

### Belt Wet Inlay

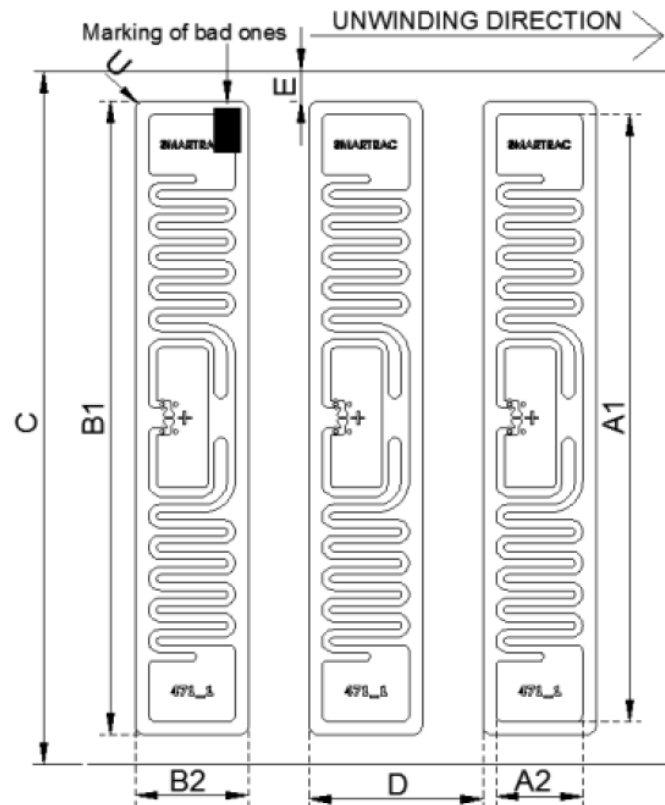
EPC Class 1 Gen 2, ISO 18 000-6C

NXP UCode 7XM

Sales code 3005419

### Mechanical dimensions

A1 x A2	Antenna size	70 x 10 mm	± 0,5 mm	2,756 x 0,394 in
B1 x B2	Die-cut size	73 x 13 mm	± 0,2 mm	2,874 x 0,512 in
C	Web width	80 mm	± 0,5 mm	3,150 in
D	Pitch, length per piece MD	20 mm	± 1,5 mm	0,787 in
E	Die-cut to web edge	3,5 mm	± 1,5 mm	0,138 in
U	Radius	1 mm		0,039 in



### Electrical characteristics

Integrated Circuit (IC)	NXP UCode 7XM
Air interface protocol	EPC Class 1 Gen 2, ISO 18 000-6C
Operation frequency	860 - 960 MHz
Memory	448bit EPC + 2048 bit

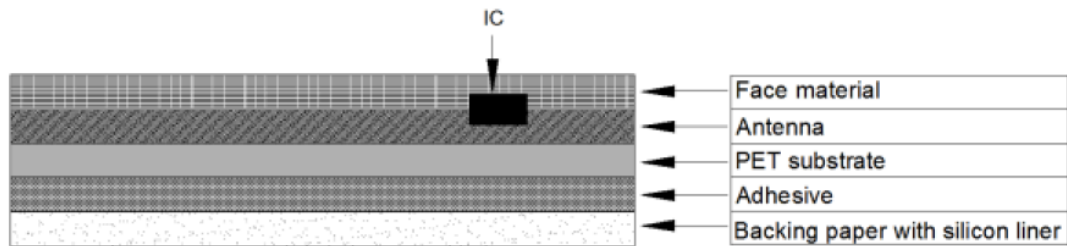
### General characteristics of transponder

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	Die-cut	
Transponder face material	Clear PET 12	
Transponder antenna material	Aluminum	
Transponder adhesive	RA-5	
- labelling temperature	min. +0 °C	min. 32 °F
- usage temperature	-20 °C - 80 °C	-4 °F - 176 °F
- peel	min. 10 N / 25 mm (FTM 1)	
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	

### Structure



### Delivery details

Appearance	Single row reel form
Reel core	Paper core inner diameter 76 mm (3 in)
Winding of the reel	Face out
Reel size	10000 pcs/reel
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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