

UPM Raflatac DogBone

Protocol

EPC Class 1 Gen 2

Operating frequency

Global 860–960 MHz

Antenna size

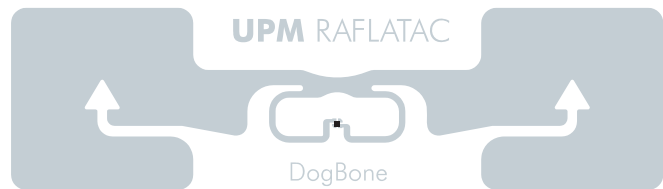
86 x 24 mm /

3.4 x 0.9 inch

DogBone key features

- High end product for global supply chain applications and RTI's
- Excellent global performance, even on difficult to tag materials
- Possibility for different memory options;
 - EPC from 128-bit to 496-bit
 - User memory from 36-bit to 512-bit
- QT™ technology capability
- Serialised TID

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Antenna dimensions

Antenna size	86 x 24 mm / 3.39 x 0.94 inch
Die-cut size	97 x 27 mm / 3.82 x 1.06 inch
Web width	100 mm / 3.94 inch

Electrical specifications

Integrated circuit (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

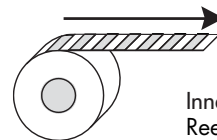
Operating temperature	-40 °C to 85 °C -40 °F to 185 °F
Bending diameter (D)	> 50 mm, tension max. 10 N
Static pressure (P)	<10 MPa

Delivery formats

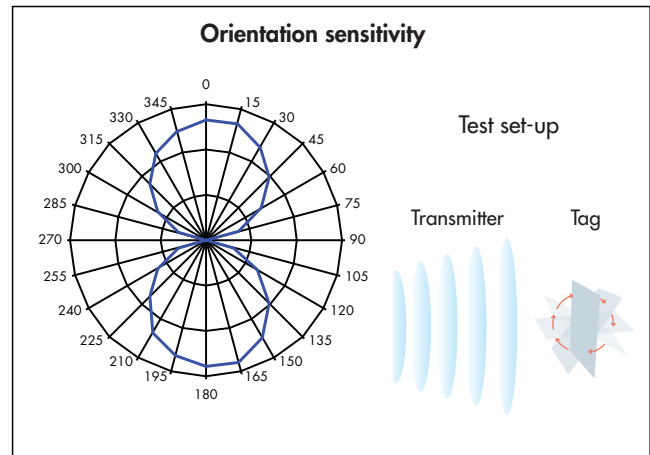
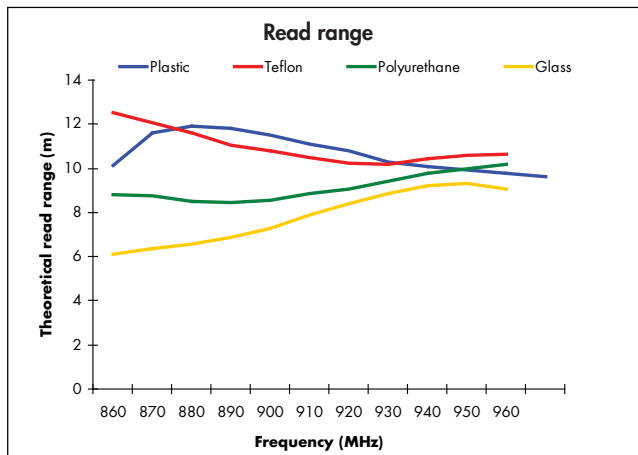
Available formats	Dry, wet, tag
Adhesive - temperature	Solvent-free permanent adhesive min. -10 °C to 120 °C min. 14 °F to 248 °F
Quality	100% performance tested

Reel details

Pieces per reel	10,000 dry inlays / 5,000 wet inlays / 3,000 tags
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Inner core diameter 76 mm / 3 inch
Reel diameter < 280 mm / 11 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.

UPM Raflatac 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), JESD22-A104-B (temperature cycling) and an in-house developed bending test.

Disclaimer

UPM Raflatac 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.