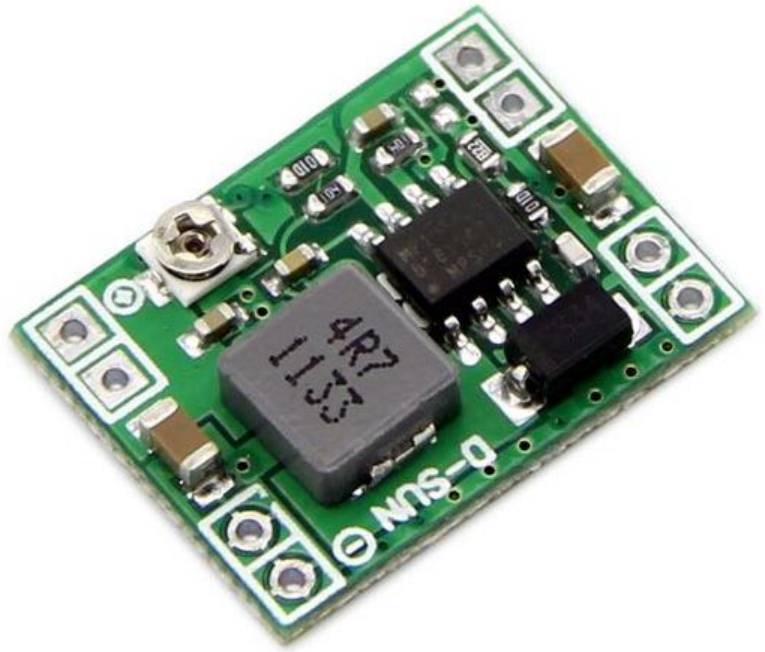


Adjustable Step-Down DC&DC Converter (0.8V - 18V&3A)



SKU 106990005

This DC/DC step-down voltage converter is based on MP1584, it converts input voltage between 4

PRODUCT DETAILS

This DC/DC step-down voltage converter is based on MP1584, it converts input voltage between 4.5V and 28V into a smaller voltage between 0.8V and 18V, capable of driving a 3A load with excellent line and load regulation.

Note: Input must be > 1.5V higher than output! The chip will jumper to high temperature protection mode when it work at a high-power conversion, without any cooling, it is able to output 3A current at 5V. But at higher output voltage, the current output capacity is lower than 3A, the minimum is 2A.

Feature :

- Wide 4.5V to 28V Operating Input Range
- Up to 92% Efficiency
- Programmable Switching Frequency from 100kHz to 1.5MHz
- High-Efficiency Pulse Skipping Mode for Ceramic Capacitor Stable
- Internally Set Current Limit without a Current Sensing Resistor
- Cycle-by-Cycle Over Current Protection
- Input Under Voltage Lockout

Specification :

- Input Voltage: 4.5V-28VDC
- Output Voltage: 0.8V-18VDC
- Continuous Output Current: Max. 3A
- Peak Output Current: 4A
- Max. Efficiency: 92%
- Output Ripple: <30mV
- Switching Frequency: 100kHz to 1.5MHz
- Operating Temperature: -40°C to +85°C
- Dimensions: 22mm*17mm*4mm(l*w*h)

Documents :

- [MP1584 Datasheet](#)

Technical details

Dimensions	50mm x80mm x4mm
Weight	G.W 3g
Battery	Exclude

ECCN/HTS

HSCODE	8504901900
USHSCODE	8504902000
UPC	841454112273

