

AD-815



[Print](#)



Antenna Size:
0.787 x 0.394 in
[20 x 10 mm]

Features:

- The smallest inlay in the portfolio
- Specialized design for high performance response on glass vial tracking at FCC (US) operating frequencies
- Excellent performer at MIC frequencies (Japan) on mild dielectrics (e.g. plastics and paper) for item level tracking
- Available in high yield / high capacity rolls which integrate seamlessly into high-volume converting processes

Market Applications: Retail, Supply Chain, Pharmaceutical / Healthcare

Electrical Characteristics

Operating Frequency
Integrated Circuit [IC] – Manufacturer & IC Name
RF Communications Protocol
Memory

Optimized for 902 to 960MHz Bands (FCC) and (MIC) Japan

Impinj Monza 3

ISO/IEC 18000-6C & EPCglobal Class 1 Gen 2
96 bits EPC

Environmental

Operating Temperature
RoHS

-40°F to 185°F [-40°C to 85°C]

EU Directive 2002/95/EC compliant

Inlay Roll Format / Finishing

Un-wind direction
Core size with adaptor insert
Maximum roll outer diameter [not to exceed]

Inlay-side out

3 in [76.2 mm]

12 in [305 mm]

Part Details for AD-815 (Total 2 Parts)

Part Number

600219

Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	0.787 in [20 mm] x 0.394 in [10 mm]
Die-cut dimensions	N/A
Inlay-to-liner adhesive	N/A
Liner material	N/A
Total thickness over chip [typical]	13.52 mils [343 microns]
Standard pitch	0.75 in [19.05 mm]
Standard web widths	1.25 in [31.75 mm]
Inlay substrate material	PET
Quality assurance	100% read tested with out-of-tolerance inlay marked
Average number of units per roll	10,000

Rev	01
Part Number	600 XXX
Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	0.787 in [20 mm] x 0.394 in [10 mm]
Die-cut dimensions	0.912 in [23.18 mm] x 0.519 in [13.18 mm]
Inlay-to-liner adhesive	S-490 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip [typical]	14 mils [356 um]
Standard pitch	0.75 in [19.05 mm]
Standard web widths	1.0625 in [26.99 mm]
Inlay substrate material	PET
Quality assurance	100% edit and replace
Average number of units per roll	TBD
Rev	00

CARE AND HANDLING RFID inlays are sensitive to ESD. Observe standard practices to keep environment static charge to a minimum.

APPLICATIONS This product should be tested by the customer/user thoroughly under end use conditions to ensure the 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 RFID reserves the right to modify, change, supplement of discontinue product offerings at any time without notice.

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Avery Dennison RFID

North America

866 903 RFID (7343)

Mexico +55 5093 0100

Europe +352 50 46 50 1

Asia Pacific +852 9163 1313

rfid.info@averydennison.com

www.rfid.averydennison.com



Hong Kong
Tel: 852-23702227
Fax: 852-23702054
sales@sysscan.com.hk

China & Hong Kong
Guangzhou
Tel: 86-20-87610063
Fax: 86-20-87610213
gz_sales@sysscan.com.hk

Shanghai
Tel: 86-21-62825319
Fax: 86-21-62825283
sh_sales@sysscan.com.hk

www.sysscan.com.hk or www.sysscan.com.cn