

HF MAGICSTRAP® Preliminary Data Sheet LXMS33HCNK-171

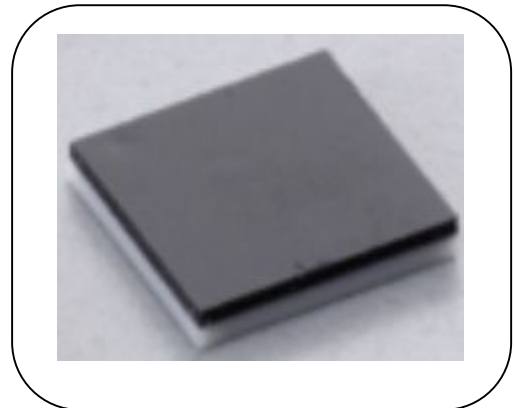


1, General Descriptions

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°C ~ +85°C
- 100% green material for RoHS compliance



2, Block Diagram

Figure.1 shows block diagram of this product.

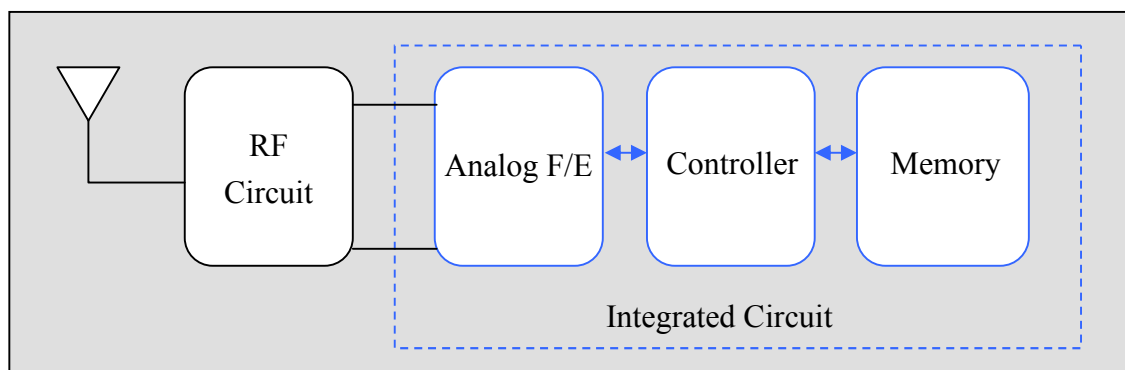


Fig1. Block diagram

HF MAGICSTRAP® Preliminary Data Sheet LXMS33HCNK-171



3. Dimension

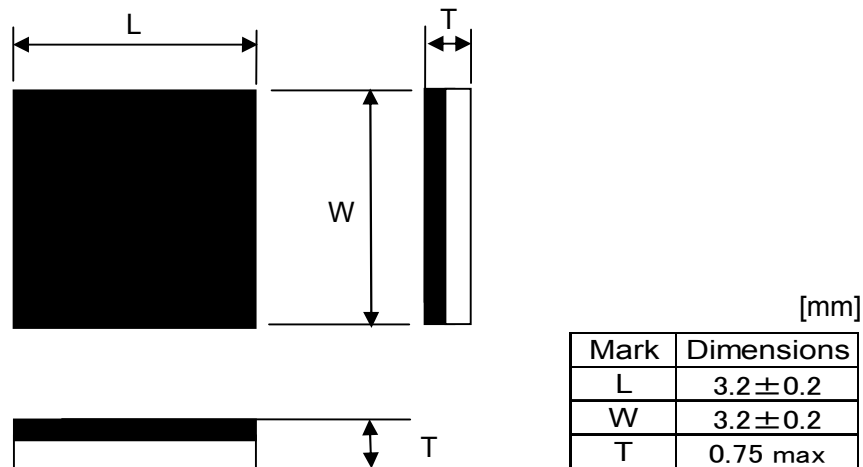


Fig.2 Package Dimension

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-171



