

# AD Frog 3D<sup>®</sup> M4QT

## Overview

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**Frequency Band**

UHF 860 - 960 MHz

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**Chip Attachment Technology**

Direct Chip Attach

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**Chip**

Impinj Monza 4QT

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**Antenna Dimensions**

68 x 68 mm / 2.68 x 2.68 in

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**International Standard**

ISO 18000-63, EPC Class 1 Gen 2

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**Industry Segments**

Logistics

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**Applications**

Asset Tracking  
Package tracking

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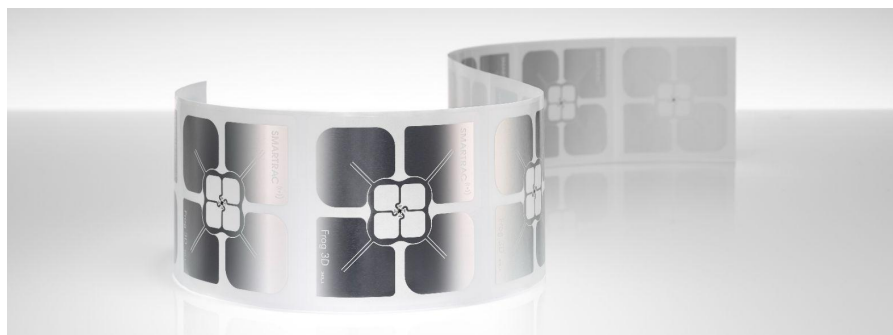
**RoHS**

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

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**REACH**

Regulation (EC) No. 1907/2006



## High performance product for supply chain applications

Our AD Frog 3D<sup>®</sup> inlays and tags are designed for pallet and case level applications offering high performance in supply chain management applications. Frog 3D<sup>®</sup> 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<sup>®</sup> inlays deliver excellent read range and are compatible with the Impinj Monza 4 IC family.

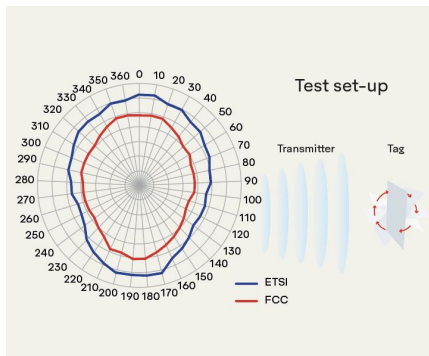
AD Frog 3D<sup>®</sup> tags and inlays are produced using leading-edge inlay assembly technologies. Monitoring every step in the production process, from the antenna to the final assembly of the inlay, guarantees optimal quality products.

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.

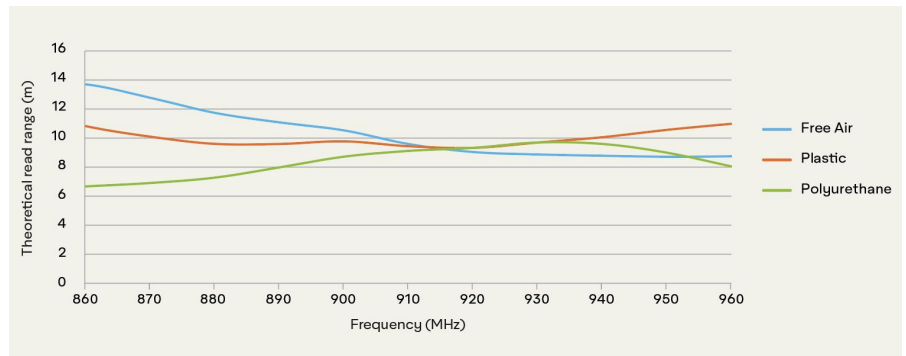
## Technical features

Chip	Impinj Monza 4QT
EPC and User Memory	128-bit and 512-bit
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-611391
Delivery Format	Wet inlay
Die-Cut Dimension	76 x 76 mm / 3 x 3 in
Inlay Substrate	PET
Face Sheet	Clear PET
Standard Pitch	80 mm / 3.150 in
Web Width	80 mm / 3.150 in
Core Size	76 mm / 3 in
Quantity / Reel	5,000 pcs/reel / 5,000 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

rfid.averydennison.com/contact  
North America: +1-866-903-7343 (toll free US)  
International: +1-678-617-2359

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.

