

AD-827



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Antenna Size:
0.709 x 1.575 in
[18 x 40 mm]

Features:

- One of the most powerful combinations of a small form factor and strong read ranges for item level tagging
- Strong read range to size ratio, exhibits good read range while on many mild dielectric substrates
- Optimized for global frequency operation
- Available in high yield / high capacity rolls which integrate seamlessly into high-volume converting processes

Market Applications: Media Management, Retail, Supply Chain, Pharmaceutical / Healthcare

Electrical Characteristics

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

Global (860 - 960MHz)
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]
Designed to comply with EU Directive 2002/95/EC

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-827 (Total 2 Parts)

Part Number	600210
Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	0.709 in [18 mm] x 1.575 in [40 mm]
Die-cut dimensions	N/A
Inlay-to-liner adhesive	N/A
Liner material	N/A
Total thickness over chip [typical]	11 mils [279 microns]
Standard pitch	2 in [50.8 mm]
Standard web widths	1 in [25.4 mm]
Inlay substrate material	PET
Quality assurance	100% read tested with out-of-tolerance inlay marked
Average number of units per roll	15,000

Rev	01
Part Number	600211
Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	0.709 in [18 mm] x 1.575 in [40 mm]
Die-cut dimensions	0.834 in [21.18 mm] x 1.7 in [43.18 mm]
Inlay-to-liner adhesive	S-490 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip [typical]	14 mils [356 um]
Standard pitch	2 in [50.8 mm]
Standard web widths	1 in [25.4 mm]
Inlay substrate material	N/A
Quality assurance	100% edit and replace
Average number of units per roll	7,000
Rev	01

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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