

## TAG SPECIFICATION

**ECO Hanger Paper Tag**  
**Sales code 500033**  
**NXP UCODE 8**

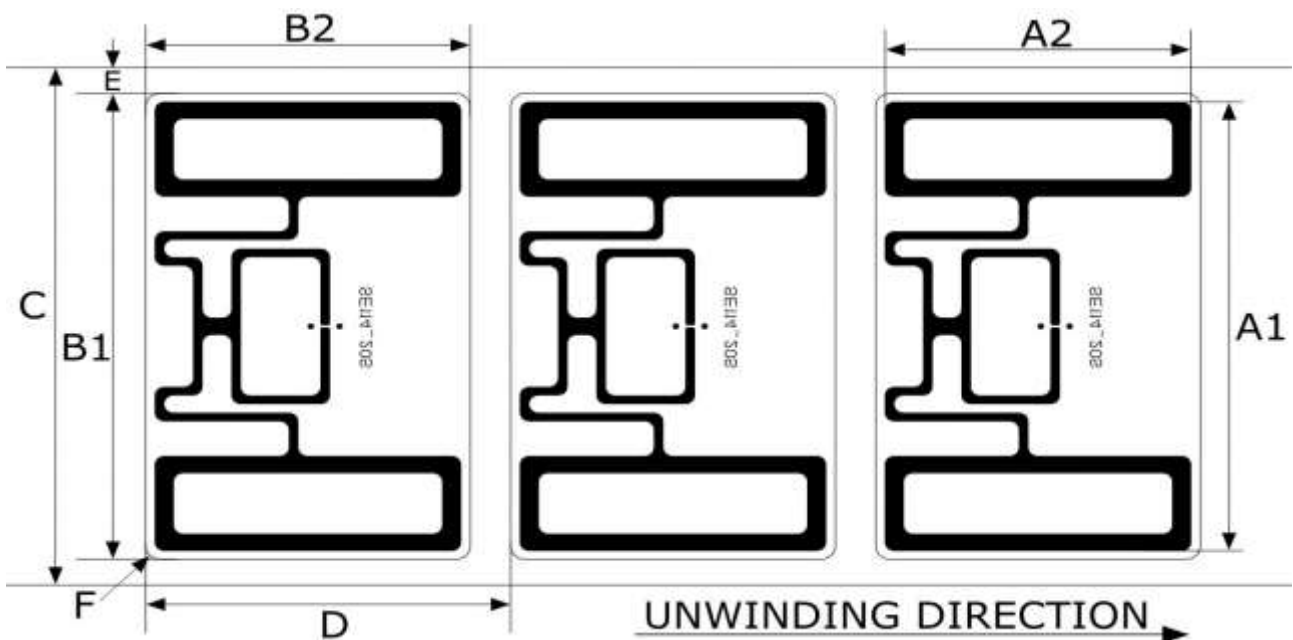


### General specification and characteristics

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	52 x 32	± 0,5	2,047 x 1,260
B1 x B2	Die-cut size	54 x 34	± 0,5	2,126 x 1,339
C	Web width	60	± 1,0	2.362
D	Pitch length per piece (MD)	38.1	± 0,5	1.500
E	Die-cut to web edge	3	± 1,0	0.118
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, 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%
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	3 500 pcs/reel. Diameter: < 204 mm
Package size	28 000 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	9/26/2018	KV
1.1	Unwinding direction updated	11/16/2018	KV
2.0	Drawing updated, face material updated.	6/16/2021	AM
2.1	Logo, delivery yield and disclaimer updated	9/28/2021	MKT