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# UPM RAFLATAC

## UPM Raflatac Frog

### **Protocol**

EPC Class 1 Gen 2

### **Operating frequency**

Global 860–960 MHz

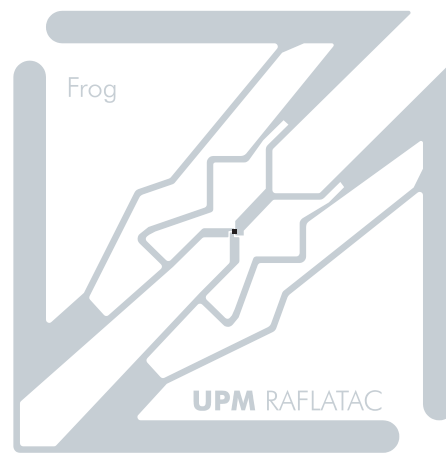
### **Antenna size**

68 x 68 mm /  
2.7 x 2.7 inch

### **Frog key features**

- Orientation insensitive product for global Supply Chain Management. For pallets and cases.
- Best suited for use on corrugated materials and plastics
- Optimal product for applications where inlay orientation cannot be controlled
- Wal-Mart, DoD and METRO Group compliant inlay
- 96-bit EPC memory

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## Antenna dimensions

Antenna size	68 x 68 mm / 2.68 x 2.68 inch
Die-cut size	76.2 x 76.2 mm / 3 x 3 inch
Web width	80 mm / 3.15 inch

## Electrical specifications

Integrated circuit (IC)	EPC Class 1 Gen 2 compliant
EPC memory	96 bit
Operating frequency	860–960 MHz
Data retention	100,000 cycle / 50 years

## General characteristics of inlay

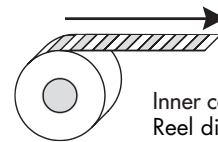
Operating temperature	-40 °C to 85 °C -40 °F to 185 °F
Bending diameter (D)	> 50 mm, tension max. 10 N
Static pressure (P)	<10 MPa

## 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

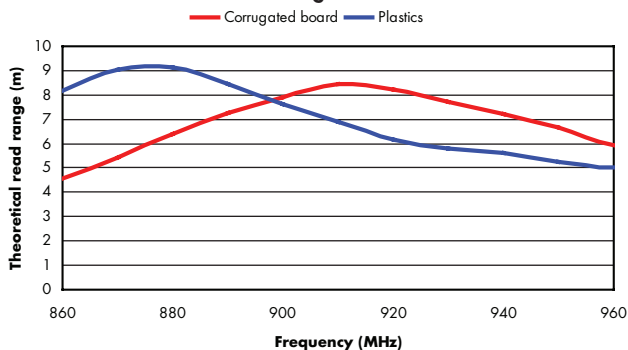
## Reel details

Pieces per reel	5,000 dry or wet inlays / 3,000 tags
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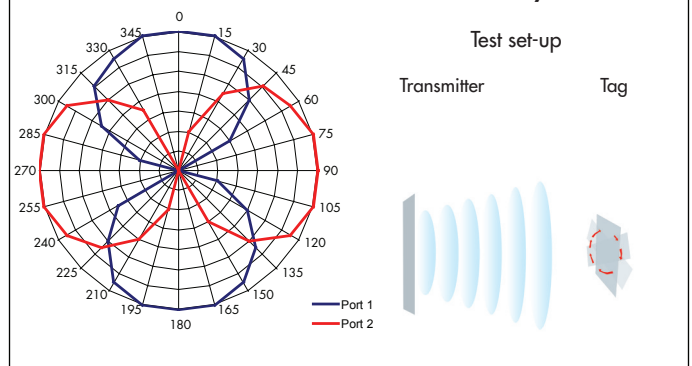


Inner core diameter 76 mm / 3 inch  
Reel diameter < 305 mm / 12 inch

## Read range



## Orientation sensitivity



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), JEDEC22-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.



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