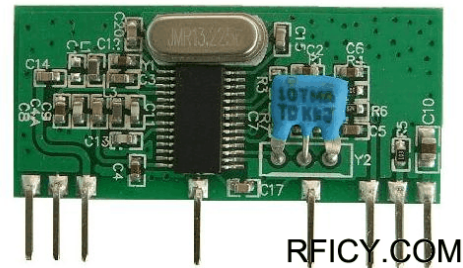


**Type: ASK/OOK Super-Heterodyne Receiver Module**  
**Model: CY17-XXX**

**1. DESCRIPTION:**

The CY17 is a ASK/OOK superhet receiver based on Xtal, which is designed with high sensitivity, long distance, easy use for designing, it can be able to fulfill most demands of European market specially.

XXX: Customer specifined frequency (315,433.92MHz or custom frequency are availabe)



**2. FEATURES:**

- Frequency: 315MHz/433.92MHz(custom frequency is available)
- High sensitivity: -110dBm@433.92 1kbps BER10E-2;
- Supply voltage: VCC= 5V ± 10%;
- Low current:4.6mA;
- 10.7MHz IF;
- Operating temperature:-40°C ~+85°C
- Fully integrated VCO and PLL synthesizer;
- European pin-out

**3. APPLICATION:**

- Garage door and gate openers
- Remote controls
- Remote fan and light control
- Smart home system
- Alarm and security system

**4. PIN DEFINITION:**

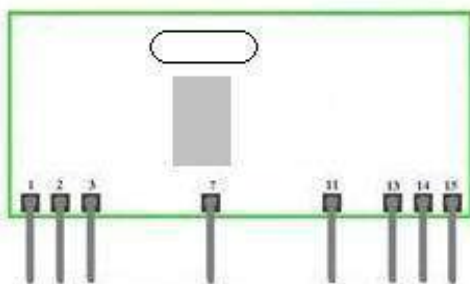




Figure1 CY17 Shape &amp; Pins

<b>Pin 1</b>	<b>N.C.</b>	Not connected.
<b>Pin 2-7</b>	<b>Ground</b>	GND
<b>Pin 3</b>	<b>Antenna</b>	Antenna input, impedance 50 ohm.
<b>Pin 11</b>	<b>N.C.</b>	Not connected.
<b>Pin 13</b>	<b>RSSI Out –Test point</b>	RSSI output proportional to the amplitude of the input signal.
<b>Pin 14</b>	<b>Data output</b>	Data output from the receiver.
<b>Pin 15</b>	<b>+Vs</b>	Positive Voltage supply.

Note1: ANT pin is a 50 ohm antenna input. The length is about:

23cm for 315MHz

17cm for 433.92MHz

## 5. ELECTRICAL CHARACTERISTICS:

Condition: Ta=25°C Vcc=5.0V Frequency=315MHz

Parameter	Specification			Unit	Condition
	Min	Typ	Max		
Frequency Range	314.90	315.00	315.10	MHz	Others available
Receiver Sensitivity		-110		dBm	BER=10E-2
Date Rate			2.4	Kbps	Manchester code
Supply Voltage	4.5	5	5.5	V	DC
Current			4.6	mA	
Operating Temperature	-40		+85	°C	

Condition: Ta=25°C Vcc=5.0V Frequency=433.92MHz

Parameter	Specification			Unit	Condition
	Min	Typ	Max		
Frequency Range	433.82	433.92	434.02	MHz	Others available
Receiver Sensitivity		-110		dBm	BER=10E-2
Date Rate			2.4	Kbps	Manchester code
Supply Voltage, VDD	4.5	5	5.5	V	DC
Current			4.6	mA	
Operating Temperature	-40		+85	°C	

