Type: ASK Super-Heterodyne Transmitter Module

Model: CYT8

Description:

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

Order Information:

Model NO.	Frequency
CYT8-315	315 MHz
CYT8-433	433.92 MHz

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℃～+70℃(It can custom to -40℃ ~ 85℃ upon requests);
- Frequency tolerance: ±50 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;

Pin Description

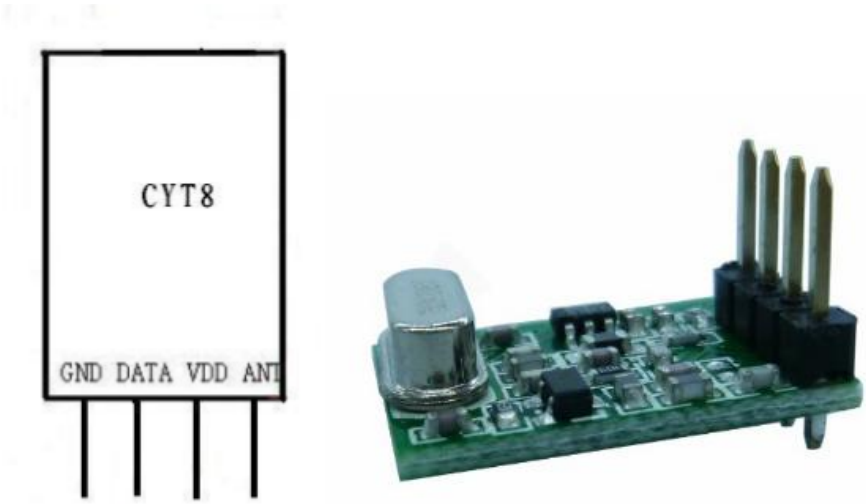

Figure1 CYT8 Shape & Pins

Please note: CYT8 is come with standard 4 Vertical PINs as the picture showed in the right hand side. Please notify us if you would like horizontal PIN.

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

Electrical Characteristics:

Condition : Ta=25℃

Characteristics	Symbol	Condition	Value			Unit
			Min	Typ	Max	
Frequency	Fc			315/433.92		MHz
Modulation Mode				ASK		
Output power		3.6V/50Ω		17dBm		dBm
Data-rate				2.4		Kbps
Frequency Tolerate	Fc			±50		kHz
Current	IRC		18		26	mA
Working Voltage	VCC		1.8	3.0	3.6	V
Working Temperature	TC		-20		+70	℃

Mechanical Size: (Unit: MM)

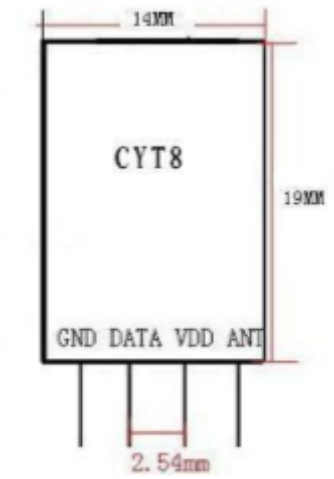

Figure2 CYT8 Dimension

CAUSTION

---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 is suggested to allow 3 minutes for the module to cool down after transmitting.

---It's a high output power transmitting module, it's normal that the heat is higher than standard modules.

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

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