

Type: ASK/OOK Super-Heterodyne Receiver Module
Model: CY07-V1.1-XXX

1. DESCRIPTION:

The CY07-V1.1 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, that 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. CY07-V1.1 is for commercial level version.

Without Cover:



With Cover:



2. FEATURES:

- Frequency: 315MHz/433.92MHz (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.
- Excellent selectivity and noise rejection;

3. APPLICATION:

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

4. PIN DEFINITION:

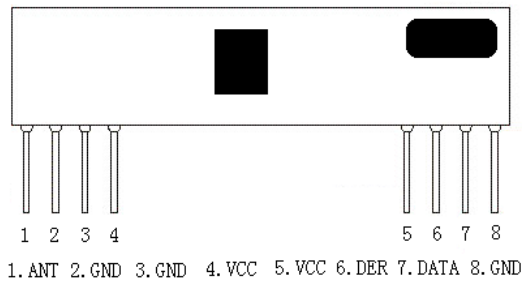


Figure1 CY07-V1.1Shape & Pins

Pin Name	Pin Definition
ANT	Antenna In
GND	Connect to negative power supply
GND	Connect to negative power supply
VCC	Connect to positive power supply
VCC	Connect to positive power supply
DER	Optional output: 1, DATA output(default setting) 2, Battery Saving Mode (Working mode in low level input) (Sleeping mode in high level input)
DATA	Data Output
GND	Connect to negative power 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	315.10	MHz	Others available
Receiver Sensitivity		-110		dBm	BER=10E-2
Data Rate	0.58	1.2	4.8	Kbps	Manchester code
Supply Voltage, VDD	3.6	5	5.5	V	DC
Current	4.8		6.2	mA	
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	Others available
Receiver Sensitivity		-110		dBm	BER=10E-2
Data Rate	0.58	1.2	4.8	KBaud	Manchester code
Supply Voltage, VDD	3.6	5	5.5	V	DC
Current	4.8		6.2	mA	
Operating Temperature	-20		+70	°C	

6. MECHANICAL SIZE: (UNIT: mm)

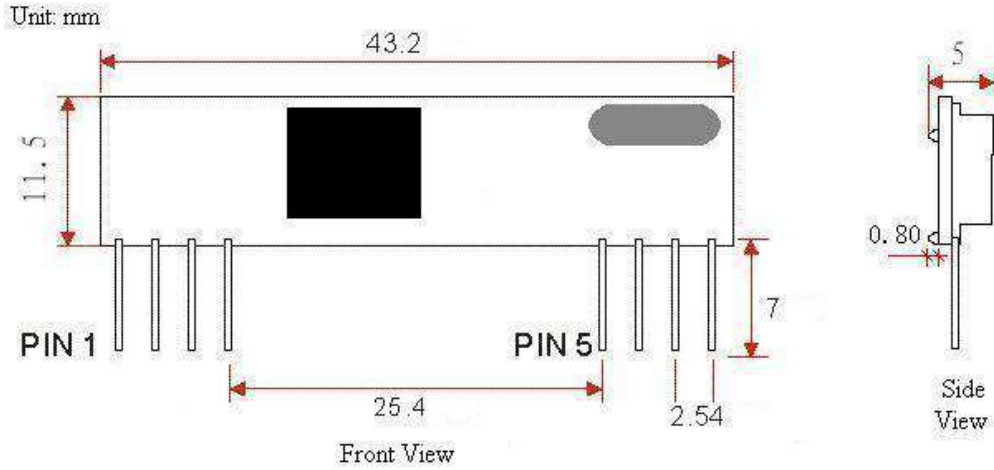
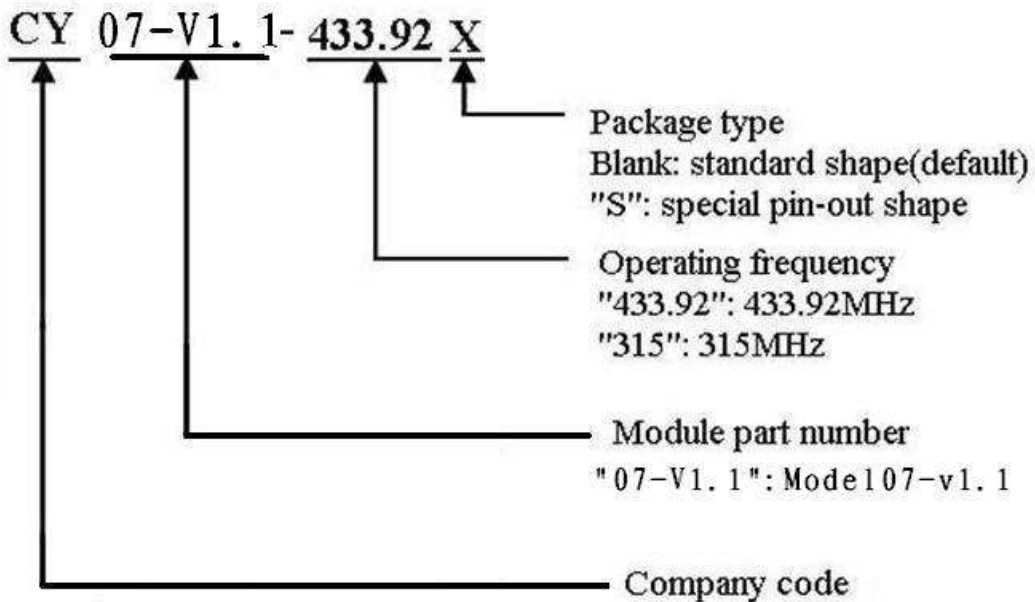


Figure2 CY07-V1.1 Dimension

7. ORDER INFORMATION:





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

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