



Dimensions
Operating Frequency

95 x 8.15 mm

g Frequency Global (860 – 960 MHz)
RF Protocol ISO-18000-6C, EPC Class 1, Gen 2

Chip NXP G2iM EPC Memory 256 bit USER Memory 512 bit

TID Memory 96 bit [includes perma-locked unique 48 bit serial

number; 16 bit unalterable XTID header]

Common Applications

Apparel and Retail

General Purpose [extended memory requirements]

Supply Chain, Inventory & Logistics

Format Dry Inlay Wet Inlay Antenna dimensions (CDxMD) 3.74 x 0.32 in (95 x 8.15 mm) 3.74 x 0.32 in (95 x 8.15 mm) Die-cut dimensions N/A 3.885 x 0.44 in (98.7 x 11.2 mm) Inlay substrate material PET PET Inlay-to-liner adhesive N/A S-490 (FASSON) Liner material N/A 1.5mil Clear PET Face Sheet N/A N/A Standard pitch 0.625 in (15.875 mm) 0.625 in (15.875 mm) Standard web width 3.875 in (98.43 mm) 4.125 in (104.78 mm) Total thickness over chip 10 - 13 mils (254-330.2 microns) 14-17 mils (356-431.8 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 Inlay-side Out 1019y-side Out Core size with adaptor insert 6 in (152.4 mm) 3 in (76.2 mm) Maximum roll outer diameter (not to 13 in (330.2	PART NUMBER	600483	600456
Die-cut dimensions (95 x 8.15 mm) (95 x 8.15 mm) Die-cut dimensions N/A 3.885 x 0.44 in (98.7 x 11.2 mm) Inlay substrate material PET PET Inlay-to-liner adhesive N/A S-490 (FASSON) Liner material N/A 1.5mil Clear PET Face Sheet N/A N/A Standard pitch 0.625 in (15.875 mm) 0.625 in (15.875 mm) Standard web width 3.875 in (98.43 mm) 4.125 in (104.78 mm) Total thickness over chip 10 - 13 mils (254-330.2 microns) 14-17 mils (356-431.8 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 Inlay-side Out Core size with adaptor insert 6 in (152.4 mm) 3 in (76.2 mm) Maximum roll outer diameter (not to 13 in (330.2 mm) 13 in (330.2 mm)	Format	Dry Inlay	Wet Inlay
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Inlay substrate material PET PET Inlay-to-liner adhesive N/A S-490 (FASSON) Liner material N/A 1.5mil Clear PET Face Sheet N/A N/A Standard pitch 0.625 in (15.875 mm) 0.625 in (15.875 mm) Standard web width 3.875 in (98.43 mm) 4.125 in (104.78 mm) Total thickness over chip 10 - 13 mils (254-330.2 microns) 14-17 mils (356-431.8 microns) Operating temperature -40 to 185F (-40 to 85C) -40 to 185F (-40 to 85C) RoHS EU Directive 2011/65/EU Compliant Quality assurance 100% read tested with-of-tolerance inlay marked Un-wind direction 1nlay-side Out 1nlay-side Out Core size with adaptor insert 6 in (152.4 mm) 3 in (76.2 mm) Maximum roll outer diameter (not to 13 in (330.2 mm) 1.5mil (98.7 x 11.2 mm) PET		(95 x 8.15 mm)	(95 x 8.15 mm)
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RoHS EU Directive 2011/65/EU Compliant Quality assurance 100% read tested with-of-tolerance inlay marked Un-wind direction Unally-side Out Core size with adaptor insert Maximum roll outer diameter (not to EU Directive 2011/65/EU Compliant 100% read tested with-of-tolerance inlay marked Inlay-side Out 3 in (76.2 mm) 13 in (330.2 mm)	Total thickness over chip		
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Maximum roll outer diameter (not to	Un-wind direction	Inlay-side Out	Inlay-side Out
. 19 10 (990 × 1010) 19 10 (990 × 1010)	Core size with adaptor insert	6 in (152.4 mm)	3 in (76.2 mm)
exceed)	Maximum roll outer diameter (not to exceed)	13 in (330.2 mm)	13 in (330.2 mm)
Average # of units per roll 20,000 good +/- 10% 20,000 good +/- 10%	Average # of units per roll	20,000 good +/- 10%	20,000 good +/- 10%
Rev 01 01	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.

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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