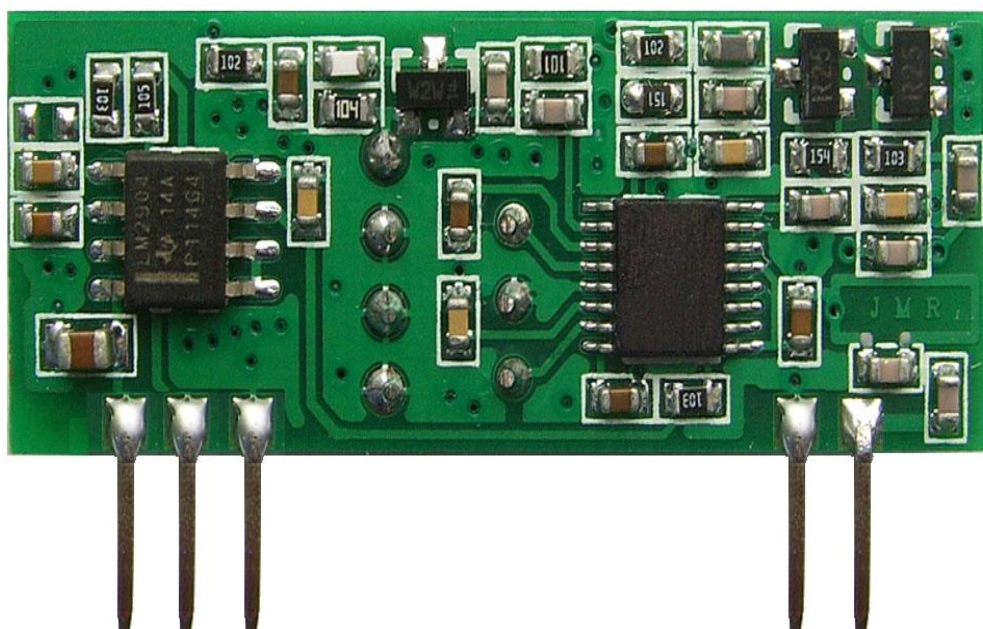




ASK Superhet Receiver

General Description:

RXB19 is a high quality super-heterodyne receiver module with VHF/UHF. The module is based upon markets' feedback and a lot of customers' advice. It has shocked in the electronic products market. The module adopting LSI circuit with high frequency and low noise which is imported from famous company of Europe. It has strong anti-static protection, high reliability and competitive price. Its widely used in remote GDO(garage door opener), auto-gates as retract type, brakes, GSM/GPS system, factory automatic, communication and security system etc.



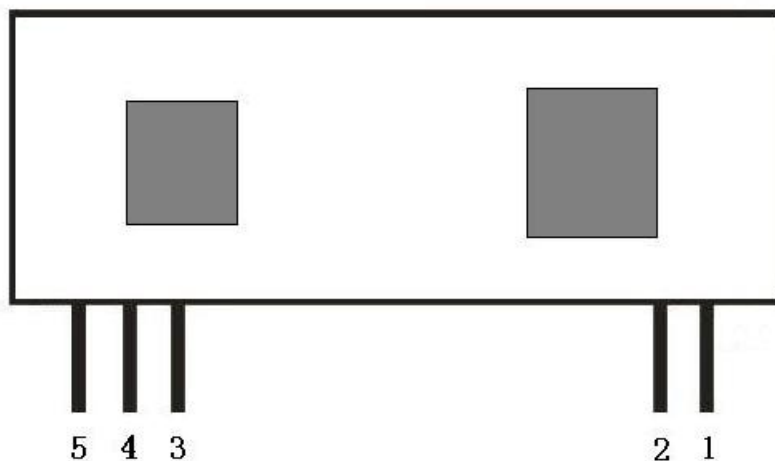


Product Key Features:

- § High sensitivity $-116\text{dBm}@433.92\text{ kbps BER}10\text{E}-2$;
- § Frequency: 315MHz/433.92MHz(others are available);
- § Low operation voltage: $V_{CC}=3-5.5\text{ V}$;
- § Low Current: $11\text{mA}@5\text{V}$.
- § Excellent ability of noise immunity against interfering source
- § Operating Temperature : $-30^{\circ}\text{C}\sim+85^{\circ}\text{C}$;

Product Application:

- * Remote gate controls
- * Remote keyless entry
- * Car alarm systems
- * wireless security systems
- * Automation systems
- * Remote control systems



1. ANT 2. GND 3. GND 4. DATA 5. VCC

Pin Assignment :

Pin	Name	Function
1	ANT	Antena In
2	GND	Ground
3	GND	Ground
4	DATA	Data connected to MCU
5	VCC	Positive Supply Power

Electrical Characteristics :

Condition: Ta=25℃ Vcc=5.0V Frequency=315MHz



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RXB19

Characteristics	Symbol	Condition	Value			Unit
			Min	Typ	Max	
Frequency	Fc		314. 90	315. 00	315. 10	MHz
Modulation Mode			ASK			
Receiver Sensitivity		1K Kbps /50 Ω		-116		dBm
Data-rate				200		KHz
Start-up time	Ton				9	mS
Current	IRC		9	10	11	mA
Working Voltage	VCC		3	5	5.75	V
Image Rejection		293. 6MH		10		dB
Output High Level		RL=500K	3.5	3.75	5	V
Output Low Level L					0.5	V
Working Temperature	TC		-30		+85	°C

Condition: Ta=25°C Vcc=5.0V Frequency=433MHz

Characteristics	Symbol	Condition	Value			Unit
			Min	Typ	Max	
Frequency	Fc		433. 82	433. 92	434. 02	MHz
Modulation Mode			ASK			
Receiver Sensitivity		1K Kbps /50 Ω		-116		dBm
Data-rate				200		KHz
Start-up time	Ton				9	mS
Current	IRC		9.5	10	11	mA
Working Voltage	VCC		4.5	5	5.75	V
Image Rejection		412. 52MHz		20		dB
Output High Level		RL=500K	2.8	3.75	5	V
Output Low Level L					0.5	V
Working Temperature	TC		-30		+85	°C

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Mechanical Dimension:

