



Data Sheet

CYT33-V2.0

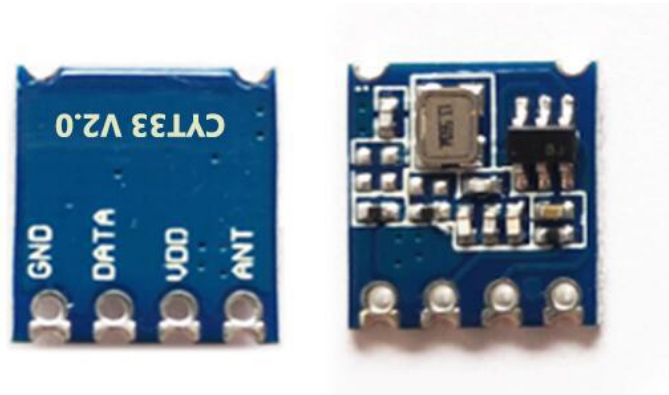
ASK Wireless Transmitter Module

Version 1.0

CY Wireless Technology Limited

1. DESCRIPTION:

CYT33-V2.0 ASK wireless transmitter module gets excellent performance with ISM frequency band. With the adoption of European 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.



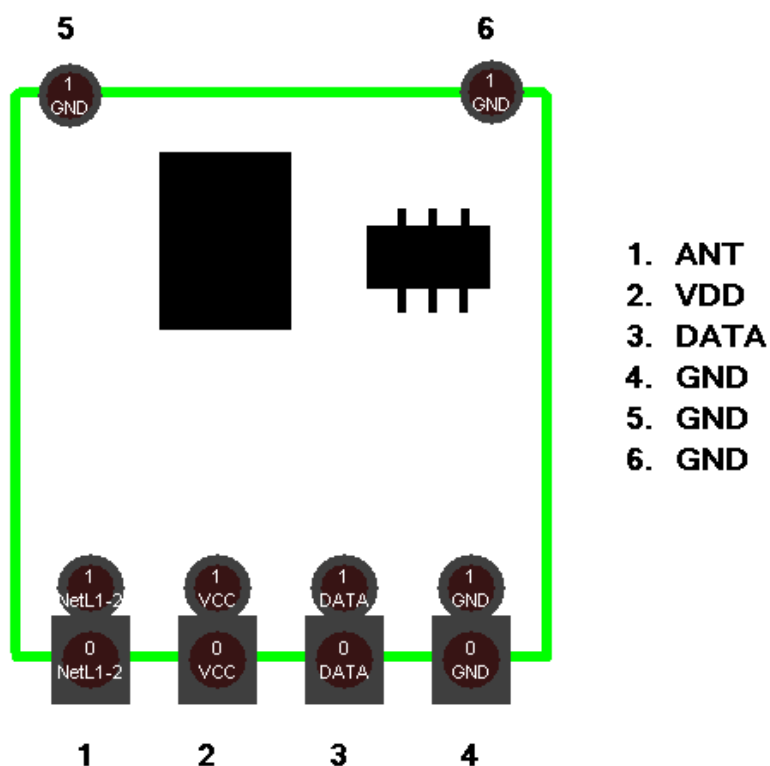
2. FEATURES:

- (1) High output power: +14dBm
- (2) Low operation voltage: VCC = 2.0 to 3.6V
- (3) Frequency: 433.92 MHz (Customized frequency is available)
- (4) Circuit shape: PLL, stable working frequency
- (5) The range can be up to 300m in the open space when matching with CY11
- (6) Low static power consumption, current consumption when transmission: 12.5mA (433.92MHZ).
There is little current consumption without data transmission: <2uA
- (7) Temperature Range: -20℃~+70℃
- (8) Dimension: 10.7 x 11.3 x 1.8mm
- (9) Modulation rate: <9.6KB/S

3. APPLICATION:

- (1) Remote Keyless Entry (RKE)
- (2) Remote Gate Controls, Brake
- (3) Wireless Security Systems
- (4) Wireless Control Curtain device
- (5) Wireless Industrial Control
- (6) Wireless Data Transmission

4. PIN DEFINITION:



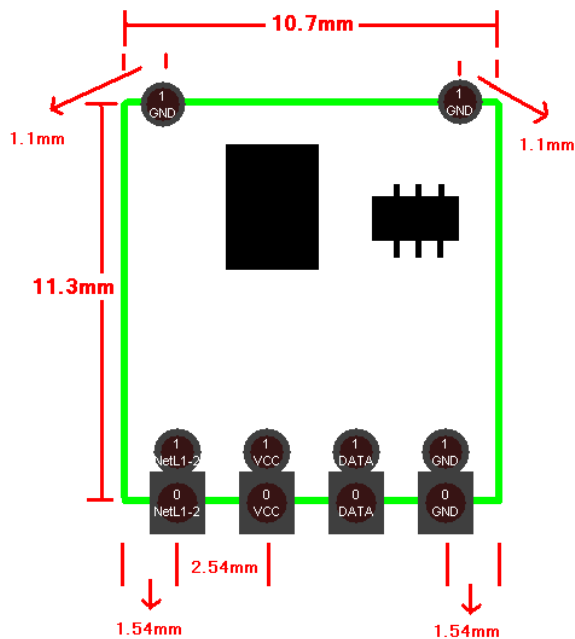
Pin Number	Pin Name	Pin Definition
1	ANT	Antenna input
2	VDD	Connect to positive power supply
3	DATA	Data input (when not in operation, DATA must be at low level, otherwise there will be current consumption)
4	GND	Ground
5	GND	Ground
6	GND	Ground

5. ELECTRICAL CHARACTERISTICS:

VDD-GDN 2.0V-3.6V Ta-25°C

Parameter	Symbol	Condition	Value			Unit
			Min.	Typ.	Max.	
Frequency	Fc			433.92		MHz
Modulation Mode			ASK			
Output power		3.6V/50Ω		14dBm		dBm
modulation frequency				2.4K		Hz
Supply Current	IRC			12.5		mA
Working Voltage	VCC		2.0	3.3	3.6	V
Working Temperature	TC		-20		+70	°C

6. MECHANICAL SIZE: (unit: mm)



PCB DIMENSION HAS A TOLERANCE OF +-3%



7. ORDER INFORMATION:

CYT33-V2.0-433.92M

CYT33-V2.0 - Part number;

433.92M.- Frequency;

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

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