

DROK DC-DC 24V to 12V Non-isolated Buck Converter

(090066)

Product parameters:

Module Properties: non-isolated step-down module (BUCK)

Rectification: synchronous rectification

Input Voltage: DC 24V (DC 17-35V)

Output Voltage: DC 12V

Output Current: 20A, 240W

Conversion rate: up to 90%, Low heat

Test reference:

Input 28.2V 4.54A 128W, Output 11.5V 10A 115.0W, Conversion rate $115/128=89.8\%$

Soft start time: about 500mS

Output ripple: 50mV (MAX) 20M Bandwidth

Operating temperature: Industrial grade (-40 °c to +85 °c) (ambient temperature exceeds 40 °c, please low power use, or to enhance heat dissipation)

Full load temperature rise: 50 °C

Load regulation: $\pm 1\%$

Voltage regulation: $\pm 2\%$

Dynamic response speed: 5% 200uS

Input Reverse Polarity Protection: None (please series a diode at the input port)

Aluminum case: Waterproof, Earthquake, Moistureproof

Protection: Short-circuit protection, overcurrent protection, automatic recovery after troubleshooting

Dimension: 74 x 74 x 32 mm

Note:

Please pay attention to the connection. The polarity can't be reversed;

Please make sure the input power is enough;;

Please enhance heat dissipation when high power use. It is better to leave margin for load current.

