Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

HF MAGICSTRAP® Product Data Sheet
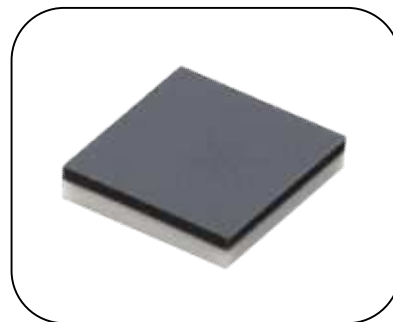## LXMS33HCNK-171

muRata

1, General Descriptions

This product is NFC Forum type2 / ISO14443 TypeA compliant tag which includes embedding antenna.

[Features]

- Ultra miniature package (3.2 x 3.2 x 0.75mmMax)
- RF antenna is embedded within substrate
- Robust package design
- NFC forum type2 compliant
- Using NXP NTAG210, 384bits user memory
- Read range: 12mm (200mW output power, 37 x 54mm antenna)
- Can be attached to a wide range of objects
- Operating temperature $-40^{o}C \sim +85^{o}C$
- 100% green material for RoHS compliance

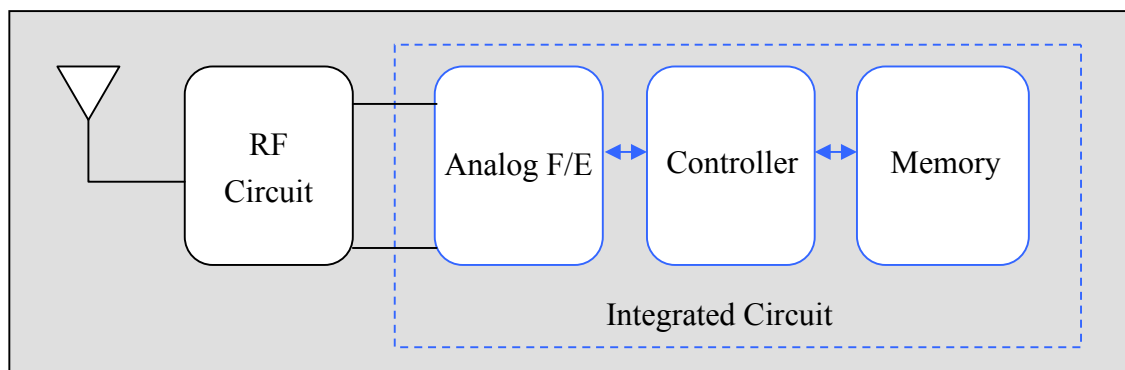## 2, Block Diagram

Figure.1 shows block diagram of this product.

Fig1. Block diagram

V1.0 January 2016

3, Dimension

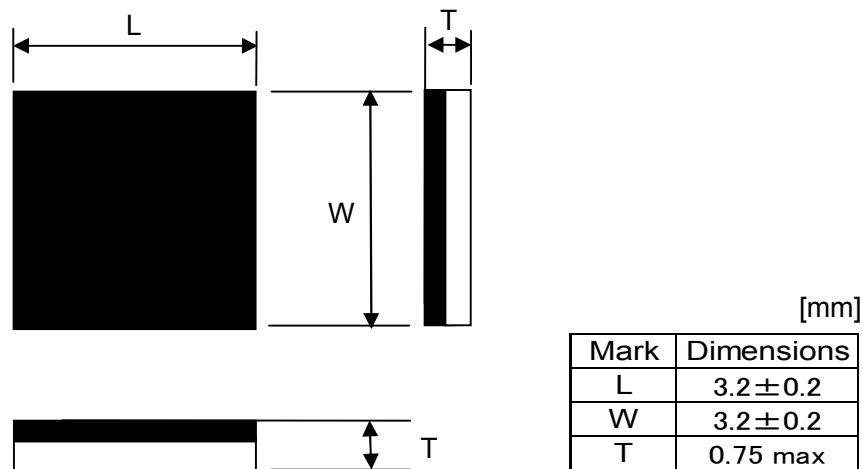| Mark	Dimensions
L	3.2 ± 0.2
W	3.2 ± 0.2
T	0.75 max

[mm]

