

## TRAP

Perfect for small item-level retail and pharmaceutical applications.



Trap tags and inlays are designed for item-level identification requiring a small footprint and excellent near-field performance. The compact and reliable Trap products are the perfect fit for smaller pharmaceutical and retail applications. They work well in both near field and far field.

### Benefits:

- ▶ Optimum solution for small item-level tagging, unmatched performance for small difficult-to-tag items.
- ▶ Great RF-stability in a small form factor.
- ▶ Top performance in retail and pharmaceutical applications.
- ▶ Excellent near field performance.
- ▶ Excellent performance in far field with high dielectric materials such as glass vials and Printed Circuit Boards (PCBs).
- ▶ Different memory features available with Monza 4 IC family: EPC from 128 bit to 496 bit, and user memory from 32 bit to 512 bit.
- ▶ ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support.
- ▶ Serialized TID.

### Overview

#### Operating Frequency

860 - 960 MHz

#### Integrated Circuit (IC)

Impinj Monza 4

#### Antenna Size

8 x 22 mm (0.32 x 0.87 in)

#### Die-cut Size

11 x 25 mm (0.43 x 0.98 in)

#### International Standards

EPC Class 1 Gen 2

ISO 18000-6C

#### Quality Assurance

100% performance tested

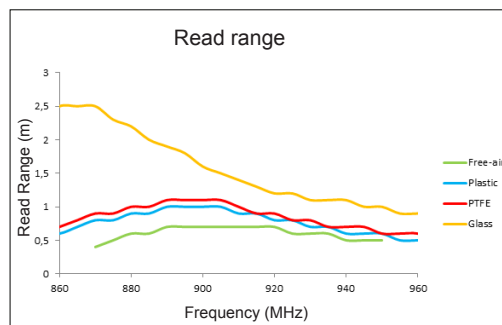
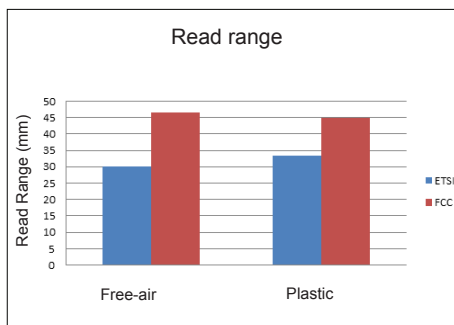
### Application Areas

- ▶ Pharma and Healthcare
- ▶ Product Authentication
- ▶ Brand Protection
- ▶ Retail

## TRAP

Technical Features	
IC	Impinj Monza 4
Memory	EPC memory up to 128 bit / user memory up to 32 bit
Frequency	860-960 MHz
Antenna Size	8 x 22 mm / 0.32 x 0.87"
Die-cut Size	11 x 25 mm / 0.43 x 0.98"
Web Width	27 mm / 1.06"
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Bending Diameter (D)	> 50 mm, tension max. 10 N
Delivery Formats	Dry inlay, wet inlay, tag
Adhesive	Permanent pressure sensitive adhesive
Adhesive Usage Temperature	min. -40°C to 150°C / min. -40°F to 302°F
Qty/Reel	2,000 per reel
Core Size	76 mm / 3"
Shelf Life: minimum of 2 years from the date of manufacture in	20°C / 68°F, 50% RH

SMARTRAC TECHNOLOGY GROUP uses three different qualification methods to evaluate the quality and reliability of RFID inlay and tag products. Products are tested according to IEC 60068-2-67 (temperature and humidity), JEDEC22-A104-B (temperature cycling) and an in-house developed bending test.



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.



RoHS 

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