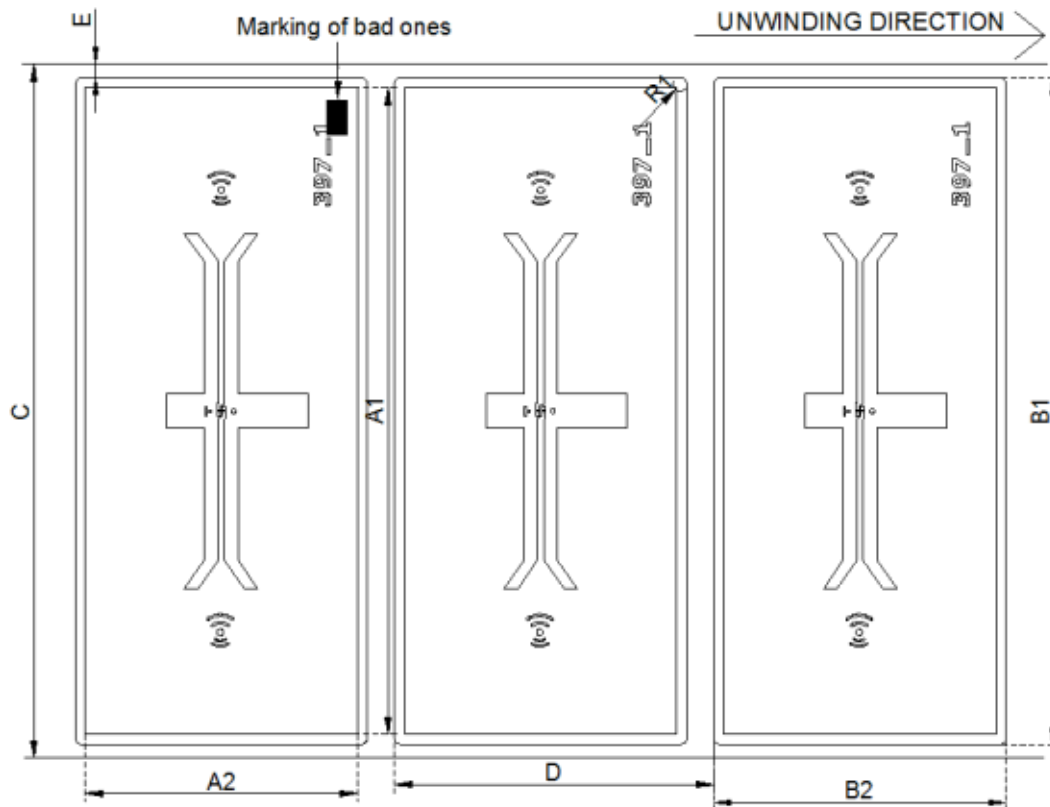


On-Metal ETSI White Wet Inlay
 EPC Class 1 Gen 2, ISO 18 000-6C
 Impinj Monza 4QT
 Sales code 3002522

Mechanical dimensions

| | | | | |
|---------|---|------------|----------|------------------|
| A1 x A2 | Antenna size | 95 x 40 mm | ± 0,5 mm | 3,740 x 1,575 in |
| B1 x B2 | Die-cut size | 98 x 43 mm | ± 0,2 mm | 3,858 x 1,693 in |
| C | Web width | 102 mm | ± 0,5 mm | 4,016 in |
| D | Pitch, length per piece MD | 47 mm | ± 1,5 mm | 1,850 in |
| E | Die-cut to web edge | 2 mm | ± 1,5 mm | 0,079 in |
| | Overall thickness of the transponder package (excluding IC and siliconized paper) | 600 µm | ± 10 % | |



Electrical characteristics

| | | |
|-------------------------|----------------------------------|--|
| Integrated Circuit (IC) | Impinj Monza 4QT | |
| Air interface protocol | EPC Class 1 Gen 2, ISO 18 000-6C | |
| Operation frequency | ETSI | |
| Memory | 128 bit EPC + 512 bit | |

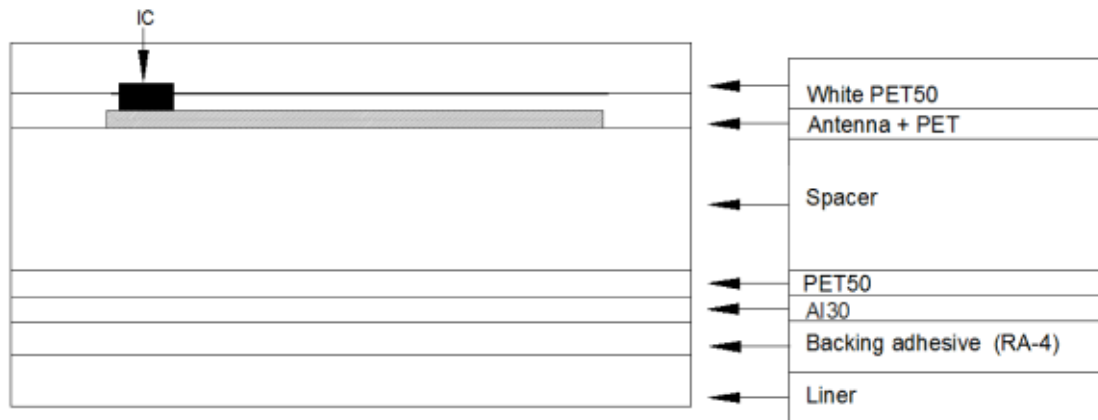
General characteristics of transponder

| | | |
|---|---------------------------------|-----------------|
| 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 | White PET 50 | |
| Transponder antenna material | Aluminum | |
| Transponder adhesive | RA-4 | |
| - labelling temperature | min. +5 °C | min. 41 °F |
| - usage temperature | -10 °C - 90 °C | 14 °F - 194 °F |
| - peel | min. 10 N / 25 mm (FTM 1) | |
| Final inspection | 100 %, known faulty ones marked | |
| Minimum delivery yield | 95 % | |
| 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 |
| Package size | 500 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 | 10 |
| Update date | 31 October 2014 |
| Author | SMARTRAC / k731743 |
| Approved | SMARTRAC / 31.10.2014 k734581 |