Fig.2 Package Dimension

4, Example of Electrical Performance

12mm of Read range*

*Reader/Writer : TI TRF7960 Reference Board

Reader/Writer antenna : 37x54mm on TI TRF7960 Reference Board

Output Power of Reader/Writer : 200mW

V1.0 January 2016

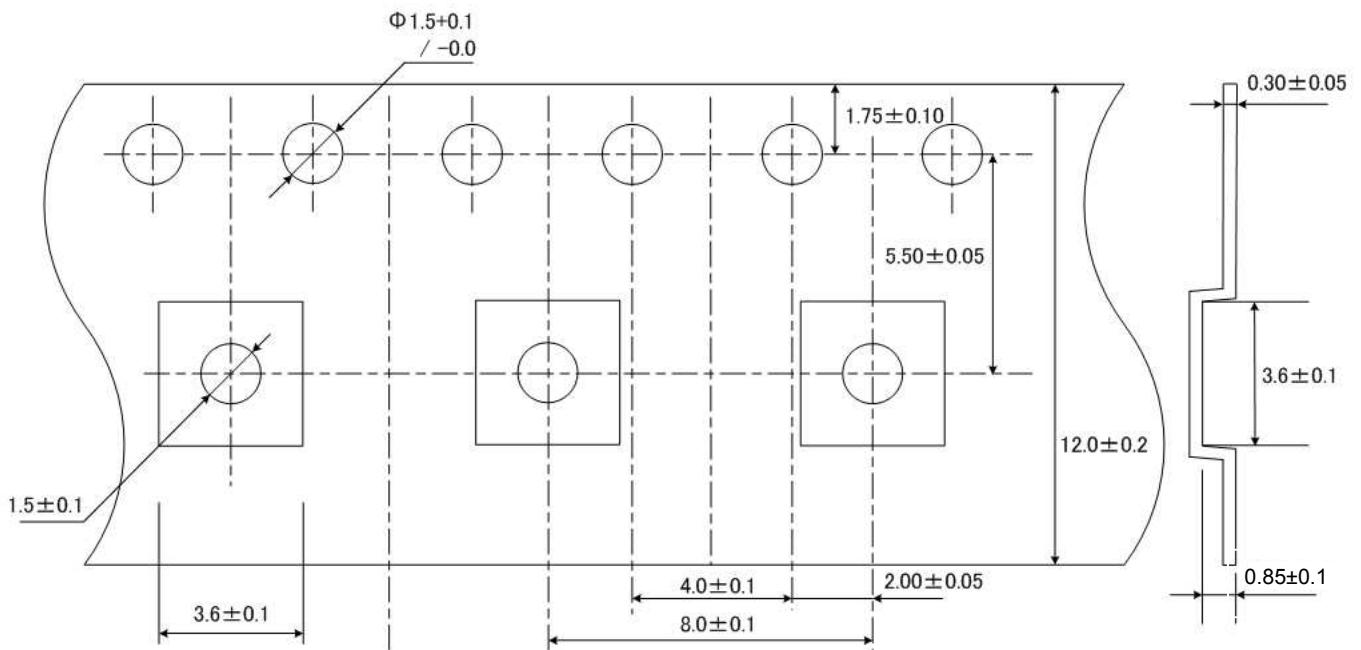### 5, Packing Information

This product is supplied by tape and reel package

5-1. Quantity per reel

6,000pcs

5-2. Minimum order quantity

6,000pcs

5-3. Tape and Reel Packing
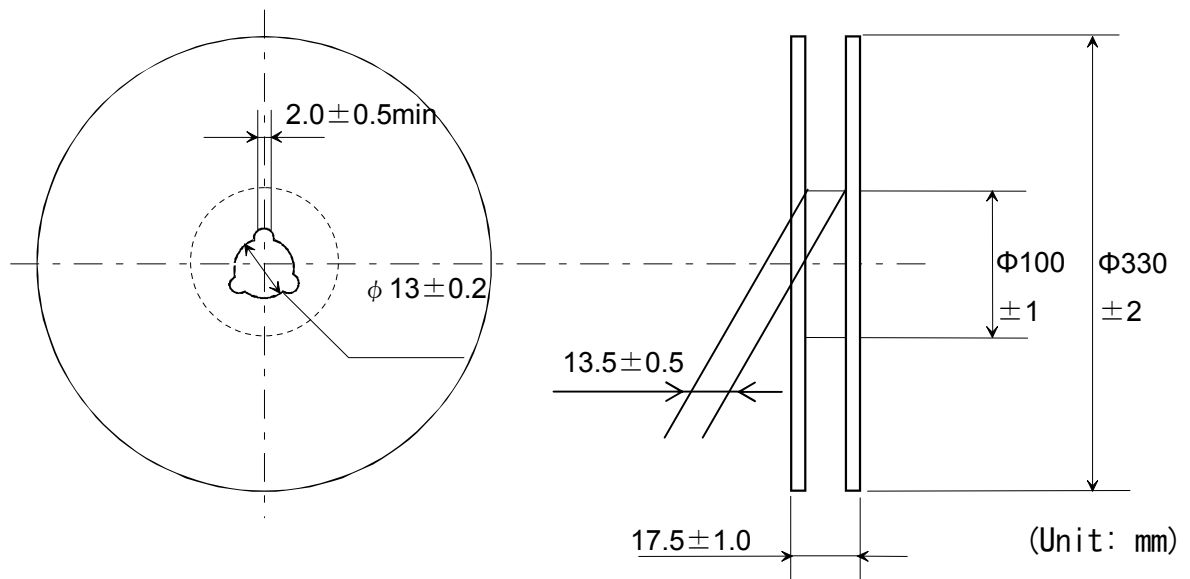
(1) Dimensions of Tape (Plastic tape)

V1.0 January 2016

(2) Dimensions of Reel

2.0±0.5min

φ13±0.2

13.5±0.5

17.5±1.0

Φ100
±1

Φ330
±2

(Unit: mm)

6, Contact window

URL : http://www.murata.com/products/rfid/index.html

" MAGICSTRAP® " is the registered trademark of Murata Manufacturing. Co., Ltd. in Japan.

For any inquiries/queries, please feel free to contact us.

4

V1.0 January 2016