SMARTRAC

DATASHEET

SHORTDIPOLE

Excellent global performance on various materials.

Overview

Operating Frequency
860 - 960 MHz

Integrated Circuit (IC)
Impinj Monza 5

Antenna Size
93 x 11 mm (3.66 x 0.43 in)

Die-cut Size
97 x 15 mm (3.82 x 0.59 in)

International Standards
EPC Class 1 Gen 2
ISO 18000-6C

Quality Assurance
100% performance tested

Application Areas

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

ShortDipole tags and inlays are specially designed for supply chain management, apparel and brand protection applications offering excellent global performance also on lower detuning materials like cardboard and plastic.

ShortDipole tags with the Impinj Monza™ 5 chip are approved for retail and apparel solutions by RFID Research Center of University of Arkansas.

Benefits:

- Excellent global performance in a wide range of supply chain management, apparel and brand protection applications.
- Optimum performance on lower detuning material like cardborad and plastic, also for corrugate boxes and RTIs.
- Perfect size for 4 inch wide converted labels.
- University of Arkansas approved.
- ISO 9001:2008 Quality Management System and ISO 14001:2004 Environment Management System support.
- Serialized TID.

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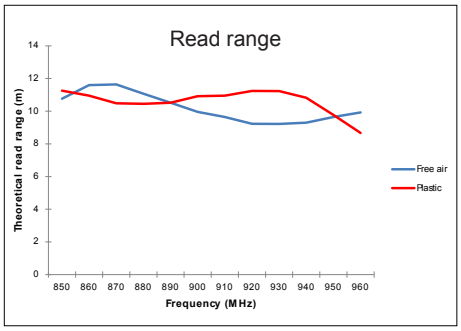
Technical Features	
IC	Impinj Monza 5
Memory	EPC memory 128 bit
Frequency	860-960 MHz
Antenna Size	93 x 11 mm / 3.66 x 0.43“
Die-cut Size	97 x 15 mm / 3.82 x 0.59“
Web Width	100 mm / 3.94“
Operating Temperature	-40°C to 85°C / -40°F to 185°F
Bending Diameter (D)	> 50 mm, tension max. 10 N
Delivery Formats	Dry inlay, wet inlay, tag
Adhesive	Acrylic, water borne adhesive
Adhesive Usage Temperature	min. -20°C to 80°C / min. -4°F to 176°F
Qty/Reel	20,000 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.

HALOGEN FREE
MEETS ICE 61249-2-21

RoHS CE

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