

Dogbone®

Overview

Frequency Band

UHF 860 - 960 MHz

Chip

Impinj Monza 4D

Antenna Dimensions

85.9 x 24 mm / 3.382 x 0.945 in

International Standard

ISO 18000-6C, EPC Class 1 Gen 2

Industry Segments

Automotive
Industrial Applications
Sports and Events

Applications

Sports Timing
Glass and Automobile Tracking
Inventory

RoHS

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

REACH

Regulation (EC) No. 1907/2006



Excellent global performance even on difficult-to-tag materials

Our Dogbone® inlays and tags are designed for global supply chain, industrial, RTI and sports timing applications, and offer excellent performance in demanding environments and on different materials.

Dogbone® inlays and tags have good tolerance against the detuning effect of high dielectric materials, providing effective global performance even on difficult-to-tag materials. They are available with the Impinj Monza 4D chip that offers 128-bit EPC and 32-bit user memory.

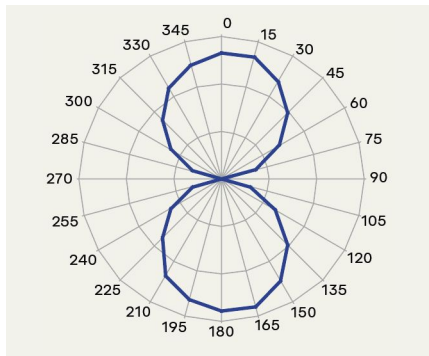
The inlay's die cut size is 97 x 27 mm / 3.8 x 1 inch, making this design suitable for use with a wide range of supply chain labels, and are available in dry, wet and label / sticker delivery formats.

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.

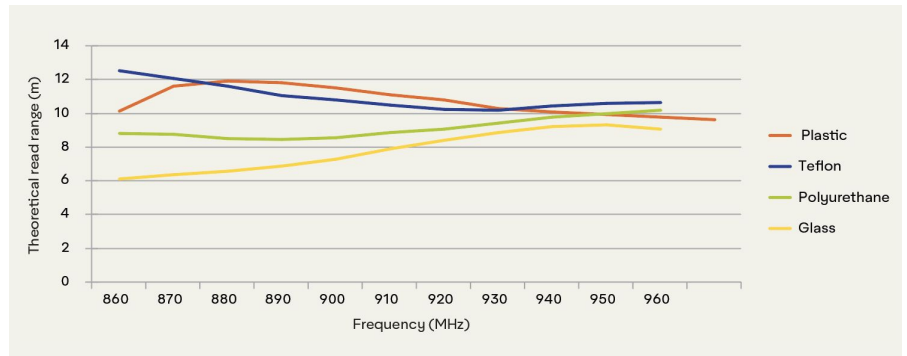
Technical features

Chip	Impinj Monza 4D		
EPC and User Memory	128-bit and 32-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	3001873	3001874	3001878
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	–	97 x 27 mm / 3.819 x 1.06 in	97 x 27 mm / 3.819 x 1.06 in
Inlay Substrate	PET	PET	PET
Face Sheet	Clear PET 12	Clear PET 12	Opaque Matt Paper 79
Standard Pitch	30 mm / 1.181 in	30 mm / 1.181 in	30 mm / 1.181 in
Web Width	97 mm / 3.819 in	100 mm / 3.937 in	100 mm / 3.937 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	10,000 pcs/reel 10,000 pcs/box	5,000 pcs/reel 5,000 pcs/box	3,000 pcs/reel 6,000 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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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.

