

TAG SPECIFICATION

ECO Bumper Paper Tag
Sales code 500025
NXP UCODE 8

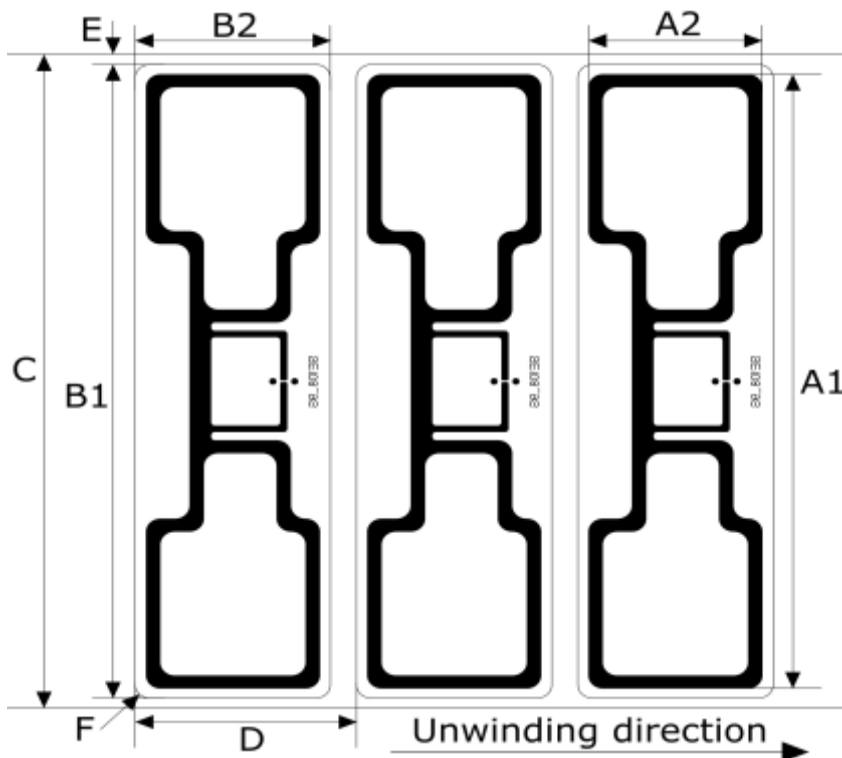


General specification and characteristics

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	94 x 24	± 0,5	3,701 x 0,945
B1 x B2	Die-cut size	97 x 27	± 0,5	3,819 x 1,063
C	Web width	100	± 1,0	3,937
D	Pitch length per piece (MD)	30,48	± 0,5	1,200
E	Die-cut to web edge	1,5	± 1,0	0,059
F	Radius	2		0,079



Cross section



Tag characteristics

Tag format	Die-cut paper label on reel	
Tag face material	White woodfree paper, 101 um +/- 10%	
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%, Bad tags marked
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	4 000 pcs/reel. Diameter: < 205 mm
Package size	16 000 pcs/box. Delivery only in full packages.

Compliances



Disclaimer:

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Version history	Document history	Date	Author
1.0	Created Approved	2.7.2018	KV
1.1	Product name revised	23.8.2018	KV
1.2	Unwinding direction revised	20.11.2018	KV
1.3	Design drawing updated	26.6.2019	AM
1.4	Paper thickness tolerance added	1.6.2020	KV
1.5	Logo, delivery yield and disclaimer updated	28.9.2021	MKT
1.6	Bad unit marking added	26.11.2021	KT