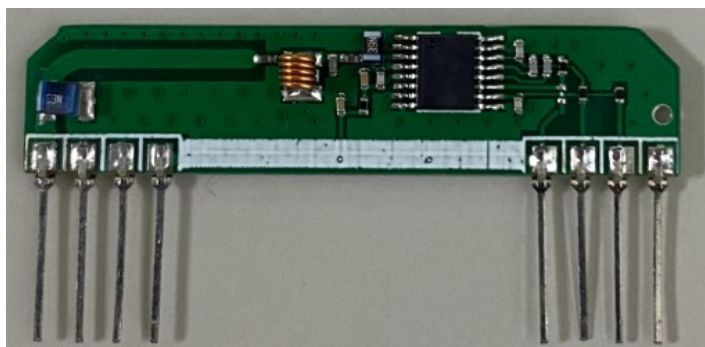


RWS-434LL 433.92MHz RF OOK RECEIVER MODULE

WENSHING Electronics released the **RWS-434LL** series OOK ISM band wireless communication high-sensitivity receiving module in November 2022, with a sensitivity of up to -117dBm and a wide voltage range of 2~5.5V, which is used for long-distance remote control reception. The module complies with high power NCC, FCC, CE regulations.

**➤ Application**

- Remote control iron rolling door
- Anti-theft device
- Lamp
- Remote control crane
- Remote lock
- Wireless reception

➤ Features

- High sensitivity -117dBm
- Received signal strength output RSSI
- Wide working voltage 2.0~5.5V
- 43.5*10.03*4.5mm

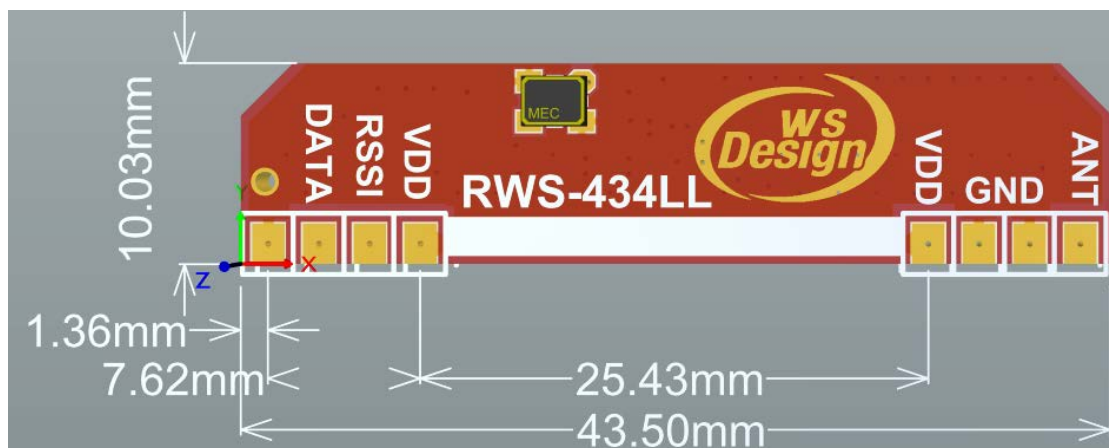
Version History

Version	Date	Changes
V1.01	Nov. 10. 2022	1 st . Edition

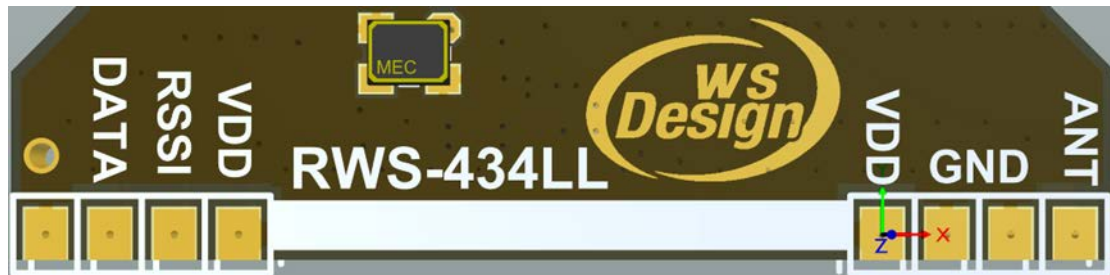
➤ **Model : RWS-434LL-6**

Parameter	Specification			Unit	Condition
	Min.	Typ.	Max.		
Frequency Range	434.03		433.07	MHz	
Receiver Sensitivity		-117		dBm	2500 bps
Data Rate	20		2500	bps	Speed1
	20		7500	bps	Speed2
Supply Voltage, VDD	2.0		5.5	V	DC
RX Current		5.6		mA	5V
DATA up time	16			ms	Disable to Enable time
Operating Temperature	-20		+80	°C	

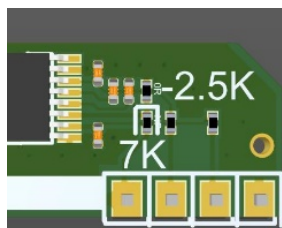
➤ **Size**



➤ Pin Assignment



Pin	Name	I/O	Description
1	GND	IN	Power Ground
2	DATA	OUT	For the first time, the RF needs to transmit 16mS long time to output DATA normally. If the stop time does not exceed 100mS, it can be received normally.
3	RSSI	OUT	RSSI is a metric that evaluates the strength of the wireless signal.
4	VDD		Power Supply 2~5.5V
5	VDD		Power Supply 2~5.5V
6	GND	IN	RF Ground
7	GND	IN	RF Ground
8	ANT	IN	Antenna



[1] 2.5Kbps or 7Kbps switch

➤ Demo Circuit

