



RFID

UHF RFID Inlays
AD-160u7



Dimensions 60 x 4 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 unique serialized TID Number

Common Applications
 Apparel and Retail
 Cosmetic

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

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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