

Type: ASK/OOK Super-Heterodyne Receiver Module
Model: CY89-V1.1-868.35

1. DESCRIPTION:

The CY89-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. 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.

CY89-V1.1 is for industrial level version.



2. FEATURES:

- Frequency: 868.35MHz (custom frequency is available);
- High sensitivity -107dBm@868.35 1kbps BER10E-2;
- Supply voltage: VCC= 4.5V to 5.5 V;
- IF band: 200KHz;
- Low power consumption:13mA
- Excellent selectivity and noise rejection;

3. APPLICATION:

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

4. PIN DEFINITION:

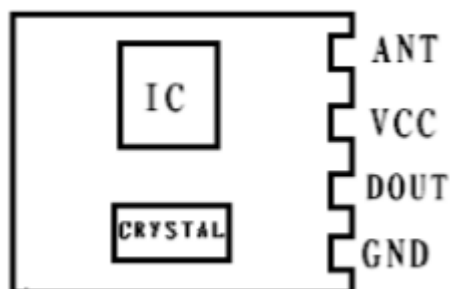


Figure1 CY89-V1.1-868.35 Shape & Pins

Pin-out as showed in figure1 above.

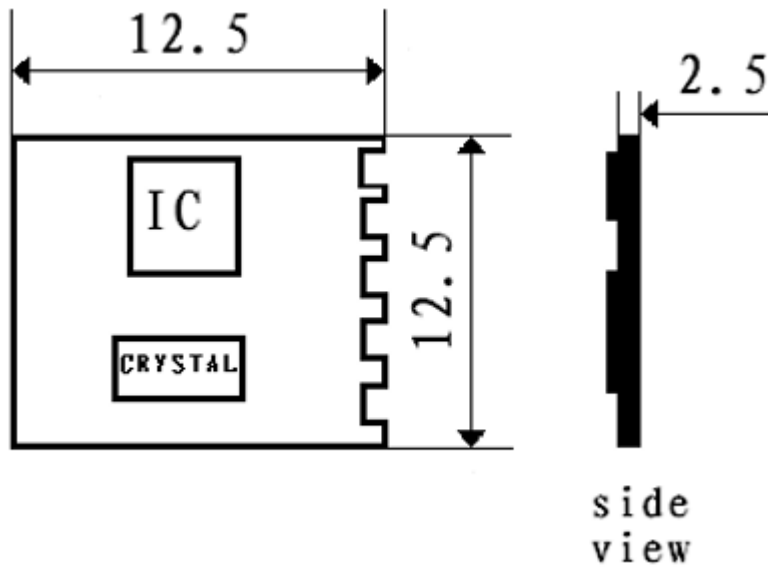
Pin Name	Pin Definition
ANT	RF signal input pin, connect antenna outside(Note1)
VCC	Connect to positive power supply
DOUT	Data Pin
GND	Connect to negative power supply

Note1: ANT pin is a 50 ohm antenna input. The length is about:
8.5cm for 868.35MHz

5. ELECTRICAL CHARACTERISTICS:

Condition: Ta=25°C Vcc=5.0V Frequency=868.35MHz

Parameters	Status	Reference			Unit
		Min.	Typ.	Max.	
Frequency	Others available	868.25	868.35	868.45	MHz
Modulation		ASK			
Sensitivity	BER=10E-2		-107		dBm
Data Rate	Manchester Code	0.58	1.2	4.8	Kbps
Working Voltage		4.5	5.0	5.5	V
Working Current			13		mA
Working Temperature		-20		70	°C

6. MECHANICAL SIZE: (UNIT: mm)**Figure 2 CY89-V1.1-868.35 Dimension**

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

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