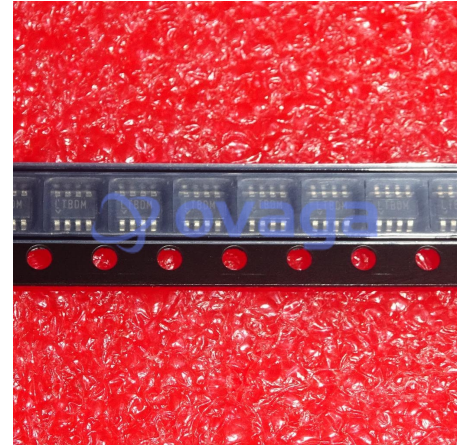


Linear Technology, LT3470ETS8#TRMPBF Step-Down Switching Regulator 200mA Adjustable, 1.25 16 V 8-Pin, TSOT-23

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOT-23
Product Type	Power Management ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT3470ETS8#TRMPBF 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

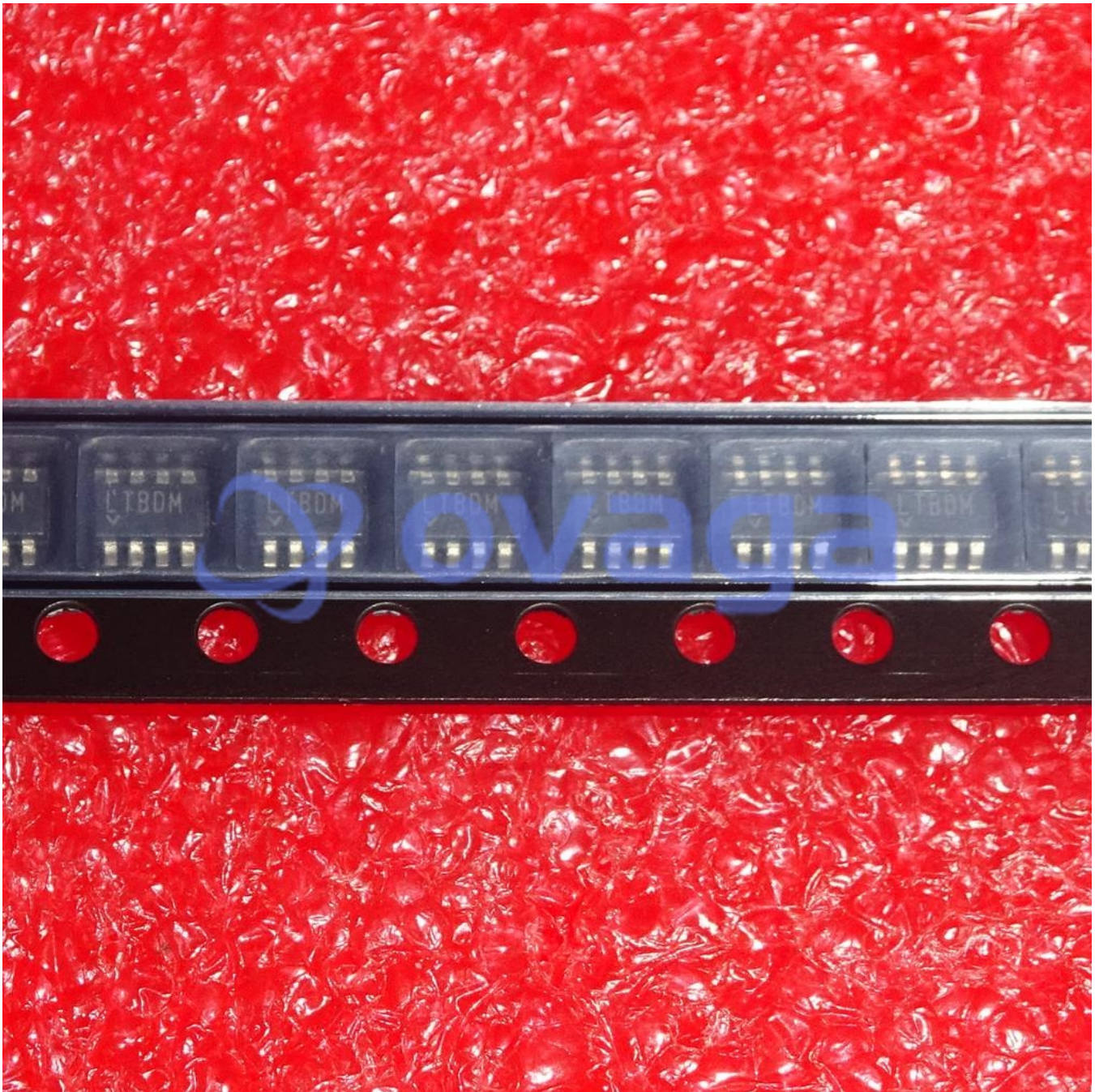
Automotive Battery Regulation

Power for Portable Products

Distributed Supply Regulation

Industrial Supplies

Wall Transformer Regulation



## Related Products



### [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