

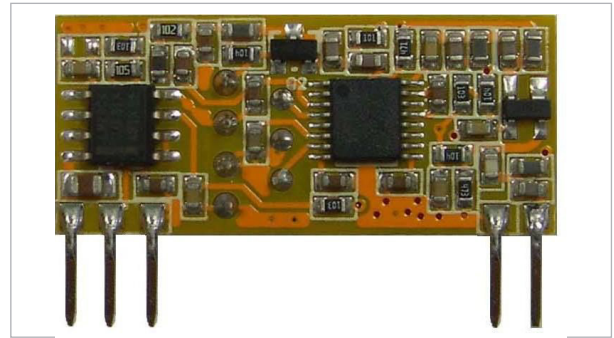


DESCRIPTION

CY11 is a high quality super-heterodyne receiver module with VHF/UHF. The module is designed based upon markets' feedback and a lot of customers' advice. It has shocked in the electronic products market. The module adopting LSI circuit with high frequency and low noise which is imported from famous company of Europe. It has strong anti-static protection, high reliability and competitive price. Its widely used in remote GDO(garage door opener), auto-gates as retract type, brakes, GSM/GPS system, factory automatic, communication and security system etc.

FEATURES

- Frequency: 315M/433.92MHz (custom frequency is available)
- Compact hybrid modules
- Single conversion super-heterodyne
- 10.7 MHz high rejection IF filter
- Receiving range up to 600 meters
- CMOS/TTL compatible output
- Supply voltage 4.5-5.5V
- Higher receiver sensitivity down to -114dBm
- LO is determined by the SAW
- Excellent ability of noise immunity against interfering source
- A high degree of suppress assemble or scatter radiation
- Can easy pass kinds of certification
- Temperature Range: -40-85°C

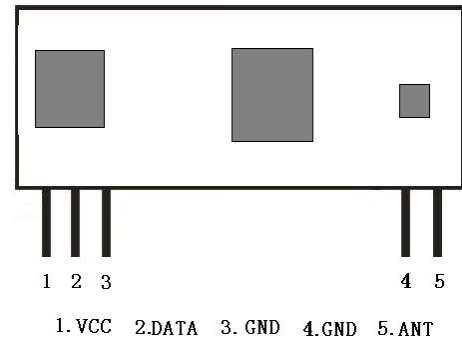


APPLICATION

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

PIN DEFINITION

Figure 1 CY11 Shape & Pins



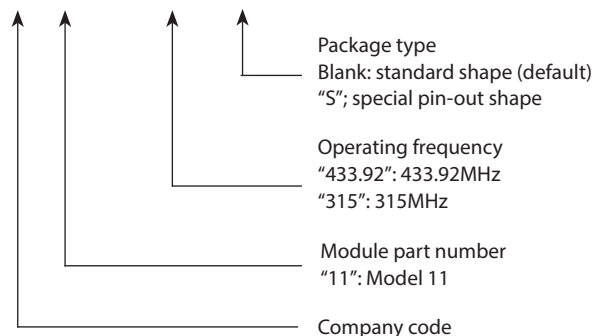
Pin-out as showed in figure 1 above

Pin Name	Pin Definition
ANT	Antenna In
GND	Connect to negative power supply
GND	Connect to negative power supply
DATA	Data output
VCC	Connect to positive power supply

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

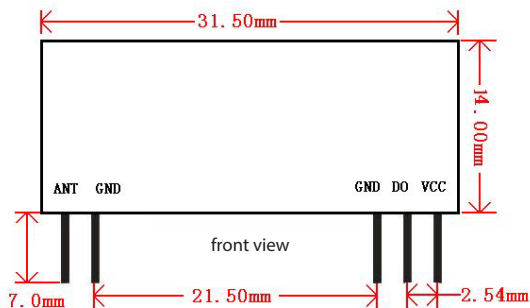
ORDER INFORMATION:

CY 11 - 433.92 X



MECHANICAL DIMENSION

Figure 2 CY11 Dimension



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

ELECTRICAL CHARACTERISTICS					
Parameters	Condition	Reference Value			Unit
		Min	Typ	Max.	
Frequency Range	other freq. available	314.90	315.00	315.10	MHz
Receiver Sensitivity			-114		dBm
Data Rate	Manchester Code	0.58		4.8	Kbps
Supply Voltage VDD	DC	4.5	5.0	5.5	V
Current	DC			12	mA
Operating Temperature		-40		+85	°C

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

ELECTRICAL CHARACTERISTICS					
Parameters	Condition	Reference Value			Unit
		Min	Typ	Max.	
Frequency Range	other freq. available	433.82	433.92	434.02	MHz
Receiver Sensitivity			-114		dBm
Data Rate	Manchester Code	0.58		4.8	Kbps
Supply Voltage VDD	DC	4.5	5.0	5.5	V
Current	DC			12	mA
Operating Temperature		-40		+85	°C