

LDO Regulator Pos 5V 0.15A Automotive 4-Pin(3+Tab) SOT-223 Tube

Manufacturers	Analog Devices, Inc
Package/Case	SOT-22
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1121IST-5#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1121/LT1121-3.3/LT1121-5 are micropower low dropout regulators with shutdown. These devices are capable of supplying 150mA of output current with a dropout voltage of 0.4V. Designed for use in battery-powered systems, the low quiescent current, 30 μ A operating and 16 μ A in shutdown, makes them an ideal choice. The quiescent current is well-controlled; it does not rise in dropout as it does with many other low dropout PNP regulators.

Other features of the LT1121/LT1121-3.3/LT1121-5 include the ability to operate with very small output capacitors. They are stable with only 0.33 μ F on the output while most older devices require between 1 μ F and 100 μ F for stability. Small ceramic capacitors can be used, enhancing manufacturability. Also the input may be connected to ground or a reverse voltage without reverse current flow from output to input. This makes the LT1121 series ideal for backup power situations where the output is held high and the input is at ground or reversed. Under these conditions only 16 μ A will flow from the output pin to ground.

Features

0.4V Dropout Voltage

150mA Output Current

30 μ A Quiescent Current

No Protection Diodes Needed

Adjustable Output from 3.75V to 30V

3.3V and 5V Fixed Output Voltages

Controlled Quiescent Current in Dropout

Shutdown

16 μ A Quiescent Current in Shutdown

Stable with 0.33 μ F Output Capacitor

Reverse Battery Protection

No Reverse Current with Input Low

Thermal Limiting

Available in the 8-Lead SO, 8-Lead PDIP, 3-Lead SOT-23 and 3-Lead TO-92 Packages

Application

Low Current Regulator

Regulator for Battery-Powered Systems

Post Regulator for Switching Supplies



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](#)

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BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN