



## SHORTDIPOLE

Excellent Global Performance on Various Materials

SMARTRAC's ShortDipole inlays and tags are designed and optimized for global retail, industry and supply chain applications, offering excellent performance in many situations, including on lower detuning materials like cardboard, plastics, corrugated boxes and RTIs.

ShortDipole inlays and tags are 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. They are now offered with the Impinj Monza R6 chip that comes with an Autotune feature, which helps the ShortDipole product to work at peak efficiency, even in rapidly changing environments. ShortDipole with the Monza R6 chip offers unique TID and enables pre-serialized EPC.

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

93 x 11 mm (3.7 x 0.4 in)

#### Die-cut Size

97 x 15 mm (3.8 x 0.6 in)

### International Standards

- ▶ EPC Class 1 Gen 2
- ISO 18000-6C

### Application Areas

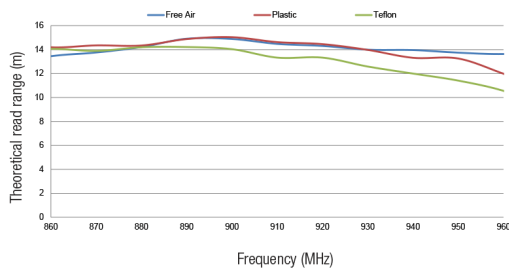
- ▶ Brand Protection
- ▶ Retail
- ▶ Industry
- ▶ Sports Timing
- ▶ Supply Chain Management

# SHORTDIPOLE

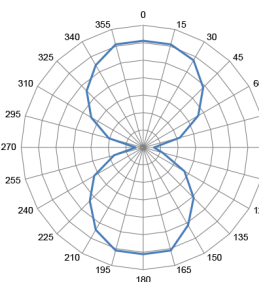
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Technical Features	
IC	Impinj Monza R6
Memory	96 bit
Frequency	860-960 MHz
Antenna Size	93 x 11 mm / 3.7 x 0.4 in
Die-Cut Size	97 x 15 mm / 3.8 x 0.6 in
Web Width	100 mm / 3.9 in
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F
Delivery Format	dry, wet and tag
Adhesive	Acrylic, water borne adhesive & solvent-free permanent adhesive
Qty/Reel	5,000 pcs / 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

Read Range (m)



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.

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