

Low Noise LDO Voltage Regulator, 100mA, 3.3 V, 1.8 20 Vin 5-Pin

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOT23-5
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1761ES5-3.3#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1761 series are micropower, low noise, low dropout regulators. With an external 0.01 $\mu$ F bypass capacitor, output noise drops to 20 $\mu$ VRMS over a 10Hz to 100kHz bandwidth. Designed for use in battery-powered systems, the low 20 $\mu$ A quiescent current makes them an ideal choice. In shutdown, quiescent current drops to less than 0.1 $\mu$ A. The devices are capable of operating over an input voltage from 1.8V to 20V, and can supply 100mA of output current with a dropout voltage of 300mV. Quiescent current is well controlled, not rising in dropout as it does with many other regulators.

The LT1761 regulators are stable with output capacitors as low as 1 $\mu$ F. Small ceramic capacitors can be used without the series resistance required by other regulators.

Internal protection circuitry includes reverse battery protection, current limiting, thermal limiting and reverse current protection. The device is available in fixed output voltages of 1.2V, 1.5V, 1.8V, 2V, 2.5V, 2.8V, 3V, 3.3V and 5V, and as an adjustable device with a 1.22V reference voltage. The LT1761 regulators are available in the 5-lead TSOT-23 package.

## Features

Low Noise: 20 $\mu$ V<sub>RMS</sub> (10Hz to 100kHz)

Low Quiescent Current: 20 $\mu$ A

Wide Input Voltage Range: 1.8V to 20V

Output Current: 100mA

Very Low Shutdown Current: <0.1 $\mu$ A

Low Dropout Voltage: 300mV at 100mA

Fixed Output Voltages: 1.2V, 1.5V, 1.8V, 2V, 2.5V, 2.8V, 3V, 3.3V, 5V

Adjustable Output from 1.22V to 20V

Stable with 1 $\mu$ F Output Capacitor

Stable with Aluminum, Tantalum or Ceramic Capacitors

Reverse-Battery Protected

No Reverse Current

No Protection Diodes Needed

Overcurrent and Overtemperature Protected

Available in Tiny 5-Lead TSOT-23 Package

## Application

Cellular Phones

Pagers

Battery-Powered Systems

Frequency Synthesizers

Wireless Modems





## Related Products



[LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



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Analog Devices, Inc  
MSOP-8P



[LT1038CK](#)

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TO-3



[LTC3440EMS](#)

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