



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



HF MAGICSTRAP® Product Datasheet

LXMS33HCNG-134

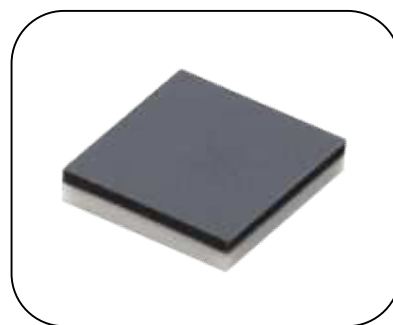


1, General Descriptions

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.

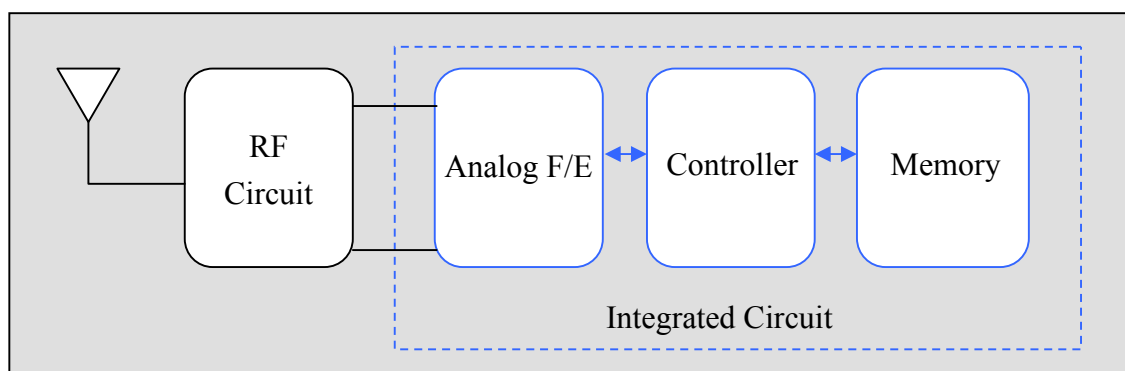


Fig1. Block diagram

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3, Dimension

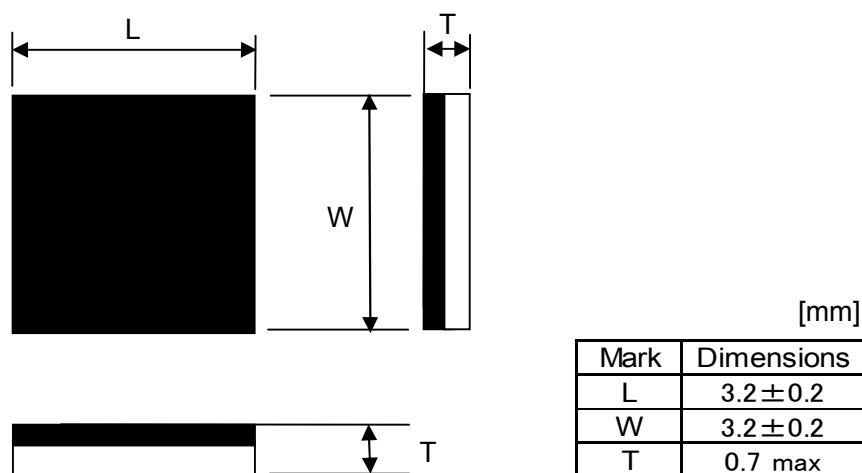


Fig.2 Package Dimension

