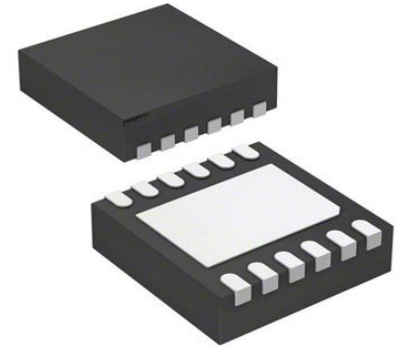


Dual Monolithic 600mA Synchronous Step-Down Regulator; Package: DFN; No of Pins: 8;  
Temperature Range: -40°C to +125°C

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	8-WFDFN
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3419EDD#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC3419 is a dual, 2.25MHz, constant-frequency, synchronous step-down DC/DC converter in a tiny 3mm × 3mm DFN package. 100% duty cycle provides low dropout operation, extending battery life in portable systems. Low output voltages are supported with the 0.6V feedback reference voltage. Each regulator can supply 600mA output current.

The input voltage range is 2.5V to 5.5V, making it ideal for Li-Ion and USB powered applications. Supply current during operation is only 35µA and drops to <1µA in shutdown. A user-selectable mode input allows the user to trade off between high efficiency Burst Mode operation and pulse-skipping mode.

An internally set 2.25MHz switching frequency allows the use of tiny surface mount inductors and capacitors. Internal soft-start reduces inrush current during start-up. Both outputs are internally compensated to work with ceramic output capacitors. The LTC3419 is available in a low profile (0.75mm) 3mm × 3mm DFN package. The LTC3419 is also available in a fixed output voltage configuration selected via internal resistor dividers.

## Features

High Efficiency Dual Step-Down Outputs: Up to 96%

600mA Current per Channel at >

Only 35µA Quiescent Current During Operation (Both Channels)

2.25MHz Constant-Frequency Operation

2.5V to 5.5V Input Voltage Range

Low Dropout Operation: 100% Duty Cycle

No Schottky Diodes Required

Internally Compensated for All Ceramic Capacitors

Independent Internal Soft-Start for Each Channel

Available in Fixed Output Versions

Current Mode Operation for Excellent Line and Load Transient Response

0.6V Reference Allows Low Output Voltages

User-Selectable Burst Mode® Operation

Short-Circuit Protected

Ultralow Shutdown Current:  $I_Q < 1\mu\text{A}$

Available in Small MSOP or 3mm × 3mm DFN-8 Packages

## Application

Cellular Telephones

Digital Still Cameras

Wireless and DSL Modems

Portable Media Players

PDAs/Palmtop PCs

## 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