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ChinaTel:0752-3166801 FCC ID: 2AL9S-MRFS1G12

433MHz Receiver module specification

MRFS1G12

Revision History

Rev. No.	History	Issue Date	Remark
1.0	Initial issue	May, 2022	Preliminary

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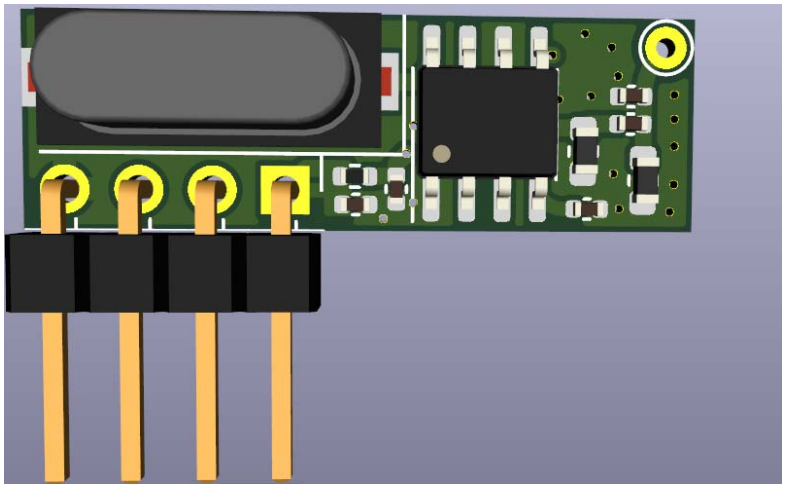
1.Product Description

This product is a customized module that integrates a highly sensitive wireless receiver chip. The RF receiver has the characteristics of high sensitivity, low power consumption, and good anti-interference
Application scope: Remote control access control system, remote control fan, lighting switch, etc

2.**Electrical specifications**

Working voltage	DC 2.5V-5.5V	
Working current	6mA	static state
Operating Frequency	433.92MHz， Beyond， OOK/ASK	
transfer rate	1-5kbps	
receiver sensitivity	-109dbm	
way of working	jog	
Operation temperature	-40℃～+85℃	
PCB Size	40mm*25mm	

3.**Interface Description**



1 **4**

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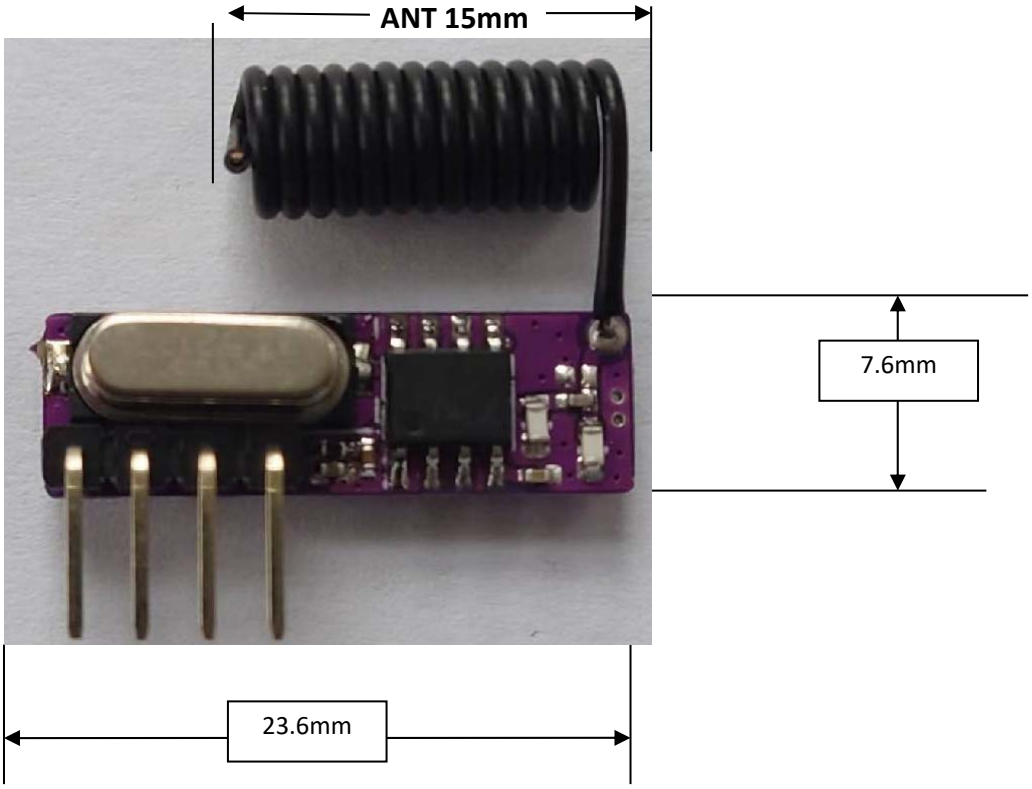
PIN NO	PIN Function	NOTE
1	GND	Grounding terminal
2	DATA	data output
3	DATA	data output
4	VCC	power input DC2.5-5.5V

4.Module size information



TOP View

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

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver.
--Connect the device 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 not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment