



Type: ASK/OOK Super-Heterodyne Transmitter Module

Model: CYT2-XXX

Description:

CYT2 ASK/FSK wireless transmitter module gets excellent performance with ISM frequency band. With the adoption of branded industrial RF wireless data transmission chipsets, it has the advantages at strong transmission power, low voltage and easy to pass FCC/CE certificates. It can do wireless signal input to the data signal output without any external circuit. Users only need to decode the data plus a simple circuit and then any wireless products development can be easily achieved.



Order Information:

Model NO.	Frequency
CYT2-315	315 MHz
CYT2-433.92	433.92 MHz

Features:

- Frequency: 240 MHz – 960 MHz (ASK/FSK);
- High output power: +14dBm;
- Low operation voltage: VCC = 1.8 to 3.6V;
- Low standby current:<20nA; 50% duty ratio transmitting current: 18.5mA;
- Freq deviation: ±30KHz;
- FSK Deviation: ±35KHz;
- Circuit shape: PLL(10PPM), stable working frequency;
- Temperature Range: -20°C ~ 70°C;
- Dimension: 16*16*2.4mm

Application

- Car remote control door switch (RKE);
- Remote door opening machine and gate;
- Electromechanical control of strong interference;
- Remote control curtain machine;
- Wireless industrial controller;
- Wireless data transmission;

Pin Description

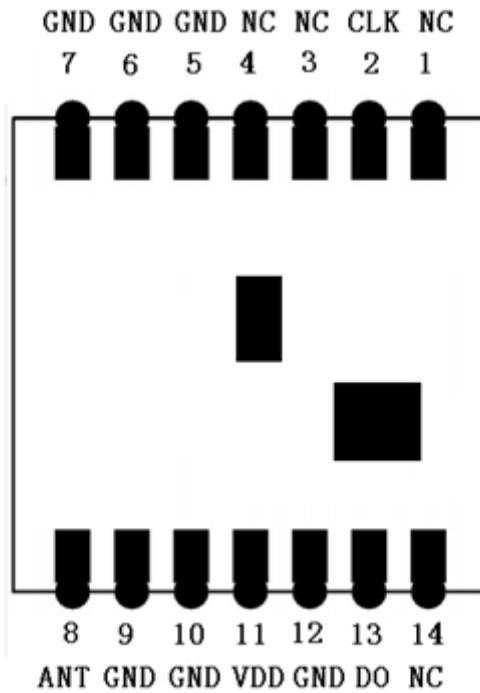


Figure1 CYT2 Shape & Pins

Pin	Pin Name	Pin Definition
1.3.4.14	NC	Not connect
2	CLK	Empty (only for interior collocation)
5.6.7.9.10.12	GND	Ground
8	ANT	Antenna Input



11	VDD	Connect to positive power supply
13	DO	Data Output

Electrical Characteristics:

Condition: Ta=25°C Vcc=1.8V-3.6V VDD-GDN

Characteristics	Value			Unit	Condition
	Min.	Typ.	Max.		
Frequency	240		960	MHz	
Modulation Mode	ASK/FSK				
Output power		14		dBm	3.6V/50Ω
Data Rate	0.5	2.4	30	Kbps	
Working Voltage	1.8		3.6	V	
Supply Current		18.5		mA	
Frequency Deviation		±30		KHz	
Working Temperature	-20		+70		

Mechanical Size: (Unit: MM)

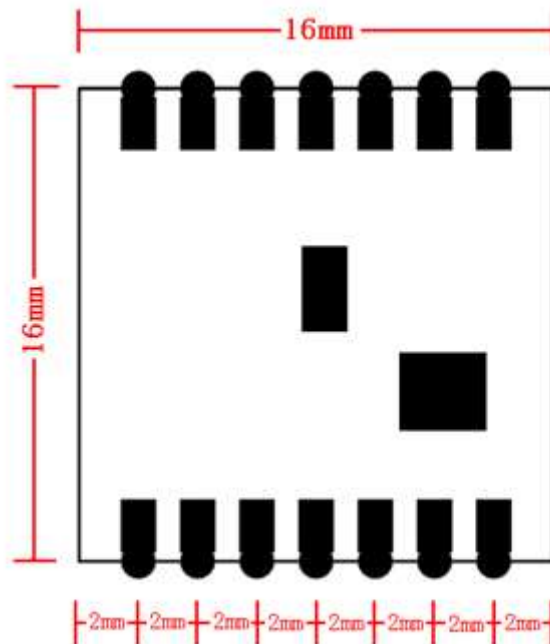


Figure2 CYT2 Dimension



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

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