

AD Frog 3D®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza 4D

Antenna Dimensions

68 x 68 mm / 2.68 x 2.68 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Logistics

Applications

Asset Tracking
Package tracking

RoHS

EU Directive 2011/65/EC and
Directive (EU) 2015/863

REACH

Regulation (EC) No. 1907/2006



High performance product for supply chain applications

Our AD Frog 3D® inlays and tags are designed for pallet and case level applications offering high performance in supply chain management applications. Frog 3D® products have a small, cost-efficient True3D form factor with complete orientation insensitivity providing consistent performance even on challenging materials. High performance AD Frog 3D® inlays deliver excellent read range and are compatible with the Impinj Monza 4 IC family.

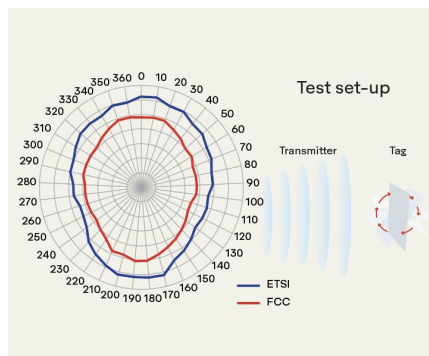
AD Frog 3D® tags and inlays are produced using leading-edge inlay assembly technologies. Monitoring every step in the production process, from the antenna to the final assembly of the inlay, guarantees optimal quality products.

Our inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, enhancing RFID usage for difficult-to-tag materials.

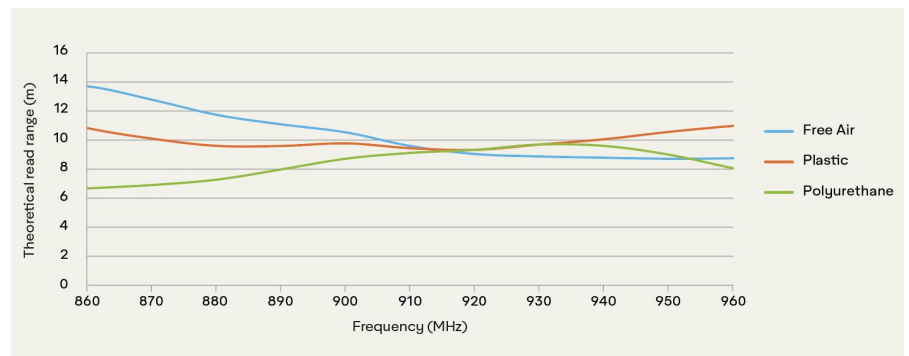
Technical features

| | | |
|-----------------------|--------------------------------------|--------------------------------|
| Chip | Impinj Monza 4D | |
| EPC and User Memory | 128-bit and 32-bit | |
| TID Memory | 96-bit / 48-bit unique serial number | |
| Product Code | 3002347 / IL-602690 | 3002348 / IL-602691 |
| Delivery Format | Wet inlay+ | Label / sticker |
| Die-Cut Dimension | 76 x 76 mm / 3 x 3 in | 76 x 76 mm / 3 x 3 in |
| Inlay Substrate | PET | PET |
| Face Sheet | Clear PET | Mid-gloss paper |
| Standard Pitch | 80 mm / 3.150 in | 80 mm / 3.150 in |
| Web Width | 80 mm / 3.150 in | 80 mm / 3.150 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 5,000 pcs/reel / 5,000 pcs/box | 4,000 pcs/reel / 4,000 pcs/box |
| Operating Temperature | -40 °C to 85 °C / -40 °F to 185 °F | |

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

Contact information

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Connect with us on:



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Warranty: Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](https://www.averydennison.com/termsandconditions)

Care and handling: RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and static charge to a minimum.

Applications: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

