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UPM RAFLATAC

Hammer

## UPM Raflatac Hammer

### Protocol

EPC Class 1 Gen 2

### Operating frequency

Global 860–960 MHz

### Antenna size

76.5 x 23 mm /

3.0 x 0.9 inch

### Hammer key features

- With excellent, global performance Hammer is a perfect match for nearmetal hard tag applications.
- The optimal size for tags with a thin spacer (6–9 mm). Hammer fits on credit card sized tags.
- Operating temperature from -40 to +85 °C.
- Good performance in close proximity of highly detuning materials like wood, plastic and glass.

# UPM Raflatac Hammer

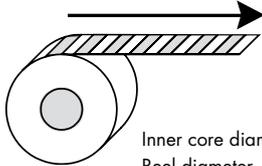


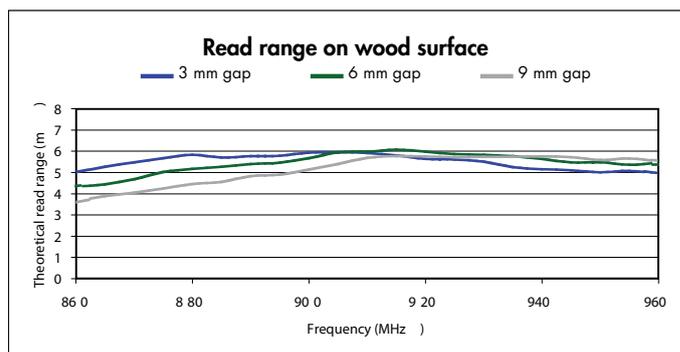
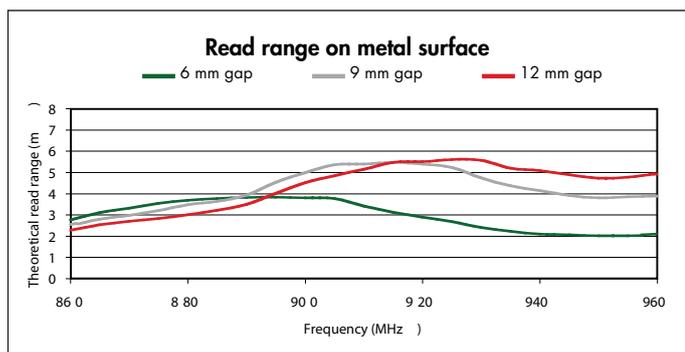
Antenna dimensions	
Antenna size	76.5 x 23 mm / 3.01 x 0.91 inch
Die-cut size	80 x 25 mm / 3.15 x 0.98 inch
Web width	100 mm / 3.94 inch

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
Face material	PET or paper
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
 <p>Inner core diameter 76 mm / 3 inch Reel diameter &lt; 200 mm / 7.9 inch</p>	



The above 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.

