

TAG SPECIFICATION

Bumper Wet Inlay
Sales code 500031
NXP UCODE 8

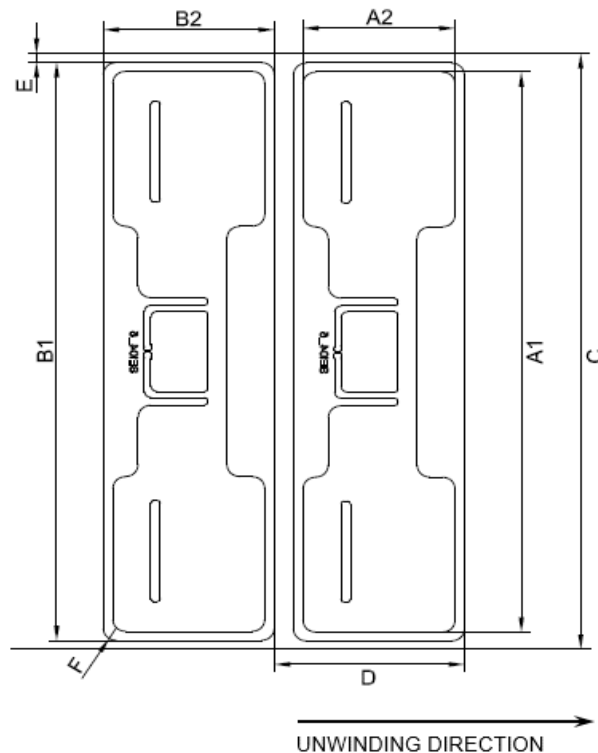


General specification and characteristics

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	± 0,5	1,181
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 label on reel	
Tag face material	Clear polyester, 50um	
Tag antenna material	Aluminium	
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

Min. delivery yield	100 %, defect labels removed and replaced
Consecutive faulty tags	max 0
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: < 205 mm
Package size	10 000 pcs/box. Delivery only in full packages.

Compliances



Disclaimer:

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Version history	Document history	Date	Author
1.0	Created	20.9.2018	KV
	Approved		LH