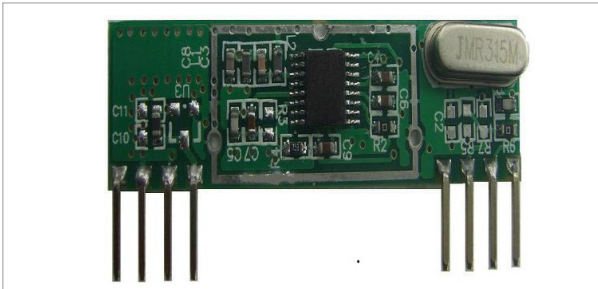




DESCRIPTION

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:



FEATURES

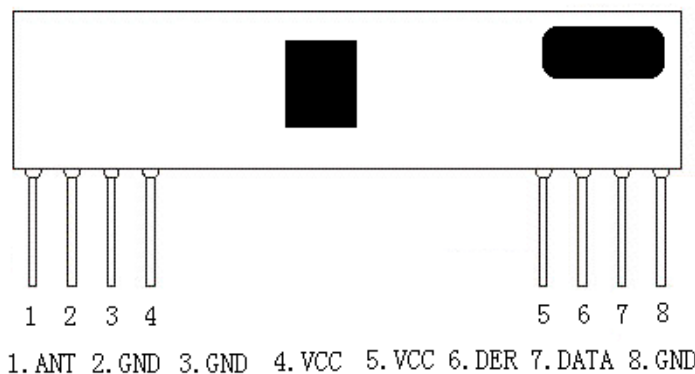
- Frequency: 315MHz/433.92MHz (custom frequency is available);
- High sensitivity -110dBm@433.92 1kbps BER10E-2;
- supply voltage: VCC= 3.6to 5.5 V;
- IF band: 230KHz;
- Low power consumption: 4.8mA@315M, 6mA@433.92M.
- Excellent selectivity and noise rejection;

APPLICATION

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

PIN DEFINITION

Figure 1 CY07-V1.1 Shape & Pins

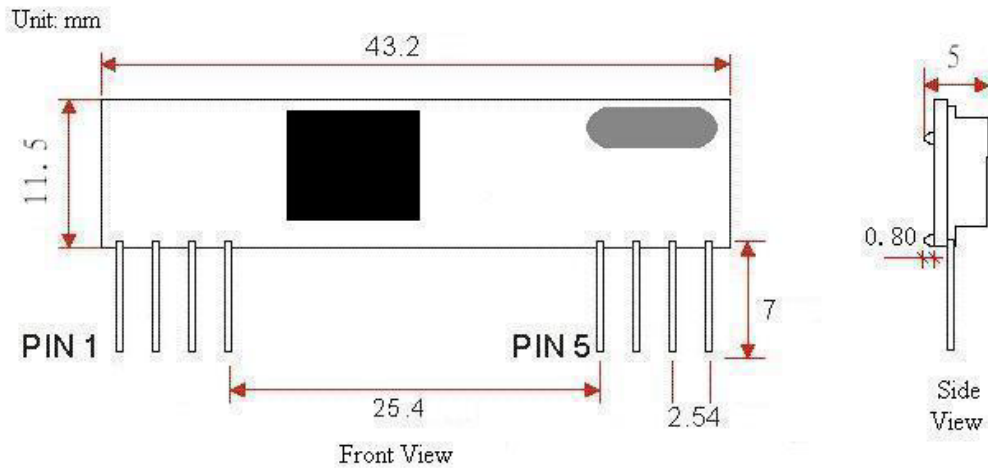


Pin Name	Pin Definition
ANT	Antenna In
GND	Connect to negative power supply
GND	Connect to negative power supply
VCC	Connect to positive power supply
VCC	Connect to positive power supply
DER	Optional output: 1. DATA output (default setting); 2. Battery saving mode: (working mode in low level input) (Sleeping mode in high level input) 3. RSSI
DATA	Data output
GND	Connect to negative power supply

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

MECHANICAL DIMENSION

Figure 2 CY07-V1.1 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	315.10	MHz
Receiver Sensitivity	BER=10E-2		-110		dBm
Data Rate	Manchester Code	0.58	1.2	4.8	Kbps
Supply Voltage VDD	DC	3.6	5	5.5	V
Current		4.8		6.2	mA
Operating Temperature		-20		+70	°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	BER=10E-2		-110		dBm
Data Rate	Manchester Code	0.58	1.2	4.8	KBaud
Supply Voltage VDD	DC	3.6	5	5.5	V
Current		4.8		6.2	mA
Operating Temperature		-20		+70	°C

ORDER INFORMATION:

CY 07-V1.1 - 433.92 X

