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## General Description:

RX07-ASK is ASK Super Heterodyne receiver with PLL for the ISM band 315MHz or 434MHz ISM band, which is with wide working voltage, high sensitivity, low consumption and low cost.  
High Sensitivity: -110dBm for 315MHz / -110dBm for 434MHz.

### ASK 315/434MHz PLL Receiver



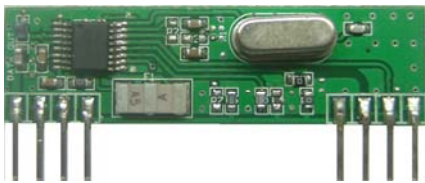
## Features:

- Wide Working Voltage: 3~5V
- Low power consumption (2.85mA fully active mode at 315 / 434MHz)
- High Sensitivity: -110dBm for 315MHz / -110dBm for 434MHz.

## 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 2 3 4**

**1 ANT**

**2 GND**

**3 GND**

**4 VCC**

**5 6 7 8**

**5 VCC**

**6 DATA**

**7 DATA**

**8 GND**

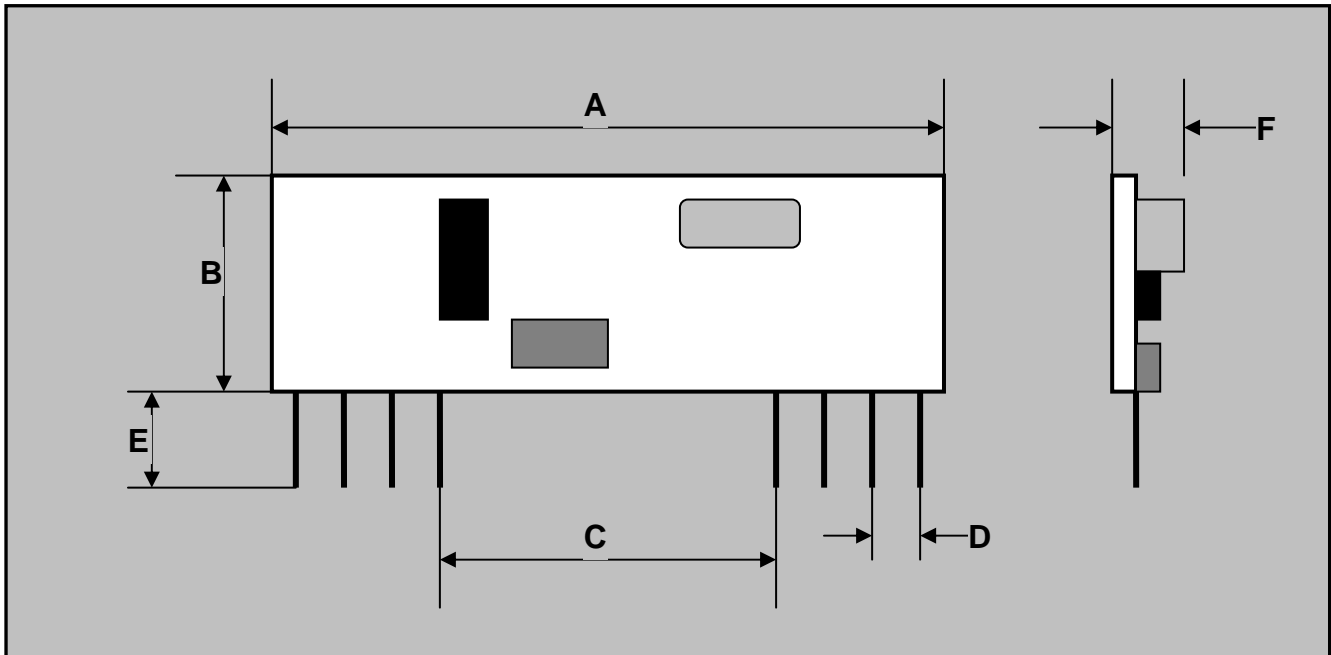
Part Number	Description
RX07-A315M	ASK 315MHz Super Heterodyne Receiver module
RX07-A434M	ASK 434MHz Super Heterodyne Receiver module

