

IC REG BUCK INV 5V 1A 8SOIC

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1174HVCS8-5#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC1174 is a simple current mode DC/DC converter ideally suited for 9V to 5V, 5V to 3.3V or 5V to -5V operation. With an internal 0.9Ω switch (at a supply voltage of 9V), the LTC1174 requires only four external components to construct a complete high efficiency DC/DC converter.

Under a no load condition the LTC1174 draws only 130μA. In shutdown, it draws a mere 1μA making this converter ideal for current sensitive applications. In dropout, the internal P-channel MOSFET switch is turned on continuously allowing the user to maximize the life of the battery source.

The maximum inductor current of the LTC1174 family is pin selectable to either 340mA or 600mA, optimizing efficiency for a wide range of applications. Operation up to 200kHz permits the use of small surface mount inductors and capacitors.

For applications requiring higher output current or ultrahigh efficiency, see the LTC1148 data sheet.

## Features

High Efficiency: Up to 94%

Peak Inductor Current Independent of Inductor Value

Short-Circuit Protection

Optimized for 5V to -5V Applications

Wide VIN Range: 4V to 18.5V

Low Dropout Operation

Low-Battery Detector

Pin Selectable Current Limit

Internal 0.9Ω Power Switch<>

Only Four External Components Required

130μA Standby Current

Active Low Micropower Shutdown

## Application

Distributed Power Systems

Step-Down Converters

Inverting Converters

Memory Backup Supply

Portable Instruments

Battery-Powered Equipment

## 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



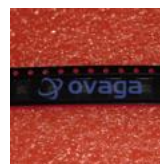
### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN