

# JMT200 Watt Variable Power Module for E-Cigarettes

## SUMMARY

### Description

The Jiangsu Macrocloud Tech. (JMT)'s JMT200 is a power regulated digital switch-mode BUCK/BOOST DC-DC converter for Electronic Cigarettes. JMT200 is a single chip solution based on JMT's MCU chip, JMT1808 with Integrated Programmable Gain Amplifiers (PGA).

### Specifications

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	Onboard 25 A SMT fuse		

## JMT200 Power Module PCB

The Jiangsu Macrocloud Tech. (JMT)'s JMT200 module support Max. of 200 Watts of Power for E-Cigarettes.

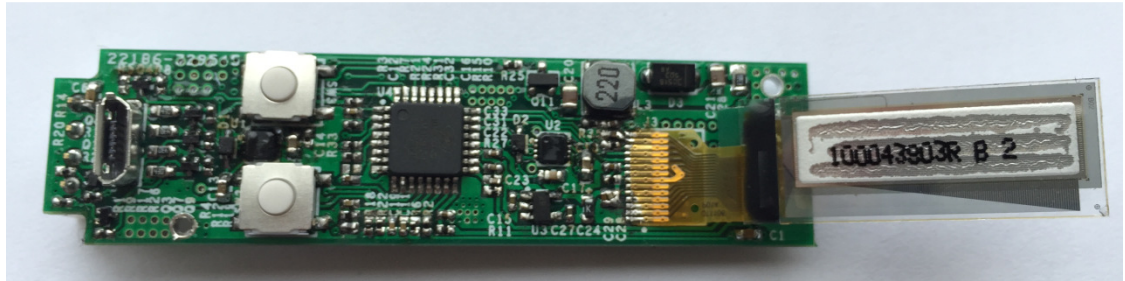


Fig.1 JMT200 PCBA (front side)

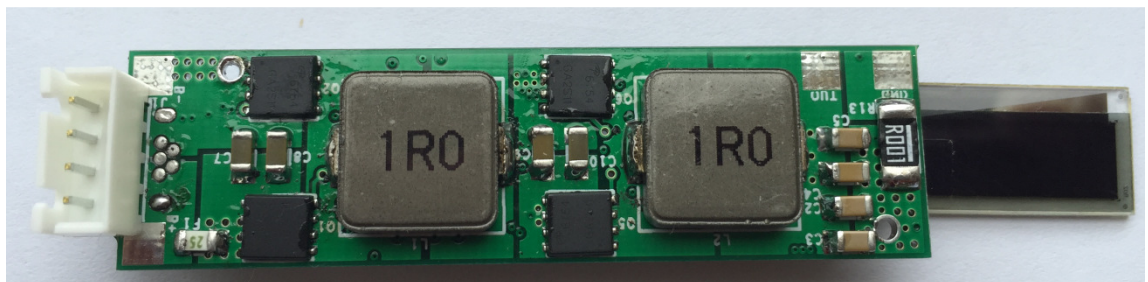


Fig.2 JMT200 PCBA (back side)