

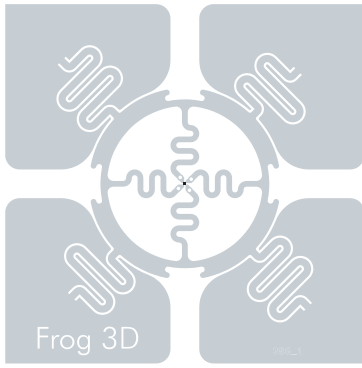
SMARTRAC



Frog™ 3D

Protocol	EPC Class 1 Gen 2 ISO 18000-6C
Operating frequency	Global 860–960 MHz
Antenna size	50 x 50 mm / 2.0 x 2.0 inch
Frog™ 3D key features	<ul style="list-style-type: none">• True3D design with complete orientation insensitivity.• Consistent robust performance on various materials globally.• Small, cost effective True3D form factor.• Monza 4 QT™ technology capability.





Frog™ 3D

Antenna dimensions

Antenna size	50 x 50 mm / 1.97 x 1.97"
Die-cut size	53 x 53 mm / 2.09 x 2.09"
Web width	60 mm / 2.36"

Electrical specifications

IC	Impinj Monza 4
EPC memory	up to 496 bit
User memory	up to 512 bit
Operating frequency	860–960 MHz

General characteristics of inlay

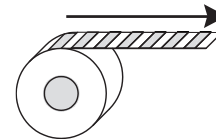
Operating temperature	-40 °C to 85 °C -40 °F to 185 °F
Bending diameter (D)	> 50 mm tension max. 10 N
Static pressure (P)	<10 MPa

Delivery formats

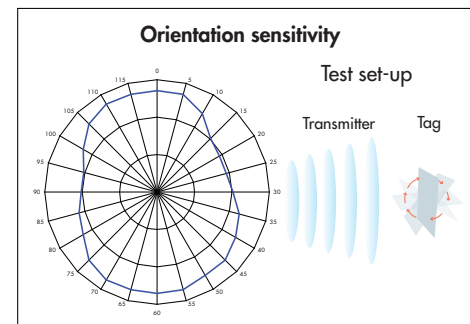
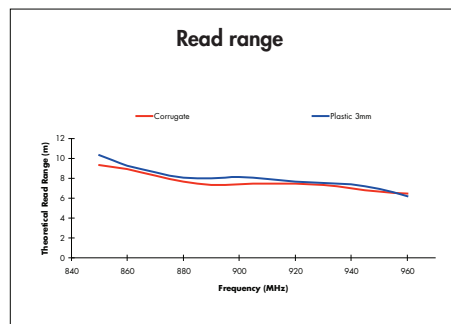
Available formats	Dry, wet, tag
Adhesive – temperature	Solvent-free permanent adhesive min. -10 °C to 120 °C min. 14 °F to 248 °F
Quality	100% performance tested

Reel details

Standard reel size	5,000 dry or wet inlays / 2,500 tags
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Inner core diameter 76 mm / 3 inch



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.

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

Disclaimer

SMARTRAC TECHNOLOGY GROUP reserves the right to change its products and services at any time without notice. Our recommendations are based on our latest knowledge and experience. As our products are used in circumstances beyond our control, we cannot be held liable for any damage caused through their use.