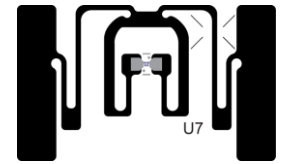




RFID

UHF RFID Inlays

**AD-383u7 WEL**

<b>Dimensions</b>	50 x 30 mm
<b>Operating Frequency</b>	Global (860 – 960 MHz)
<b>RF Protocol</b>	ISO/IEC 18000-63 Type C
<b>Chip</b>	NXP UCODE 7
<b>EPC Memory</b>	128 bit
<b>TID Memory</b>	96-bit, pre-encoded for multi-vendor chip (MCS) based serialization

**Common Applications**

Apparel and Retail  
Supply Chain, Inventory & Logistics

Toll free US 866-903-RFID (7343) / [rfid.info@averydennison.com](mailto:rfid.info@averydennison.com)  
International +1-678-617-2359

PART NUMBER	RF600527	RF600465	RF100350
Format	Dry Inlay	Wet Inlay	Label
Antenna dimensions (CD x MD)	1.969 x 1.181 in (50 x 30mm)	1.969 x 1.181 in (50 x 30 mm)	1.969 x 1.181 in (50 x 30mm)
Die-cut dimensions	N/A	2.126 x 1.339 in [54 x 34 mm]	2.25 x 1.5 in (57.15 x 38.1 mm)
Inlay substrate material	PET	PET	PET
Inlay-to-liner adhesive	N/A	S-490 (FASSON®)	S-490 (FASSON®)
Liner material	N/A	PET	40# SCK (FASSON®)
Face Sheet	N/A	N/A	TT2C (FASSON®) Bright White
Standard pitch	1.5 in (38.1mm)	1.5 in (38.1 mm)	2.0 in (50.8 mm)
Standard web width	2.126 in [54mm]	2.284 in (58 mm)	2.409 in (61.19 mm)
Total thickness over chip	9-10 mils (229-254 microns)	10-12 mils (254-305 microns)	15.3--17.3 mils (388.62---439.42 microns)
Operating temperature	-40 to 185 F (-40 to 85 C)	-40 to 185 F (-40 to 85 C)	-40 to 185 F (-40 to 85 C)
RoHS	EU Directive 2011/65/EU Compliant and 2015/863 Compliant	EU Directive 2011/65/EU Compliant and 2015/863 Compliant	EU Directive 2011/65/EU Compliant and 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)	13.0 in (330.2 mm)	13 in (330.2 mm)	8 in (203.2 mm)
Average # of units per roll	15,000 good +/- 10%	10,000 good +/- 10%	2,489 +/- 10%
Rev	00	00	00

**Additional Information**

**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. Independent results may vary. Avery Dennison does not represent that this product is fit for any particular purpose or use and shall have no liability arising out of the use of this product. (<http://rfid.averydennison.com/en/home/testing-services.html>)  
Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice.  
--Not suitable for use in microwave ovens--

**Warranty:** Please refer to Avery Dennison RFID standard terms and conditions. <https://rfid.averydennison.com/en/home/general-terms-and-conditions-of-sale.html>

**Contact:** Toll free US 866-903- RFID (7343) | [rfid.info@averydennison.com](mailto:rfid.info@averydennison.com) | International +1-678-617-2359  
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