



RFID

UHF RFID Inlays

# AD-160u7



<b>Dimensions</b>	60 x 4 mm
<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 7
<b>EPC Memory</b>	128 bit
<b>TID Memory</b>	96-bit unique serialized TID Number

### Common Applications

Apparel and Retail  
Cosmetic

PART NUMBER	RF600529	100286
Format	Dry Inlay	Label
Antenna dimensions (CDxMD)	2.36 x 0.158 in (60 x 4 mm)	2.36 x 0.158 in (60 x 4 mm)
Die-cut dimensions	N/A	2.52 x 0.236 in (64 x 6 mm)
Inlay substrate material	Clear PET	Clear PET
Inlay-to-liner adhesive	N/A	S-490 (FASSON)
Liner material	N/A	40# SCK
Face Sheet	N/A	White BOPP
Standard pitch	1.0 in (25.4 mm)	1.0 in (25.4 mm)
Standard web width	3.25 in (82.55 mm)	2.77 in (70.35 mm)
Total thickness over chip	7-8 mils (178-202 microns)	10-13 mils (254-330 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-of-tolerance inlay marked	100% read tested with-of-tolerance inlay marked
Un-wind direction	Inlay Side Out	Label Side Out
Core size with adaptor insert	6 in (152.4 mm)	3 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	17 in (432.1 mm)	12 in (304.8 mm)
Average # of units per roll	30,000 good +/- 10%	10,000 good +/- 10%
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.

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