



## DOGBONE

Excellent Global Performance even on Difficult-To-Tag Materials

SMARTRAC's 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 now available with the Impinj Monza R6 chip that comes with an Autotune feature, which helps the DogBone product to work at peak efficiency, even in rapidly changing environments. DogBone with the Monza R6 chip offers unique TID and enables pre-serialized EPC.

The inlay is size-optimized for 10 cm / 4 inch wide converted labels, and is available in dry, wet and paper tag delivery formats.

SMARTRAC's inlays and tags are compliant with ISO 9001:2008 Quality Management and ISO 14001:2004 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 R6

#### Antenna Size

94 x 24 mm (3.7 x 0.9 in)

#### Die-cut Size

97 x 27 mm (3.8 x 1.1 in)

### International Standards

- ▶ EPC Class 1 Gen 2  
ISO 18000-6C

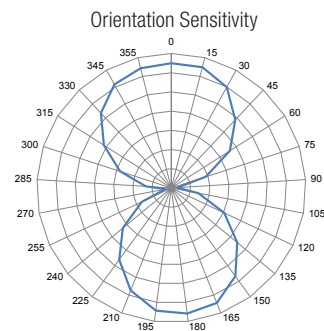
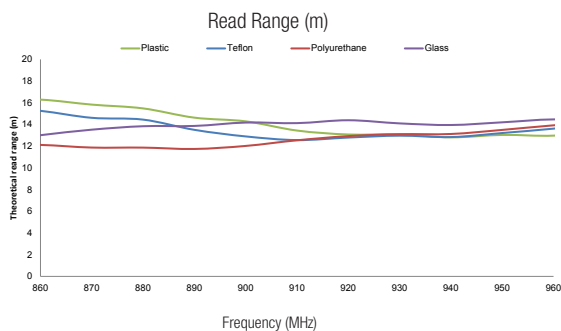
### Application Areas

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

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Technical Features	
IC	Impinj Monza R6
Memory	96 bit
Frequency	860-960 MHz
Antenna Size	94 x 24 mm / 3.7 x 0.9 in
Die-Cut Size	97 x 27 mm / 3.8 x 1.1 in
Web Width	100 mm / 3.94 in
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F
Delivery Format	dry, wet and tag
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



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.

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