

WE LEAD.
WE LEARN.



UPM Raflatac Belt^x

Protocol

EPC Class 1 Gen 2

Operating frequency

Global 860–960 MHz

Antenna size

70.2 x 14.5 mm /

2.8 x 0.6 inch

Belt^x key features

- Excellent performance for consumer electronics and wide range of Supply Chain Management applications.
- Best suited for case and item-level use.
- With a small form factor, Belt^x fits most common label sizes.
- Up to 240-bit EPC memory.
- 512-bit optional user memory.
- 64-bit tag identifier (TID) including a 32-bit unique serial number.

UPM RAFLATAC

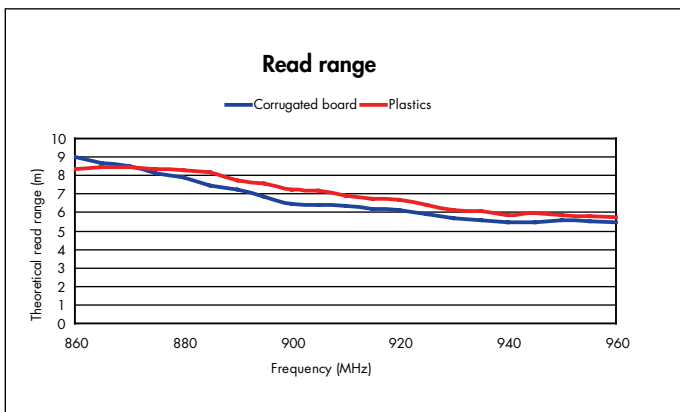
UPM Raflatac Belt^x



Antenna dimensions	
Antenna size	70.2 x 14.5 mm / 2.76 x 0.57 inch
Die-cut size	73.2 x 17 mm / 2.88 x 0.67 inch
Web width	80 mm / 3.15 inch

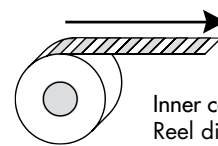
Electrical specifications	
Integrated circuit (IC)	EPC Class 1 Gen 2 compliant
EPC memory	Up to 240 bit
Operating frequency	860–960 MHz
Data retention	10,000 cycle / 10 years

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

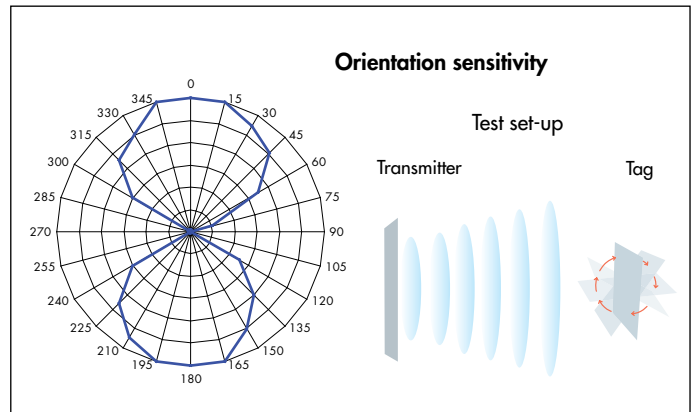


Delivery formats	
Available formats	Dry, wet, tag
Adhesive – temperature	Solvent-free permanent adhesive min. -10 °C to 120 °C min. 14 °F to 248 °F
Quality	100% performance tested

Reel details	
Pieces per reel	10,000 dry or wet inlays / 5,000 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.

