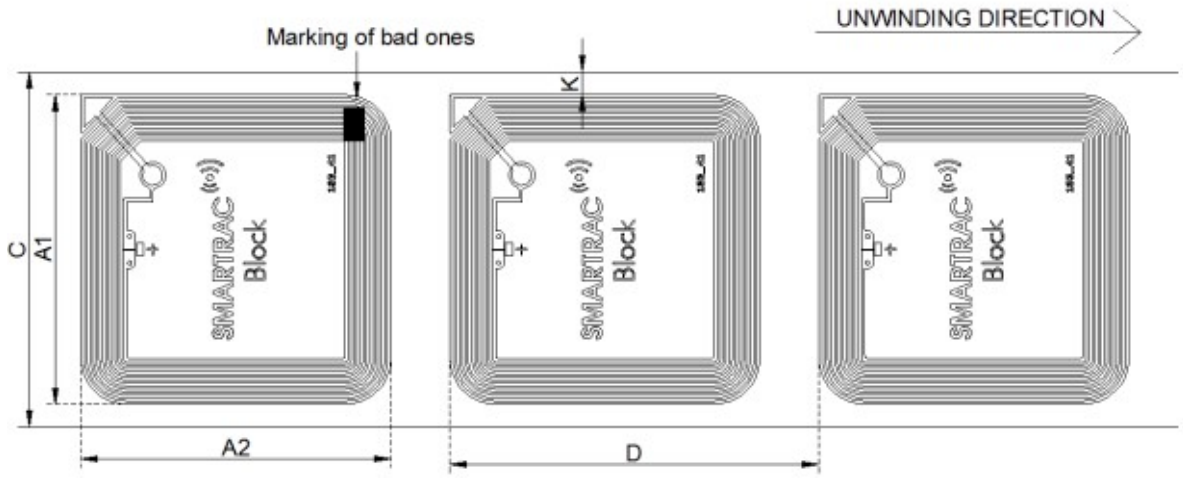
SMARTRAC
connect things

Product Specification

Block Dry Inlay
ISO 15 693, ISO 18 000-3 Mode 1
NXP ICode SLIX
Sales code 3002080

Mechanical dimensions

A1 x A2	Antenna size	47 x 47 mm	± 0,5 mm	1,850 x 1,850 in
C	Web width	54 mm	± 0,5 mm	2,126 in
D	Pitch, length per piece MD	56 mm	± 0,5 mm	2,205 in
K	Antenna to web edge	3,5 mm	± 1,0 mm	0,138 in
	Thickness of the IC	120 µm	± 15 %	
	Overall thickness of transponder package (excluding IC)	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	14,15 MHz ± 0,35 MHz
Memory	896 bits user memory

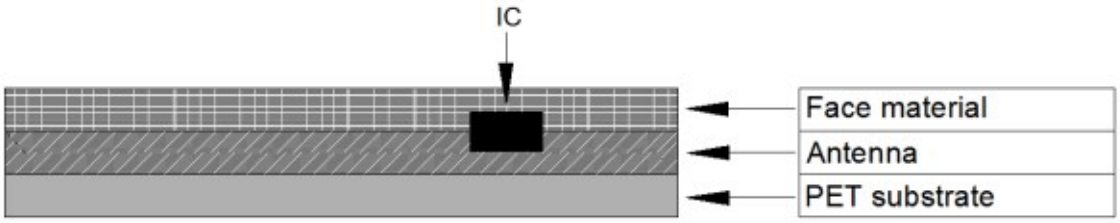
General characteristics of transponder

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 backing material	PET
Transponder antenna material	Aluminum
Final inspection	100 %, known faulty ones marked
Minimum delivery yield	97 %
Reel Label	Reel number, Material number, Material description, Yield, Qty of functional inlays, Qty of non-functional inlays, Date
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 at rear of transponder
Winding of the reel	Face out
Package size	10000 pcs/box Deliveries only in full packages.

This technical specification replaces all earlier ones.

Version	2
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Approved	SMARTRAC / 04.09.2012 Mervi Väisänen/Smartrac