General Description:

RG-RX05B is ASK Super Heterodyne receiver with PLL for the 315MHz or 434MHz ISM band, with high sensitivity ,wide working voltage and Low consumption.

Both of RX05A & RX05B are using the same solution, with the same performance and compatible with RX04 / RX05A / RX07

Features:

- Wide working voltage:3~5V
- Low power consumption (5.5mA fully active mode at 315 / 434MHz)
- Optimized for 315 or 434MHz ISM band.
- High Sensitivity: -110dBm @ 315 / 433.92MHz.

Applications:

- Remote Keyless Entry (RKE) systems.
- Remote control systems including gate opener or garage door.
- Car security or wireless security systems
- Sensor reporting
- Automation system
- Remote Keyless entry

Pin Description





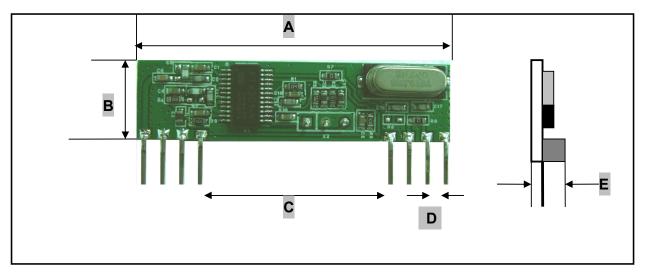
1 ANT 5 VCC 2 GND 6 DATA 3 GND 7 DATA

Part Number	Description	
RG-RX05B-A315M	ASK 315MHz Super Heterodyne Receiver module	
RG-RX05B-A434M	ASK 433.92MHz Super Heterodyne Receiver module	

Electrical Characteristics:

General Characteristics	Min	Тур	Max	Unit
Supply Voltage	2.8	5	5	VDC
Consumption DC current(CE=High)		5.5		mA
Receiver Frequency		315 / 433.92		MHz
RF Sensitivity (VCC=5V 1Kb/s AM99% Square-wave modulation)	-110dBm at 315MHz			dBm
RF Sensitivity (VCC-5V TRD/S AM35% Square-wave modulation)	-110dBm at 434MHz			
Data Rate		1	8	Kbit/s
IF frequency	10.7 (280k)		MHz	
Output Duty	45		55	%
Operating Temperature Range	-40		85	°C

Mechanical Dimension:



Name	Dimension	Name	Dimension
Α	43.44mm +/-0.05mm	D	2.54mm
В	12mm +/-0.05mm	E	5.54mm+/- 0.05
С	25.4mm +/-0.05mm		

Typical Application:

