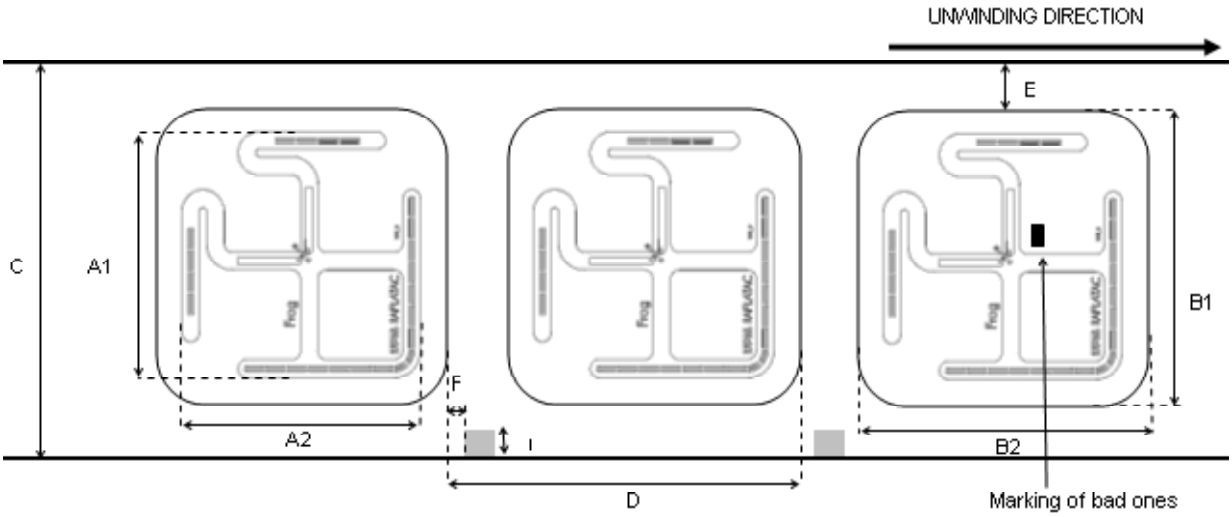
UPM Raflatac

Product Specification

Frog Wet Inlay
EPC Class 1 Gen 2
Sales code 3001210

Mechanical dimensions

A1 x A2	Antenna size	68 x 68 mm	± 0,5 mm	2,677 x 2,677 in
B1 x B2	Die-cut size	76,2 x 76,2 mm	± 0,2 mm	3,000 x 3,000 in
C	Web width	80 mm	± 0,5 mm	3,150 in
D	Pitch, length per piece MD	80 mm	± 1,5 mm	3,150 in
E	Die-cut to web edge	2 mm	± 1,5 mm	0,079 in
F	Die-cut to register mark	0,5 mm	± 1,0 mm	0,020 in
I	Minimum size of register mark (width x length)	5 x 3 mm		0,197 x 0,118 in



Electrical characteristics

IC's protocol	EPC Class 1 Gen 2
Operation frequency	860 - 960 MHz
Memory	96 bit

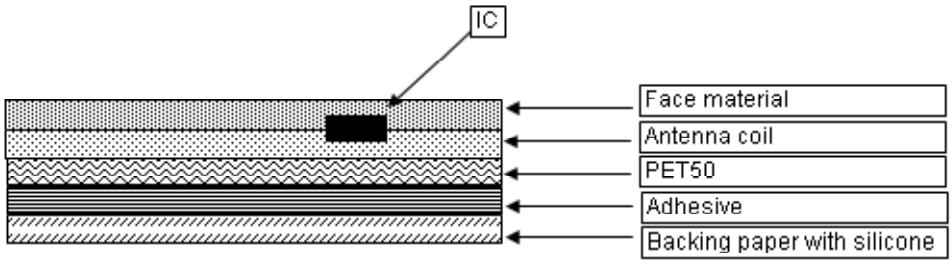
General characteristics of transponder

Operating temperature (electronics parts)	-40 ℃ / +65 ℃	-40 ℉ / 149 ℉
ESD voltage immunity	± 2 kV peak HBM	
Shelf life: From the date of manufacture 2 years in	+20 ℃, 50 % RH	68 ℉, 50 % RH
Bending diameter (D)	> 50 mm, tension less than 10 N	
Static pressure (P)	< 10 MPa (10 N/mm²)	

Delivery form

Transponder format	Die-cut	
Transponder face material	Clear PET 12	
Transponder antenna material	Aluminum	
Transponder adhesive	RA-2	
- labelling temperature	min. +5 ℃	min. 41 ℉
- usage temperature	-10 ℃ - 120 ℃	14 ℉ - 248 ℉
- peel	min. 8 N / 25 mm (FTM 2)	
Final inspection	100 %, known faulty ones marked	
Minimum delivery yield	97 %	
Reel label	Reel number, product number, quantity of passed tags, prod. order number, yield and date	

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	3000 pcs/reel

This technical specification replaces all earlier ones.

Version	1
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