

## HM-T SERIES FSK TX MODULE

## **GENERAL**

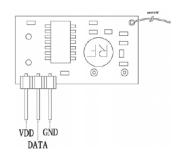
HM-T series FSK transmission module is specially designed by Hope Microelectronics Co. for replacing those applications that used ASK technology module already. It used together with HM-R series FSK receiver module. Due to the benefits from FSK technology, the module is robust to interference, and longer working distance can be achieved.

#### **FEATURES**

- 1. HIGHLY INTEGRATED, SMALL SIZE
- 2. HIGH SENSITIVITY, LOW POWER CONSUMPTION
- 3. FSK TECHNOLOGY, SUITABLE FOR REPLACING ASK MODULES
- 4. LESS INTERFRENCE, LONGER WORKING DISTANCE
- 5. CAN BE USED TO REPLACE ASK MODULE W/O THE NEED OF SOFTWARE CHANGE
- 6. NO TUNING REQUIRED DURING PRODUCTION

#### MECHANICAL AND PIN DEFINITION

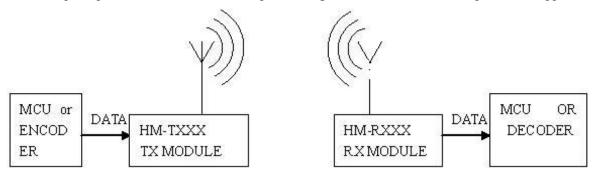




IF DATA pin is idle for more than 70mS, then the module will enter standby mode automatically.

## **APPLICATION**

Pin to pin replace the old ASK module. Special design can be made for more sophisticated applications.



## **PARAMETER**

## 1. DC Characteristic

	min	typical	Max	unit
voltage	2.5	3	5	V
temperature	-35		80	$^{\circ}\!\mathbb{C}$
Data rate	600	4800	9600	bps

note: data rate can be defined by customer from 300bps~100kbps

Tel: +86-755-82973805 Fax: +86-755-82973550 E-mail: <a href="mailto:sales@hoperf.com">sales@hoperf.com</a> <a href="http://www.hoperf.com">http://www.hoperf.com</a> Update:3/16/2011



## 2. RF Characteristic

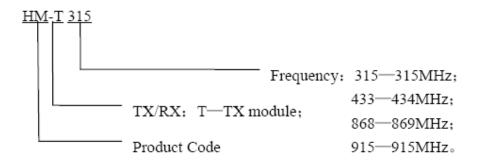
VDD=3.0V T=25°C

Model	HM-T433	HM-T868	HM-T915	Unit
Frequency	434	869	915	MHz
Typical output power	6	4	4	dBm
TX current	30	31	31	mA

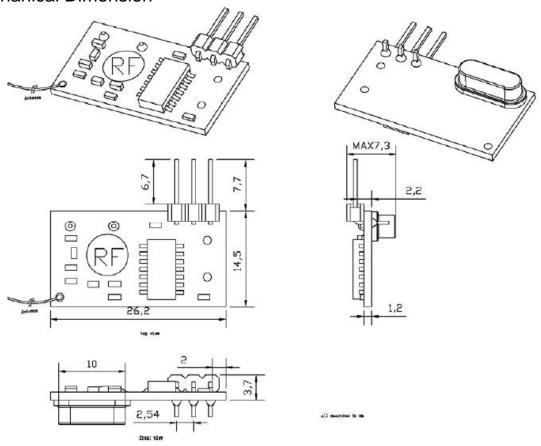
note: 1. testing area: 1.open space; 2.antenna is above the ground for 2 meters;

2. if 5Vpower supplied, even longer distance is possible, however more power consumption will be introduced accordingly.

# Naming Rules



# **Mechanical Dimension**





#### HOPE MICROELECTRONICS CO.,LTD

Add:4/F, Block B3, East Industrial Area, Huaqiaocheng, Shenzhen, Guangdong, China

Tel: 86-755-82973805

Fax: 86-755-82973550

Email: sales@hoperf.com
trade@hoperf.com

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