

## TAG SPECIFICATION

**Bobbin Wet Inlay**  
**Sales code 500032**  
**NXP NTAG 213**

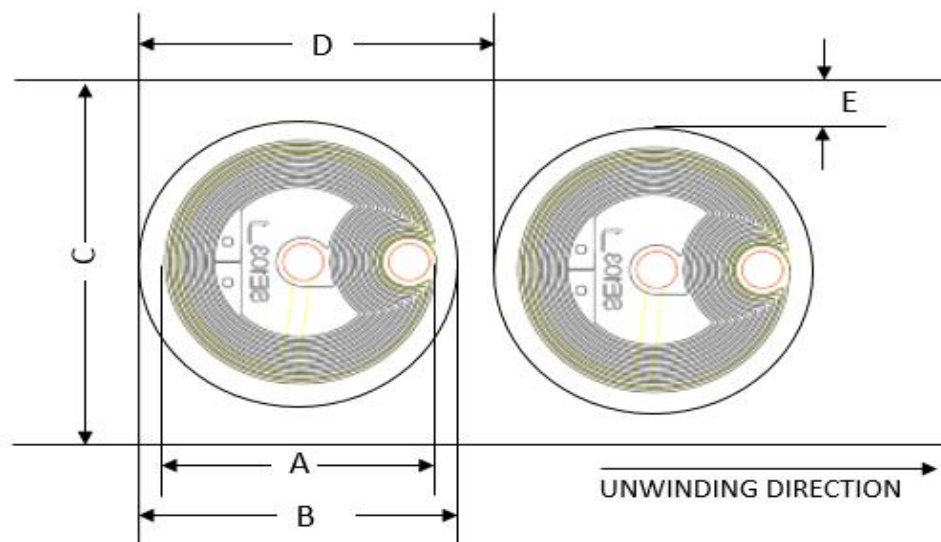


### General specification and characteristics

Operating frequency	13,56 MHz
Air interface protocol	NFC Forum Type 2 Tag, ISO/IEC14443 Type A
User memory	144 Byte
Operating temperature (electronics)	-25 °C...+70 °C / -13 °F...+158 °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	20	± 0,5	0,787
B1 x B2	Die-cut size	22	± 0,5	0,866
C	Web width	27	± 1,0	1,063
D	Pitch length per piece (MD)	25,4	± 0,5	1,000
E	Die-cut to web edge	2,5	± 1,0	0,098



### Cross section



### Tag characteristics

Tag format	Die-cut label on reel	
Tag face material	Clear polyester, 38um	
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	6 000 pcs/reel. Diameter: < 205 mm
Package size	48 000 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
1..1	Boz size revised	31.1.2019	KV