



BELT

Compact size and high performance in item-level tagging

SMARTRAC's Belt inlays and tags are designed for global retail, industry and supply chain applications with excellent performance, including in close coupling environments.

Belt inlays and tags have a compact 76mm / 3 inch form factor, which can be easily converted into end-application usage, and are available in dry, wet and paper tag delivery formats. They are now available with the Impinj Monza R6 chip that comes with an Autotune feature, which helps the Belt product to work at peak efficiency, even in rapidly changing environments. Belt with the Monza R6 chip offers unique TID and enables pre-serialized EPC.

Belt with the Impinj Monza R6 IC, used in retail applications, is included on the approved inlay list for boxed electronics by the RFID Research Center of the University of Arkansas, and complies with categories A, B, C, D, K, I and M. Furthermore, it meets GS1 Tagged-Item Performance Protocol (TIPP) Tagged-Item Gratings M10B S15B, M15B S15B and M20D S15D for the retail supply chain, retailers and suppliers, and is recommended by Impinj for the fixed-base xArray system.

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, especially in the retail environment.

Overview

Operating Frequency

860 - 960 MHz

Integrated Circuit (IC)

Impinj Monza R6

Antenna Size

70 x 10 mm (2.7 x 0.4 in)

Die-cut Size

73 x 13 mm (2.9 x 0.5 in)

International Standards

- ▶ EPC Class 1 Gen 2
- ISO 18000-6C

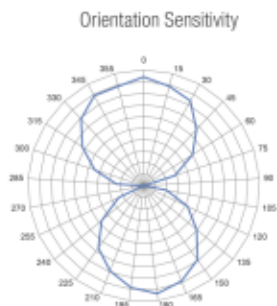
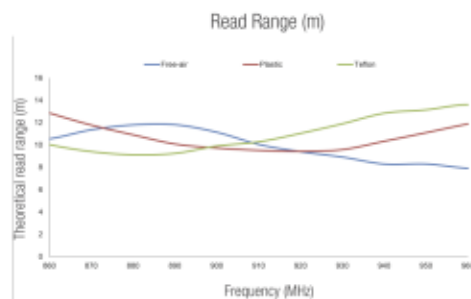
Application Areas

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

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Technical Features	
IC	Impinj Monza R6
Memory	96 bit
Frequency	860-960 MHz
Antenna Size	70 x 10 mm / 2.8 x 0.4 in
Die-Cut Size	73 x 13 mm / 2.9 x 0.5 in
Web Width	80 mm / 3.15 in
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F
Delivery Format	dry, wet and tag
Adhesive	Acrylic, water borne adhesive
Qty/Reel	5,000 pcs / 15,000 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.