



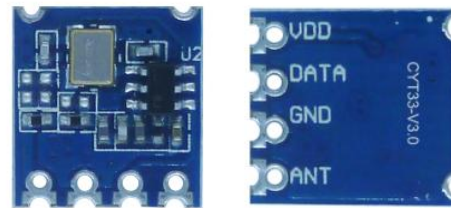
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**Type: ASK Super-Heterodyne Transmitter Module****Model: CYT33-V3.0**

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**Description:**

CYT33-V3.0 ASK 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  | Modulation |
|----------------|------------|------------|
| CYT33-V3.0-433 | 433.92 MHz | ASK        |

**Features:**

- High output power: +14dBm
- Low operation voltage: VCC = 2.0 to 3.6V
- Frequency: 433.92 MHz; (Customized frequency is available)
- Circuit shape: PLL (+-50KHZ), stable working frequency
- The range can be up to 300m in the open space when matching with CY11
- Low static power consumption, current consumption when transmission: 12.5mA (433.92MHZ), data pin low level current consumption: <2uA
- Temperature Range: -20℃~+70℃
- Dimension: 10.7 x 11.3 x 1.8mm
- Freq deviation: ±50 KHZ

## Application

- Remote Keyless Entry (RKE)
- Remote Gate Controls, Brake
- Wireless Security Systems
- Wireless Control Curtain device
- Wireless Industrial Control
- Wireless Data Transmission

## Pin Description

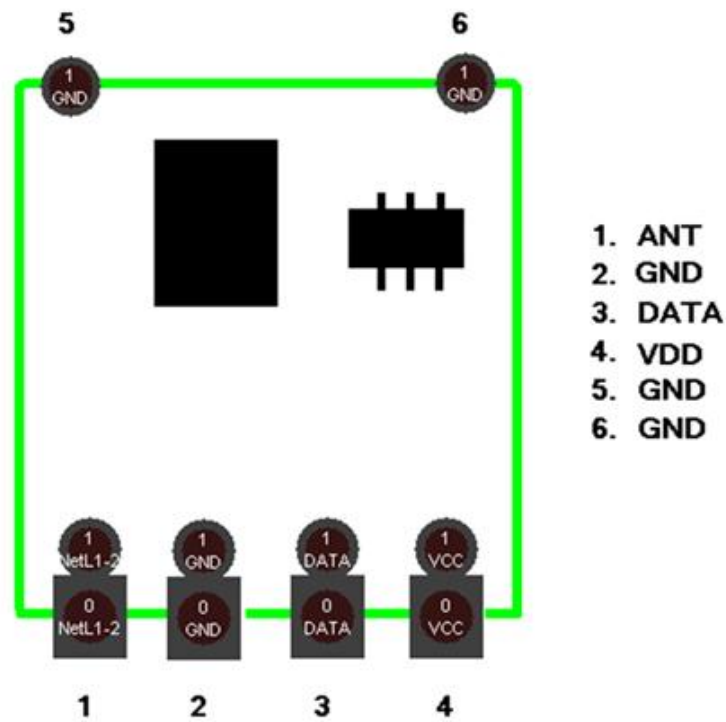


Figure1 CYT33-V3.0 Shape & Pins

Pin-out as showed in figure 1 above

| Pin Number | Pin Name | Pin Definition |
|------------|----------|----------------|
| 1          | ANT      | Antenna input  |
| 2          | GND      | Ground         |



CYT33-V3.2

|   |      |                       |
|---|------|-----------------------|
| 3 | DATA | Data input            |
| 4 | VDD  | Positive power supply |
| 5 | GND  | Ground                |
| 6 | GND  | Ground                |

### Electrical Characteristics:

VDD-GDN 2.2V-3.6V Ta-25°C

| Parameter           | Symbol | Condition | Value |        |      | Unit |
|---------------------|--------|-----------|-------|--------|------|------|
|                     |        |           | Min.  | Typ.   | Max. |      |
| Frequency           | Fc     |           |       | 433.92 |      | MHz  |
| Modulation          |        |           | ASK   |        |      |      |
| Output Power        |        | 3.6V/50Ω  |       | 14     |      | dBm  |
| Data Rate           |        |           |       | 2.4    | 9.6  | Kbps |
| Supply Current      | IRC    |           |       | 12.5   |      | mA   |
| Working Voltage     | VCC    |           | 2.2   | 3.3    | 3.6  | V    |
| Working Temperature | TC     |           | -20   |        | +70  | °C   |



**Mechanical Size: (Unit: MM)**

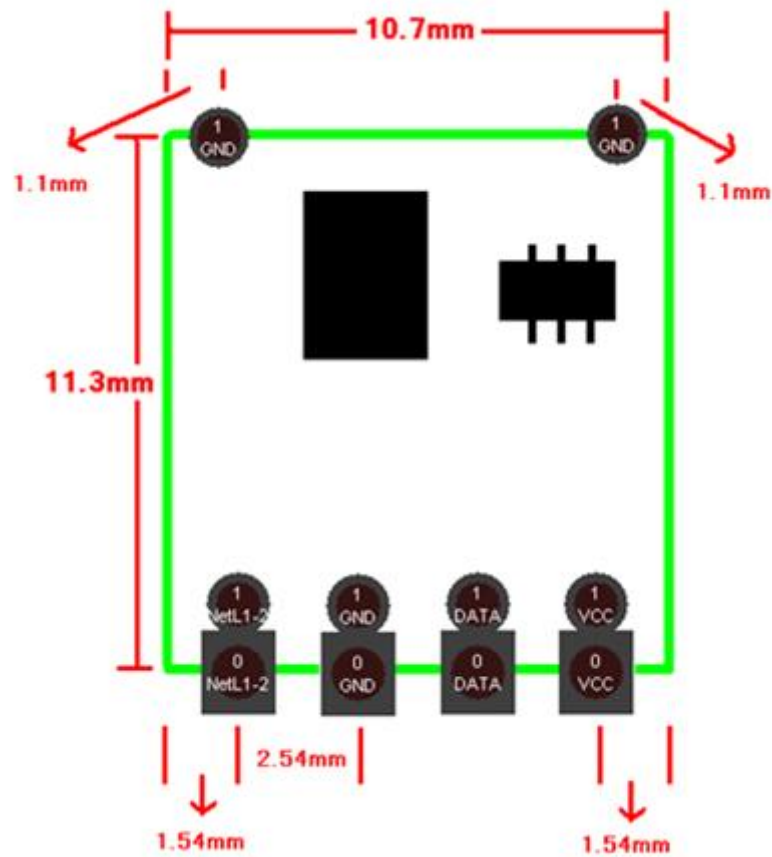


Figure2 CYT33-V3.0 Dimension

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

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