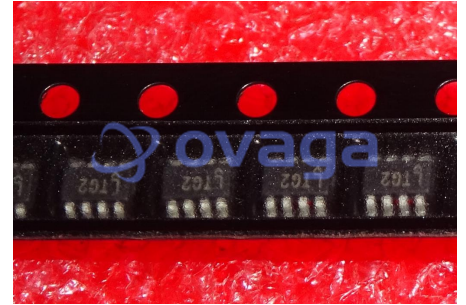


Conv DC-DC 2.3V to 10V Step Up Single-Out 1.25V to 34V 0.14A Micropower 8-Pin TSOT-23 T/R

Manufacturers	Analog Devices, Inc
Package/Case	TSOT23
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT3464ETS8#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3464 is a micropower step-up DC/DC converter with integrated Schottky diode and output disconnect packaged in an 8-lead low profile (1mm) SOT-23. The small package size, high level of integration, and the use of tiny SMT components yield a solution size of less than 40mm². The LT3464 has a typical current limit of 115mA as well as fast switching speed to allow the use of a chip inductor and small ceramic capacitors. The internal PNP disconnects the output load from the input during shutdown, and also provides output short-circuit protection. An auxiliary reference input allows the user to override the internal 1.25V feedback reference with any lower value, allowing full control of the output voltage during operation. This device features a low 25µA quiescent current, which is further reduced to less than 0.5µA in shutdown. A current limited fixed off-time control scheme conserves operating current, resulting in high efficiency over a broad range of operating current. The rugged 36V switch and output disconnect circuitry allow outputs up to 34V to be easily generated in a simple boost topology.

Features

Tiny Solution Size

Low Quiescent Current

25 μ A in Active Mode

0.5 μ A in Shutdown Mode

Internal 115mA, 36V Switch

Integrated Schottky Diode

Integrated PNP Output Disconnect with Short-Circuit Protection

Internal Reference Override Pin

16V at 8mA from 3.6V Input

12V at 20mA from 5V Input

Input Range: 2.3V to 10V

High Output Voltage: Up to 34V

Low Profile (1mm) SOT-23 Package

Application

OEL Panel Bias

LCD Bias

Handheld Computers

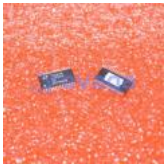
Battery Backup

Digital Cameras

Cellular Phones

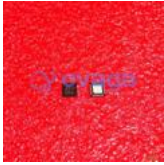


Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EX#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