

## JMT200 200W电子烟模块 简介

### 概述

江苏宏云技术有限公司的JMT200是一款1~200瓦可变功率，实现调压，调功率，温控等控制模式的电子烟控制模块。JMT200是由江苏宏云的JMT1808 MCU单芯片实现，互补PWM驱动实现电子烟所需要的BUCK、BOOST DC-DC转换，并实现三节锂电池的平衡充电管理。JMT1808是一款高性能，低功耗MCU，内置闪存，SRAM，模拟比较器，ADC和2个可编程放大器，工作频率为73MHz。

### 规范

Items	Min	Typical	Max
Output Power	1W		200W
Output Voltage	1V		9V
Output Current			55A
Atomizer Resistance	.08 Ohm	1 Ohm	3 Ohm
Temperature Limit	200 °F	450 °F	600 °F
Input Voltage	9.0	11.1 V	12.6 V
Input Current	1A	9A	23.0 A
Screen On Current		20mA	
Quiescent Current		1mA	
Power Down Current		20uA	30uA
Efficiency		95%	
Micro USB Charging Port	Yes		
Battery Cell Monitoring	Yes		
Integrated Balance Charger	Yes		
PCBA size		18 mm x 71 mm	
Screen size		.91" OLED	
Software UI update	YES (JMT UI interface)		
BT Interface	Yes(I2C,UART,SPI)		
Temperature Overhead Protection	Yes		
Output Short Protection	Yes		
Low Resistance Protection	Yes		
Battery Low Voltage Protection	Yes		
Battery Over Voltage Protection	Yes		
Battery Over Current Protection	Yes		
Battery Cell Balance Protection	Yes		
Fuse Protection	On board 25 A SMT fuse		

## JMT200 电子烟模块PCB

江苏宏云的JMT200电子烟温控模块支持最大200W的功率，下图是JMT200模块的PCBA。

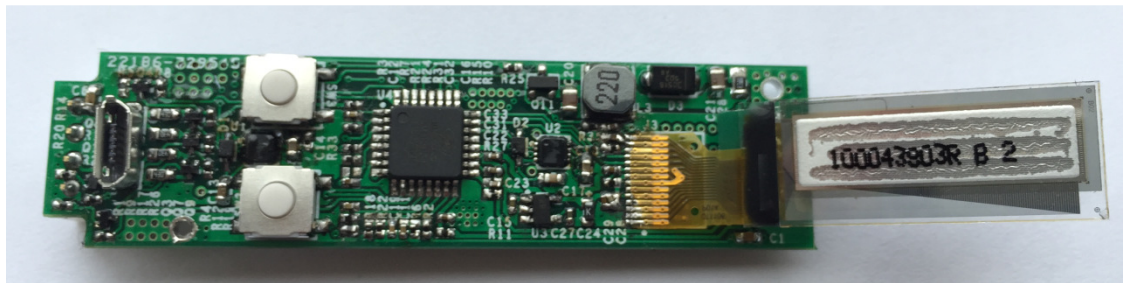


Fig.1 JMT200 PCBA (正面)

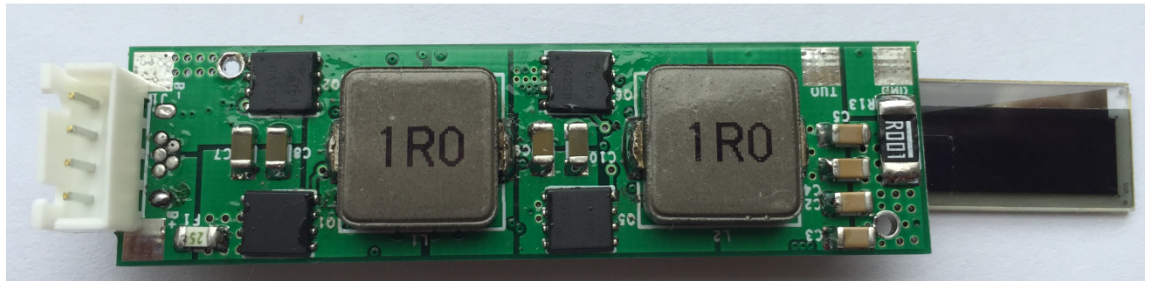


Fig.2 JMT200 PCBA (反面)