

Conv DC-DC 2.7V to 25V Non-Inv/Inv/Step Up/Step Down Single-Out 1.245V to 30V 2.7A 8-Pin SOIC N

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



Images are for reference only

Please submit RFQ for LT1372IS8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1372/LT1377 are monolithic high frequency switching regulators. They can be operated in all standard switching configurations including boost, buck, flyback, forward, inverting and "Cuk." A 1.5A high efficiency switch is included on the die, along with all oscillator, control and protection circuitry. All functions of the LT1372/LT1377 are integrated into 8-pin SO/PDIP packages.

The LT1372/LT1377 typically consumes only 4mA quiescent current and has higher efficiency than previous parts. High frequency switching allows for very small inductors to be used. All surface mount components consume less than 0.5 square inch of board space.

New design techniques increase flexibility and maintain ease of use. Switching is easily synchronized to an external logic level source. A logic low on the shutdown pin reduces supply current to 12µA. Unique error amplifier circuitry can regulate positive or negative output voltage while maintaining simple frequency compensation techniques. Nonlinear error amplifier transconductance reduces output overshoot on start-up or overload recovery. Oscillator frequency shifting protects external components during overload conditions.

## Features

Faster Switching with Increased Efficiency

Uses Small Inductors: 4.7 $\mu$ H

All Surface Mount Components

Only 0.5 Square Inch of Board Space

Low Minimum Supply Voltage: 2.7V

Quiescent Current: 4mA Typ

Current Limited Power Switch: 1.5A

Regulates Positive or Negative Outputs

Shutdown Supply Current: 12 $\mu$ A Typ

Easy External Synchronization

8-Pin SO or PDIP Packages

## Application

Boost Regulators

CCFL Backlight Driver

Laptop Computer Supplies

Multiple Output Flyback Supplies

Inverting Supplies





### Related Products



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TSSOP28



[LT1038CK](#)

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TO-3



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