

TAG SPECIFICATION

ECO Rack Paper Tag
Sales code 500037
NXP UCODE 8

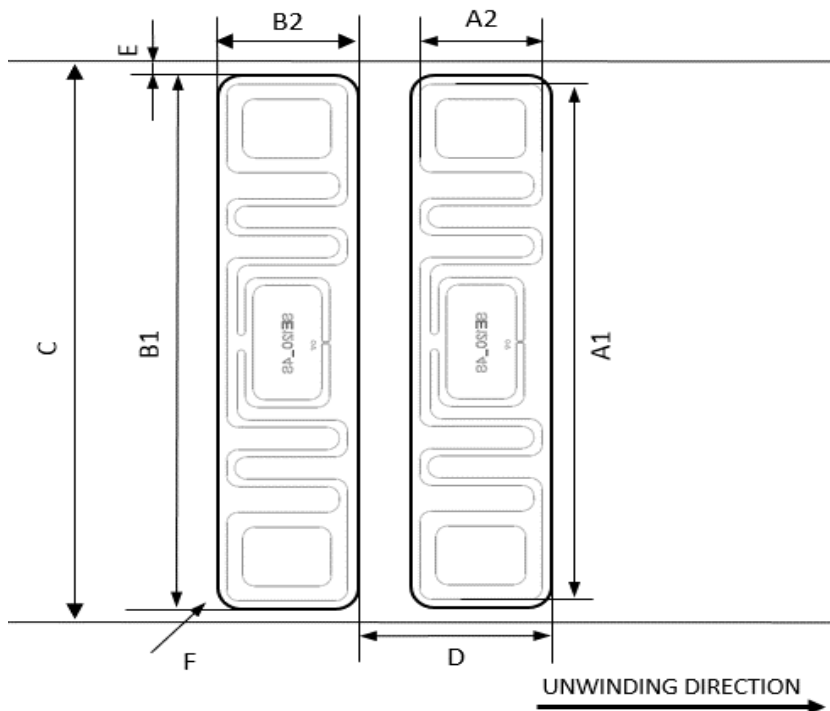


General specification and characteristics

Operating frequency	860-960 MHz
Air interface protocol	EPC Gen2v2, ISO 18 000-63
EPC memory	128 bit
Operating temperature (electronics)	-40 °C...+85 °C / -40 °F...+185 °F
ESD voltage immunity	± 2 kV peak HBM
Shelf life: 1 year (from manufacturing date)	+20 °C / +68 °F, 50 % RH
Bending diameter	> 50 mm, tension less than 10 N

Mechanical specification

Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A1 x A2	Antenna size	70 x 15	± 0,5	2,756 x 0,591
B1 x B2	Die-cut size	72 x 17	± 0,5	2,835 x 0,669
C	Web width	75	± 1,0	2.953
D	Pitch length per piece (MD)	20.32	± 0,5	0.800
E	Die-cut to web edge	1.5	± 1,5	0.059
F	Radius	2	± 0,2	0.079



Cross section



Tag characteristics

Tag format	Die-cut paper label on reel	
Tag face material	White woodfree paper, 101 um	
Tag antenna material	Conductive paste	
Tag adhesive	Permanent PSA	
- Min. labelling temperature	+5 °C	+41 °F
- Service temperature	-5...+60 °C	+23...+140 °F
- Peel min.	3 N / 25 mm (FTM 2)	

Delivery details

Standard delivery yield	> 99%
Minimum delivery yield	> 97%
Appearance	Single row reel form
Reel core	Card board core, inner diameter 76 mm (3 in)
Winding of the reel	Face out
Reel size	5 000 pcs/reel. Diameter: < 204 mm
Package size	20 000 pcs/box. Delivery only in full packages.

Compliances



Disclaimer:

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Version history	Document history	Date	Author
1.0	Created	2/28/2018	KV
1.1	Box size revised	4/22/2019	KV
1.2	Design drawing updated	23.4.32019	KV
1.3	Logo, delivery yield and disclaimer updated	9/28/2021	MKT