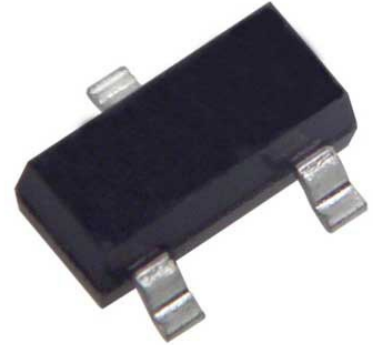


Conv DC-DC 2.45V to 16V Step Up Single-Out 1.255V to 34V 2A Automotive 5-Pin TSOT-23 T/R

Manufacturers	Analog Devices, Inc
Package/Case	SOT23-5
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1930ES5#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1930 and LT1930A are the industry's highest power SOT-23 switching regulators. Both include an internal 1A, 36V switch allowing high current outputs to be generated in a small footprint. The LT1930 switches at 1.2MHz, allowing the use of tiny, low cost and low height capacitors and inductors. The faster LT1930A switches at 2.2MHz, enabling further reductions in inductor size. Complete regulator solutions approaching one tenth of a square inch in area are achievable with these devices. Multiple output power supplies can now use a separate regulator for each output voltage, replacing cumbersome quasi-regulated approaches using a single regulator and custom transformers.

A constant frequency internally compensated current mode PWM architecture results in low, predictable output noise that is easy to filter. Low ESR ceramic capacitors can be used at the output, further reducing noise to the millivolt level. The high voltage switch on the LT1930/LT1930A is rated at 36V, making the device ideal for boost converters up to 34V as well as for single-ended primary inductance converter (SEPIC) and flyback designs. The LT1930 can generate 5V at up to 480mA from a 3.3V supply or 5V at 300mA from four alkaline cells in a SEPIC design.

The LT1930/LT1930A are available in the 5-lead ThinSOT package.

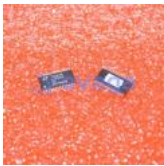
Features

1.2MHz Switching Frequency (LT1930)
2.2MHz Switching Frequency (LT1930A)
Low VCESAT Switch: 400mV at 1A
High Output Voltage: Up to 34V
5V at 480mA from 3.3V Input (LT1930)
12V at 250mA from 5V Input (LT1930A)
Wide Input Range: 2.6V to 16V
Uses Small Surface Mount Components
Low Shutdown Current: <1 μ A
Low Profile (1mm) ThinSOT™ Package
Pin-for-Pin Compatible with the LT1613

Application

TFT-LCD Bias Supply
Digital Cameras
Cordless Phones
Battery Backup
Medical Diagnostic Equipment
Local 5V or 12V Supply
External Modems
PC Cards
xDSL Power Supply

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT1038CK](#)

Analog Devices, Inc
TO-3



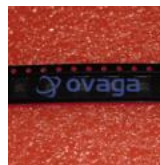
[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN