

Belt Wet Inlay

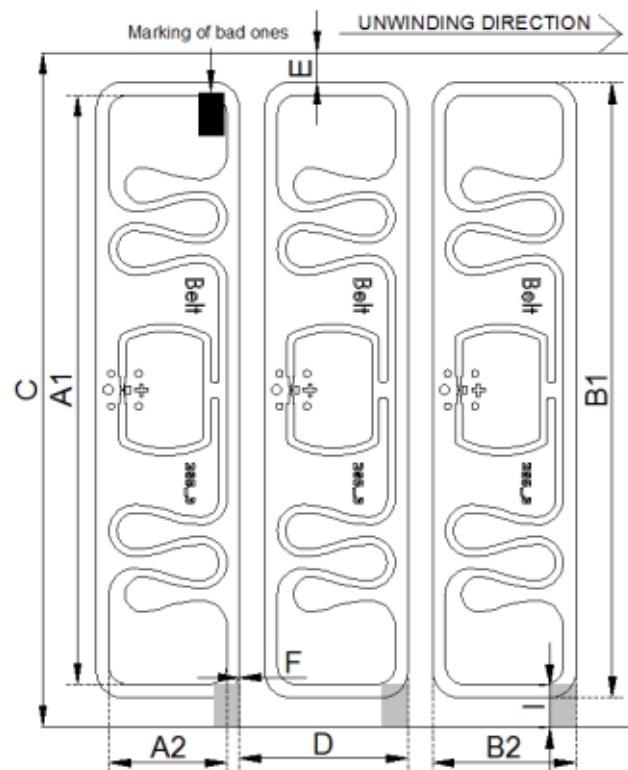
EPC Class 1 Gen 2, ISO 18 000-6C

NXP U-Code G2iM

Sales code 3002228

Mechanical dimensions

A1 x A2	Antenna size	70 x 14 mm	± 0,5 mm	2,756 x 0,551 in
B1 x B2	Die-cut size	73 x 17 mm	± 0,2 mm	2,874 x 0,669 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
F	Die-cut to register mark	0 mm	± 1,0 mm	0,000 in
I	Minimum size of register mark (width x length)	5 x 3 mm		0,197 x 0,118 in



Electrical characteristics

Integrated Circuit (IC)	NXP U-Code G2iM	
Air interface protocol	EPC Class 1 Gen 2, ISO 18 000-6C	
Operation frequency	860 - 960 MHz	
Memory	256 bit EPC + 512 bit	

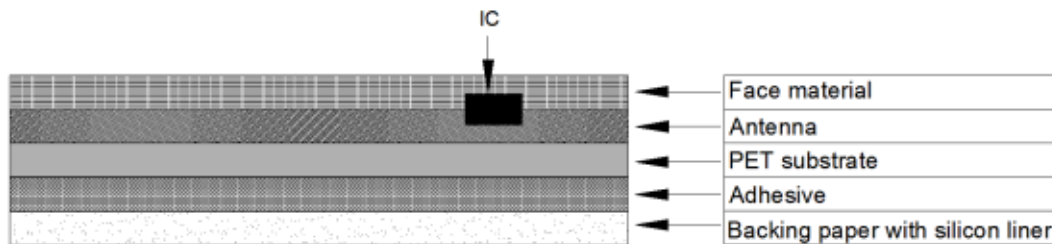
General characteristics of transponder

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	15000 pcs/reel Diameter: < 305 mm
Package size	15000 pcs/box Deliveries only in full packages.

Disclaimer:

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This technical specification replaces all earlier ones.

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