

## UPM ShortDipole

### Protocol

EPC Class 1 Gen 2

### Operating frequency

Global 860–960 MHz

### Antenna size

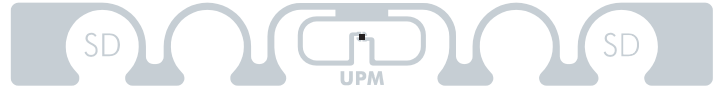
93 x 11 mm /

3.7 x 0.4 inch

### ShortDipole key features

- Improved, stable global performance.
- High quality product for supply chain labels.
- Possibility for different memory options;
  - EPC from 128-bit to 496-bit
  - User memory from 36-bit to 512-bit
- QT™ technology capability.
- Serialised TID.

# UPM ShortDipole



EPCglobal 

RoHS

CE

## Antenna dimensions

Antenna size	93 x 11 mm / 3.66 x 0.43"
Die-cut size	97 x 15 mm / 3.82 x 0.59"
Web width	100 mm / 3.94"

## Electrical specifications

IC	Impinj Monza 4
EPC memory	up to 496 bit
User memory	up to 512 bit
Operating frequency	860-960 MHz

## General characteristics of inlay

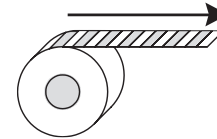
Operating temperature	-40 °C to 85 °C -40 °F to 185 °F
Bending diameter (D)	> 50 mm tension max. 10 N
Static pressure (P)	<10 MPa

## Delivery formats

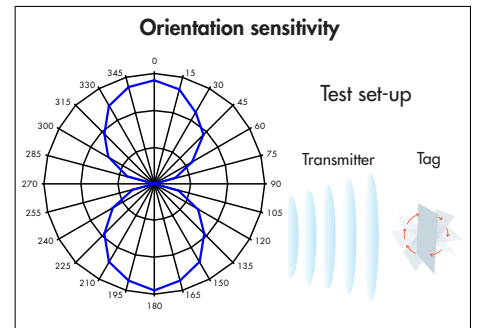
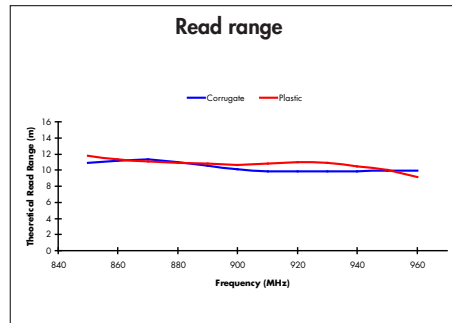
Available formats	Dry, wet, tag
Adhesive - temperature	Solvent-free permanent adhesive min. -10 °C to 120 °C min. 14 °F to 248 °F
Quality	100% performance tested

## Reel details

Standard reel size	20,000 dry or wet inlays / 5,000 tags
--------------------	--



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.

