

DROK DC-DC 6-32V to 0.8-28V 150W 15A Adjustable Boost/Buck Voltage Regulator 12V/24V Step-up/Step-down Volt Converter Stabilizer Rectifier Power Transformer Module for Laptop Radio Vehicle Power DIY

Size: 83 (L) x 45 (W) x 19 (H) mm (excluding input and output terminals)

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Feature:

Module Properties: non-isolated buck-boost module (high efficiency)

Rectification: synchronous rectification

Input voltage :DC 6-32V (Rated Power, input voltage equal to 9V; if input 6v, output about 90W)

Lowest dropout: 0V (seamless automatic switching buck-boost, no minimum pressure requirements)

Output voltage :DC 0.8-28V (adjustable)

Output Current: 15A (MAX)

Output Power: 150W (MAX) (eg: output 12V 13A)

Conversion efficiency: Up to 97% (the higher the output voltage, the higher the efficiency, the smaller the pressure the higher the efficiency)

Soft-start time: 500mS

Remote control port: Yes, ON/OFF, (Connect 0V, closed), (Connect 5V or Vacant, work).

Output ripple: 1% (MAX), 20M-bandwidth

Operating Temperature: Industrial (-40°C to +85°C) (if ambient temperature exceeds 40 °c, please lower power use, or to enhance heat dissipation)

Full load temperature rise: 40°C

Load regulation:± 1%

Voltage regulation: ± 0.5%

Dynamic response speed: 5% 200uS

Short circuit protection: Yes, output current limiting (current limit of about 17A)

Input Reverse Polarity Protection: Yes

Input over-voltage protection: Yes, over-voltage protection is 33V, the maximum input voltage can not exceed 36V.

Indicator: Yes, working properly (Green), not working or protection (Red)

Connection: Removable terminal, The eight input and output terminals,Maximum current per port 6A, Please use multiple ports in parallel when large current.