

HF 38 x 22,5 mm Inlay

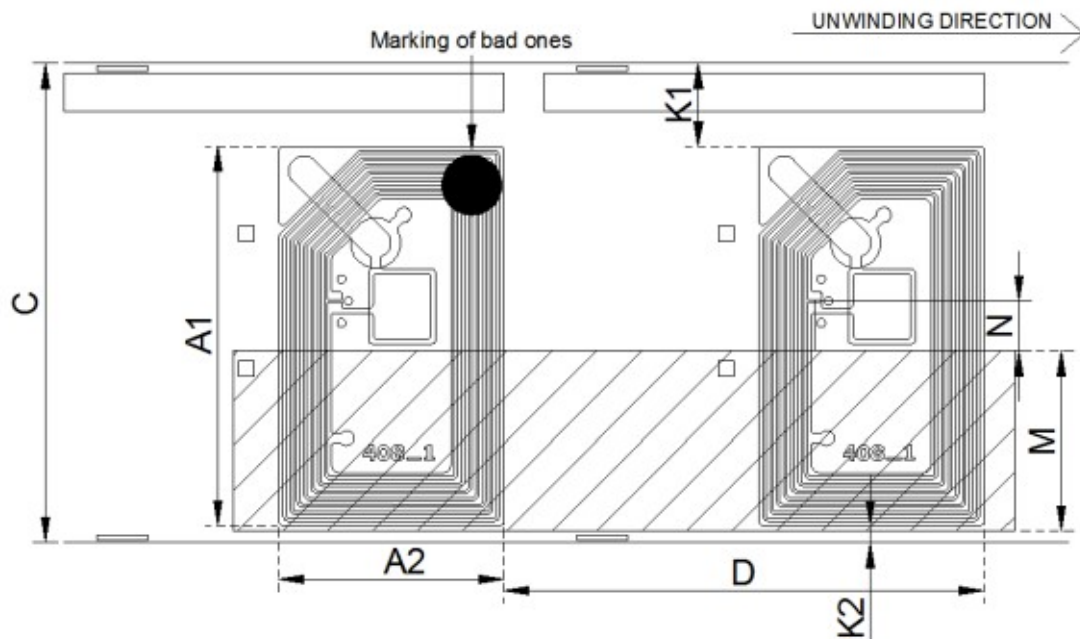
ISO 15 693, ISO 18 000-3 Mode 1

NXP ICode SLIX

Sales code 3003209

Mechanical dimensions

A1 x A2	Antenna size	38 x 22,5 mm	± 0,5 mm	1,496 x 0,886 in
C	Web width	48 mm	± 0,5 mm	1,890 in
D	Pitch, length per piece MD	48 mm	± 0,5 mm	1,890 in
K1	Coil to web edge	8,3 mm	± 1,0 mm	0,327 in
K2	Coil to web edge	1,7 mm	± 1,0 mm	0,067 in
M	Maximum Interleaf width	18 mm		0,709 in
N	Interleaf edge to IC	5 mm	± 2,5 mm	0,197 in
	Thickness of the IC	120 µm	± 15 %	
	Overall thickness of the transponder package (excluding IC and siliconized paper)	86 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	TBD
Memory	896 bits user memory

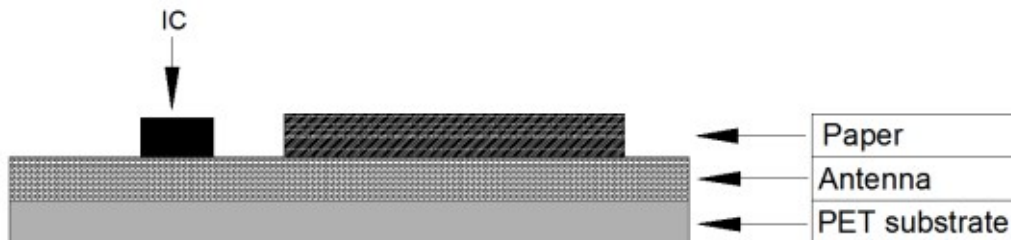
General characteristics of transponder

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	No face
Transponder backing material	PET
Transponder antenna material	Aluminum, crimped coil
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 in front of transponder
Winding of the reel	Face out
Package size	10000 pcs/box Deliveries only in full packages.

Disclaimer:

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This technical specification replaces all earlier ones.

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