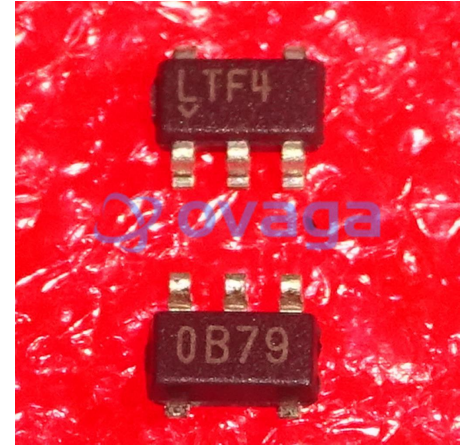


LDO Regulator, 350mA, 3.3 V, 1.6 6.5 Vin 5-Pin, TSOT-23

| | |
|---------------|-------------------------------------|
| Manufacturers | Analog Devices, Inc |
| Package/Case | TSOT23 |
| Product Type | Power Management ICs |
| RoHS | Pb-free Halide free |
| Lifecycle | |



Images are for reference only

Please submit RFQ for LTC1844ES5-3.3#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1844 Series are low noise VLDO™ (very low dropout) linear regulators designed for low power/portable applications. These regulators can operate from input voltages as low as 1.6V. Typical output noise is only 30µVRMS and typical dropout for the LTC1844-3.3 is just 90mV at the maximum load current of 150mA, reducing to 30mV at 50mA.

The internal P-channel MOSFET pass transistor requires no base current, allowing the device to draw only 35µA during normal operation, independent of the dropout voltage and load current. The quiescent current falls to a negligible 10nA during shutdown.

Other features include high output voltage accuracy, excellent transient response, stability with ultralow ESR ceramic capacitors as small as 1µF, reverse-battery and reverse-current protection, short-circuit and thermal overload protection and output current limiting.

The LTC1844 regulators are available in a low profile (1mm) SOT-23 (ThinSOT™) package.

Features

Very Low Dropout:

90mV at 150mA

30mV at 50mA (LTC1844-3.3)

Wide Input Voltage Range: 1.6V to 6.5V

Low 35 μ A Supply Current, Even in Dropout

Low Noise: 60 μ V_{RMS} (10Hz to 100kHz)

Fast Transient Response

10nA Supply Current in Shutdown

Fixed Output Voltages: 1.5V, 1.8V, 2.5V, 2.8V, 3.3V

Adjustable Output Voltage: 1.25V to 6V

Output Current Limit

Reverse-Battery and Reverse-Current Protection

No Protection Diodes Needed

Stable with 1 μ F Output Capacitor

Stable with Ceramic Capacitors

Short-Circuit and Thermal Overload Protection

Low Profile (1mm) SOT-23 Package

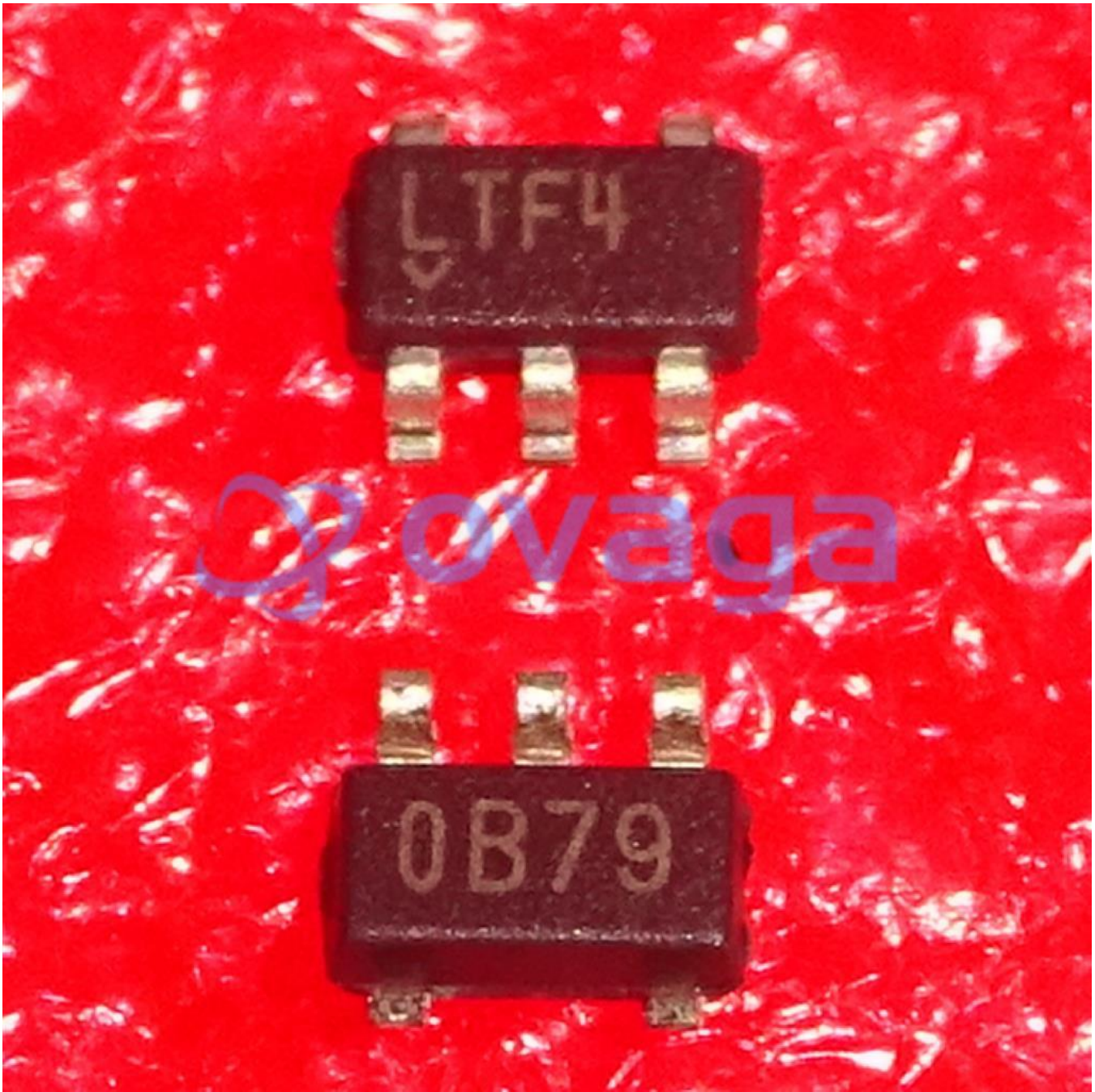
Application

Portable Instruments and Battery-Powered Systems

Bluetooth/802.11 Cards

Cellular Phones

PDAs and Notebook Computers



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