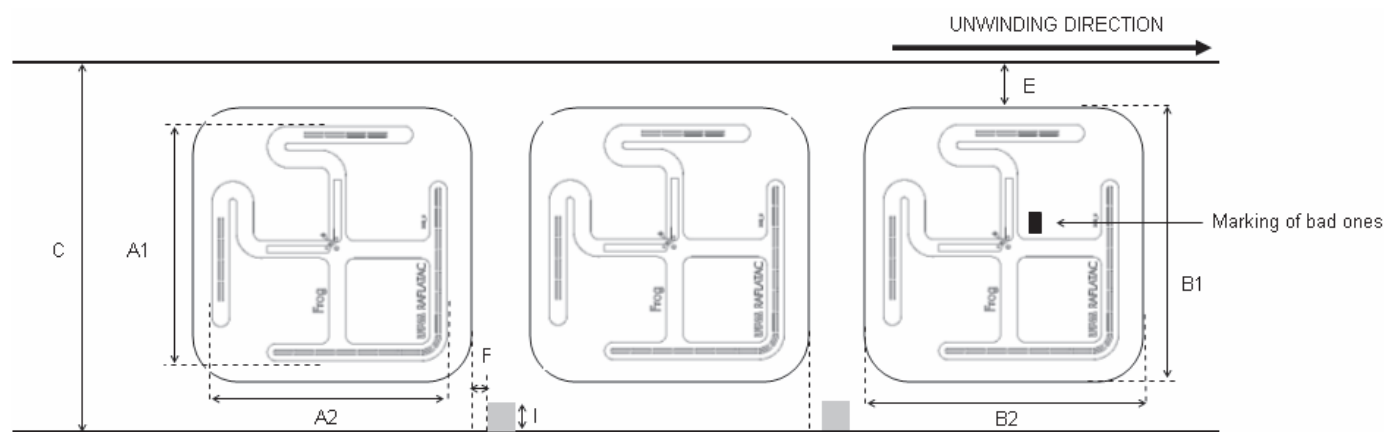


Mechanical dimensions

A1	Antenna width	$68 \pm 0,2$ [mm]	2,68 [inch]
A2	Antenna length	$68 \pm 0,2$ [mm]	2,68 [inch]
B1	Die-cut width	$76,2 \pm 0,2$ [mm]	3 [inch]
B2	Die-cut length	$76,2 \pm 0,2$ [mm]	3 [inch]
C	Web width	80 ± 1 [mm]	3,15 [inch]
D	Pitch length per piece	80 ± 1 [mm]	3,15 [inch]
E	Die-cut to web edge	2 ± 1 [mm]	0,08 [inch]
F	Die-cut to register mark	$0,5 \pm 0,5$ [mm]	0,020 [inch]
I	Minimum size of register mark	5 x 3 [mm]	0,20 x 0,12 [inch]



Electrical characteristics

Integrated Circuit (IC)	EPC Class 1 Gen 2 compliant
Total memory	96 bit
Operating frequency	860-960 MHz

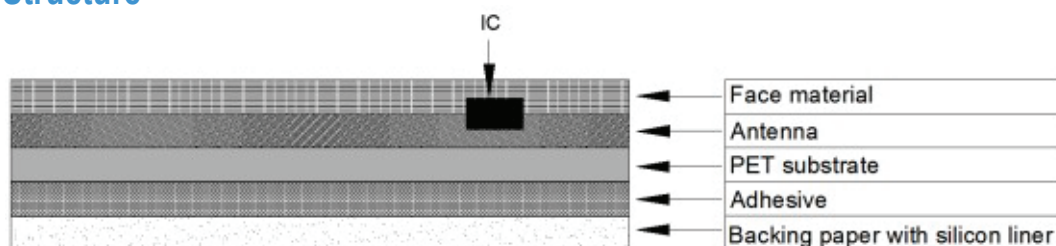
General characteristics of transponder

Operating temperature (electronics parts)	-40°C/+65°C	-40°F/+149°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/mm ²)	

Delivery form

Transponder format	Die-cut
Transponder face material	Clear PET12
Transponder antenna material	Aluminum
Transponder adhesive	RA-2
- labeling temperature	min. +5°C
- usage temperature	min. -10°C-120°C
- peel	min. 8 N/25mm (FTM 2)
Final inspection	100%, known faulty ones marked
Delivery yield	min. 97%

Structure



Delivery details

Appearance	Single row reel form
Reel labeling	Reel number, product number, amount, production order number, yield and date
Reel core	Card board core, inner diameter 76mm (3")
Winding of reel	Face out