

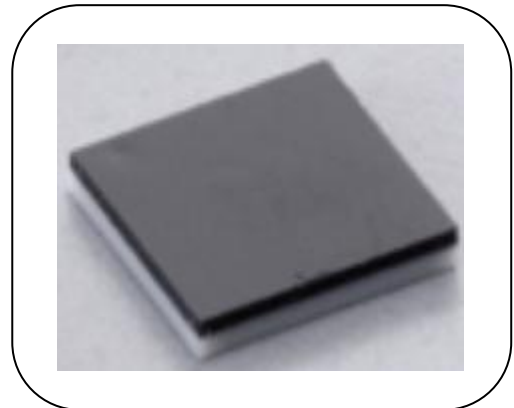
# HF MAGICSTRAP® Product Datasheet LXMS33HCNG-134

## 1. General Descriptions

HF MAGICSTRAP® is a small size HF band RFID IC module, including embedded antenna.

This complies with ISO15693 standard.

It can be used globally with high performance even in small form factor.



### [Features]

- Ultra miniature package (3.2 x 3.2 x 0.7mm)
- RF antenna is embedded within substrate
- Easy to implement since no external antenna is required
- Robust package design – resistance to environmental conditions (high temperature, high humidity)
- ISO 15693 compliant
- Using NXP ICODE SLIX, 896bit user memory
- Read range: 15mm (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. HF MAGICSTRAP® Block Diagram

Figure.1 shows HF MAGICSTRAP® block diagram.

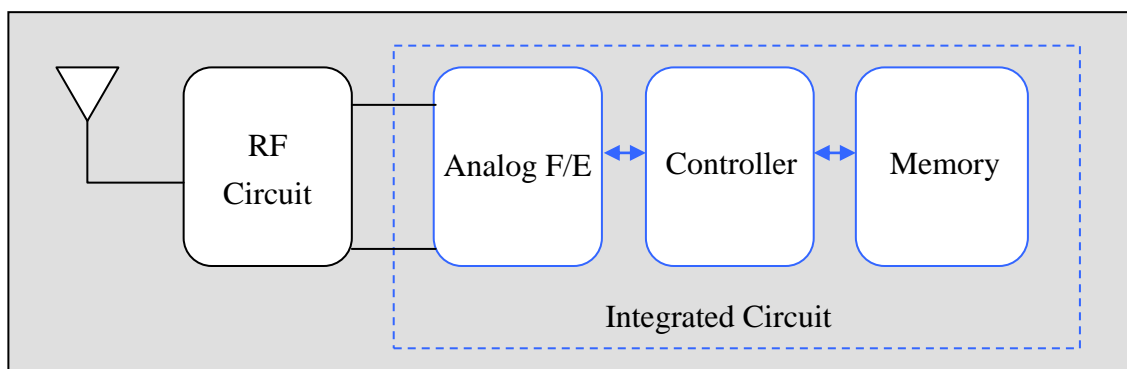
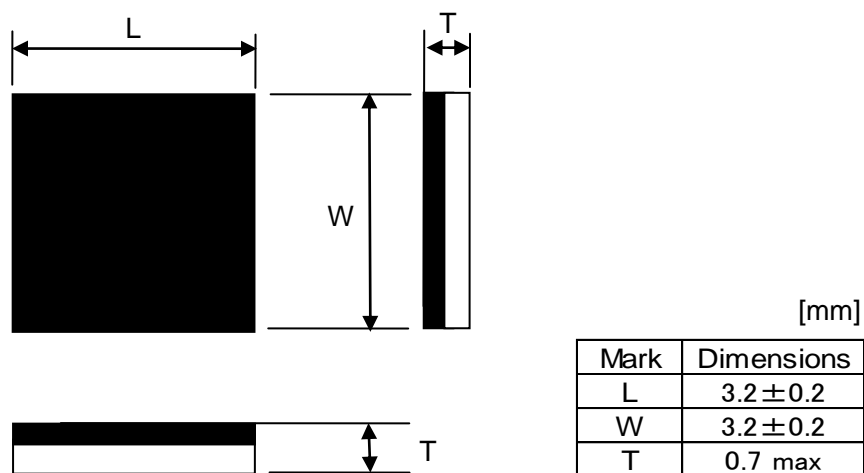


