

Conv DC-DC 4V to 40V Step Down Single-Out 1.25V to 16V 0.2A Micropower Automotive 8-Pin TSOT-23 T/R

Manufacturers	<u>Analog Devices, Inc</u>
Package/Case	8SOT2
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3470ETS8#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT3470 is a micropower step-down DC/DC converter that integrates a 300mA power switch, catch diode and boost diode into low profile 3mm x 2mm DD and ThinSOT™ packages. The LT3470 combines Burst Mode and continuous operation to allow the use of tiny inductor and capacitors while providing a low ripple output to loads of up to 200mA.

With its wide input range of 4V to 40V, the LT3470 can regulate a wide variety of power sources, from 2-cell Li-Ion batteries to unregulated wall transformers and leadacid batteries. Quiescent current in regulation is just 26µA in a typical application while a zero current shutdown mode disconnects the load from the input source, simplifying power management in battery-powered systems. Fast current limiting and hysteretic control protects the LT3470 and external components against shorted outputs, even at 40V input.

Vin Min StartupSwitch CurrentLT34705.5V300mALT3470A4V400mA

## Features

Low Quiescent Current: 26 $\mu$ A at 12VIN to 3.3VOUT

Integrated Boost and Catch Diodes

Input Range: 4V to 40V

Low Output Ripple: <10mV

Output Voltage: 1.25V to 16V

200mA Output Current

Hysteretic Mode Control

Low Ripple Burst Mode® Operation at Light Loads

Continuous Operation at Higher Loads

Solution Size as Small as 50mm<sup>2</sup>

Low Profile (0.75mm) 3mm x 2mm Thermally Enhanced 8-Lead DD and 1mm ThinSOT Packages

## Application

Automotive Battery Regulation

Power for Portable Products

Distributed Supply Regulation

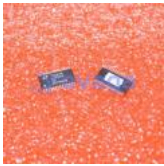
Industrial Supplies

Wall Transformer Regulation



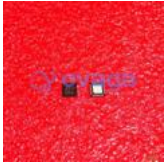
## Related Products

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Analog Devices, Inc  
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