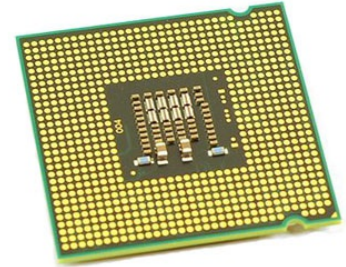


Conv DC-DC 4.5V to 16V Step Down Single-Out 0.6V to 2.5V 13A/26A uModule

Manufacturers	Analog Devices, Inc
Package/Case	LGA-144
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4620IV#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM4620 is a complete dual 13A output switching mode DC/DC power supply. Included in the package are the switching controller, power FETs, inductors, and all supporting components. Operating from an input voltage range of 4.5V to 16V, the LTM4620 supports two outputs each with an output voltage range of 0.6V to 2.5V, set by a single external resistor. Its high efficiency design delivers up to 13A continuous current for each output. Only a few input and output capacitors are needed.

The device supports frequency synchronization, multiphase operation, Burst Mode operation and output voltage tracking for supply rail sequencing and has an onboard temperature diode for device temperature monitoring. High switching frequency and a current mode architecture enable a very fast transient response to line and load changes without sacrificing stability.

Fault protection features include overvoltage and overcurrent protection. The power module is offered in a proprietary space saving and thermally enhanced 15mm × 15mm × 4.41mm LGA package and 15mm × 15mm × 5.01mm BGA package, with integrated top-side heat sink. The LTM4620 is available with SnPb (BGA) or RoHS compliant terminal finish.

Applications

Features

Complete Standalone Dual Output Power Supply

Dual 13A or Single 26A Output

Wide Input Voltage Range: 4.5V to 16V

Output Voltage Range: 0.6V to 2.5V

Multiphase Current Sharing with Multiple LTM4620s Up to 100A

Differential Remote Sense Amplifier

Current Mode Control/Fast Transient Response

Adjustable Switching Frequency

Overcurrent Foldback Protection

Frequency Synchronization

Internal Temperature Monitor

Output Overvoltage Protection

SnPb or RoHS Compliant Finish

Thermally Enhanced (15mm × 15mm × 4.41mm) LGA Package and (15mm × 15mm × 5.01mm) BGA Package

Application

Telecom and Networking
Equipment

Storage and ATCA Cards

Industrial Equipment

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc

BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc

28-WFQFN