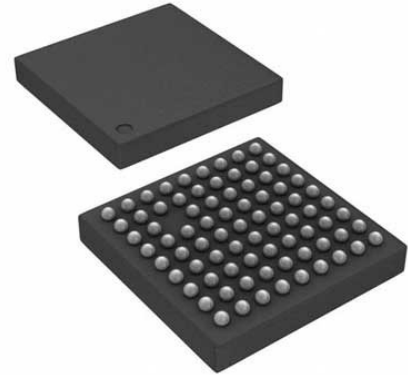


60VIN, 5A Silent Switcher μ Module Regulator

Manufacturers	Analog Devices, Inc
Package/Case	80-Lead BGA (11.25mm x 9mm x 3.32mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8071IY#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM[®]8071 is a 60VIN, 5A (continuous) step-down Silent Switcher μ Module[®] (power module) regulator. The Silent Switcher architecture minimizes EMI while delivering high efficiency at frequencies up to 2.2MHz. Included in the package are the switching controller, power switches, inductor, and all support components. Operating over an input voltage range of 3.6V to 60V, the LTM8071 supports an output voltage range of 0.97V to 15V and a switching frequency range of 200kHz to 2.2MHz, each set by a single resistor. Only the input and output filter capacitors are needed to finish the design.

The LTM8071 is packaged in a compact over-molded ball grid array (BGA) package suitable for automated assembly by standard surface mount equipment. The LTM8071 is available with SnPb (BGA) or RoHS compliant terminal finish.

Applications

Test and Measurement Equipment

Aviation

Distributed Supply Regulation

Industrial Supplies

Wall Transformer Regulation

Features

Complete Step-Down Switch Mode Power Supply

Low Noise Silent Switcher® Architecture

CISPR22 Class B Compliant

Wide Input Voltage Range: 3.6V to 60V

Wide Output Voltage Range: 0.97V to 15V

5A Continuous Output Current at 24VIN, 3.3VOUT,>

7.25A Peak Current at 12VIN, 3.3VOUT

Parallelable for Increased Output Current

Selectable Switching Frequency: 200kHz to 2.2MHz

Programmable Soft-Start

9mm × 11.25mm × 3.32mm RoHS Compliant BGA Package

Application

Test and Measurement Equipment

Aviation

Distributed Supply Regulation

Industrial Supplies

Wall Transformer Regulation

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](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN