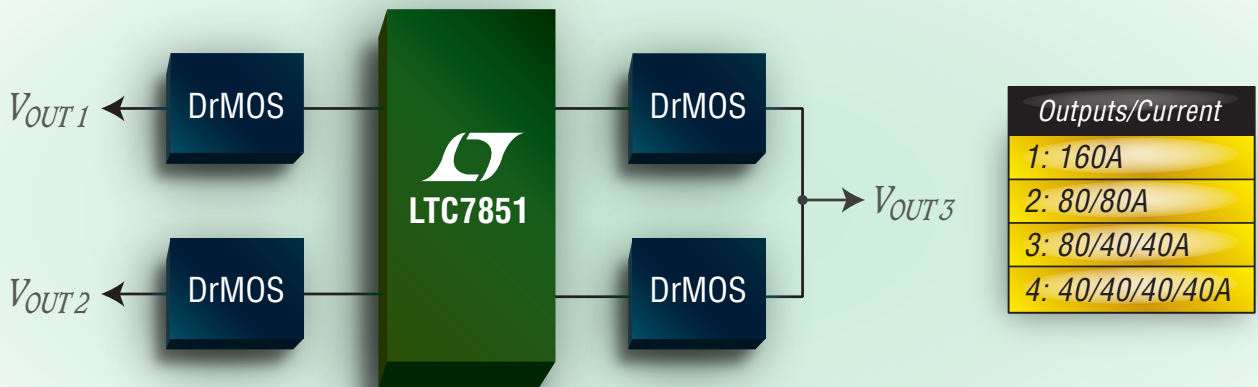


Flexible Buck Controller



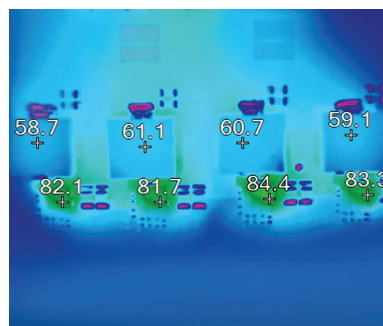
Single, Dual, Triple or Quad with Up to 40A per Phase

Flexible power solutions that are scalable across multiple platforms are a must in many next generation electronic systems including routers and switches. The LTC®7851 can be configured for high current single, dual, triple or quad outputs, and operates with DrMOS, power blocks or gate drivers and MOSFETs as the power train devices. It can easily be scaled for FPGA, ASIC, CAM, TCAM and microprocessor power solutions.

▼ Features

- Operates with Power Blocks, DrMOS or External Gate Drivers and MOSFETs
- V_{IN} Range: 3V to 27V
- V_{OUT} Range: 0.6V to 5V
- Multiphase Capability
- Accurate Current Sharing
- Four V_{OUT} Remote Sense Amplifiers
- Synchronizable Frequency 250kHz to 2.25MHz
- Power Good Output Voltage Indicators
- 5mm × 9mm QFN Package

Balanced Thermals within 2°C (Each Channel at 1V@40A)



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▼ Info & Free Samples

www.linear.com/product/LTC7851
1-800-4-LINEAR



Introducing the LTC7851-1

Quad Output, Multiphase Step-Down Voltage Mode DC/DC Controller with Accurate Current Sharing

