

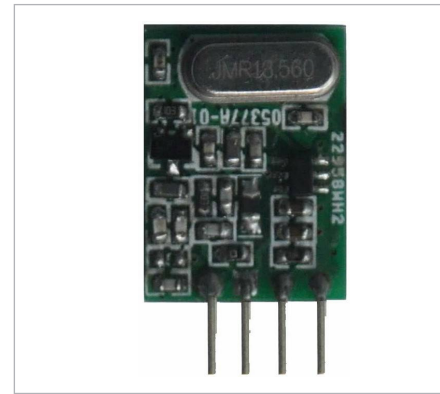


DESCRIPTION

The CYT8 is an ASK Hybrid transmitter module. The result is excellent performance and it's easy-to-use. The CYT8 is designed specifically for remote-control, car alarm system and etc wireless applications.

FEATURES

- Modulation: ASK/OOK;
- Frequency: 315/433.92 MHz ;
- Operating Voltage: 1.8V ~ 3.6V;
- Output Power: up to 40mW@3.6V;
- Circuit Shape: PLL;
- Current: 25mA/3.6V(average, 1:1 duty cycle);
- Operating temperature: -20°C+70°C (It can custom to -40~85°C upon requests);
- Frequency tolerance: ±100 KHz;
- Bit rate: <3kbps;
- The range can be up to 500m when matching with CY11.



APPLICATION

- Wireless Security and Alarm Systems;
- Home Automation;
- Keyless Entry;
- Wireless Dish Order Machine;
- Wireless Calling System;
- Remote Control System of Gas Station;

MECHANICAL DIMENSION

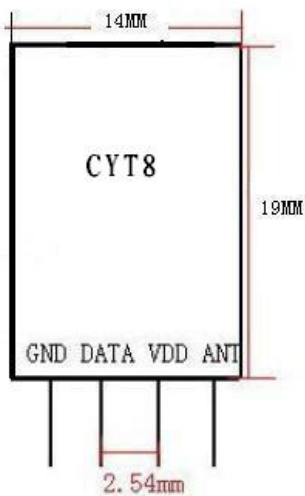


Figure 1 CYT8 Dimension

PIN DEFINITION

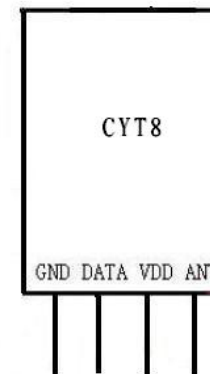


Figure 2 CYT8 Shape & Pins

Pin-out as showed in figure1 above

Pin	Name	Pin Definition
1	GND	Ground
2	DATA	Data connected to MCU
3	VDD	Positive Power Supply
4	ANT	Antenna

Condition: Ta=25°C

ELECTRICAL CHARACTERISTICS			Reference Value			Unit
Parameters	Symbol	Condition	Min	Typ	Max.	
Frequency	Fc			315/433.92		MHz
Modulation				ASK		
Output power		3,6V / 50 Ohms		40		mW
Data-rate				2.4k		Hz
Frequency Tolerate	Fc			±100k		Hz
Current	IRC		18		26	mA
Working Voltage	VCC		1.8	3.0	3.6	V
Working Temperature	TC		-20		+70	°C

CAUTION

- Transmitting time: <10s (less than 10 seconds for each emission).
- Power off when CYT8 is not transmitting. It is suggested to add an electric switch circuit to control this.
- It's a high output power transmitting module, it's normal that the heat is higher than standard modules.