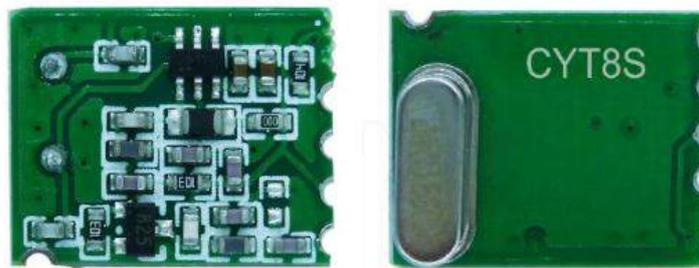


Type: SMD Transmitter Module
Model: CYT8S

1. DESCRIPTION:

The CYT8S is an ASK Hybrid transmitter module. The CYT8S is an SMD type transmitter module. The result is excellent performance and it is easy-to-use. The CYT8S is designed specifically for remote-control, car alarm system and other wireless applications.



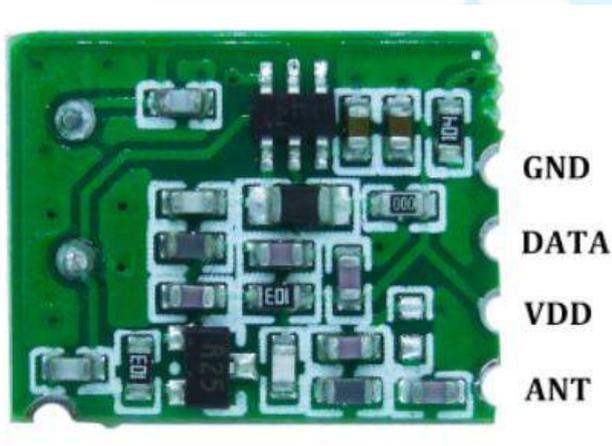
2. FEATURES:

- 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°C ~ 85°C upon requests);
- Frequency tolerance: ± 50 KHz;
- Bit rate: <3kbps;
- The range can be up to 500m when matching with CY11.

3. APPLICATION:

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

4. PIN DEFINITION:

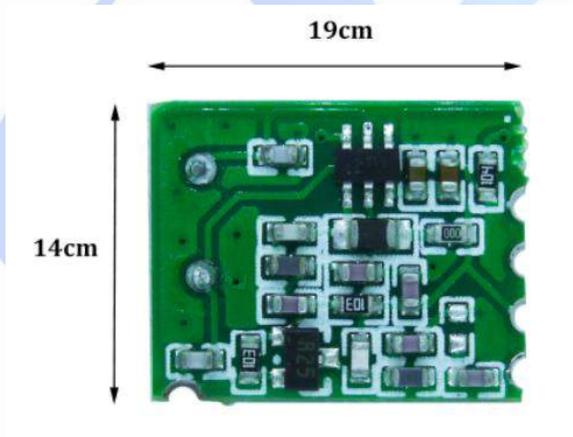


Pin	Name	Function
1	GND	Ground
2	DATA	Data connected to MCU
3	VDD	Positive Power Supply
4	ANT	Antenna In

5. ELECTRICAL CHARACTERISTICS:

Condition : Ta=25°C

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				2.4K		Hz
Frequency Tolerate	Fc			±50K		Hz
Current	IRC		18		26	mA
Working Voltage	VCC		1.8	3.0	3.6	V
Working Temperature	TC		-20		+70	°C

6. MECHANICAL SIZE: (unit: mm)

Figure1 CYT8S Dimension



7. CAUTION

---Transmitting time: <10s (less than 10 seconds for each emission).

---Power off when CYT8S 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.

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

CY WIRELESS TECHNOLOGY LIMITED

Add:1407, Block C, Tairan Building, 8th Tairan Road, Futian District,

Shenzhen, Guangdong Province, China

Website: www.rficy.com

Email: info@rficy.com