

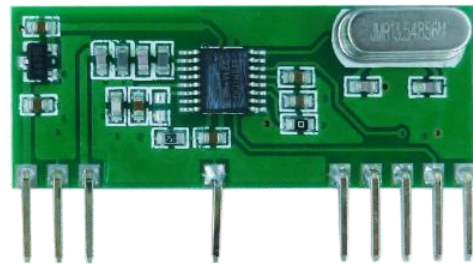


Type: ASK/OOK Super-Heterodyne Receiver Module

Model: CY60-XXX

Description:

The CY60 is a ASK/OOK compatible super heterodyne wireless receiving module with high performance for ISM frequency band. With the adoption of European brand RF wireless data transferring/receiver chipsets. The model has a high receiving sensitivity and strong ability of resisting. From wireless signal input to data output can be done without any electrical circuit. User only use extra simple data decode circuit can achieve wireless products development.



CY60 is for industrial level version.

Order Information:

Model NO.	Freq.
CY60-315	315MHz
CY60-433	433.92MHz

Features:

- Frequency: 315MHz/433.92MHz/868.35/915MHz (custom frequency is available);
- High sensitivity -110dBm@433.92 1kbps BER10E-2;
- Supply voltage: VCC= 3.6to 5.5 V;
- IF band: 230KHz;
- Low power consumption: 4.8mA@315M, 6mA@433.92M.
- Wide operating temperature;
- Excellent selectivity and noise rejection;
- Analog RSSI Output(only for V2.0) ;
- SIL(single in line) small package

Application

- Remote gate controls
- Remote keyless entry
- Car alarm systems
- Wireless security systems
- Automation systems

Pin Description

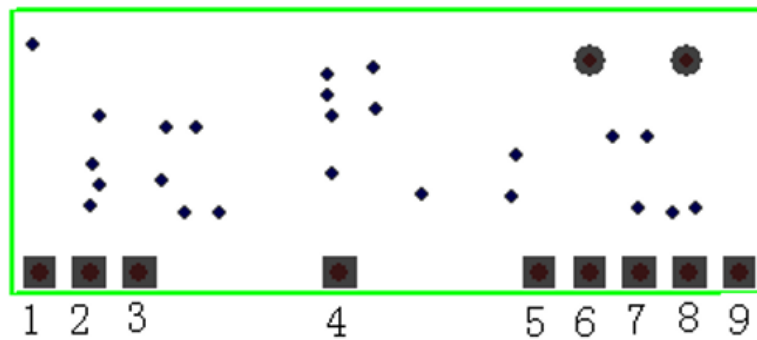


Figure1 CY60 Shape & Pins

Pin	Pin Name	Pin Definition
1	VCC	Positive Power Supply
2	GND	Ground
3	ANT	Antenna
4	GND	Ground
5	GND	Ground
6	VCC	Positive Power Supply
7	RSSI	Indication of Signal Strength
8	DATA	Data Out
9	EN	Enable Mode. Working Mode in low level input.



Note1: 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	315.10	MHz	Other freq. available
Receiver sensitivity		-110		dBm	BER=10E-2
Data rata	0.58	1.2	9.6	Kbps	Manchester code
Supply voltage, VDD	3.6	5	5.5	V	DC
Current	4.8		6	mA	
Operation 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	Other freq. available
Receiver sensitivity		-110		dBm	BER=10E-2
Data rata	0.58	1.2	9.6	Kbps	Manchester code
Supply voltage, VDD	3.6	5	5.5	V	DC
Current	4.8		6	mA	
Operation temperature	-40		+85	°C	



Mechanical Size: (Unit: MM)

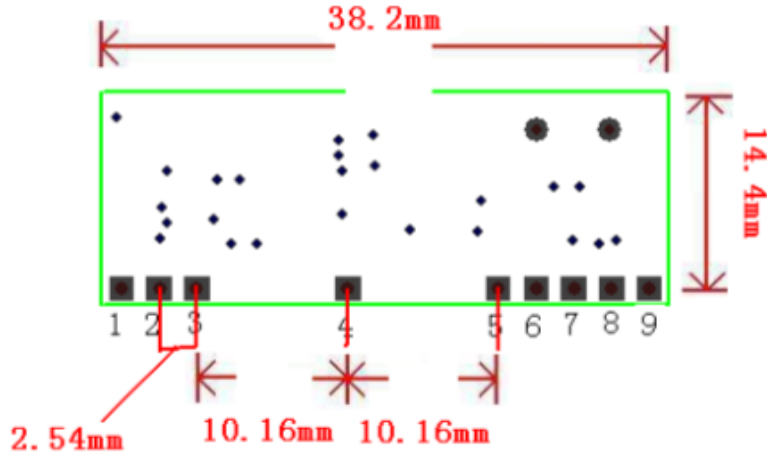


Figure2 CY60 Dimension

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

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