5. Packing Information

This product is supplied by tape and reel package

5-1. Quantity per reel

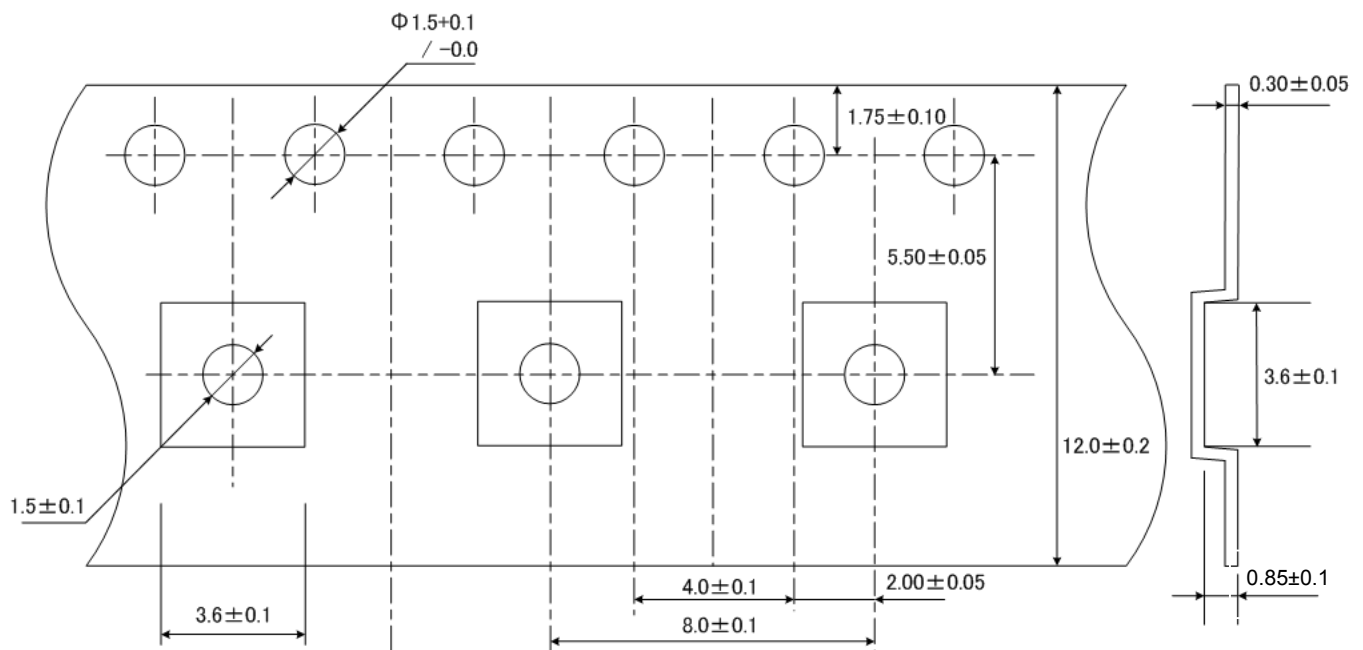
6,000pcs

5-2. Minimum order quantity

6,000pcs

5-3. Tape and Reel Packing

(1) Dimensions of Tape (Plastic tape)

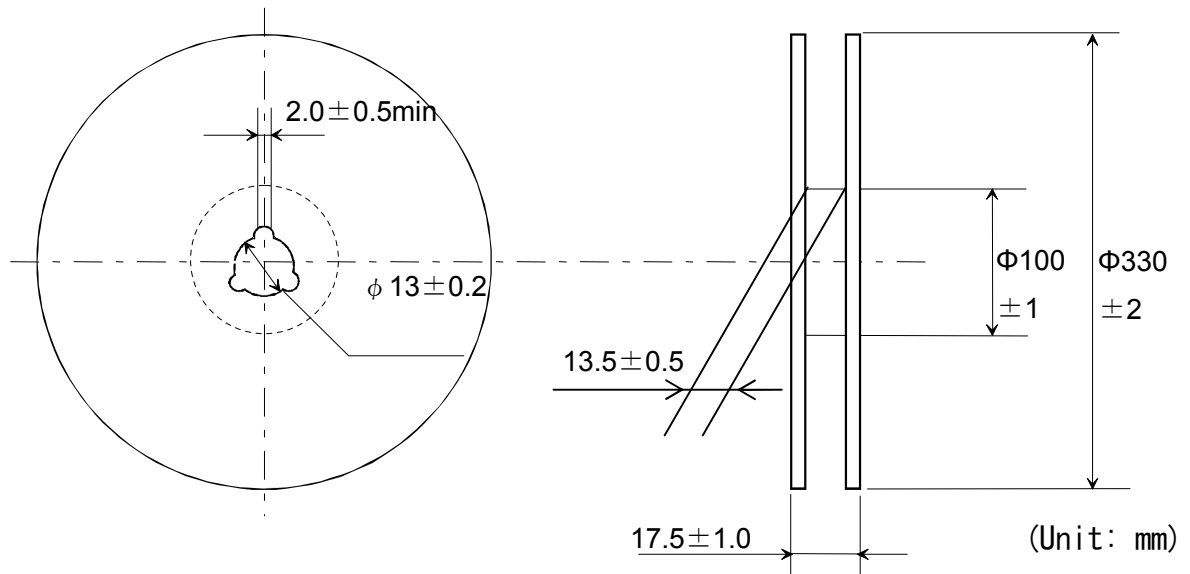


All Rights Reserved, Copyright© Murata Manufacturing Co., Ltd.
Tentative/Confidential

HF MAGICSTRAP® Preliminary Data Sheet LXMS33HCNK-171



(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.

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