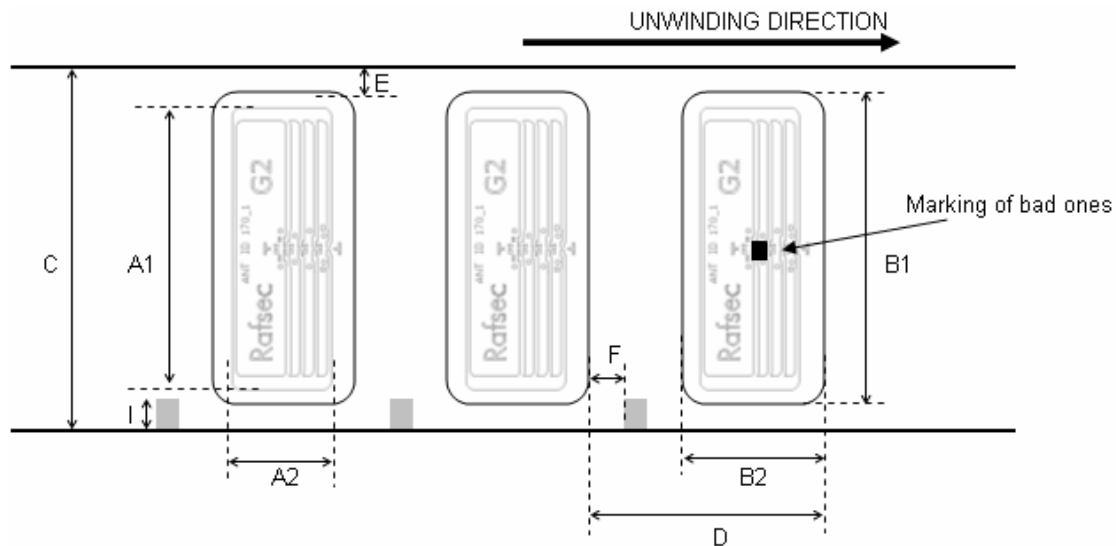


Rafsec UHF 35x15
Wet Inlay, FCC high load
UHF C1G2 EPC
Sales code 3000934

Preliminary Product Specification

Mechanical dimensions

A1	Antenna width	31 ± 0,2	[mm]	1.22	[inch]
A2	Antenna length	11 ± 0,2	[mm]	0.43	[inch]
B1	Die-cut width	35 ± 0,2	[mm]	1.38	[inch]
B2	Die-cut length	15 ± 0,2	[mm]	0.59	[inch]
C	Web width	40 ± 1	[mm]	1.57	[inch]
D	Pitch length per piece	20 ± 3	[mm]	0.79	[inch]
E	Die-cut to web edge	2,5 ± 1	[mm]	0.10	[inch]
F	Die-cut to register mark	1 ± 1	[mm]	0.04	[inch]
I	Minimum size of register mark (width x length)	5x3	[mm]	0.20x0.12	[inch]



Electrical characteristics

Integrated Circuit (IC)	EPC Class 1 Gen 2 compliant
Total memory	512 bit
Operating frequency	902 - 928 MHz
Read Sensitivity	Min. 34 V/m

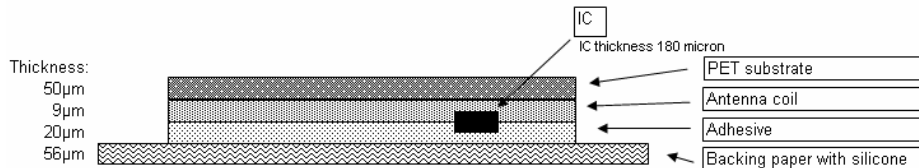
General characteristics of transponder

Operating temperature (electronics parts)	-40°C/+65°C	-40°F/+149°F
ESD voltage immunity	+/- 1 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 face material	Clear PET 50	
Transponder antenna material	Aluminum	
Transponder adhesive	RA-2	
- labeling temperature	min. +5°C	min. +41°F
- operation temperature	min. -10°C-120°C	min. 14°F – 248°F
- peel	min. 8 N/25mm (FTM 2)	
Final inspection	100%, bad ones marked	
Delivery yield	min. 95%	

Structure



Delivery details

Appearance	Single row reel form
Documentation	Certificate of analysis (COA)
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

Disclaimer:

UPM Raflatac 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.

Version	1.0	This technical specification replaces all earlier ones.
Update date	2006-07-06	
Author	UPM Raflatac, RFID / AKu	
Accepted	UPM Raflatac, RFID / TKo	



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