

ShortDipole Paper Tag

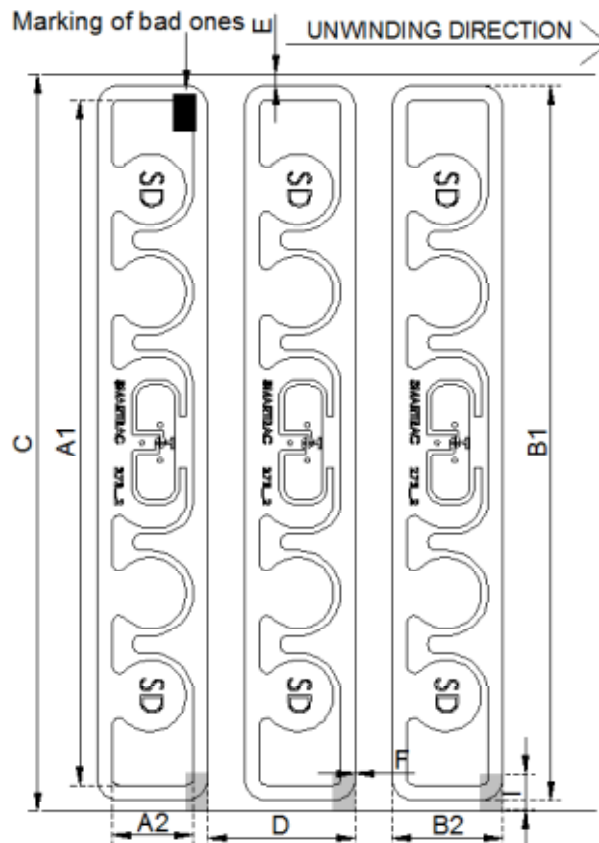
EPC Class 1 Gen 2, ISO 18 000-6C

Impinj Monza 4D

Sales code 3002007

Mechanical dimensions

| | | | | |
|---------|--|------------|----------|------------------|
| A1 x A2 | Antenna size | 93 x 11 mm | ± 0,5 mm | 3,661 x 0,433 in |
| B1 x B2 | Die-cut size | 97 x 15 mm | ± 0,2 mm | 3,819 x 0,591 in |
| C | Web width | 100 mm | ± 0,5 mm | 3,937 in |
| D | Pitch, length per piece MD | 20 mm | ± 1,5 mm | 0,787 in |
| E | Die-cut to web edge | 1,5 mm | ± 1,5 mm | 0,059 in |
| F | Die-cut to register mark | 0 mm | ± 1,0 mm | 0,000 in |
| I | Minimum size of register mark (width x length) | 5 x 3 mm | | 0,197 x 0,118 in |
| U | Die-cut corner radius | 3 mm | | 0,118 in |



Electrical characteristics

| | | |
|-------------------------|----------------------------------|--|
| Integrated Circuit (IC) | Impinj Monza 4D | |
| Air interface protocol | EPC Class 1 Gen 2, ISO 18 000-6C | |
| Operation frequency | 860 - 960 MHz | |
| Memory | 128 bit EPC plus 32 bit | |

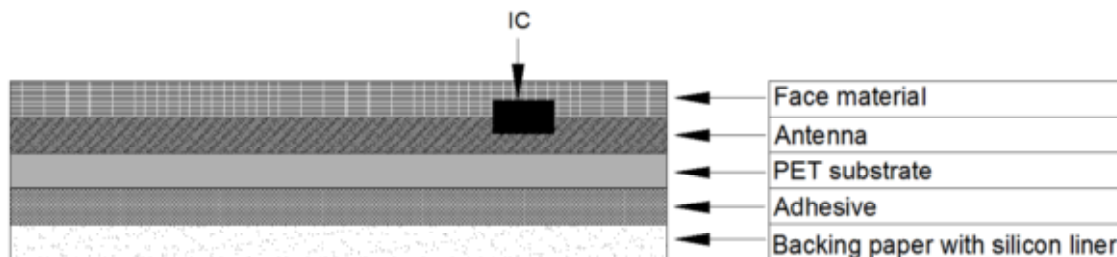
General characteristics of transponder

| | | |
|---|---------------------------------|-----------------|
| Operating temperature (electronics parts) | -40 °C / +85 °C | -40 °F / 185 °F |
| ESD voltage immunity | ± 2 kV peak HBM | |
| Shelf life: From the date of manufacture 2 years in | +20 °C, 50 % RH | 68 °F, 50 % RH |
| Bending diameter (D) | > 50 mm, tension less than 10 N | |

Delivery form

| | | |
|------------------------------|---|----------------|
| Transponder format | Die-cut | |
| Transponder face material | Opaque Matt Paper 79 | |
| Transponder antenna material | Aluminum | |
| Transponder adhesive | RA-2 | |
| - labelling temperature | min. +5 °C | min. +41 °F |
| - usage temperature | -40°C - 150 °C | -40°F - 302 °F |
| - peel | min. 15 N / 25 mm (FTM 1) | |
| Final inspection | 100 %, known faulty ones marked | |
| Minimum delivery yield | 97 % | |
| Reel Label | Reel number, Material number, Material description, Yield, Qty of functional inlays, Qty of non-functional inlays, Date | |

Structure



Delivery details

| | |
|---------------------|--|
| Appearance | Single row reel form |
| Reel core | Paper core inner diameter 76 mm (3 in) |
| Winding of the reel | Face out |
| Reel size | 5000 pcs/reel Diameter: < 205 mm |
| Package size | 5000 pcs/box Deliveries only in full packages. |

Disclaimer:

SMARTRAC reserves the right to change its products and services at any time without notice. Our recommendations are based on our best knowledge and experience. As the products are used outside our control we cannot take responsibility for any damage that may be caused when using the product. Use extra care in handling the product.

This technical specification replaces all earlier ones.

| | |
|-------------|-------------------------------|
| Version | 3 |
| Update date | 20 August 2012 |
| Author | SMARTRAC / k731743 |
| Approved | SMARTRAC / 31.08.2012 k036773 |

