

Type: ASK/OOK Transmitter Module
Model: CYT14

1. DESCRIPTION:

CYT14 ASK wireless transmitting module is using the surface acoustic resonator and high power RF circuit. This circuit will have current consumption only if you press the button which means there is no electricity consumption at ordinary times. It is simple to use. CYT14 can cooperate with the commonly used ASK super-regenerative receiver circuit or super heterodyne receiver circuit. CYT14 is with high frequency stability. The data port can direct access to the data signals of the single chip microcomputer or wireless encoding chip and it can easily achieve the function from data to the wireless signal emission.



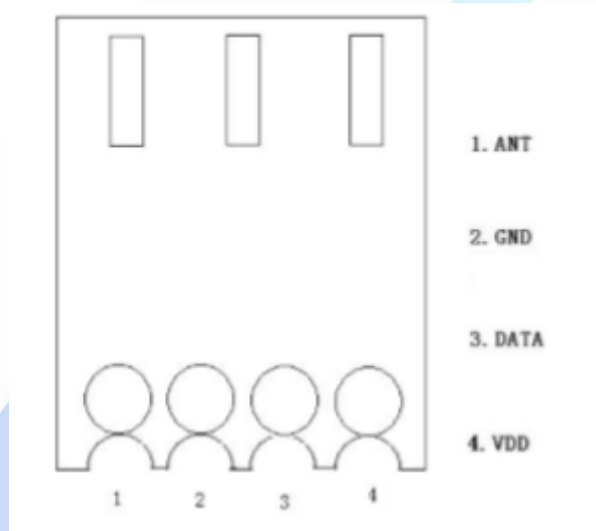
2. FEATURES:

- High output power, when using with CY11, it can reach 500 meters in open area.
- Transmitting Power > 0.5W.
- Operating Voltage: 2.6V – 12V
- Operating Frequency: 315MHz/433MHz (custom frequency is available)
- Modulation: ASK/OOK
- Using SAW frequency stabilization (+-75Khz), working frequency is stable.
- There is no current consumption when there is no data transmitting. The current consumption with low emission is 10mA.
- Shape Size: 13×18.6×3mm
- Operating Temperature: -20°C~+70°C
- Input Signal: TTL level
- Date rate: 3Kbps/S

3. APPLICATION:

- RKE – remote keyless entry
- Gate/Access Control
- Wireless alarm
- Remote Shutter/Curtain
- Home automation system
- Security and alarm systems
- Wireless Industry Control

4. PIN DEFINITION:



Pin	Pin Name	Pin Function
1	ANT	Antenna input
2	GND	Ground
3	DATA	Data connected to MCU
4	VDD	Connect positive power supply

5. ELECTRICAL CHARACTERISTICS:

Condition: VDD-GND 2.6V-12V Temperature = 25 °C

Characteristics	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Frequency	Fc		315		433.92	MHz
Modulation Mode			ASK			
Output power		5V/50Ω		10		dBm
Data-rate				2.4		Kbps
Frequency Tolerate	Fc			±75		kHz
Current	IRC				10	mA
Working Voltage	VCC		2.6		12	V
Working Temperature	TC		-20		+70	°C

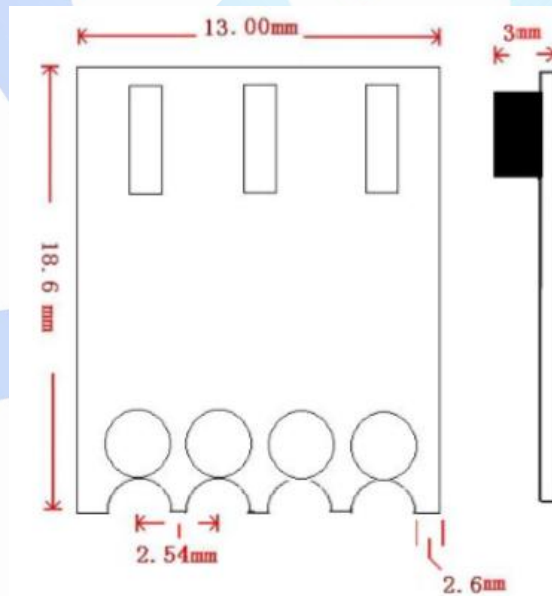
6. MECHANICAL SIZE: (unit: mm)


Figure 2 CYT14 Dimension



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

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