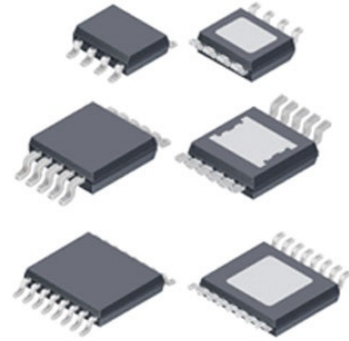


76V, 1A Step-Down Regulator

Manufacturers	Analog Devices, Inc
Package/Case	16(12)-Lead MSOP w/ EP
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3637HMSE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC3637 is a high efficiency step-down DC/DC regulator with an internal high side power switch that draws only 12 μ A DC supply current while maintaining a regulated output voltage at no load.

The LTC3637 can supply up to 1A load current and features a programmable peak current limit that provides a simple method for optimizing efficiency and for reducing output ripple and component size. The LTC3637's combination of Burst Mode[®] operation, integrated power switch, low quiescent current, and programmable peak current limit provides high efficiency over a broad range of load currents.

With its wide input range of 4V to 76V, and programmable overvoltage lockout, the LTC3637 is a robust regulator suited for regulating from a wide variety of power sources. Additionally, the LTC3637 includes a precise run threshold and soft-start feature to guarantee that the power system start-up is well-controlled in any environment.

The LTC3637 is available in the thermally-enhanced 3mm \times 5mm DFN and the MSE16 packages.

Features

Wide Operating Input Voltage Range: 4V to 76V

Internal 350mΩ Power MOSFET

No Compensation Required

Adjustable 100mA to 1A Maximum Output Current

Low Dropout Operation: 100% Duty Cycle

Low Quiescent Current: 12μA

Wide Output Range: 0.8V to VIN

0.8V ±1% Feedback Voltage Reference

Precise RUN Pin Threshold

Internal and External Soft-Start

Programmable 1.8V, 3.3V, 5V or Adjustable Output

Few External Components Required

Programmable Input Overvoltage Lockout

Low Profile (0.75mm) 3mm × 5mm DFN and Thermally-Enhanced MSE16 Packages

Application

Industrial Control Supplies

Medical Devices

Distributed Power Systems

Portable Instruments

Battery-Operated Devices

Automotive

Avionics

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



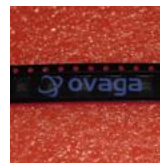
[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN