

Frog 3D Paper Tag

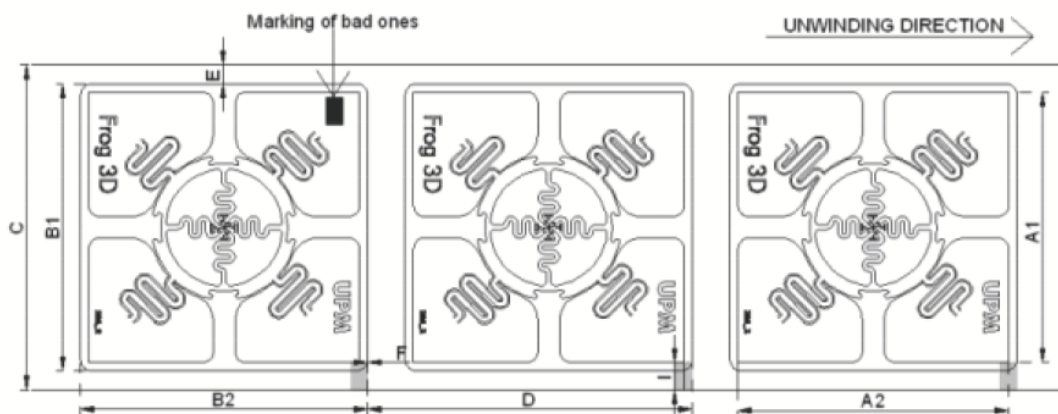
EPC Class 1 Gen 2, ISO 18 000-6C

Impinj Monza 4D

Sales code 3002016

### Mechanical dimensions

A1 x A2	Antenna size	50 x 50 mm	± 0,5 mm	1,969 x 1,969 in
B1 x B2	Die-cut size	53 x 53 mm	± 0,2 mm	2,087 x 2,087 in
C	Web width	60 mm	± 0,5 mm	2,362 in
D	Pitch, length per piece MD	60 mm	± 1,5 mm	2,362 in
E	Die-cut to web edge	3,5 mm	± 1,5 mm	0,138 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



### 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

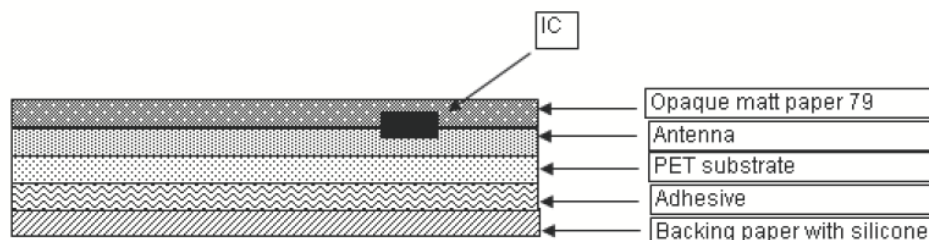
### General characteristics of transponder

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. 8 N / 25 mm (FTM 2)	
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, time	

### Structure



### Delivery details

Appearance	Single row reel form
Reel core	Card board core, inner diameter 76 mm (3 in)
Winding of the reel	Face out
Reel size	2500 pcs/reel
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 21 June 2011  
 Author SMARTRAC / k731743  
 Approved SMARTRAC / 21.06.2011 k036052

