

## VIPER

Meets the challenges of narrow spaces and de-tuning materials.



Viper tags and inlays offer top performance where space is limited. They cover a range of applications from supply chain and industrial automation to brand protection and sports-timing. Viper tags and inlays are also well-suited for use on highly detuning and difficult-to-tag materials.

### Benefits:

- ▶ High-performance product for narrow spaces.
- ▶ Exceptional performance on highly detuning, difficult-to-tag materials.
- ▶ 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

110 x 6 mm (4.33 x 0.24 in)

#### Die-cut Size

113 x 9 mm (4.45 x 0.35 in)

#### International Standards

EPC Class 1 Gen 2

ISO 18000-6C

#### Quality Assurance

100% performance tested

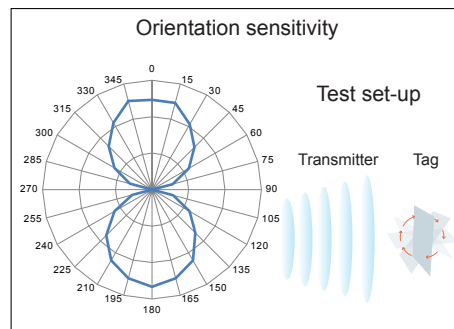
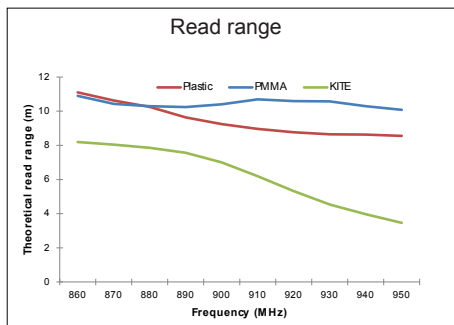
### Application Areas

- ▶ Brand Protection
- ▶ Industrial Automation
- ▶ Supply Chain Management
- ▶ Sports Timing

## VIPER

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	110 x 6 mm / 4.33 x 0.24"
Die-cut Size	113 x 9 mm / 4.45 x 0.35"
Web Width	120 mm / 4.72"
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	10,000 dry or wet inlays per reel, 5,000 tags 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), JESD22-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 CE

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