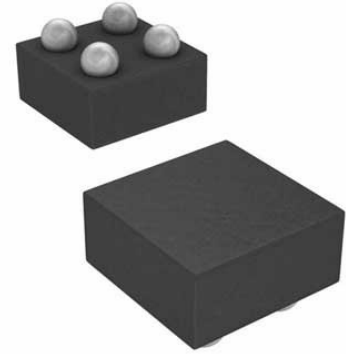


Dual Ultrathin 2A or Single 4A Step-Down DC/DC  $\mu$ Module Regulator

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	25-Lead BGA (6.25mm x 6.25mm x 2.42mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4622AIY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTM4622A is a complete dual 2A step-down switching mode  $\mu$ Module<sup>®</sup> (micromodule) regulator in a tiny ultrathin 6.25mm  $\times$  6.25mm  $\times$  1.82mm LGA and 2.42mm BGA packages. Included in the package are the switching controller, power FETs, inductor and support components. Operating over an input voltage range of 3.6V to 20V, the LTM4622A supports an output voltage range of 1.5V to 12V, set by a single external resistor. Its high efficiency design delivers dual 2A continuous, 3A peak, output current. Only a few ceramic input and output capacitors are needed.

The LTM4622A supports selectable Burst Mode operation and output voltage tracking for supply rail sequencing. Its high switching frequency and current mode control enable a very fast transient response to line and load changes without sacrificing stability.

Fault protection features include input overvoltage, output overcurrent and overtemperature protection.

The LTM4622A is available with SnPb (BGA) or RoHS compliant terminal finish.

Vin Range Vout Range Iout LTM46223 3.6V to 20V 0.6V to 5.5V Dual 2.5A or Single 5A LTM4622A 3.6V to 20V 1.5V to 12V Dual 2A or Single 4A

## Features

Complete Solution in <1cm<sup>2</sup>

Wide Input Voltage Range: 3.6V to 20V

1.5V to 12V Output Voltage

Dual 2A (3A Peak) or Single 4A Output Current

Current Mode Control, Fast Transient Response

External Frequency Synchronization

Multiphase Parallelable with Current Sharing

Output Voltage Tracking and Soft-Start Capability

Selectable Burst Mode® Operation

Overvoltage Input and Overtemperature Protection

Power Good Indicators

6.25mm × 6.25mm × 1.82mm LGA and 6.25mm × 6.25mm × 2.42mm BGA Packages

## Application

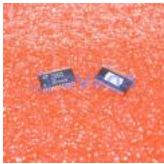
General Purpose Point-of-Load Conversion

Telecom, Networking and Industrial Equipment

Medical Diagnostic Equipment

Test and Debug Systems

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LTM8045EY#PBF](#)

Analog Devices, Inc  
BGA40



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN