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## 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

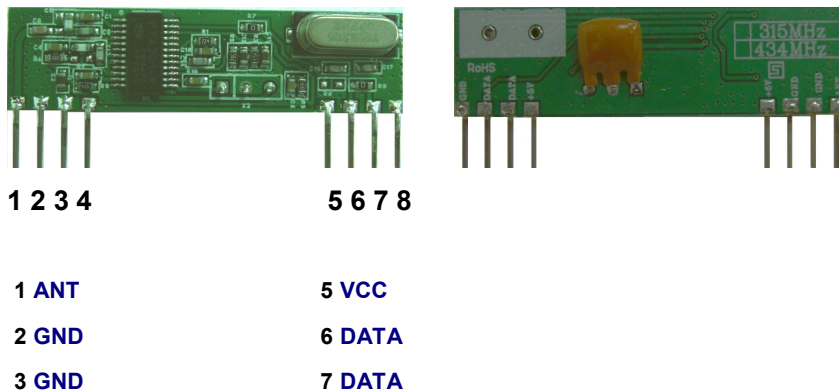
## Features:

- 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

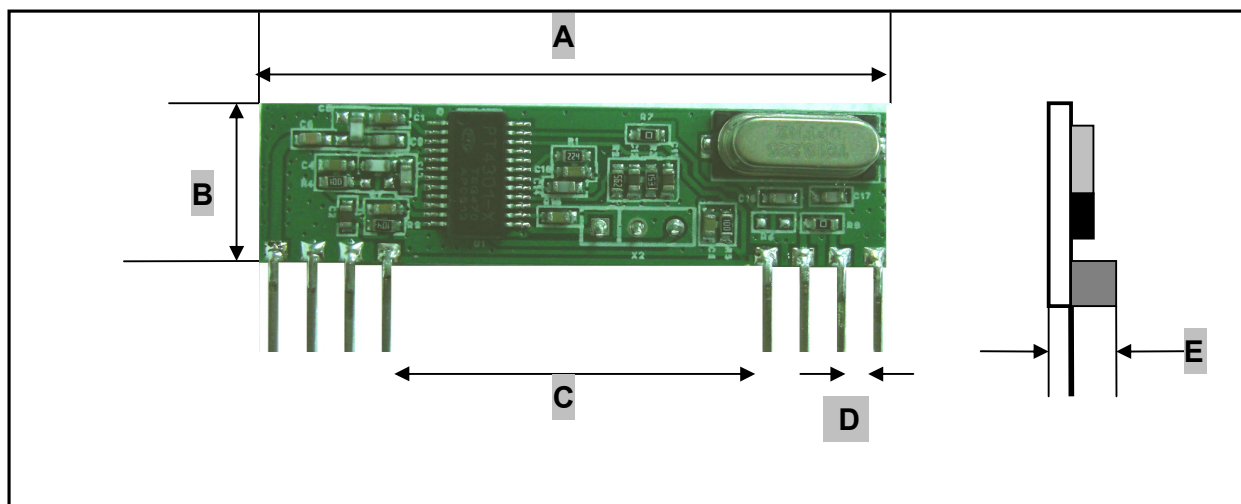


Part Number	Description
RG-RX05B-A315M	ASK 315MHz Super Heterodyne Receiver module
RG-RX05B-A434M	ASK 433.92MHz Super Heterodyne Receiver module

## Electrical Characteristics:

General Characteristics	Min	Typ	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)	<b>-110dBm at 315MHz</b> <b>-110dBm at 434MHz</b>			dBm
Data Rate		1	8	Kbit/s
IF frequency	10.7 (280k)			MHz
Output Duty	45		55	%
Operating Temperature Range	-40		85	℃

## Mechanical Dimension:



Name	Dimension	Name	Dimension
A	43.44mm +/-0.05mm	D	2.54mm
B	12mm +/-0.05mm	E	5.54mm+/- 0.05
C	25.4mm +/-0.05mm		

## RG-RX05B-ASK

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### Typical Application:

