

UPM Belt^x

Protocol

EPC Class 1 Gen 2
ISO 18000-6C

Operating frequency

Global 860–960 MHz

Antenna size

70 x 14 mm /
2.8 x 0.6 inch

Belt^x key features

- Excellent performance in 3" wide inlay.
- Suitable for apparel and supply chain management applications.
- Available with NXP U-Code G2iL and G2iL+ IC platforms.

UPM Belt^x



RoHS



Antenna dimensions

Antenna size	70 x 14 mm / 2.76 x 0.55"
Die-cut size	73 x 17 mm / 2.87 x 0.67"
Web width	80 mm / 3.15"

Electrical specifications

IC	NXP U-Code G2iL
EPC memory	128 bit
Operating frequency	860–960 MHz

General characteristics of inlay

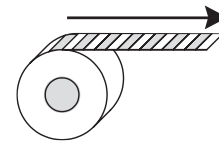
Operating temperature	-40 °C to 85 °C -40 °F to 185 °F
Bending diameter (D)	> 50 mm tension max. 10 N
Static pressure (P)	<10 MPa

Delivery formats

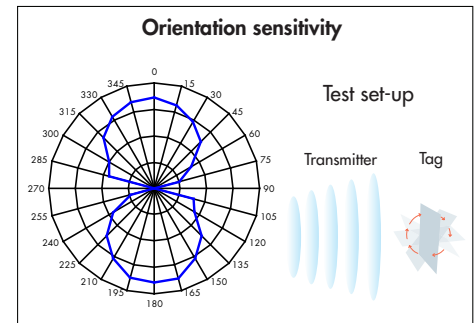
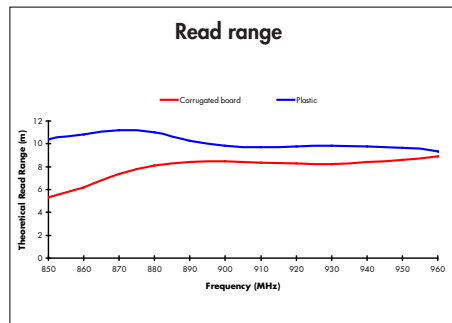
Available formats	Dry, wet, tag
Adhesive – temperature	Solvent-free permanent adhesive min. -10 °C to 120 °C min. 14 °F to 248 °F
Quality	100% performance tested

Reel details

Standard reel size	15,000 dry & wet inlays 5,000 tags
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Inner core diameter 76 mm / 3 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.

