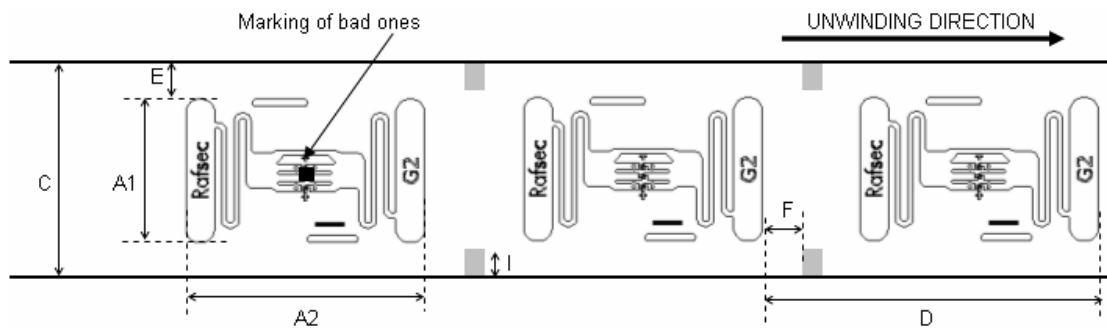


Rafsec Web
Dry Inlay, Global
UHF C1G2 EPC
Sales code 3000857

Product Specification

Mechanical dimensions

A1	Antenna width	30 ± 0,2	[mm]	1.12	[inch]
A2	Antenna length	50 ± 0,2	[mm]	1.97	[inch]
C	Web width	40 ± 1	[mm]	1.57	[inch]
D	Pitch length per piece	60 ± 1	[mm]	2.36	[inch]
E	Antenna to web edge	5 ± 2	[mm]	0.2	[inch]
F	Antenna to register mark	3,5 ± 1	[mm]	0.14	[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	96 bit
Operating frequency	860-960 MHz
Read sensitivity	Min. 3,5 V/m

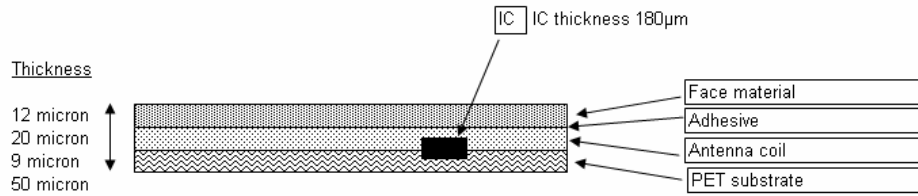
General characteristics of transponder

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 12
Transponder antenna material	Aluminum
Final inspection	100%, bad ones marked with ink jet
Delivery yield	min. 95%

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 in

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.

This technical specification replaces all earlier ones.

Version	1.5
Update date	2006-12-13
Author	UPM Raflatac, RFID / MSo
Accepted	UPM Raflatac, RFID / TKo