2 mm)	3 in (76.2 mm)	3 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	13 in (330.2 mm)	17 in (431.8 mm)	8 in (390.5 mm)
Average # of units per roll	30,000 good +/- 10%	17,500 good +/- 10%	3,319 good +/- 10%
Rev	01	01	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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