

This wireless high-frequency receiver module RXB12 is through JMRTH R&D team assembled many years of experience to develop this high sensitivity OOK receive module. Lost cost, high stable also can provide the best RF solution in the market.

highly suitable for industry control or bad place for use, strong anti-jamming. Built-in automatic gain circuit (AGC), it will automatically change front-end LNA gain among received signal strength also makes signal output will not be strong or weak signals which caused by phase distortion, so that it can rise higher sensitivity. To receive the local oscillation circuit for the PLL lock loop design, no offset, and stability is high.

Frequency is 315/433.92MHz and receiver structure is superheterodyne, received signal is OOK. After received signal, it will output COMS signal to external decoder IC for decoding.

It is convenience to applicate in different products and external components is not necessary to make products be wireless also bring value-added for your products.

Key Feature :

- Lost cost 315/433.92MHz Receiver Module
- Build-in AGC
- Low Working Voltage 3.0V~5.5V
- Low Current 5.7mA
- High Sensitive -107dBm
- Data Rate: 4.8kbps
- Operating Temperature: -20°C~+85°C
- Dimension: 30mm(L)*9mm(W)*5mm(H)

Application :

- Security System
- Wireless Remote Control Car
- Wireless Remote Control Robot
- Automatic Power Switch Control

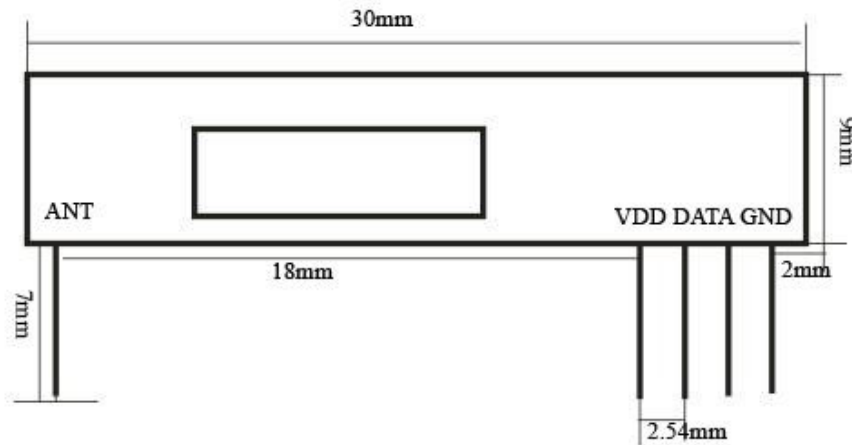
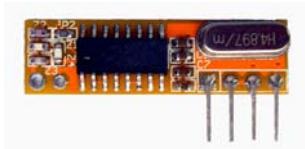
Product Identifiction

315MHZ	RXB12-315M
433.92MHZ	RXB12-434M

Electrical Characteristics :

Parameter	Specification			Unit	Condition
	Min	Typ	Max		
Frequency Range	300	315/433.92	450	MHz	
Receiver Sensitivity	-110		-105	dBm	
Data Rate	0.058		10	KBaud	
Supply Voltage, VDD	3.0		5.5	V	DC
Current	5.7		7.3	mA	
Operating Temperature	-20		+85	°C	

Size :



PIN :

PIN	1	2	3	4	5
NAME	ANT	VDD	DATA	DATA	DGND
Description	RF Input	Power Supply V+	Digital DATA Output	Digital DATA Output	Power Supply GND

Notes:

Antenna : Length = 22.6cm for 315MHz ; Length = 17 cm for 433.92MHz.