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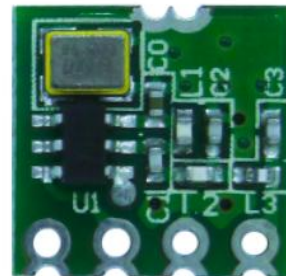
**Type: ASK/FSK Super-Heterodyne Transmitter Module**

**Model: CYT29**

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### Description:

CYT29 ASK/OOK/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.     | Freq.    | Modulation |
|---------------|----------|------------|
| CYT29-315-ASK | 315M     | ASK        |
| CYT29-433-FSK | 433.92M  | FSK        |
| CYT29-868-ASK | 868.325M | ASK        |
| CYT29-915-FSK | 915M     | FSK        |

### Features:

- Frequency: 240 MHz – 960 MHz (ASK/FSK);
- High output power: +14dBm;
- Low operation voltage: VCC = 1.8 to 3.6V;
- Static current: <20nA; 50% duty ratio transmitting current: 18.5mA;



- Freq deviation:  $\pm 30\text{KHz}$ ;
- FSK deviation:  $\pm 35\text{K}$
- Circuit shape: PLL (10PPM), stable working frequency;
- Temperature Range:  $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$
- The range can be up to 500m in the open space when matching with CY68
- Dimension:  $10.6 \times 10.4 \times 2.1\text{mm}$

### Application

- Remote Gate Controls, brake
- Remote Keyless Entry
- Mechanical and electrical control of strong interference;
- Wireless Industrial Remote Control
- Wireless Data Transmission
- Remote Control Curtain

### Pin Description

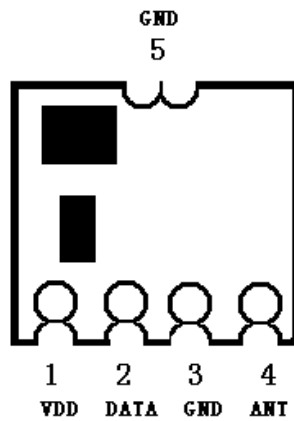


Figure1 CYT29 Shape & Pins

| Pin Name | Pin Definition                   |
|----------|----------------------------------|
| VDD      | Connect to positive power supply |
| DATA     | Data input                       |
| GND      | Ground                           |



|            |               |
|------------|---------------|
| <b>ANT</b> | Antenna input |
| <b>GND</b> | Ground        |

## 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/OOK/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  | °C   |           |

## Mechanical Size: (Unit: MM)

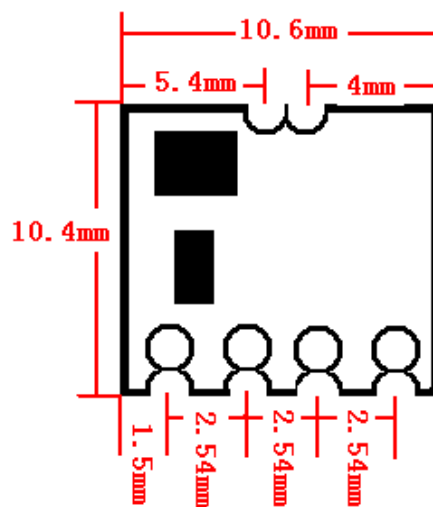


Figure2 CYT29 Dimension



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

CY WIRELESS TECHNOLOGY LIMITED

Add: 2705, Modern International Building, Jintian Road, Futian District,

Shenzhen, Guangdong Province, China

Website: [www.rficy.com](http://www.rficy.com)

Email: [info@rficy.com](mailto:info@rficy.com)