Fig1. Block diagram

**3. Dimension**



**Fig.2 Package Dimension**

**4. Example of Electrical Performance**

15mm of Read range\*

\*Reader/Writer : TI TRF7960 Reference Board

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

Output Power of Reader/Writer : 200mW

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## 5. Packing Information

This product is supplied by tape and reel package

5-1. Quantity per reel

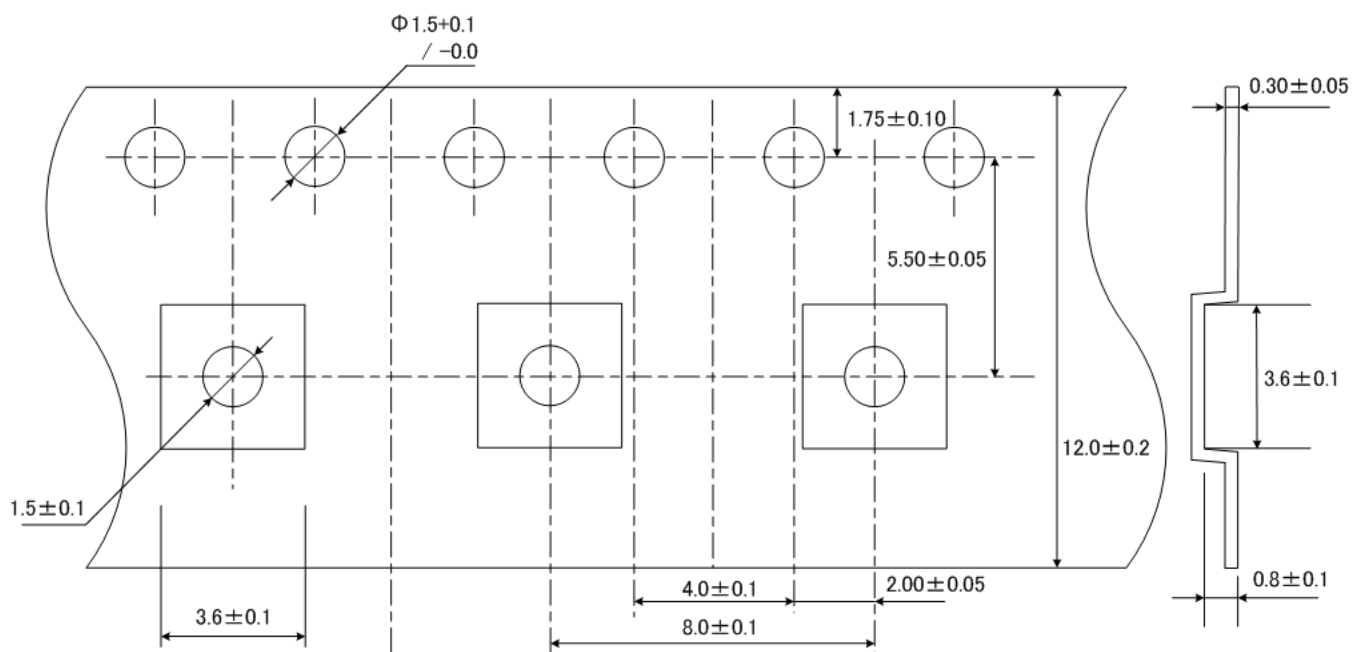
6,000pcs

5-2. Minimum order quantity

6,000pcs

5-3. Tape and Reel Packing

(1) Dimensions of Tape ( Plastic tape )

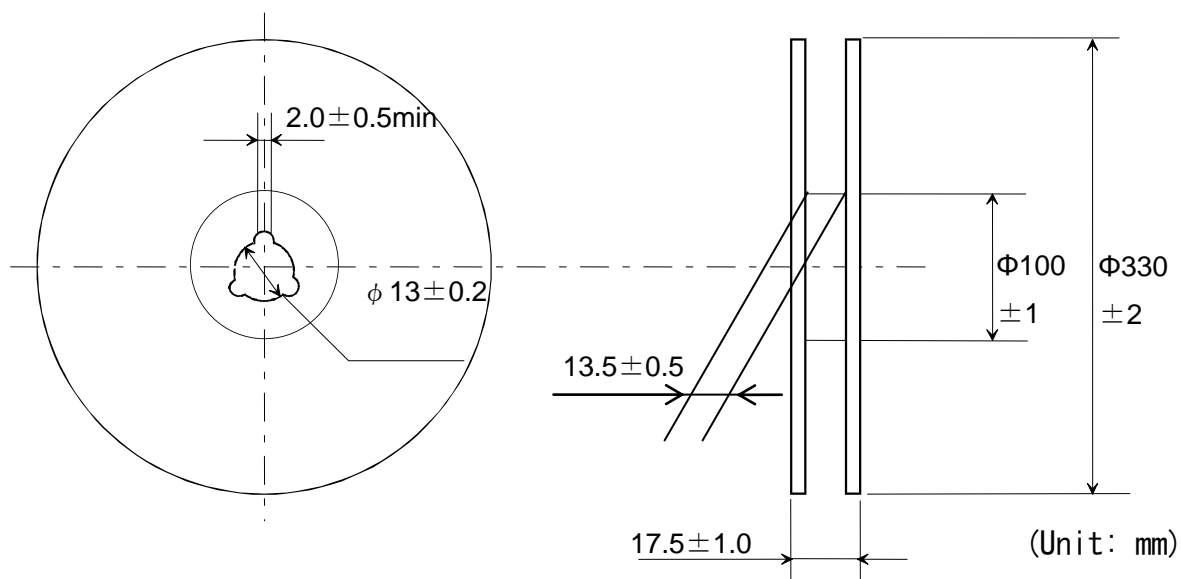


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## (2) Dimensions of Reel



## 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.

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