

C-8201(FCC) TECHNICAL DESCRIPTION

A. CIRCUIT OPERATION

1. Temperature sensor and humidity sensor.
Provide temperature data for MCU
2. MCU
The micro controller unit (MCU) are encoding and manipulating temperature data.
3. SAW Resonator
Stable RF transmitter Oscillator frequency.
4. RF narrowband modulation .
Convert MCU encoded data to RF OOK modulated signals.
5. LED
Transmit indicator.
6. 433.9MHz band-pass filter
433.9MHz frequency band-pass only.

B. COMPONENT DESCRIPTION

CATEGORY	COMPONENT	NAME	DESCRIPTION
Resonator	433.92MHz	SAW Resonator	Stable RF transmitter Oscillator frequency.
Transistor	H2D	RF Transistor	433.9MHz Modulator
Transistor	H2D	RF Transistor	Out put buffer.
Band-pass filter	1UH, 3.5T spring coil ,20pf,6pf,22pf	433.9MHz Band-pass filter	433.9MHz Band-pass filter only
Transistor	2SC1623	M6, L6	Low battery detect
MCU	TM8722-A65	Micro controller unit	Encoding and manipulating temperature data
Crystal	32.768KHz	3*8 Quartz	Stable MCU master clock
Sensor	CL-HQMBR	Humidity sensor	Provide Humidity data for MCU
Sensor	103FS3435F01	Temperature sensor	Provide temperature data for MCU
Trimmer	Trimmer	Trimmer	Calibration output power
LED	LED	LED	Transmit indicator

CHUNG'S ELECTRONIC CO.,LTD	
Name	TECHNICAL DESCRIPTION
Model	C8201(FCC)
File No	TX8201
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