

Conv DC-DC 3V to 40V Step Up Single-Out 60V 1A Automotive Medical 6-Pin TSOT-23 T/R

Manufacturers	Analog Devices, Inc
Package/Case	SOT-23-6 Thin, TSOT-23-6
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT8330ES6#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT8330 is a current mode DC/DC converter capable of generating either positive or negative output voltages using a single feedback pin. It can be configured as a boost, SEPIC or inverting converter consuming as low as 6 μ A of quiescent current. Low ripple Burst Mode operation maintains high efficiency down to very low output currents while keeping the output ripple below 15mV in a typical application. The internally compensated current mode architecture results in stable operation over a wide range of input and output voltages. Integrated soft-start and frequency foldback functions are included to control inductor current during start-up. The 2MHz operation combined with small package options, enables low cost, area efficient solutions.

Features

3V to 40V Input Voltage Range

Ultralow Quiescent Current and Low Ripple Burst Mode® Operation>

1A, 60V Power Switch

Positive or Negative Output Voltage Programming with a Single Feedback Pin

Fixed 2MHz Switching Frequency

Accurate 1.6V EN/UVLO Pin Threshold

Internal Compensation and Soft-Start

Low Profile (1mm) ThinSOT™ Package

Low Profile (0.75mm) 8-Lead (3mm × 2mm) DFN Package

AEC-Q100 Qualified for Automotive Applications

Application

Industrial and Automotive

Telecom

Medical Diagnostic Equipment

Portable Electronics



Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC3440EMS](#)

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MSOP10



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



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BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN