

MiniTrack Dry Inlay

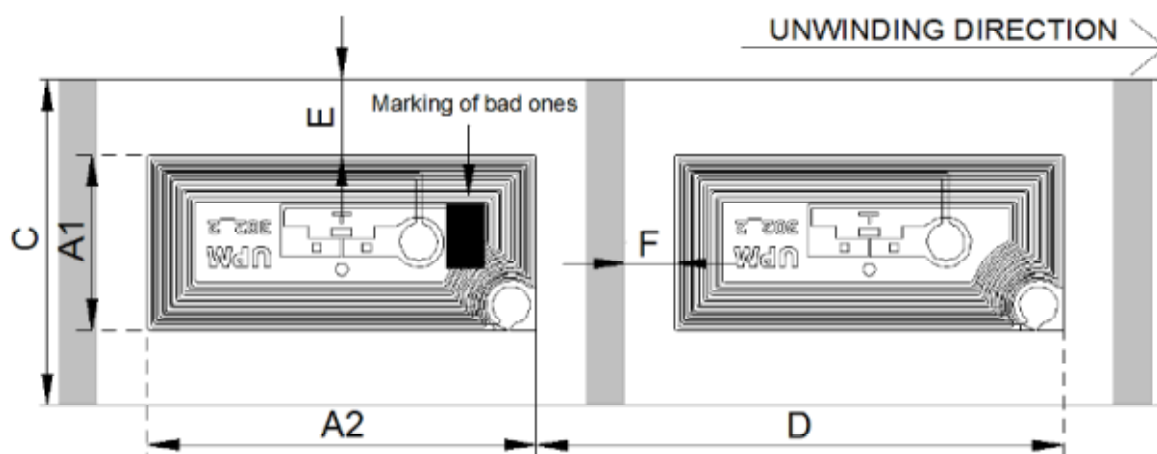
ISO 15 693, ISO 18 000-3 Mode 1

NXP ICode SLIX

Sales code 3002081

Mechanical dimensions

A1 x A2	Coil size	14 x 31 mm	± 0,5 mm	0,551 x 1,220 in
C	Web width	26 mm	± 0,5 mm	1,024 in
D	Pitch, length per piece MD	42 mm	± 0,5 mm	1,654 in
E	Antenna to web edge	6 mm	± 1,0 mm	0,236 in
F	Antenna to register mark	4 mm	± 1,0 mm	0,157 in
	Thickness of the IC	120 µm	± 15 %	
	Overall thickness of transponder package (excluding IC and siliconized paper)	116 µm	± 10 %	



Electrical characteristics

Integrated Circuit (IC)	NXP ICode SLIX
Air interface protocol	ISO 15 693, ISO 18 000-3 Mode 1
Operation frequency	13,56 MHz
Unloaded resonance frequency	13,90 MHz ± 0,35 MHz
Memory	1k bit

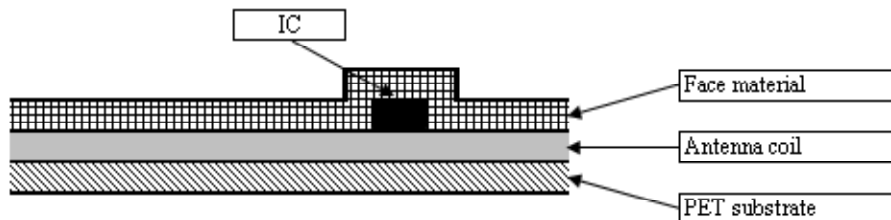
General characteristics of transponder

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	

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	95 %
Reel label	Reel number, Material number, Material description, Yield, qty of functional inlays, qty of non-functional inlays, date, time
Printability	Needs to be tested by customer

Structure



Delivery details

Appearance	Single row reel form
Reel core	Paper core inner diameter 76 mm (3 in)
Transponder alignment	Chip in the middle of transponder
Winding of the reel	Face out
Package size	10000 pcs/box Deliveries only in full packages.

Disclaimer:

SMARTRAC 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. Use extra care in handling the product.

This technical specification replaces all earlier ones.

Version 3
 Update date 28 February 2012
 Author SMARTRAC / k731743
 Approved SMARTRAC / 28.02.2012 k737920

