



## DOGBONE™

Excellent Global Performance even on Difficult-To-Tag Materials

SMARTRAC 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-electric materials, providing effective global performance even on difficult-to-tag materials. They are available with the Impinj Monza 4D chip that offers serial TID and memory feature with EPC 128 bit and 32 bit user memory.

The inlay is a size-optimized 101 mm / 4 inch form factor, making them suitable for use with a wide range of supply chain labels, and are available in dry, wet and paper tag delivery formats

SMARTRAC's 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.

### Overview

**Operating Frequency**  
860 - 960 MHz

**Integrated Circuit (IC)**  
Impinj Monza 4D, 4E, 4QT, 4i

**Antenna Size**  
86 × 24 mm (3.4 × 1.0 in)

**Die-cut Size**  
97 × 27 mm (3.8 × 1.1 in)

### International Standards

- ▶ EPC Class 1 Gen 2  
ISO 18000-6C

### Application Areas

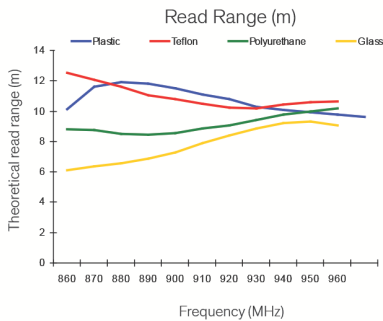
- ▶ Industry
- ▶ Supply Chain Management
- ▶ Sports Timing

## DOGBONE™

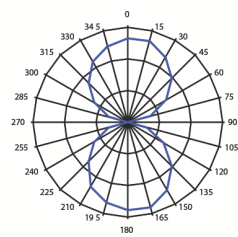
Excellent Global Performance even on Difficult-To-Tag Materials

Technical Features			
<b>IC + Memory*</b> Impinj Monza 4D 128 bit EPC plus 32 bit	<b>Size</b>	<b>Format</b>	<b>Sales Code</b>
	86 × 24 mm / 3.4 × 1.0 in	Dry	3001873
	97 × 27 mm / 3.8 × 1.1 in	Wet	3001874
	97 × 27 mm / 3.8 × 1.1 in	Paper Tag	3001878
Web Width	100 mm / 3.94 in		
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F		
Adhesive	Acrylic, water borne adhesive (wet), Solvent-free permanent adhesive (tag)		
Qty/Reel	5,000 pcs		
Core Size	76 mm / 3 in		
Shelf Life	+20 °C, 50 % RH / 68 °F, 50 % RH - minimum 2 years from the date of manufacturing		

\*Note: Other IC memories upon request.



Orientation Sensitivity



All the graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a 2W ERP output power level.



1 (888) 238-1155 Inside USA • 1 (205) 383-2244 Outside USA  
[info@atlasRFIDstore.com](mailto:info@atlasRFIDstore.com) • [www.atlasRFIDstore.com](http://www.atlasRFIDstore.com)

[atlasRFIDstore.com](http://atlasRFIDstore.com)

© 2018 SMARTRAC N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use.

