

TAG SPECIFICATION

ECO Stripe Paper Tag
Sales code 500054
NXP UCODE 8

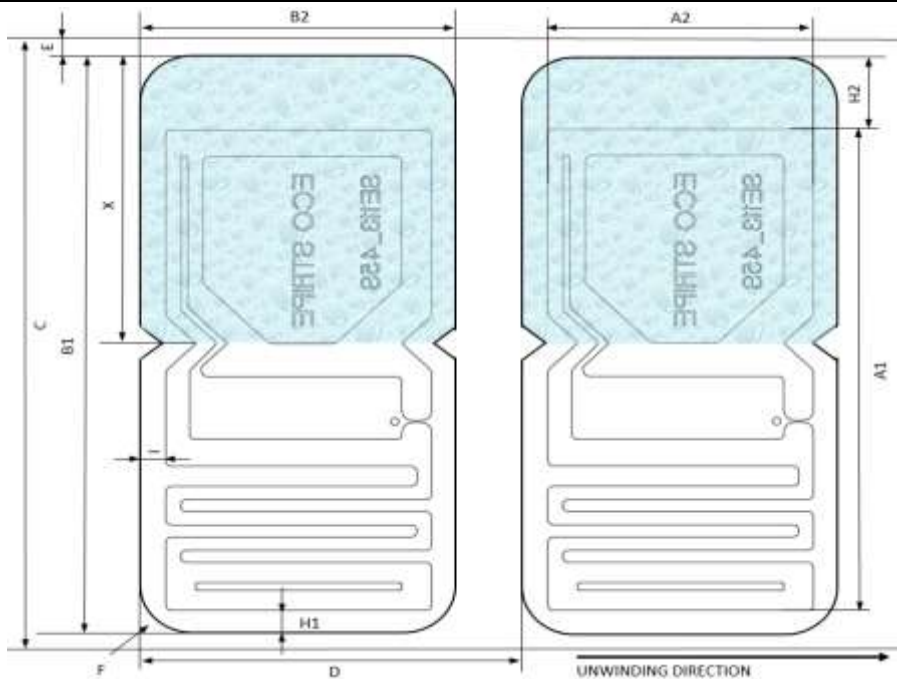


General specification and characteristics

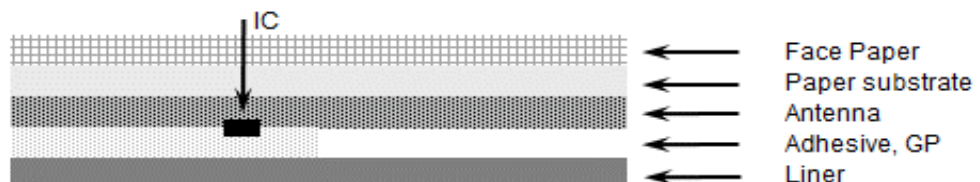
Operating frequency	860-960 MHz
Air interface protocol	EPC Gen2v2, ISO 18 000-63
EPC memory	128 bit
Operating temperature (electronics)	-40 °C...+85 °C / -40 °F...+185 °F
ESD voltage immunity	± 2 kV peak HBM
Shelf life: 1 year (from manufacturing date)	+20 °C / +68 °F, 50 % RH
Bending diameter	> 50 mm,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

Mechanical specification

Dimension	Item	Metric [mm]	Tolerance [mm]	US [in]
A1 x A2	Antenna size	36 x 18	± 0,2	1,417 X 0,709
B1 x B2	Die-cut size	43 x 21	± 0,5	1,693 x 0,827
C	Web width	46	± 1,0	1.811
D	Pitch length per piece (MD)	25.4	± 0,5	1.000
E	Die-cut to web edge	1.5	± 1,0	0.059
F	Radius	2	± 0,2	0.079
H1	Antenna to die-cut (CD)	1.5	± 1,0	0.059
H2	Antenna to die-cut (CD)	5.5	± 1,0	0.217
I	Antenna to die-cut (MD)	1.5	± 1,0	0.059
X	Adhesive width (GP)	21.5	± 1,0	0.846



Cross section



Tag characteristics

Tag format	Die-cut paper label on reel	
Tag face material	Art paper 80 g	
Tag antenna material	Conductive paste	
Tag adhesive	Permanent PSA	
- labelling temperature	min. 0 °C	min. +32 °F
- usage temperature	-20 °C...+80 °C	-4 °F...+176 °F
- tack	min. 14 N / 25 mm (FTM 9)	

In order to reach proper adhesive bond strength firm pressure needs to be applied during tag application. Tag adhesive will provide best adhesion in 24h after application.

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	4 000 pcs/reel. Diameter: < 205 mm
Package size	32 000 pcs/box. Delivery only in full packages.

Compliances



Disclaimer:

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Version history

1.0
1.1
1.2

Document history

Created
Tag adhesive, reel, and box size details revised
Logo, delivery yield and disclaimer updated

Date

5/6/2019
9/11/2019
9/28/2021

Author

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