

# HF MAGICSTRAP® Preliminary Data Sheet LXMS33HCNK-167

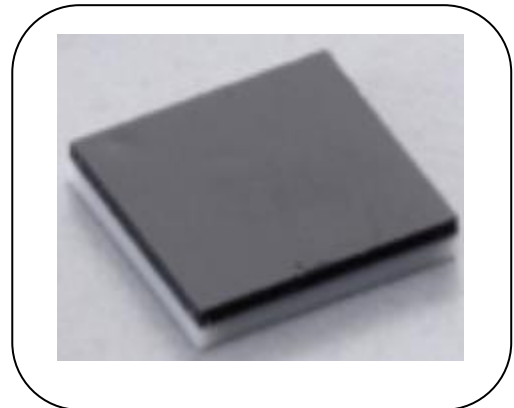


## 1, General Descriptions

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 NTAG212, 1024bits user memory
- Read range: 12mm (200mW output power, 37 x 54mm antenna)
- Can be attached to a wide range of objects
- Operating temperature -25°C ~ +70°C
- 100% green material for RoHS compliance



## 2, Block Diagram

Figure.1 shows block diagram of this product.

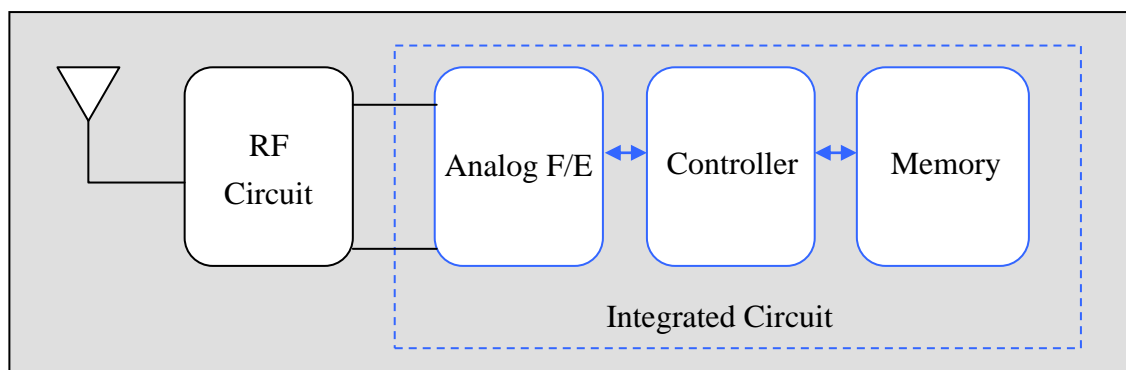


Fig1. Block diagram



# HF MAGICSTRAP® Preliminary Data Sheet LXMS33HCNK-167



## 3. Dimension

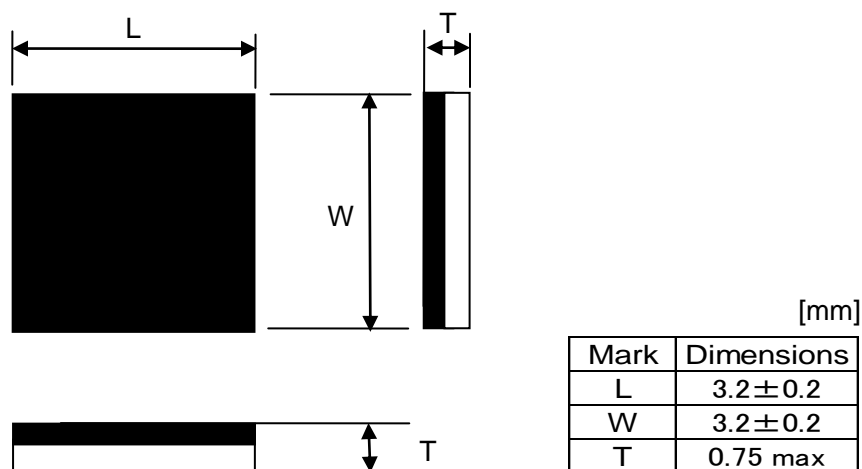


Fig.2 Package Dimension

## 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



# HF MAGICSTRAP® Preliminary Data Sheet LXMS33HCNK-167



## 5. Packing Information

This product is supplied by tape and reel package

