

MP1584EN Mini DC-DC Step Down Module



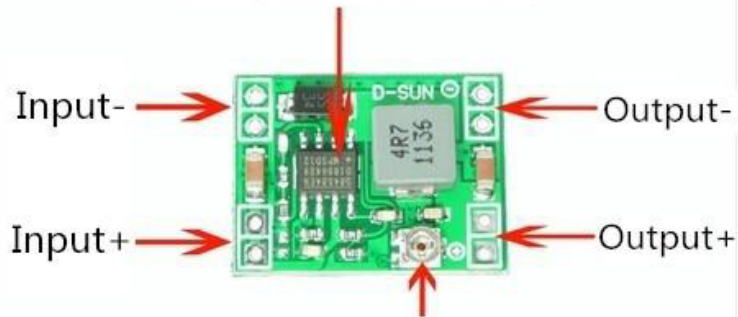
Overview

This DC-DC step down module is based on the MP1584EN chip, which is capable of driving a 3 A load and converts input voltages between 4.5 V to 28 V into a lower voltage between 0.8 V to 20 V. This is suitable for applications which need a highly efficient power converter.

Specifications

- Input Voltage: 4.5 V to 28 V
- Output Voltage: 0.8 V to 20 V (adjustable)
- Output Current: 3 A (max)
- Efficiency: 96% (max)
- Switching Frequency: 1.5 MHz (highest), typically 1 MHz
- Output Ripple: < 30 mV
- Operating Temperature: -45 °C to 85 °C
- Size: 22 x 17 x 4 mm

Intelligent Buck Chip



Adjustable Potentiometer

(Clockwise buck, Counterclockwise boost)

