
Type: ASK/OOK Super-Heterodyne Receiver Module

Model: CY63-XXX

Description:

CY63 is a superheterodyne wireless receiving module of ISM band with superior performance. Using the brand RF wireless data transmission receiving chip, with high receiving sensitivity and strong anti-interference ability, without any additional circuit that can be wireless signal input to data signal output. Users only need to add a simple data decoding circuit, can easily realize the development of wireless products.



Order Information:

Model NO.	Frequency
CY63-315	315 MHz
CY63-433	433.92 MHz

Features:

- Frequency: 315M/433.92 MHz(custom frequency is available)
- Higher receiver sensitivity up to-116dBm
- Supply voltage 2.4-5.5V
- Low power consumption: 5V @ 433.92MHz, 6.5mA; 5V @315MHz, 6.2mA;
- Good selectivity and stray radiation suppression ability, easy to pass CE/FCC international certification
- A high degree of suppress assemble or scatter radiation
- Excellent ability of noise immunity against interfering source

Application

- Car remote door switch (RKE);
- Remote control door opening machine;
- Wireless security alarm;
- Remote control curtain machine;
- Wireless industrial controller;

- Suitable for clothes drying racks, garbage disposal and other products with motor interference;

Pin Description

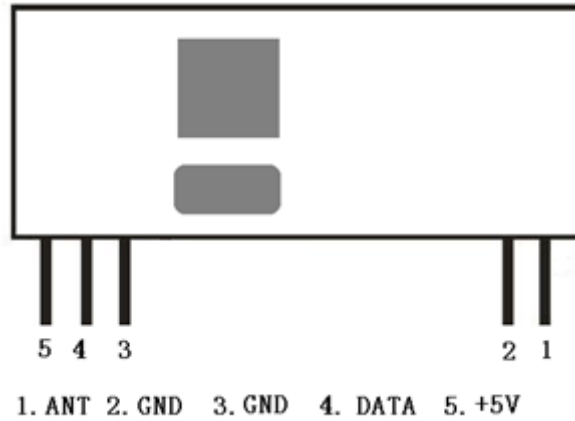


Figure1 CY63 Shape & Pins

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
+5V	Connect to positive power supply

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	-115	-116	-118	dBm	
Bandwidth		200		KHz	
Supply Voltage, VDD	2.4	5.0	5.5	V	DC
Current		6.2		mA	DC
Operating Temperature	-20		+70	°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	-115	-116	-118	dBm	
Bandwidth		200		KHz	
Supply Voltage, VDD	2.4	5.0	5.5	V	DC
Current		6.5		mA	DC
Operating Temperature	-20		+70	°C	

Mechanical Size: (Unit: MM)

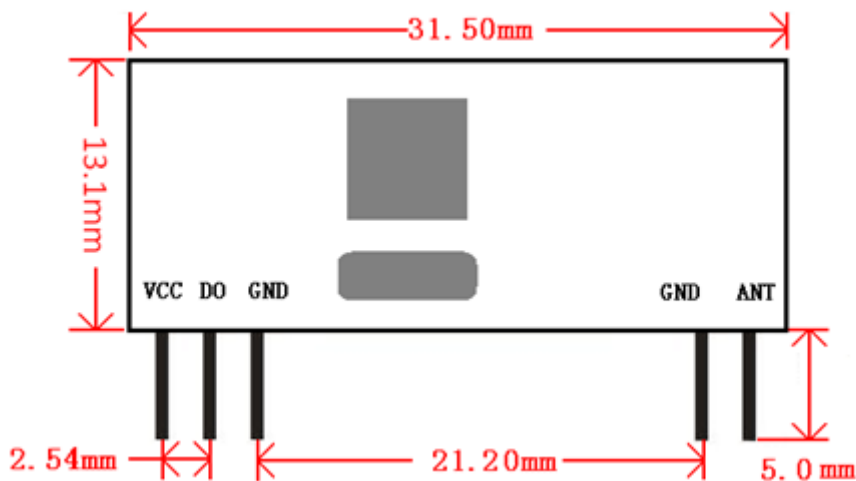


Figure2 CY63 Dimension



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