5-1. Quantity per reel

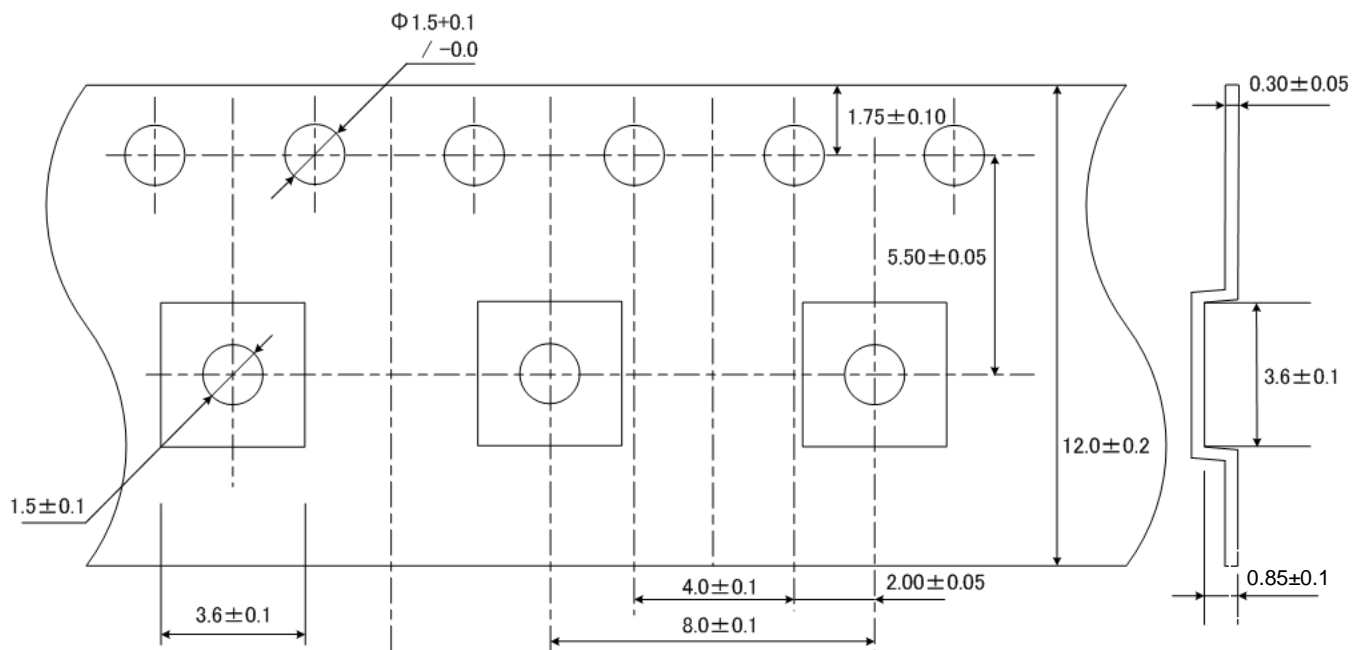
6,000pcs

5-2. Minimum order quantity

6,000pcs

5-3. Tape and Reel Packing

(1) Dimensions of Tape ( Plastic tape )



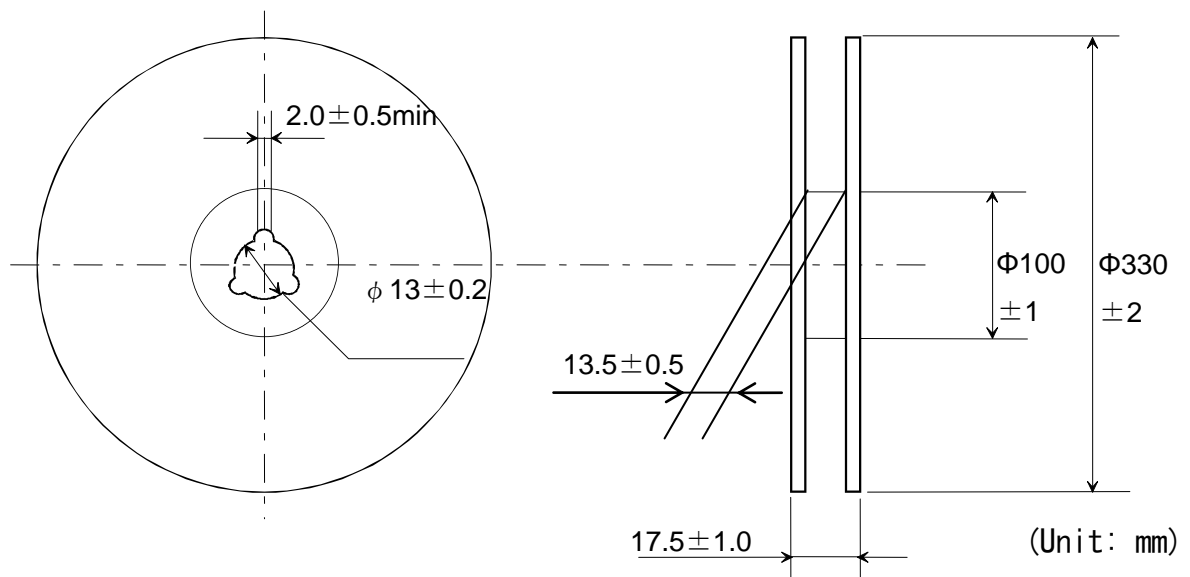
All Rights Reserved, Copyright© Murata Manufacturing Co., Ltd.  
Tentative/Confidential



# HF MAGICSTRAP® Preliminary Data Sheet LXMS33HCNK-167



## (2) Dimensions of Reel



## 6. Contents

6-1) This document is tentative version. The content is under development for improvement and may subject to change without notice. When we submit specification and/or approval sheet, these document should replace this technical data.

6-2) "MAGICSTRAP®" is the registered trademark of Murata Manufacturing Co., Ltd. in Japan.

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