

VOLTAGE BOOSTER

5~15V ADJ

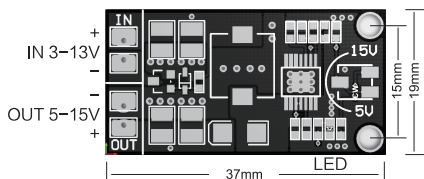
SKU: VB5-15

It is a high-efficiency, adjustable boost (step-up) voltage regulators generate high output voltages from input voltages as low as 3V. The available output current is a function of the input voltage, output voltage, and efficiency (see the Typical Efficiency and Output Current table & curve below), but the input current can typically be as high as 5 A.

Specifications

- Input voltage: 3 V - V_{out} (Max. 15V)
- Adjustable output: 5 V - 15 V
- Output current: According to the table & curve. Max.3A
- 5 A switch allows for input currents up to 5 A
- Standby current: <10mA
- Integrated reverse-voltage protection, over-current protection, over-temperature shutoff, and under-voltage lockout
- Typical efficiency of 80% to 95%
- Size & Weight: 37× 19 × 4 mm, 3.5g
- Two mounting holes for M2 screws

Layout



Efficiency & Load

Input Voltage	Output Voltage	Constant Load	Max. Load
3.3V	5V	1.5A	2A
4V	5V	2A	2.6A
5V	9V	1.5A	2A
7.2V	9V	2A	3A
3.3V	12V	0.5A	0.7A
5V	12V	1A	1.4A
7.2V	12V	2A	2.6A
9V	12V	2.5A	3A
3.3V	15V	0.3A	0.4A
5V	15V	0.8A	1A
9V	15V	1.8A	2.2A
12V	15V	2.5A	3A

