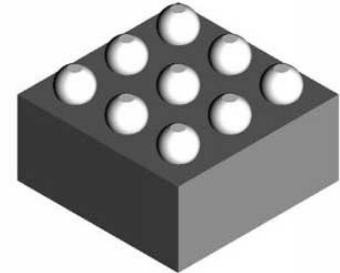


Ultralow Noise EMC 36VIN, 3A DC/DC μ Module Regulator

Manufacturers	Analog Devices, Inc
Package/Case	76-Lead BGA (15mm x 11.25mm x 4.92mm)
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTM8033MPY or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTM8033 is an electromagnetic compatible (EMC) 36V, 3A DC/DC μ Module® (power module) buck converter designed to meet the radiated emissions requirements of EN55022. Conducted emission requirements can be met by adding standard filter components. Included in the package are the switching controller, power switches, inductor, filters and all support components. Operating over an input voltage range of 3.6V to 36V, the LTM8033 supports an output voltage range of 0.8V to 24V, and a switching frequency range of 200kHz to 2.4MHz, each set by a single resistor. Only the bulk input and output filter capacitors are needed to finish the design.

The LTM8033 is packaged in a compact (11.25mm \times 15mm \times 4.32mm) overmolded land grid array (LGA) and ball grid array (BGA) package suitable for automated assembly by standard surface mount equipment. The LTM8033 is available with SnPb (BGA) or RoHS compliant terminal finish.

Features

Complete Step-Down Switch Mode Power Supply

Wide Input Voltage Range: 3.6V to 36V

3A Output Current

0.8V to 24V Output Voltage

EN55022 Class B Compliant

Current Share Multiple LTM8033 Regulators for More Than 3A Output

Selectable Switching Frequency: 200kHz to 2.4MHz

Current Mode Control

SnPb or RoHS Compliant Finish

Programmable Soft-Start

Compact Package (11.25mm × 15mm × 4.32mm)

Surface Mount LGA and (11.25mm × 15mm × 4.92mm) BGA Packages

Application

Automotive Battery Regulation

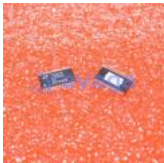
Power for Portable Products

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



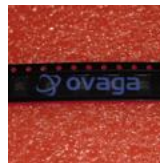
[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN