

	KEY FOB function	版本 Versions: 1.0
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KEY FOB

User manual

Version: V 1.0

Time of revision: 2025/xx/xx

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1 System Overview

The KEY FOB communicates bidirectional with the BCM by receiving LF signal and sending RF signal. When the LF signal is received by the KEY FOB, the contents of the RF message sent include encrypted data, field intensity, the minimum Byte of the KEY FOBIDE, battery low voltage indicator bit and check code; When the KEY FOB receives a valid KEY, the contents of the RF message sent include encrypted data, counter, function code, minimum Byte of the KEY FOB IDE, battery low voltage indicator bit and check code.

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2 System Parameters

2.1 Operating voltage

Rated voltage: 3VDC

Operating voltage: 2.7VDC~3.3VDC

2.2 Temperature Range

Operating temperature: -20℃ to +60℃

Storage temperature: -30℃ to +60℃

2.3 Static Current

Static current $\leq$ 20uA@(3V、25℃)

2.4 LF Parameters (Receiving)

Number	project	parameter
1	Carrier frequency	125KHz $\pm$ 5KHz
2	Data encoding mode	Manchester Encoding with 50% Duty Cycle
3	Mode of modulation	ASK

2.5 UHF Parameters (transmission)

序号 Number	项目 project	参数 parameter
1	Carrier frequency	315MHz $\pm$ 150KHz
2	Data encoding mode	Manchester Encoding with 50% Duty Cycle
3	Mode of modulation	FSK

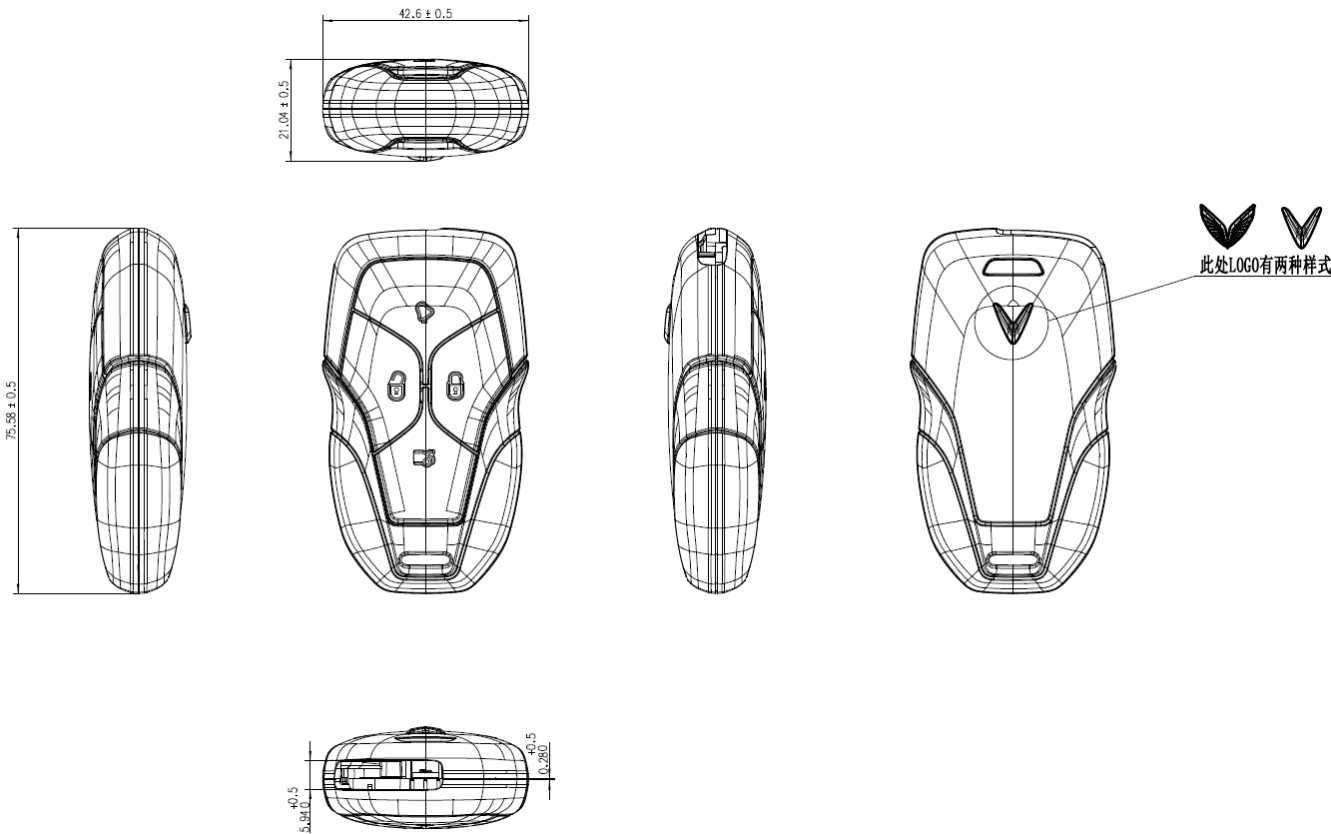
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3 System Functions

Key combination	Key press operation	Function
Lock	Short press	Door lock
Unlock	Short press	Door unlock
Suitcase unlock	Short press	Suitcase unlock
Car search	Short press	Car search alarm
Lock & Unlock	Long press 4s	KEY FOB learning

4 Appearance

The appearance size is as follows:



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FCC Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Privacy of communications may not be ensured when using this device.