



UPM RFID

Product Specification

Frog 3D Dry Inlay

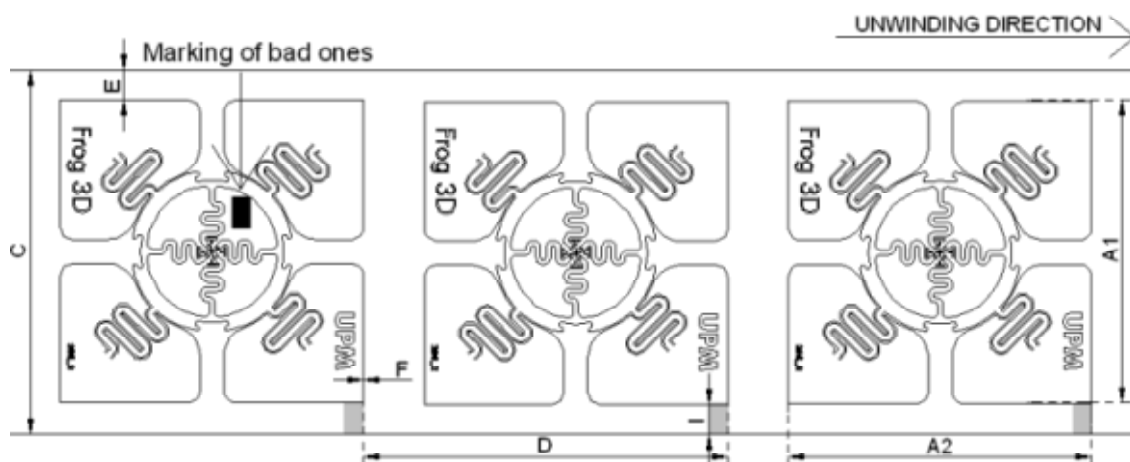
EPC Class 1 Gen 2, ISO 18 000-6C

Impinj Monza 4D

Sales code 3002014

#### Mechanical dimensions

A1 x A2	Antenna size	50 x 50 mm	± 0,5 mm	1,969 x 1,969 in
C	Web width	60 mm	± 0,5 mm	2,362 in
D	Pitch, length per piece MD	60 mm	± 0,5 mm	2,362 in
E	Antenna coil to web edge	5 mm	± 1,0 mm	0,197 in
F	Antenna 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

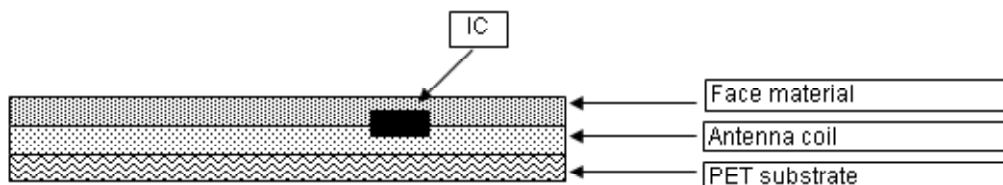
#### General characteristics of transponder

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	
Static pressure (P)	< 10 MPa (10 N/mm²)	

### Delivery form

Transponder format	Continuous 1-wide
Transponder face material	Clear PET 12
Transponder antenna material	Aluminum
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	5000 (0% -- +5%) pcs/reel
Package size	5000 pcs/box Deliveries only in full packages.

#### Disclaimer:

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This technical specification replaces all earlier ones.

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