



RFID

UHF RFID Inlays
AD-229r6



Dimensions	95 x 7.88 mm
Operating Frequency	Global (860 – 960 MHz)
RF Protocol	ISO-18000-6C, EPC Class 1, Gen 2
Chip	Impinj Monza R6
EPC Memory	96 bit
TID Memory	96 bits with 48 bit unique serial number

Common Applications

Supply Chain, Inventory and Logistics
Apparel and other item-level retail

PART NUMBER	RF600591	RF600592	RF600593
Format	Dry Inlay – Wide Web	Dry Inlay	Wet Inlay
Antenna dimensions (CDxMD)	3.74 x 0.31 in (95 x 7.88 mm)	3.74 x 0.31 in (95 x 7.88 mm)	3.74 x 0.31 in (95 x 7.88 mm)
Die-cut dimensions	N/A	N/A	3.885 x 0.4 in (98.6 x 10.16 mm)
Inlay substrate material	White PET	White PET	White PET
Inlay-to-liner adhesive	N/A	N/A	S-490 (FASSON)
Liner material	N/A	N/A	40# SCK
Face Sheet	N/A	N/A	N/A
Standard pitch	0.625 in (15.875 mm)	0.625 in (15.875 mm)	0.625 in (15.875 mm)
Standard web width	4.75 in (120.65 mm)	3.875 in (98.425 mm)	4.125 (104.77 mm)
Total thickness over chip	9-11 mils (230-290 microns)	9-11 mils (230-290 microns)	9 -12 mils (220-300 microns)
Operating temperature	-40 to 185F (-40 to 85C)	-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	EU Directive 2011/65/EU Compliant
Quality assurance	100% read tested with-of-tolerance inlay marked	100% read tested with-of-tolerance inlay marked	100% read tested with-of-tolerance inlay marked
Un-wind direction	Inlay-side Out	Inlay-side Out	PS Inlay-side Out
Core size with adaptor insert	6 in (152.4 mm)	6 in (152.4 mm)	3 in (76.2mm)
Maximum roll outer diameter (not to exceed)	13 in (330.2 mm)	17 in (431.8 mm)	13 in (330.2mm)
Average # of units per roll	20,000 good +/- 10%	20,000 good +/- 10%	20,000 good
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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.

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