SMARTRAC
connect things

FROG 3D

Full Orientation Insensitivity for Consistent Supply Chain Functionality

SMARTRAC FROG 3D inlays and tags are designed for high performance in supply chain management applications at the pallet and case levels.

FROG 3D products have a small, cost-efficient True3D form factor. Complete orientation insensitivity provides consistent functionality even on challenging materials. High performance FROG 3D inlays deliver excellent read range, and are compatible with the Impinj Monza 4 IC family.

FROG 3D tags and inlays are produced using leading-edge inlay assembly technologies. Monitoring every step in the production process, from the antenna to the final assembly of the inlay, guarantees optimal quality products.

SMARTRAC's inlays and tags are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 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 4D, 4E, 4QT, 4i

Antenna Size
68 x 68 mm (2.68 x 2.68 in)

Die-cut Size
76 x 76 mm (3.00 x 3.00 in)

International Standards

- EPC Class 1 Gen 2
  ISO 18000-6C

Application Areas

- Industry
- Supply Chain Management

SMARTRAC
connect things

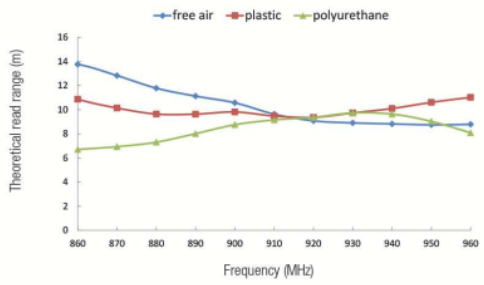
FROG 3D

Full Orientation Insensitivity for Consistent Supply Chain Functionality

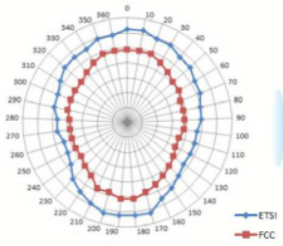
Technical Features			
IC + Memory*	**Size**	**Format**	**Sales Code**
Impinj Monza 4D	76 x 76 mm / 3.00 x 3.00 in	Wet	3002347
128 bit EPC plus 32 bit	76 x 76 mm / 3.00 x 3.00 in	Paper tag	3002348
Web Width	80 mm / 3.15 in		
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F		
Adhesive	Permanent pressure sensitive adhesive		
Qty/Reel	5,000 pcs (wet) / 4,000 pcs. (paper tag)		
Core Size	76 mm / 3 in		
Shelf Life	+20 °C, 50 % RH / 68 °F, 50 % RH - minimum 2 years from the date of manufacturing		

*Note: Other IC memories upon request.

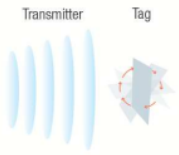
Read Range (m)



Orientation Sensitivity



Test set-up



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.

scancookie.com

05/2017 EN I&T 0012