

TAG SPECIFICATION

ECO Hook M Paper Tag 44x19
Sales code 500178
NXP UCODE 9

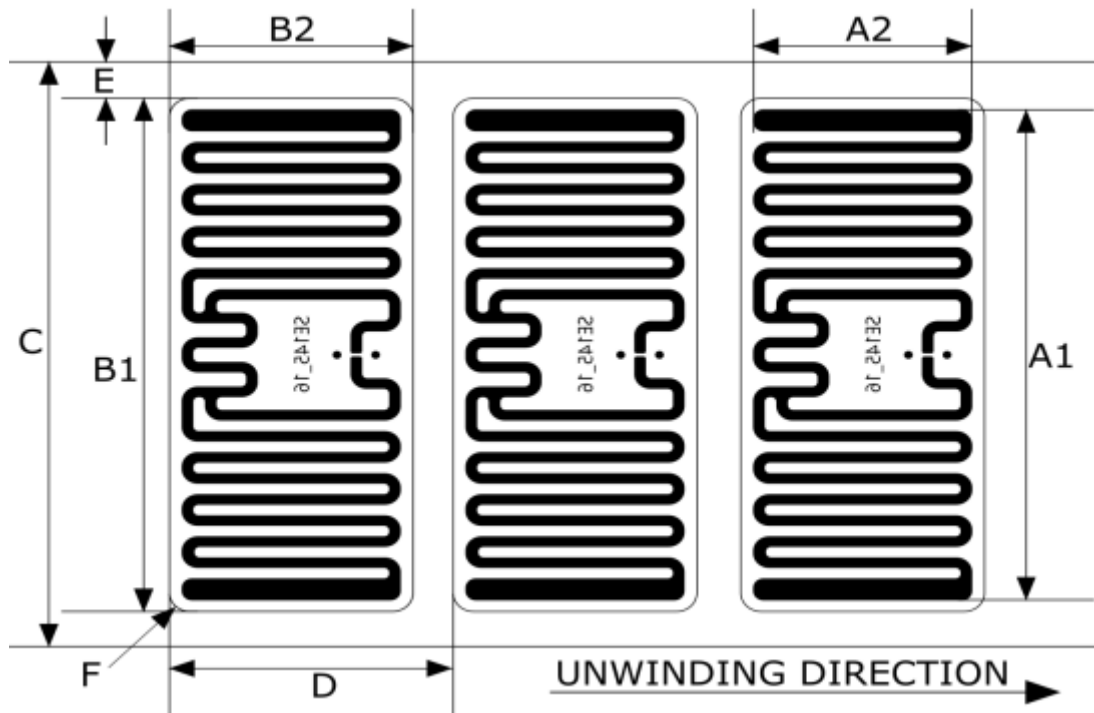


General specification and characteristics

Operating frequency	860-960 MHz
Air interface protocol	EPC Gen2v2, ISO 18 000-63
EPC memory, user memory	96-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]
A1 x A2	Antenna size	42 x 17	± 0,5
B1 x B2	Die-cut size	44 x 19	± 0,5
C	Web width	50	± 1,0
D	Pitch length per piece (MD)	22.013	± 0,5
E	Die-cut to web edge	3	± 1,0
F	Radius	2	± 0,2



Cross section



Tag characteristics

Tag format	Die-cut paper label on reel	
Tag face material	White woodfree paper, 88 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%, 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	5 000 pcs/reel. Diameter: < 204 mm
Package size	40 000 pcs/box. Delivery only in full packages.

Compliances



Disclaimer:

Beontag RFID reserves the right to change its products and services at any time without notice. Our recommendations are based on our best knowledge and experience. As the products are used beyond our control we cannot be held liable for any damages caused when using the product. Use extra care in handling the product and observe standard storage and handling practices to minimize ESD (electro static discharge). This technical specification replaces all earlier ones.

Version history	Document history	Date	Author
1.0	Created	1/19/2021	AM
1.1	100% yield changed to 97%	9/16/2021	JI
1.2	Logo, delivery yield and disclaimer updated	9/28/2021	MKT
1.3	Bad tag handling updated	11/26/2021	JI