

AD-223



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Antenna Size:
3.741 x 0.321 in
[95 x 8.15mm]

Features:

- Best read range performance in the AD-22x family
- All-purpose transponder tuned for global supply chain application use
- Write range approaches read range
- Tight pitched high volume rolls
- Available in high yield/capacity rolls which integrate seamlessly into high-volume converting processes

Market Applications:

Electrical Characteristics

Operating Frequency	Global (860 - 960MHz)
Integrated Circuit [IC] – Manufacturer & IC Name	Impinj Monza 3
RF Communications Protocol	ISO/IEC 18000-6C & EPCglobal Class 1 Gen 2
Memory	96 bits EPC

Environmental

Operating Temperature	-40°F to 185°F [-40°C to 85°C]
RoHS	Designed to comply with EU Directive 2002/95/EC

Inlay Roll Format / Finishing

Un-wind direction	Inlay-side out
Core size with adaptor insert	6 in [152 mm]
Maximum roll outer diameter [not to exceed]	12 in [305 mm]

Part Details for AD-223 (Total 3 Parts)

Part Number	600192
Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	3.741 in [95.03mm] x .321 [8.15mm]
Die-cut dimensions	N/A
Inlay-to-liner adhesive	N/A
Liner material	N/A
Total thickness over chip [typical]	11.5 mils [292 microns]
Standard pitch	.625 in [15.88mm]
Standard web widths	4.75 in [120.65mm]
Inlay substrate material	PET
Quality assurance	100% read tested with out-of-tolerance inlay marked
Average number of units per roll	20,000
Rev	03

Part Number	600193
Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	3.741 in [95.03mm] x .321 [8.15mm]
Die-cut dimensions	3.885 in [98.68] x .44 [11.18mm]
Inlay-to-liner adhesive	S-490 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip [typical]	14 mils [356 um]
Standard pitch	.625 in [15.88]
Standard web widths	4.125 in [104.78]
Inlay substrate material	
Quality assurance	100% edit and replace
Average number of units per roll	20,000
Rev	01

Part Number	600194
Chip	Impinj Monza 3
Antenna dimensions, [CDxMD]	3.741 in [95.03mm] x .321 [8.15mm]
Die-cut dimensions	N/A
Inlay-to-liner adhesive	N/A
Liner material	N/A
Total thickness over chip [typical]	11.5 mils [292 microns]
Standard pitch	.625 in [15.88mm]
Standard web widths	3.875 in [98.43 mm]
Inlay substrate material	PET
Quality assurance	100% read tested with out-of-tolerance inlay marked
Average number of units per roll	20,000
Rev	03

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 or discontinue product offerings at any time without notice.

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