

# 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
<b>Part Number</b>	<b>600186</b>
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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