



**DESCRIPTION**

The CYT3 has these advantages of small size, low operating voltage range (down to 1.8V), high transmitting power, low power consumption, and stable operating function, which adopting the SMD technique, the advanced crystal based (PLL) on frequency stabilization techniques.

**FEATURES**

- Frequency: 315MHz/433.92MHz (custom frequency is available);
- High output power: +10dBm;
- Low operation voltage: VCC= 1.8 to 3.6 V;
- Low power consumption: Icc=8mA (FM mode, Vcc=3.0V@433.92MHz);
- Low standby current: <1uA;
- Easy for application;
- Fast start time: <1ms;
- Freq deviation: ±30KHz;
- Small size;
- Circuit shape: PLL;
- Temperature Range: -20~70°C (It can custom to -40~105°C upon requests)
- The range can be up to 500m when matching with CY68.

**MECHANICAL DIMENSION**

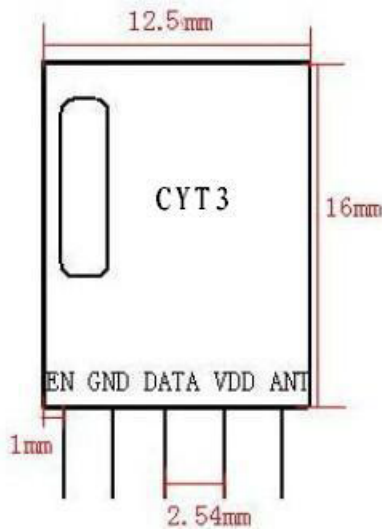


Figure 1 CYT3 Dimension



**APPLICATION**

- Remote gate controls
- Remote keyless entry
- Car alarm systems
- Wireless security systems
- Automation systems
- Remote control systems

**PIN DEFINITION**

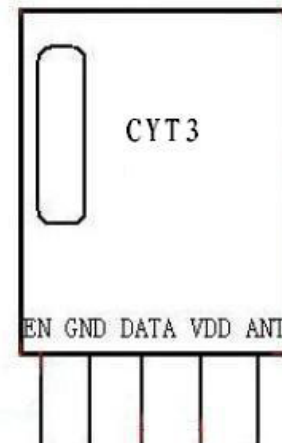


Figure 2 CYT3 Shape & Pins

Pin-out as showed in figure 1

Pin	Name	Pin Definition
1	EN	Enable ("1" for work, "0" for sleep)
2	GND	Ground
3	DATA	Data In
4	VDD	Positive Supply Power
5	ANT	Antenna Out

**Please Note:**

CYT3 is come with standard 5 Vertical PINs as the picture showed above (without the ANT pin). Please notify us if you would like horizontal pin.

ELECTRICAL CHARACTERISTICS						
Parameters	Symbol	Condition	Reference Value			Unit
			Min	Typ	Max.	
Carrier Frequency	Fc		300	433.92	450	MHz
Supply Voltage	Vcc		1.8	3.0	3.6	V
Supply current	Is	FSK or ASK "mark"		8.6		mA
Modulation Mode			FSK			
Output power		600bps(Manchester), dev=±40kHz		+10		dBm
Frequency Deviation	Fdev			±40kHz		
Standby Current	Iq			1		µA
Datarate		FSK			30	kbps
		ASK			100	kbps
Turn on time from sleep	Ton				1	ms