

C-846 TECHNICAL DESCRIPTION

A. CIRCUIT OPERATION

1. Temperature sensor

Provide temperature data for MCU

2. Humidity sensor

Provide humidity data for MCU.

3. MCU

The micro controller unit (MCU) are encoding and manipulating temperature data.

4. SAW Resonator

Stable RF transmitter Oscillator frequency.

5. RF transmitter

Convert MCU encoded data to RF OOK modulated signals.

B. COMPONENT DESCRIPTION

CATEGORY	NUMBER	NAME	DESCRIPTION
Resonator	433.92MHz	SAW Resonator	Stable RF transmitter Oscillator frequency.
Transistor	H2D (Q1)	RF Transistor	433MHz modulator
Transistor	H2D (Q2)	RF Transistor	433.92MHz amplifier
Transistor	2SC1623	L6	Low battery detect
MCU	MSM64162A	Micro controller unit	Encoding and manipulating temperature data
Crystal	32KHz	3*8 Quartz	Stable MCU master clock
Sensor	HS-12P	Humidity sensor	Provide Humidity data for MCU
Sensor	103AT	Temperature sensor	Provide temperature data for MCU

CHUNG' S ELECTRONIC CO.,LTD	
Name	TECHNICAL DESCRIPTION
Model	C846
File No	RF846-T
Date	18/3/05