

Jewel Paper Tag

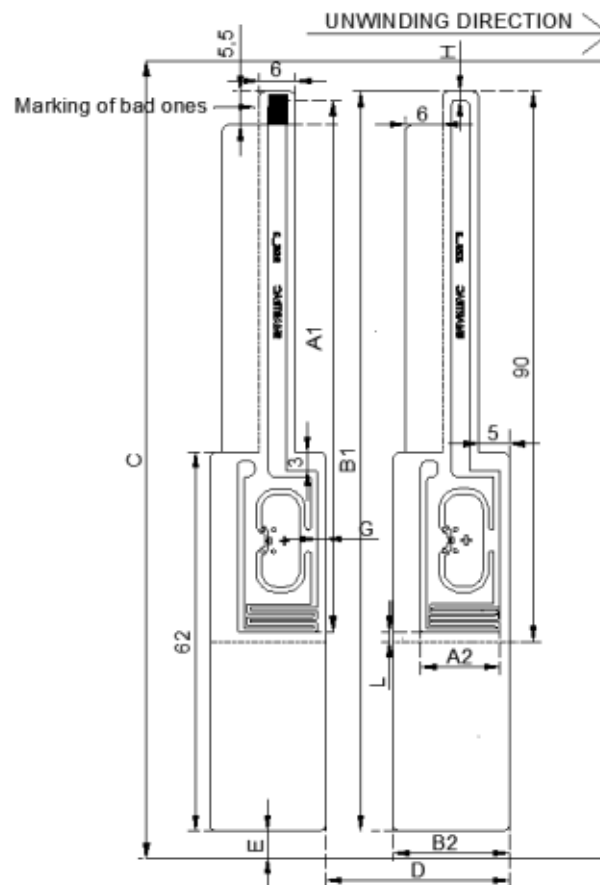
EPC Class 1 Gen 2, ISO 18 000-6C

NXP U-Code G2iL

Sales code 3002259

### Mechanical dimensions

A1 x A2	Antenna size	87 x 13 mm	± 0,5 mm	3,425 x 0,512 in
B1 x B2	Die-cut size	121,1 x 19 mm	± 0,2 mm	4,768 x 0,748 in
C	Web width	130 mm	± 0,5 mm	5,118 in
D	Pitch, length per piece MD	30 mm	± 1,5 mm	1,181 in
E	Die-cut to web edge	4,5 mm	± 1,5 mm	0,177 in
G	Antenna edge to leading edge of die-cut (MD)	1,5 mm	± 1,5 mm	0,059 in
H	Antenna to die-cut (CD)	1,5 mm	± 1,5 mm	0,059 in
L	Antenna to perforation line	1,6	± 1,5	0,059 in
U	Die-cut corner radius	1 mm	± mm	0,039 in



**Electrical characteristics**

Integrated Circuit (IC)	NXP U-Code G2iL	
Air interface protocol	EPC Class 1 Gen 2, ISO 18 000-6C	
Operation frequency	860 - 960 MHz	
Memory	128 bit EPC	

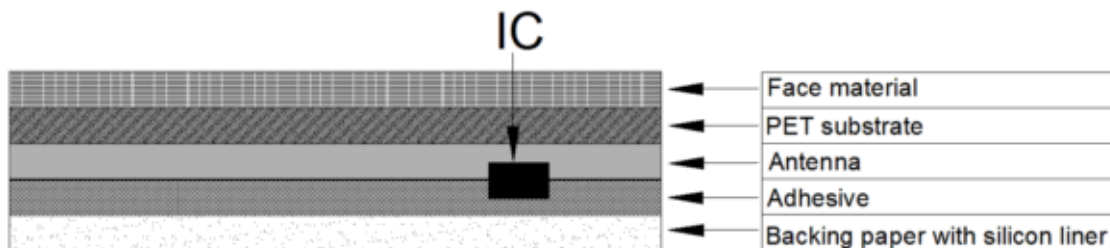
**General characteristics of transponder**

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	Mid-gloss paper	
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	95 %	
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
Package size	5000 pcs/box Deliveries only in full packages.

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This technical specification replaces all earlier ones.

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