

## **RB-See-383**

### **Adjustable DC-DC Power Converter 1-12V**



This is a DC/DC step-down voltage regulator that converts input voltage between 4.5V and 16V into a smaller voltage between 1V and 12V, capable of driving a 1.5A load with excellent line and load regulation.

In some projects, you might need different voltages (1-12V) for your devices. Without this kind of DC power source, you'll find it time-consuming to buy a new one. The delay of project is so annoying. No worries! This module can accelerate prototyping, because you can get the voltage you need (such as 1.2V, 1.8V, 3.3V, 5V and 9V) as easy as blinking eyes.

#### **Features**

- Wide output voltage range
- Ensured 1.5A output load current
- Input voltage range up to 16V
- Excellent line and load regulation
- Low power standby mode
- Precise potentiometer for voltage adjustment
- Thermal shutdown and over-current protection

#### **Specifications**

- Input voltage: 4.5-16V
- Output voltage: 1V - 12VDC
- Heating consumption: 0.5-1200mW
- Load resistance: can adjust
- Maximum output current: 1.5A
- Output ripple:  $\leq 100\text{mV}$
- Switching frequency: 500KHz
- Operating temperature:  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$
- Dimensions: 36mm\*30mm\*10mm(l\*w\*h)