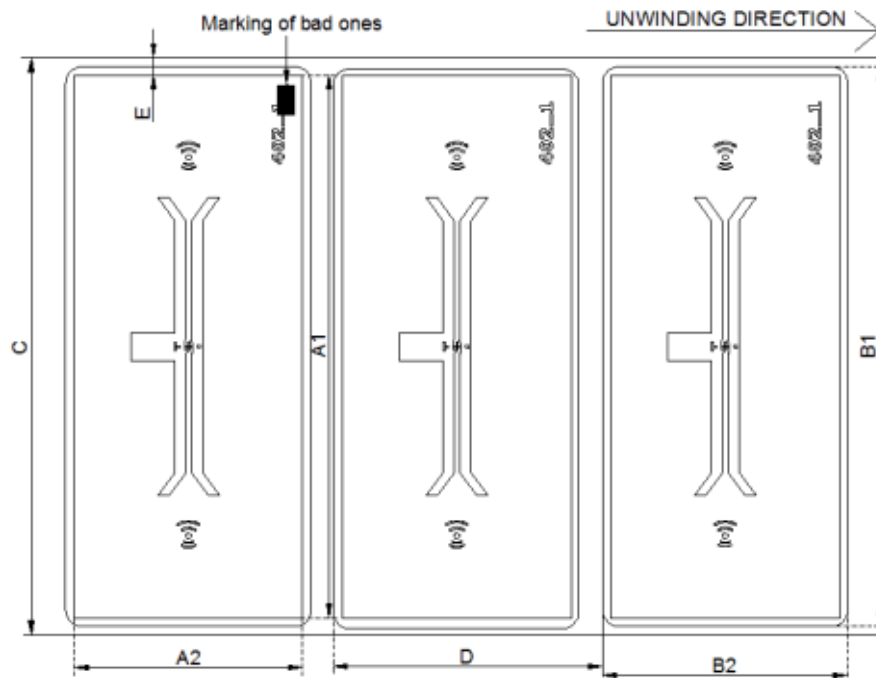


On-Metal FCC White Wet Inlay  
 EPC Class 1 Gen 2, ISO 18 000-6C  
 Impinj Monza 4QT  
 Sales code 3003081

### 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	FCC
Memory	128 bit EPC + 512 bit

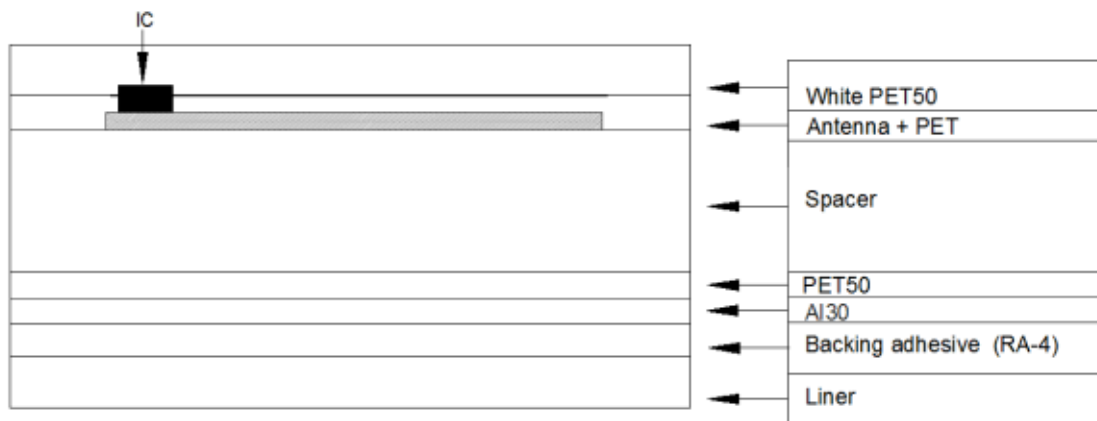
### General characteristics of transponder

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. 19 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	3
Update date	31 October 2014
Author	SMARTRAC / k731743
Approved	SMARTRAC / 31.10.2014 k734581

