



## SHORTDIPOLE

Excellent Global Performance on Various Materials

SMARTRAC SHORTDIPOLE inlays and tags are designed and optimized for global retail, industry and supply chain applications, offer excellent global performance also on lower detuning materials like cardboard and plastic.

SHORTDIPOLE inlays and tags are a size-optimized 100 mm / 4 inch form factor, making them suitable for use with a wide range of supply chain labels.

They are available with the Impinj Monza 5 chip that is approved for retail and apparel solutions by RFID Research Center of University of Auburn for the categories A,B, C, D, F, G, K, I, M, N and Q. Furthermore SHORTDIPOLE with Impinj Monza 5 is tested to meet GS1 Tagged-Item Performance Protocol (TIPP) Tagged-Item Gradings M10B and S10B, M15B and S15B as well as M20D and S15B for the retail supply chain, retailers and suppliers.

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 5

**Antenna Size**  
93 × 11 mm (3.6 × 0.4 in)

**Die-cut Size**  
97 × 15 mm (3.8 × 0.6 in)

### International Standards

▶ EPC Class 1 Gen 2  
ISO 18000-6C

### Application Areas

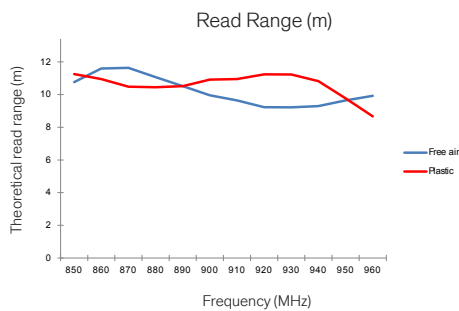
- ▶ Brand Protection
- ▶ Retail
- ▶ Industry
- ▶ Sports Timing
- ▶ Supply Chain Management

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Technical Features			
<b>IC + Memory</b> Impinj Monza 5 128 bit EPC	<b>Size</b>	<b>Format*</b>	<b>Sales Code</b>
	93 × 11 mm / 3.7 × 0.4 in	Dry	3001997
	97 × 15 mm / 3.8 × 0.6 in	Wet	3001998
Web Width	100 mm / 3.9 in		
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F		
Adhesive	Acrylic, water borne adhesive		
Qty/Reel	20,000 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 formats are available upon request.



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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