

# AD-828



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**Antenna Size:**  
0.591 x 1.575 in  
[15 x 40 mm]

## Features:

- Designed for stackable, close proximity tagging (to within 10mm gap between directly stacked tags)
- The AD-828 balances Read Range performance with a very small form factor to achieve powerful performance in a tiny package
- Global functionality with FCC (US) frequency optimization
- Available in high yield / high capacity rolls which integrate seamlessly into high-volume converting processes

**Market Applications:** Retail, Supply Chain

## 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-828 (Total 1 Parts)

### Part Number

**600208**

Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	0.591 in [15 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	1.75 in [44.45 mm]
Standard web widths	0.748 in [19 mm]
Inlay substrate material	PET
Quality assurance	100% read tested with out-of-tolerance inlay marked
Average number of units per roll	10,000

**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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## 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](mailto:rfid.info@averydennison.com)

[www.rfid.averydennison.com](http://www.rfid.averydennison.com)



**Hong Kong**  
Tel: 852-23702227  
Fax: 852-23702054  
[sales@sysscan.com.hk](mailto:sales@sysscan.com.hk)

### China & Hong Kong

**Guangzhou**  
Tel: 86-20-87610063  
Fax: 86-20-87610213  
[gz\\_sales@sysscan.com.hk](mailto:gz_sales@sysscan.com.hk)

**Shanghai**  
Tel: 86-21-62825319  
Fax: 86-21-62825283  
[sh\\_sales@sysscan.com.hk](mailto:sh_sales@sysscan.com.hk)

[www.sysscan.com.hk](http://www.sysscan.com.hk) or [www.sysscan.com.cn](http://www.sysscan.com.cn)