

UPM Satellite™

Protocol

EPC Class 1 Gen 2
ISO 18000-6C

Operating frequency

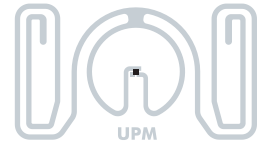
Global 860–960 MHz

Antenna size

32 x 18 mm /
1.3 x 0.7 inch

Satellite™ key features

- Mid-size product ideal for apparel and brand protection applications
- Suitable for small product boxes and items
- Combined Near Field and Far Field performance in one inlay
- Perfect for small product labels



RoHS



Antenna dimensions

Antenna size	32 x 18 mm / 1.26 x 0.71"
Die-cut size	36 x 22 mm / 1.42 x 0.87"
Web width	40 mm / 1.58"

Electrical specifications

IC	Impinj Monza 3
EPC memory	96 bit
Operating frequency	860–960 MHz

General characteristics of inlay

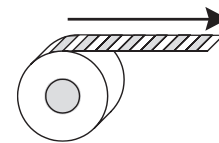
Operating temperature	-40 °C to 85 °C -40 °F to 185 °F
Bending diameter (D)	> 50 mm tension max. 10 N
Static pressure (P)	<10 MPa

Delivery formats

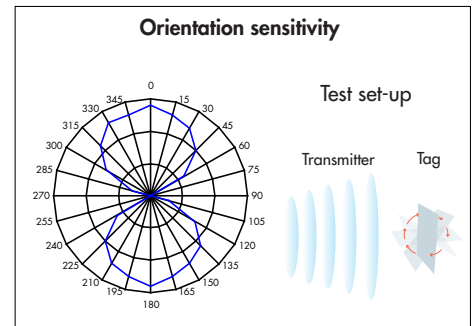
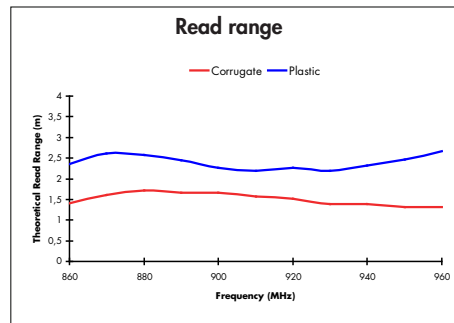
Available formats	Dry, wet
Adhesive - temperature	Solvent-free permanent adhesive min. -10 °C to 120 °C min. 14 °F to 248 °F
Quality	100% performance tested

Reel details

Standard reel size	10,000
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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 RFID 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 RFID 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.

