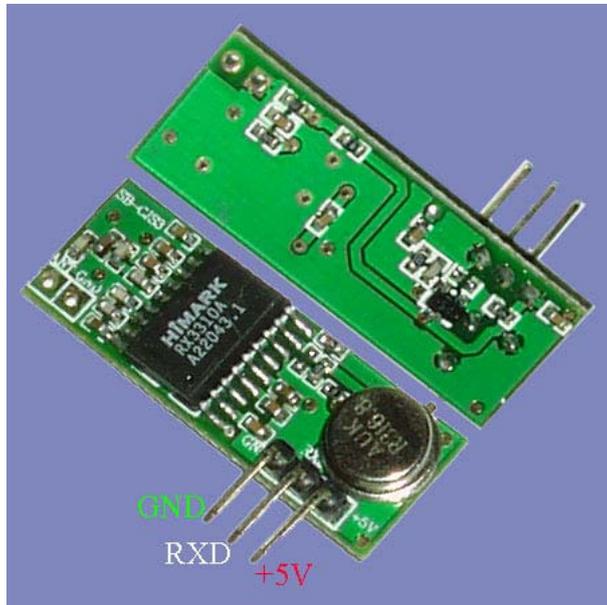

3310A IC Superheterodyne Receiver Module

Model No.: RM1SH



A. Technical Specifications:

Parameter	Condition	Reference Value			Units
		Minimum	Standard	Maximum	
Operating Voltage	DC		5		V
Quiescent Current			5		mA
Modulation Mode	AM				
Frequency			315/433		MHz
Receiving Sensitivity			-101		dBm
Transfer Rate			4.8K		bps
Output Mode	TTL				V
Dimension(LWH)			35*13*5		mm

B. Pin Function Introduction:

Pin	Name	Function
	VDD/VCC	Power Anode
	RXD/DATA	Data Output
	GND/VSS	Power Cathode

C. Product Specifications:

1. Applying SAW crystal oscillation overcomes easy frequency excursion of LC circuit,
2. Most parts of module are integrated into the chip 3310A, no so many external components, stable and reliable performance, excellent anti-jamming ability;
3. Built-in magnifying exchange circuit, the output data signal is TTL and can be directly connected to decoder.
4. Receiver module has wide operating voltage from DC3V to DC6V, with factory setup value 5V.
5. Output of receiver module come with noise, also can be no noise in case of special requirement, but the receiving sensitivity will be reduced.

D. Notes:

1. Connect 50 ohm 1/4 of wavelength cable antenna (wavelength= light speed/frequency), around 23 cm for 315MHz before using. Pulling out the antenna and keeping it straight will bring best effect.
2. Must make sure receiver module possesses stable voltage and good wave filtration because low voltage or wave form interference will shorten the receiving distance.
3. The same frequency interference will shorten the receiving distance. If SCM is used to be decoder, the SCM should come with low frequency crystal oscillation, if not, with higher frequency crystal oscillation, there will be stronger interference. Keep the module far away from interference source and apply lower frequency crystal oscillation as you can.
4. To avoid affecting the receiving distance, the antenna should be pulled outside of metal shell, for the metal shell will shield, the receiving distance will be affected.
5. Usually should avoid using two receiver modules at the same time, for the oscillation sources will interfere each other and the receiving distance will be shortened.