

Packing list

1 pcs USB Auto buck-boost Voltage regulator (input DC 1-6.2V , output DC 5V+/-6%)

Description:

Input voltage DC 1 ~ 6V, output DC 5V(+/-6%)

The maximum input voltage can not exceed 6.5V

Short-term maximum output current : 12000mA

Long time maximum output current: 1000mA

Auto Buck-Boost Converter Module working frequency 1MHZ. efficiency 60%-85% .

Operating temperature range : -25~+85 Degrees Celsius

Storage temperature range : -45~+125 Degrees Celsius

Size : 47mm x 16mm x 13.7mm

Weight : 6.4g

Under different conditions, there are differences in the test results

Input voltage	Input Current	Output voltage	Output Current
.2V	0.14A	5.04V	0.02A
1.5V	1A	5.07V	0.15A
1.8V	1.26A	5.07V	0.29A
2V	1.22A	5.07V	0.35A
2.5V	1.22A	5.07V	0.48A
2.8V	1.23A	5.05 V	0.55A
3V	1.2A	5.04V	0.59A
3V	1.53A	4.99V	0.73A
3V	1.97A	4.99V	0.9A
3.3V	1.2A	5.02V	0.65A
3.3V	1.52A	5.00V	0.8A
3.3V	1.94A	4.95V	1A
3.7V	1A	5.01V	0.63A
3.7V	1.2A	4.99V	0.74A
3.7V	1.51A	4.95V	0.92A
4.2V	0.7A	5.01V	0.5A
4.2V	1A	4.93V	0.72A
4.5V	0.65A	5.02V	0.5A
4.5V	0.8A	5.00V	0.62A
4.5V	1A	4.96V	0.77A
4.5V	1.2A	4.93V	0.92A
5V	0.5A	5.03V	0.43A
5V	0.8A	4.96V	0.7A
5V	1A	4.92V	0.87A
5.5V	0.5A	5.01V	0.47A
5.5V	0.8A	4.93V	0.76A
6V	0.39A	5.01V	0.4A
6V	0.5A	4.98V	0.52A
6V	0.76A	4.91V	0.79A

Applications:

Battery powered equipment
Wireless Module,NRF24L01 CC1101 CC2500 etc.
MCU Development Board,AVR PIC FPGA/CPLD STM32
Arduino_uno mega2560 due Breadboard Raspberry Pi
LED Lighting
Wireless communication equipment
Audio equipment
Digital cameras,GPS,wireless transceiver
Portable devices

Attention :

This is a DC-DC voltage converter module, Must be noted when using:
1 Input voltage can not be greater than the maximum input range
2 Output power can not be greater than the maximum load for a long time
3 Input power must be greater than the output power, because the power consumption of the module itself

Q & A:

Q : Why output voltage is less than the nominal voltage
A : Input power supply power is too low. Test the input voltage with a multimeter, a t this time of the input voltage is very low

