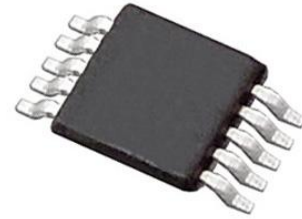


IC REG BUCK SYNC ADJ 1A 10MSOP

Manufacturers	Analog Devices, Inc
Package/Case	MSOP10
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC3407AIMSE#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC3407A is a dual, constant frequency, synchronous step-down DC/DC converter. Intended for low power applications, it operates from a 2.5V to 5.5V input voltage range and has a constant 1.5MHz switching frequency, enabling the use of tiny, low cost capacitors and inductors 1mm or less in height. Each output voltage is adjustable from 0.6V to 5V. Internal synchronous 0.35Ω, 1A power switches provide high efficiency without the need for external Schottky diodes.

A user selectable mode input is provided to allow the user to trade-off ripple noise for low power efficiency. Burst Mode® operation provides the highest efficiency at light loads, while Pulse Skip Mode provides the lowest ripple noise at light loads.

To further maximize battery life, the P-channel MOSFETs are turned on continuously in dropout (100% duty cycle), and both channels draw a total quiescent current of only 40μA. In shutdown, the device draws <1μA.

b LTC34072x 600mA1.5MHzLTC3407-22x 800mA2.25MHzLTC3407-32x 800mA2.5MHzFixed 1.8V/3.3VLTC3407-42x 800mA2.25MHzReduced POR DelayLTC3407A2x 600mA1.5MHzLow Ripple Burst ModeLTC3407A-22x 800mA2.25MHzLow Ripple Burst Mode

Features

High Efficiency: Up to 96%

Low Ripple (35mVP-P) Burst Mode Operation;>

1.5MHz Constant Frequency Operation

No Schottky Diodes Required

Low RDS(ON) Internal Switches: 0.35Ω

Current Mode Operation for Excellent Line and Load Transient Response

Short-Circuit Protected

Low Dropout Operation: 100% Duty Cycle

Ultralow Shutdown Current: $I_Q < 1\mu A$

Output Voltages from 5V down to 0.6V

Power-On Reset Output

Externally Synchronizable Oscillator

Optional External Soft-Start

Small Thermally Enhanced MSOP and 3mm × 3mm DFN Packages

Application

PDA's/Palmtop PCs

Digital Cameras

Cellular Phones

Wireless and DSL Modems

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



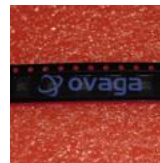
[LTC2990IMS#PBF](#)

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10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

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28-WFQFN