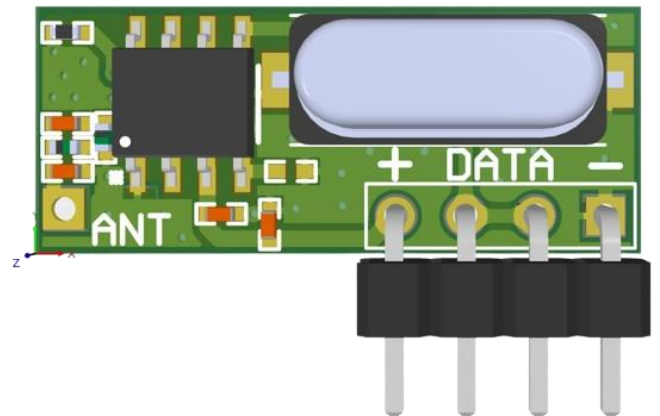




INDIESEMIC

Datasheet ISC-433RX-D



Low Power 433 MHz Receiver Module

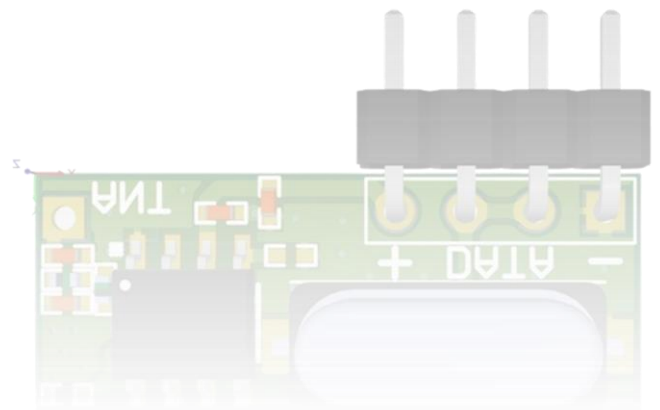


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1. Abbreviations

Abbreviations	Description
RX	Reception
OOK	On-Off Keying
RF	Radio Frequency
IF	Intermediate Frequency

Table: Acronym Description Table

2. General Description

The ISC-433RX-D is receiver module. An effective low-cost solution for using at 433MHz. The circuit shape of ISC-433RX-D is L/C. Receiver Frequency: 433MHz Typical sensitivity: -109 DBm. Supply Current: 5.9mA 3.3V (433 MHz).

ISC-433RX-D is a low-power, high-performance, plug-and-play OOK RF receiver. It supports a wide input voltage range of 2.5 V ~ 5.5 V. Data rates from 1 kbps to 5 Kbps.

3. Features:

- Frequency range: 433 MHz
- Receiver sensitivity: -109 dBm (at 1 kbps)
- Data rate range: 1 ~ 5 kbps
- Low power consumption: 5.9 mA @ 3.3 V (433 MHz)
- Easy for applications

4. Application:

- Remote control systems
- Wireless alarm systems
- Wireless lighting control
- Remote access control systems

5. Electrical Characteristics:

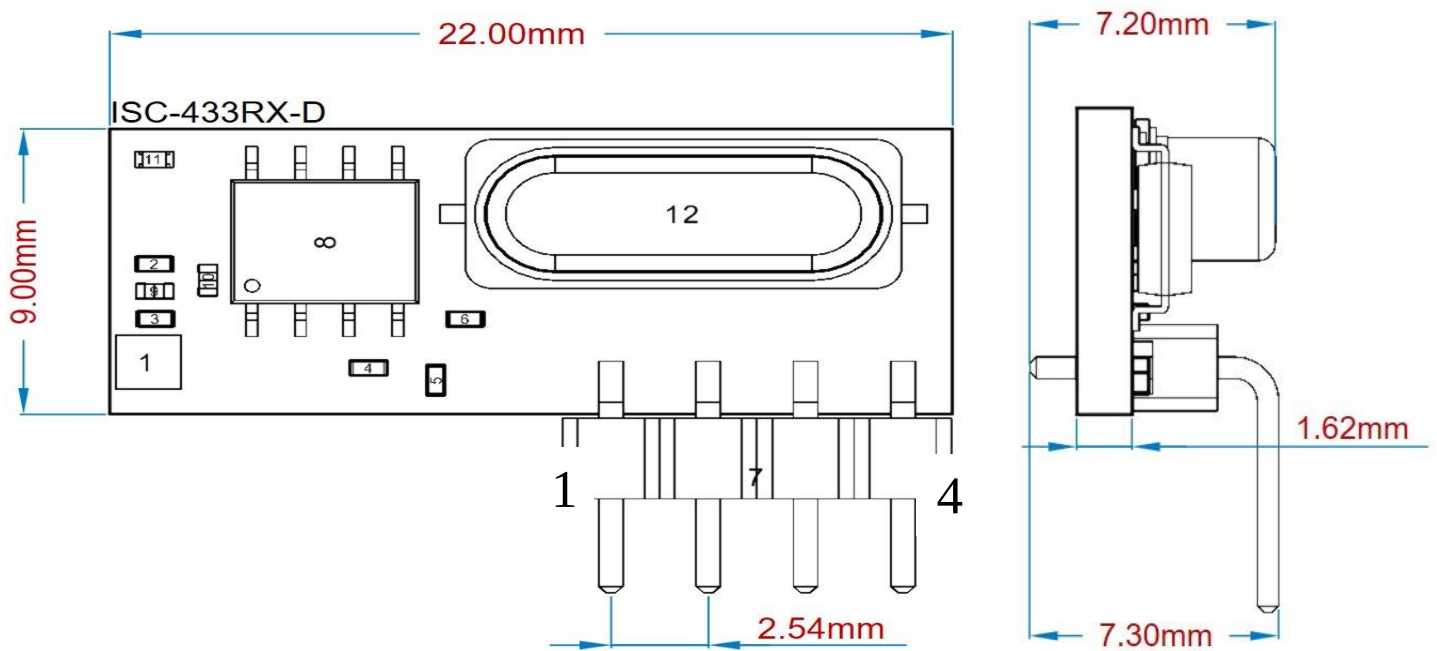
5.1- RF & IF Characteristics: -

Parameter	Value
Frequency range	433 MHz
Saturation input level	10 dBm
Sensitivity at 433 MHz	−109 dBm
IF frequency at 433 MHz	1.239 MHz
IF bandwidth at 433 MHz	500 kHz
Modulation duty cycle	20% ~ 80%

5.2- Power Consumption and Timing: -

Parameter	Typical
Operating current @ 433 MHz	5.9 mA
Shutdown current	0.1 μ A
Startup time (SHUT High → Low)	8 ms

6. Mechanical Dimension: -



7. Typical Application: -