6. MECHANICAL SIZE: (UNIT: mm)

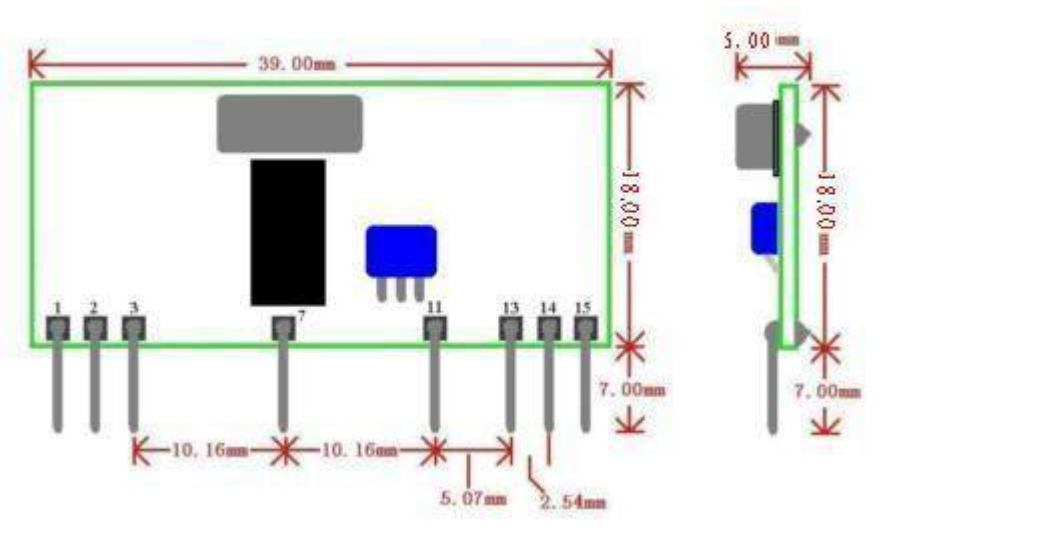
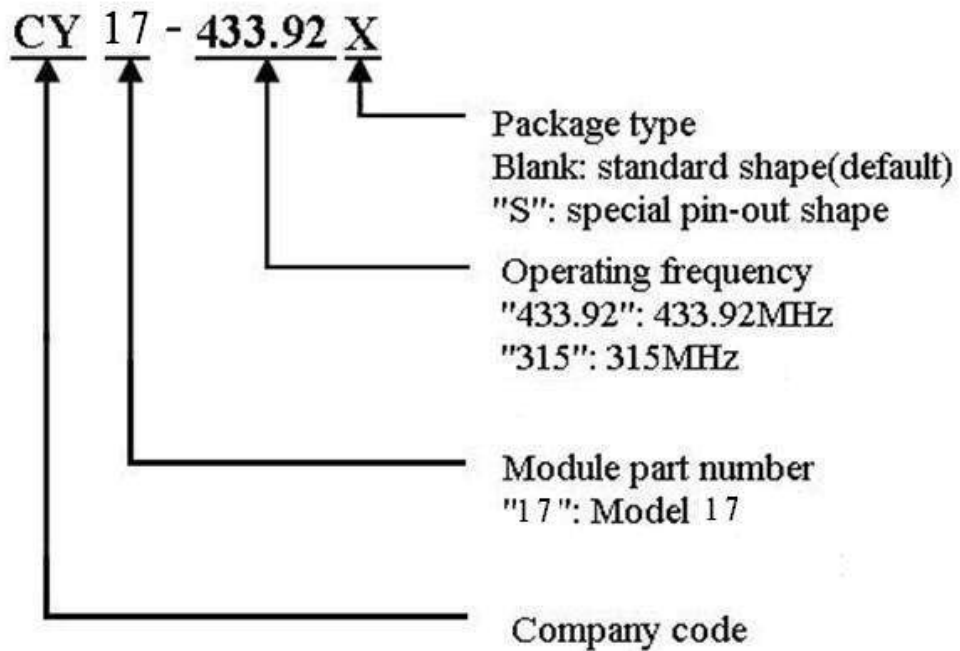


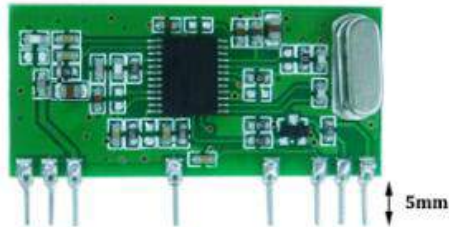
Figure2 CY17 Dimension

7. ORDER INFORMATION:

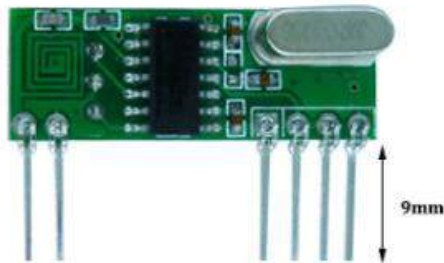


## 8. PIN TYPE SELECTION:

### Short soft pin



### Long soft pin



### Standard hard pin



For more information and assistance, please contact us as follows:

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