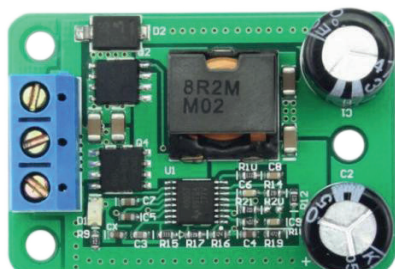


DCDC-RED25-5A
25W step down module



This is a high-performance switching buck module with 5A current.

The module is the second generation of high-frequency switching technology and uses TPS40057 core chip.

Specifications

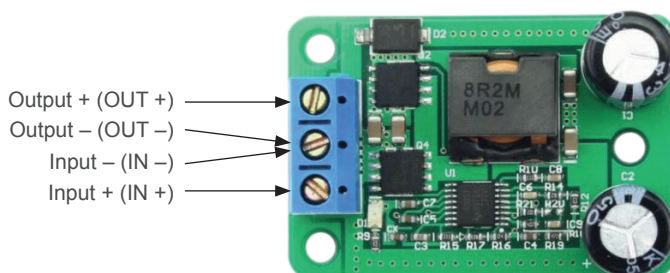
Item	Value	Remarks
Description	Step-down (buck)	
Power	25W	Input max.
Input range	9V ~ 35V	
Output range	5V	Fixed output.
Output current	0 ~ 4.5A	5A max.
Working temperature	-40°C ~ +85°C	If working temperature is higher than 40°C working power should be reduced or heat dissipation should be improved
Conversion efficiency	<91%	The bigger the difference between the input and output voltage, the higher the efficiency.
Dimensions	45 x 31 x 16 mm	
Weight	14g	
Connection mode	Terminals	
IP	IP20	
Shortcircuit protection	No	Fuses and protection circuits must be installed on the input side.
Input reverse polarity protection	Yes	
Overvoltage protection	No	
Load regulation	±0.5%	
Voltage regulation	±2.5%	

DCDC-RED25-5A
25W step down module

Operation

Input		Output		P(in)	P(out)	Efficiency
V (V)	I (Ah)	V (V)	I (Ah)	W	W	%
35.00	0.68	4.89	4.50	23.73	22.00	93
24.00	0.98	4.89	4.50	23.52	22.00	94
12.00	1.98	4.90	4.50	23.724	22.05	93
9.00	2.40	4.92	4.00	21.60	19.70	91

Use mode



- Do not exceed the input power limits.
- Do not exceed the current output limits.
- Do not short-circuit the input and output connections.

Warning!

To prevent fire shock hazard do not expose this appliance to rain or moisture.

Always place the converter in an environment which is:

- Well ventilated.
- Not exposed to direct sunlight or heat source.
- Out of reach from children.
- Away from water/moisture, oil or grease.
- Away from any flammable substance.
- Secure and no risk of falling.