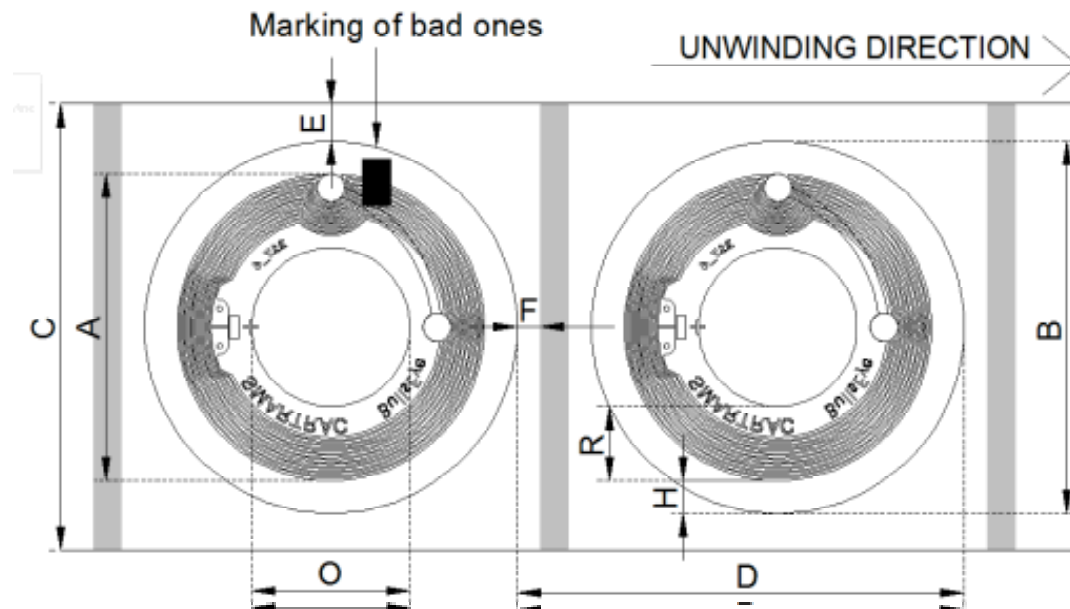


Article No: 95020

RFID label for DVD,CD and Blu-ray.

Mechanical dimensions

A	Antenna size	33 mm	± 0,5 mm	1,299 in
B	Die-cut size	40 mm	± 0,2 mm	1,575 in
C	Web width	48 mm	± 0,5 mm	1,890 in
D	Pitch, length per piece MD	48 mm	± 1,5 mm	1,890 in
E	Die-cut to web edge	4 mm	± 1,5 mm	0,157 in
F	Die-cut to register mark	2,5 mm	± 1,0 mm	0,098 in
H	Antenna to die-cut (CD)	3,5 mm	± 1,5 mm	0,138 in
R	Antenna to hole	8 mm	± 1,5 mm	0,315 in
O	Hole diameter	17 mm	± 0,2 mm	0,630 in
	Thickness of the IC	120 µm	± 15 %	
	Overall thickness of transponder package	201 µm	± 10 %	
	Thickness of the siliconized paper	56 µm	± 5 %	



Electrical characteristics

Integrated Circuit (IC)	NXP ICode SLIX
Air interface protocol	ISO 15693, ISO 18000-3 Mode 1
Operation frequency	13,56 MHz
Unloaded resonance frequency	14,70 MHz ± 0,35 MHz
Memory	1K bit
Security supported	AFI / EAS

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General characteristics of transponder

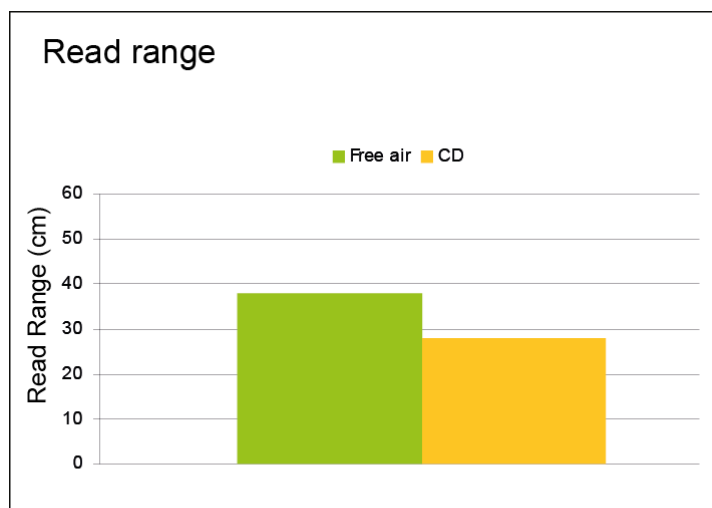
Operating temperature (electronics parts)	-40 °C / +85 °C	-40 °F / 185 °F
ESD voltage immunity	± 2 kV peak HBM	
Shelf life: From the date of manufacture 2 years in	+20 °C, 50 % RH	68 °F, 50 % RH
Bending diameter (D)	> 50 mm, tension less than 10 N	

Delivery form

Transponder format	Die-cut	
Transponder face material	Opaque Matt Paper 79	
Transponder backing material	Siliconized Paper 56	
Transponder antenna material	Aluminum	
Transponder adhesive	RA-4	
- labelling temperature	min. +5 °C	min. 41 °F
- usage temperature	-10 °C - 90 °C	14 °F - 194 °F
- peel	min. 10 N / 25 mm (FTM 1)	
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	
Printability	Flexography and TTR with selected ribbons. Do not print over IC area	

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
Reel size	2000 pcs/reel Diameter: < 205 mm



All the graphs are indicative: performance in real life applications may vary.

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Option Printing



Sample of Printing.

Printing and programming acc. to the danish data model.