

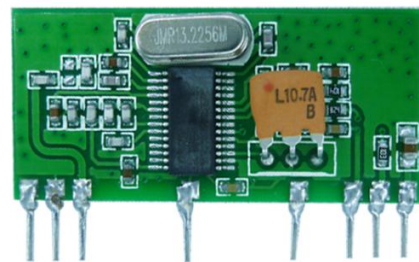


Type: ASK/OOK Super-Heterodyne Receiver Module

Model: CY17-XXX

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.



Order Information:

Model NO.	Frequency
CY17-315	315 MHz
CY17-433	433.92 MHz

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℃~+85℃
- Fully integrated VCO and PLL synthesizer;
- European pin-out

Application

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

Pin Description

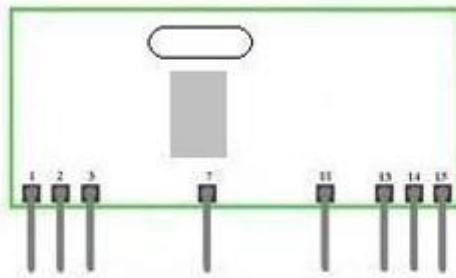


Figure1 CY17 Shape & Pins

Pin-out as showed in figure 1 above

Pin 1	N.C.	Not connected
Pin 2-7	GND	Ground
Pin 3	ANT	Antenna input, impedance 50 ohm.
Pin 11	N.C.	Not connected
Pin 13	RSSI Out-Test point	RSSI output proportional to the amplitude of the input signal.
Pin 14	Data output	Data output from the receiver.
Pin15	+Vs	Positive Voltage supply.

Note 1: ANT pin is a 50 ohm antenna input. The length is about:
23cm for 315MHz
17cm for 433.92MHz

**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
Data 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
Data Rate			2.4	Kbps	Manchester Code
Supply Voltage	4.5	5	5.5	V	DC
Current			4.6	mA	
Operating Temperature	-40		+85	°C	

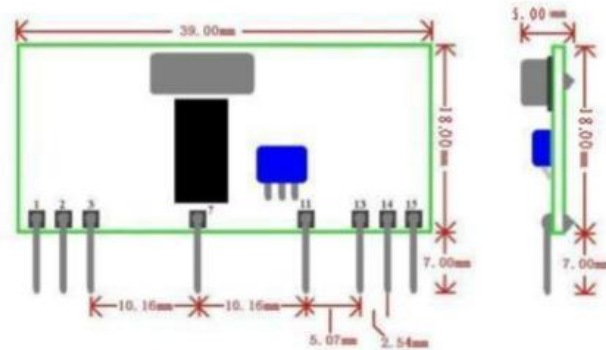
**Mechanical Size: (Unit: MM)**

Figure2 CY17 Dimension

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

CY WIRELESS TECHNOLOGY LIMITED

Add: 1407, Block C, Tairan Building, 8th Tairan Road, Futian District,

Shenzhen, Guangdong Province, China

Website: www.rficy.com

Email: info@rficy.com