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**UPM** RAFLATAC

DogBone

## UPM Raflatac DogBone<sup>x</sup>

### **Protocol**

EPC Class 1 Gen 2

### **Operating frequency**

Global 860–960 MHz

### **Antenna size**

93 x 23 mm /  
3.7 x 0.9 inch

### **DogBone<sup>x</sup> key features**

- “All-round” product for global Supply Chain Management. Suitable for pallets, cases and item-level use.
- DogBone<sup>x</sup> is suitable for corrugated materials and plastics
- Wal-Mart, DoD and METRO Group compliant inlay
- Typically converted into 4x6” labels
- Global top-performer
- Up to 240-bit EPC memory
- 64-bit tag identifier (TID) including 32-bit unique serial number

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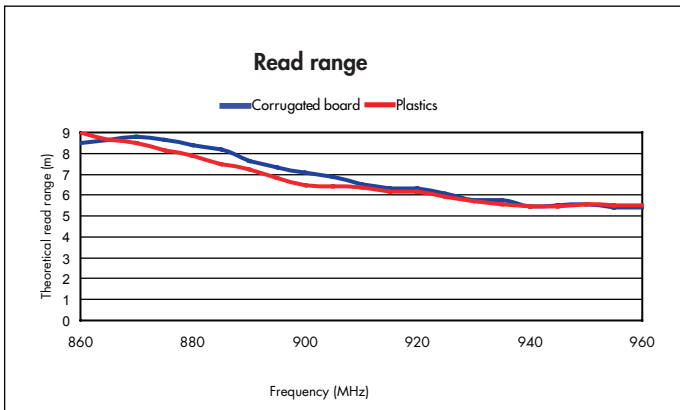
# UPM Raflatac DogBone<sup>x</sup>



Antenna dimensions	
Antenna size	93 x 23 mm / 3.66 x 0.91 inch
Die-cut size	97 x 27 mm / 3.82 x 1.06 inch
Web width	100 mm / 3.94 inch

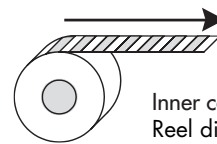
Electrical specifications	
Integrated circuit (IC)	EPC Class 1 Gen 2 compliant
EPC memory	Up to 240 bit
Operating frequency	860–960 MHz
Data retention	100,000 cycle / 50 years

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

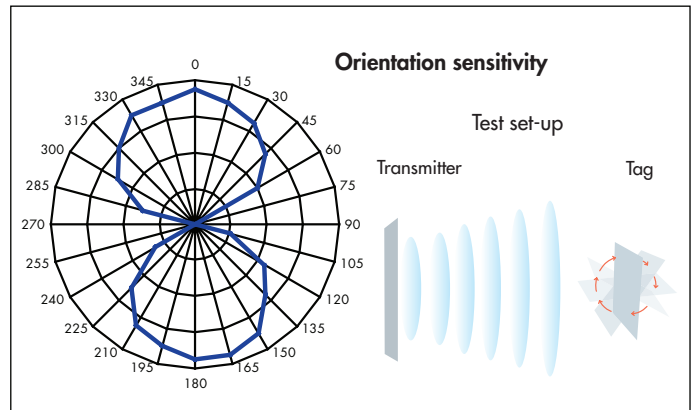


Delivery formats	
Available formats	Dry, wet, tag
Adhesive – temperature	Solvent-free permanent adhesive min. -10 °C to 120 °C min. -14 °F to 248 °F
Quality	100% performance tested

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



Inner core diameter 76 mm / 3 inch  
Reel diameter < 200 mm / 7.9 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.

