

AD-805



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Antenna Size:
0.63 x 0.63 in
[16 x 16mm]

Features:

- Powerful edge-on reading performance for item level tagging. Best read range is with the inlay edge facing the reader
- Exhibits very strong read ranges for its small size
- Global performance (860 to 960MHz)
- Read range performance may be enhanced when adjacent to metal (in certain applications)
- 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

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-805 (Total 2 Parts)

Part Number

600185

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

Impinj Monza 3
0.63 in [16mm] x 0.63 in [16mm]
N/A
N/A
N/A
11 mils [279 microns]
1 in [25.4 mm]
1.596 [40.54mm]
PET
100% read tested with out-of-tolerance inlay marked

Average number of units per roll	10,000
Rev	03
Part Number	600186
Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	0.63 in [16mm] x 0.63 in [16mm]
Die-cut dimensions	0.755 [19.18mm] x 0.755 [19.18mm]
Inlay-to-liner adhesive	S-490 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip [typical]	14 mils [356 um]
Standard pitch	1 in [25.4 mm]
Standard web widths	1.25 in [31.75 mm]
Inlay substrate material	N/A
Quality assurance	100% edit and replace
Average number of units per roll	7,500
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.

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