**Other frequency can be customized by request**

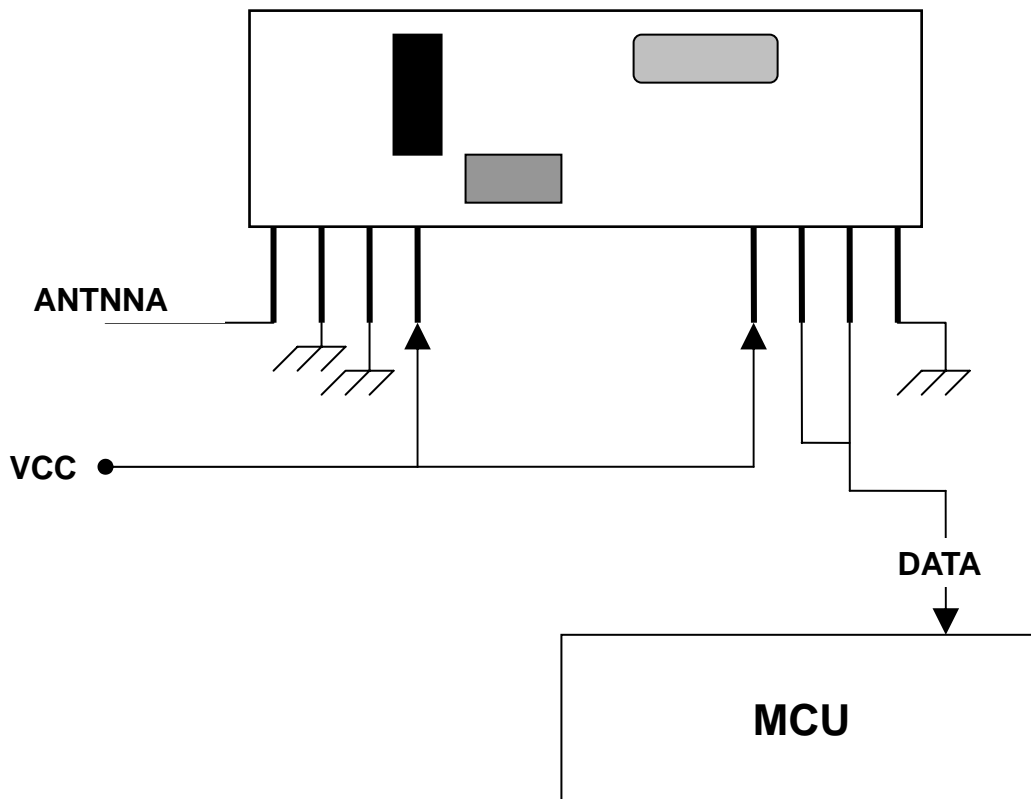
**Electrical Characteristics :**

General Characteristics	Min	Typ	Max	Unit
Supply Voltage	2.8	5	5.5	VDC
Consumption DC current(CE=High)	2.7	2.85	3.0	mA
Receiver Frequency		315/433.92		MHz
RF Sensitivity (VCC=5V 1Kb/s AM99% Square)		-110dBm at 315MHz -110dBm at 433.92MHz		dBm
Max Data Rate		1	5	Kbit/s
IF frequency (Bandwidth)		280		KHz
Output Duty	45		55	%
Operating Temperature Range	-40		85	°C

**Mechanical Dimension:**



Name	Dimension	Name	Dimension
A	44.04mm+/- 0.05mm	D	2.54mm
B	12.44mm+/- 0.05mm	E	5.57mm
C	25.4mm	F	5.0 +/- 0.05mm(Max)

**Typical Application:****Remark:**

1. Antenna length: 23cm for 315 MHz / 17cm for 434 MHz