

IC REG BOOST ADJUSTABLE 4A 25BGA

Manufacturers	Analog Devices, Inc
Package/Case	25-PowerBGA SMD
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTM4661EY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM4661 is a synchronous step-up switching mode μ Module[®] (power module) regulator in a 6.25mm \times 6.25mm \times 2.42mm BGA package. Included in the package are the switching controller, power FETs, inductor and all support components. Operating over an input voltage of 1.8V to 5.5V, down to 0.7V after start-up, the LTM4661 regulates an output voltage of 2.5V to 15V set by an external resistor. It provides up to 4A switch current. Only bulk input and output capacitors are needed. The LTM4661 1MHz switching frequency and dual phase single output architecture enable fast transient response to line and load changes and a significant reduction of output ripple voltage. It supports frequency synchronization, PolyPhase[®] operation and selectable Burst Mode operation. The LTM4661 features a true output disconnect during shutdown and inrush current limit at start-up. It also has short-circuit, overvoltage and overtemperature protection. The LTM4661 is Pb-free and RoHS compliant.

Features

Complete Solution in 1cm^2 (Single-Sided PCB) or 0.5cm^2 (Dual-Sided PCB)

Input Voltage Range: 1.8V to 5.5V, Down to 0.7V After Start-Up

Output Voltage Range: 2.5V to 15V

4A Switch Current

Dual Phase Operation

Output Disconnect in Shut Down

Inrush Current Limit

External Frequency Synchronization

Selectable Burst Mode[®] Operation

Output Overvoltage and Overtemperature Protection

6.25mm × 6.25mm × 2.42mm BGA package

Application

RF Microwave Power Amplifiers

Battery Powered DC Motors

3.3V Bus Telecom Transceivers

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

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10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN