

AD-843



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Antenna Size:
3.701 x 1.496 in
[94 x 38 mm]

Features:

- The RFID industry's first UHF EPC inlay with excellent direct-attach to metal performance
- Most powerful read range performer in the inlay portfolio
- Broad antenna structure reduces risk of antenna disconnect due to physical damage
- Available in high yield / high capacity rolls which integrate seamlessly into high-volume converting processes

Market Applications: Supply Chain, Returnable Transport Units (RTUs), Industrial / Factory AIDC

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-843 (Total 2 Parts)

Part Number

600206

Chip
Antenna dimensions, [CDxMD]
Die-cut dimensions
Inlay-to-liner adhesive
Liner material
Total thickness over chip [typical]
Standard pitch
Standard web widths
Inlay substrate material
Quality assurance
Average number of units per roll

Impinj Monza 3
3.701 in [94 mm] x 1.496 in [38 mm]
N/A
N/A
N/A
11 mils [279 microns]
1.75 in [44.45 mm]
5 in [127 mm]
PET
100% read tested with out-of-tolerance
5,000

Rev	03
Part Number	600207
Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	3.701 in [94 mm] x 1.496 in [38 mm]
Die-cut dimensions	3.826 in [97.18 mm] x 1.621 in [41.18 mm]
Inlay-to-liner adhesive	S-490 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip [typical]	14 mils [356 um]
Standard pitch	1.75 in [44.456 mm]
Standard web widths	4.076 in [103.53 mm]
Inlay substrate material	N/A
Quality assurance	100% edit and replace
Average number of units per roll	5,000
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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