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

5. Packing Information

This product is supplied by tape and reel package

5-1. Quantity per reel

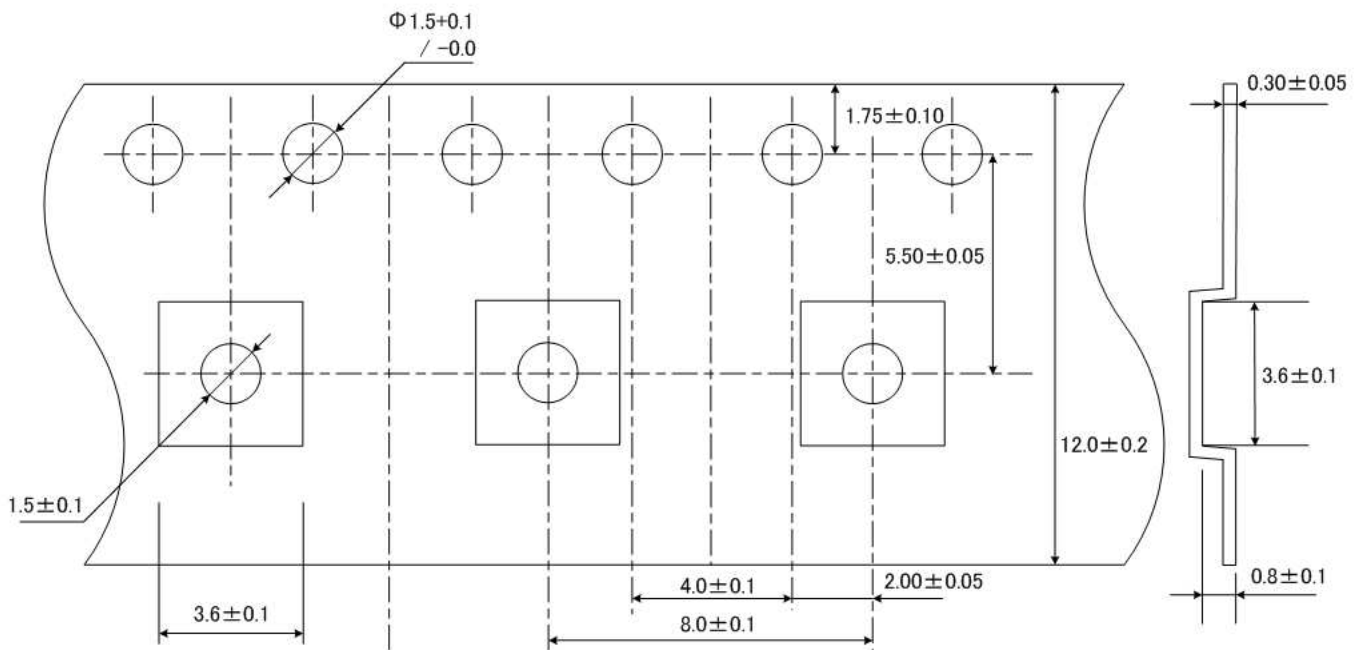
6,000pcs

5-2. Minimum order quantity

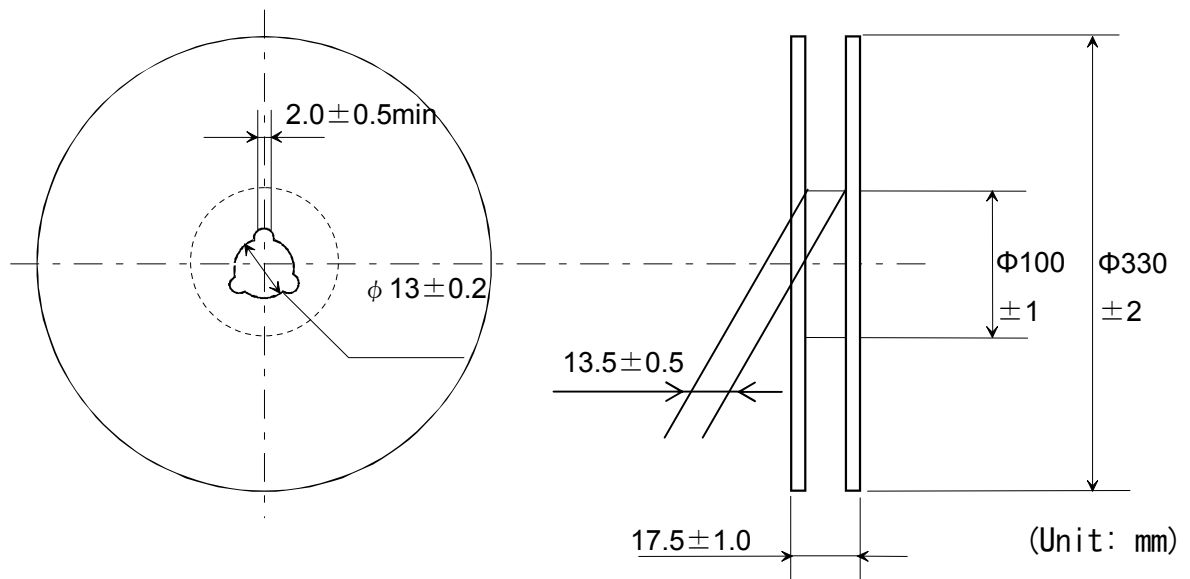
6,000pcs

5-3. Tape and Reel Packing

(1) Dimensions of Tape (Plastic tape)



(2) Dimensions of Reel



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.