

**IC Specifications**

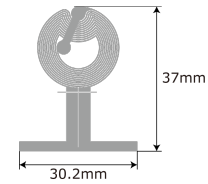
- IC Protocol: ISO/IEC 14443A
- ISO Typical Frequency: 13.56 MHz
- Chip: NXP Ntag213TT
- User Memory: 144byte

**Environmental Suggestion**

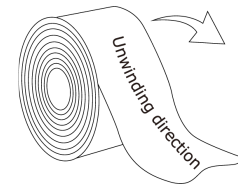
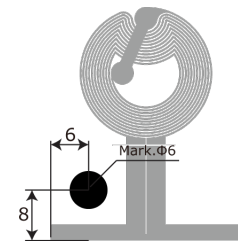
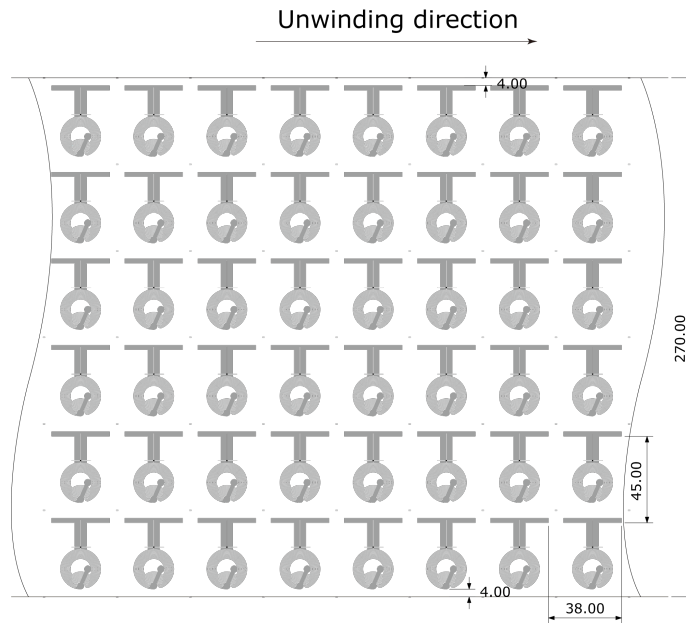
- Operating Temperature: -25°C/+70°C
- Storage Temperature: -55°C/+125°C

**Antenna Design**

Top: Aluminum/30 μm  
 Substrate: PET/38 μm  
 Bottom: Aluminum/10 μm



**Layout and Dimensions (mm)**



**Construction (Thickness: mm ; Total: +/- 10%)**



**Product Parameter**

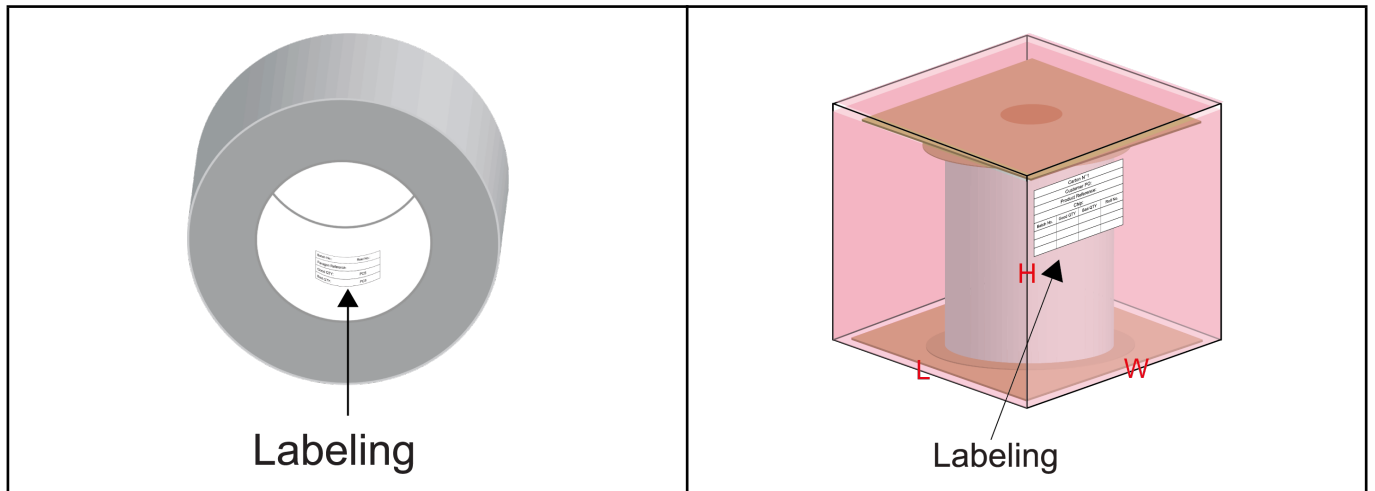
Parameters	Characteristics
Tail	1 m leading antenna at the beginning and ending of roll
Defectives	Marked (see layout), ≤3pcs continous bad
Yield	≥ 99 %

**Package information**

**Size** (TBD)

Core internal Diameter: 76 ± 1 mm	- <u>1</u> roll /Master ctn
Core Thickness: 10 ± 1mm	Length: <u>365</u> mm
Quantity/ Roll: 48,000 pcs (Total)	Width : <u>365</u> mm
	Height: <u>355</u> mm
Roll External Diameter: ≤300 mm	
Joints: Below 10 times joints per roll(excluding 2 leading joints),transparent tape, the width is 25.4mm, joint is done at the middle of one inlay.	

**Illustration**



**Labeling information**

<table border="1"> <tr> <td>Batch No.:</td> <td>Reel No.:</td> </tr> <tr> <td colspan="2">Product Reference:</td> </tr> <tr> <td>Good QTY:</td> <td>PCS</td> </tr> <tr> <td>Bad QTY:</td> <td>PCS</td> </tr> </table> <p>colour:white 1pcs/roll size:70*30 mm</p>	Batch No.:	Reel No.:	Product Reference:		Good QTY:	PCS	Bad QTY:	PCS	<table border="1"> <tr> <td colspan="4">Carton N°1</td> </tr> <tr> <td colspan="4">Customer PO:</td> </tr> <tr> <td colspan="4">Product Reference:</td> </tr> <tr> <td colspan="4">Chip:</td> </tr> <tr> <td>Batch No.</td> <td>Good QTY</td> <td>Bad QTY</td> <td>Roll No.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>colour:white 1pcs/master ctn size:100*80 mm</p>	Carton N°1				Customer PO:				Product Reference:				Chip:				Batch No.	Good QTY	Bad QTY	Roll No.																
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