



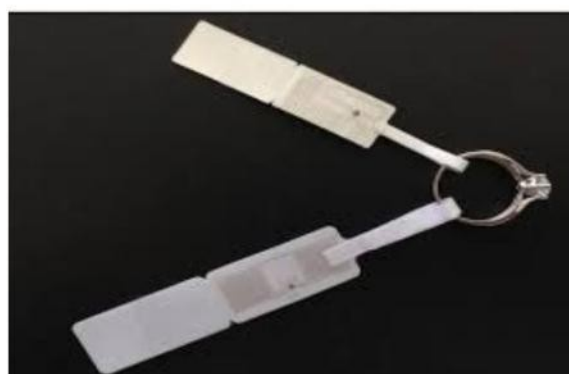
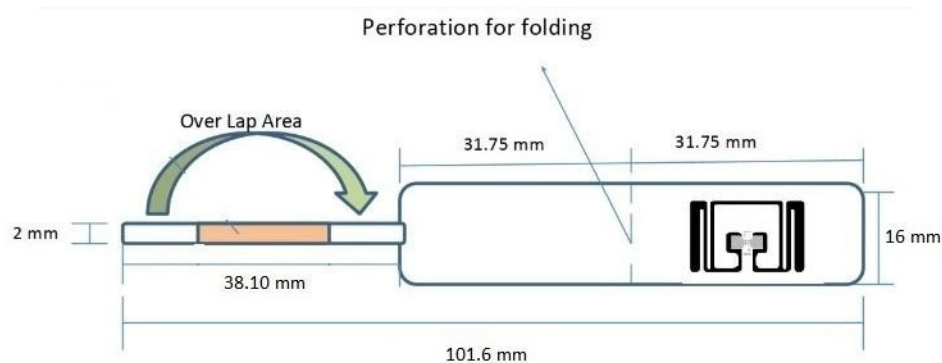
Stallion Systems and Solutions Pvt. Ltd
Product Specification

Product : STA Jewelry Label – Non-tearable EPC Class 1 Gen 2, ISO 18000-6C NXP UCODE 7

Product Code : LBJN1X16TINA12

Mechanical dimensions:

Sr. No.	Description	Size (mm)	Tolerance (mm)
1.	Antenna size	22 X 12.5	± 0.5 mm
2.	Die cut size	101.6 X 16	± 0.5 mm
3.	Pitch, length per piece MD	25.4	± 1.5 mm
4.	Gap between consecutive labels	9.4	± 1.5 mm
5.	Die cut corner radius	2	± 0.5 mm



Electrical Characteristics :

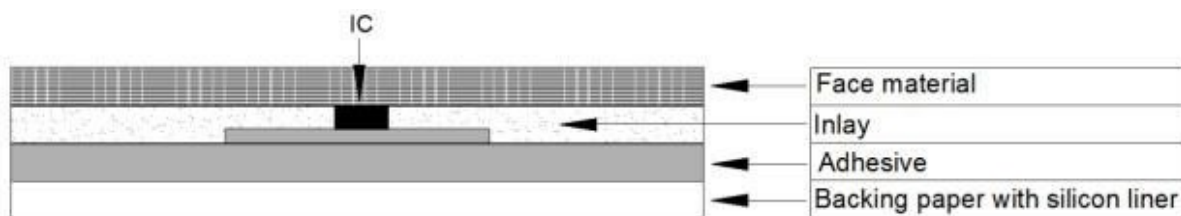
Sr. No.	Parameter	Description
1.	Integrated circuit (IC)	NXP UCODE 7
2.	Air interface protocol	EPC Class 1 Gen 2, ISO 18000-6
3.	Operating frequency	860 – 960 MHz
4.	Memory	128 bit EPC

General characteristics of transponder:

Sr. No.	Parameter	Description
1.	Operating temperature (Electronics Parts)	-40°C / +85°C
2.	Shelf life: From the date of manufacture, 2 years in	+20°C, 50%RH

Delivery form :

Sr. No.	Parameter	Description
1.	Transponder format	Upsized
2.	Transponder face material	PP Non tear able
3.	Transponder antenna material	Aluminum
4.	Final inspection	100%, known faulty ones marked
5.	Minimum delivery yield	97%
6.	Reel label	Reel number, Material description, Yield, Quantity of functional inlays, Quantity of non -functional inlays, Date

**Delivery details:**

Sr. No.	Parameter	Description
1.	Appearance	Single row reel form
2.	Reel core	Paper core of inner diameter 76 mm (3 inch)
3.	Winding of the reel	Face out
4.	Standard reel size	3000 pcs / reel OR Customized; Diameter: max 8 inch

Disclaimer : Stallion 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 outside our control, we cannot take responsibility for any damage that may be caused when using the product. Use extra care in handling the product.