

## INTRODUCTION

This 40W high power DC-DC Buck converter offers a 6~14V input voltage range and up to 5V/8A output. Featuring a small body, high conversion ratio, strong heat dissipation, and large current output, the module is compatible with all 5V main-boards, and can work as an SMD element to be directly soldered onto PCB. With steady output, this buck converter is able to work for a long time without voltage shift, which can be suitable for projects of high requirements like smart homes, small robot car power sources, etc.

## FEATURES

Small in size

40W high power output

Over 96% conversion ratio

Can be used as SMD component

### SPECIFICATION

Input Voltage Range: 6V-14V

Output Voltage: 5V

Output Current: 0-8A

Voltage Accuracy:  $\pm 1\%$

Full-load Output Ripple:  $< 30\text{mV}$

Conversion Ratio:  $> 96\%$  (12V input, full-load output)

Static Current:  $< 200\mu\text{A}$

Operating Temperature:  $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$

## SHIPPING LIST

- DC-DC Buck Converter 6~14V to 5V/8A x1