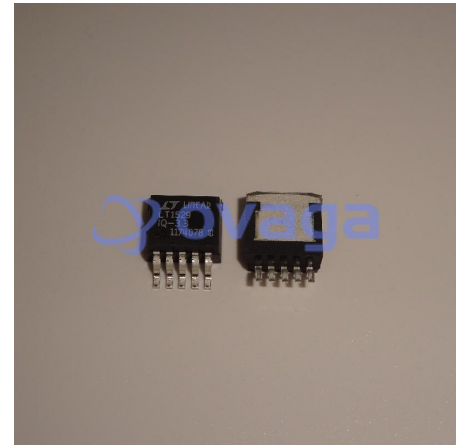


LDO Regulator, 3A, 3.3 V, -15 15 Vin 5-Pin, D2PAK

Manufacturers	Analog Devices, Inc
Package/Case	TO-263
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1529IQ-3.3#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1529/LT1529-3.3/LT1529-5 are 3A low dropout regulators with micropower quiescent current and shutdown. The devices are capable of supplying 3A of output current with a dropout voltage of 0.6V. Designed for use in battery-powered systems, the low quiescent current, 50 μ A operating and 16 μ A in shutdown, make 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 LT1529 /LT1529-3.3/LT1529-5 include the ability to operate with small output capacitors. They are stable with 22 μ F on the output while most older devices require up to 100 μ F for stability. Small ceramic capacitors can be used, enhancing manufacturability. Also the input may be connected to voltages lower than the output voltage, including negative voltages, without reverse current flow from output to input. This makes the LT1529/LT1529-3.3/LT1529-5 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. The devices are available in 5-lead TO-220 and 5-lead DD packages.

Features

Dropout Voltage: 0.6V at>

Output Current: 3A

Quiescent Current: 50 μ A

No Protection Diodes Needed

Adjustable Output from 3.8V to 14V

3.3V and 5V Fixed Output Voltages

Controlled Quiescent Current in Dropout

Shutdown>

Stable with 22 μ F Output Capacitor

Reverse Battery Protection

No Reverse Current

Thermal Limiting

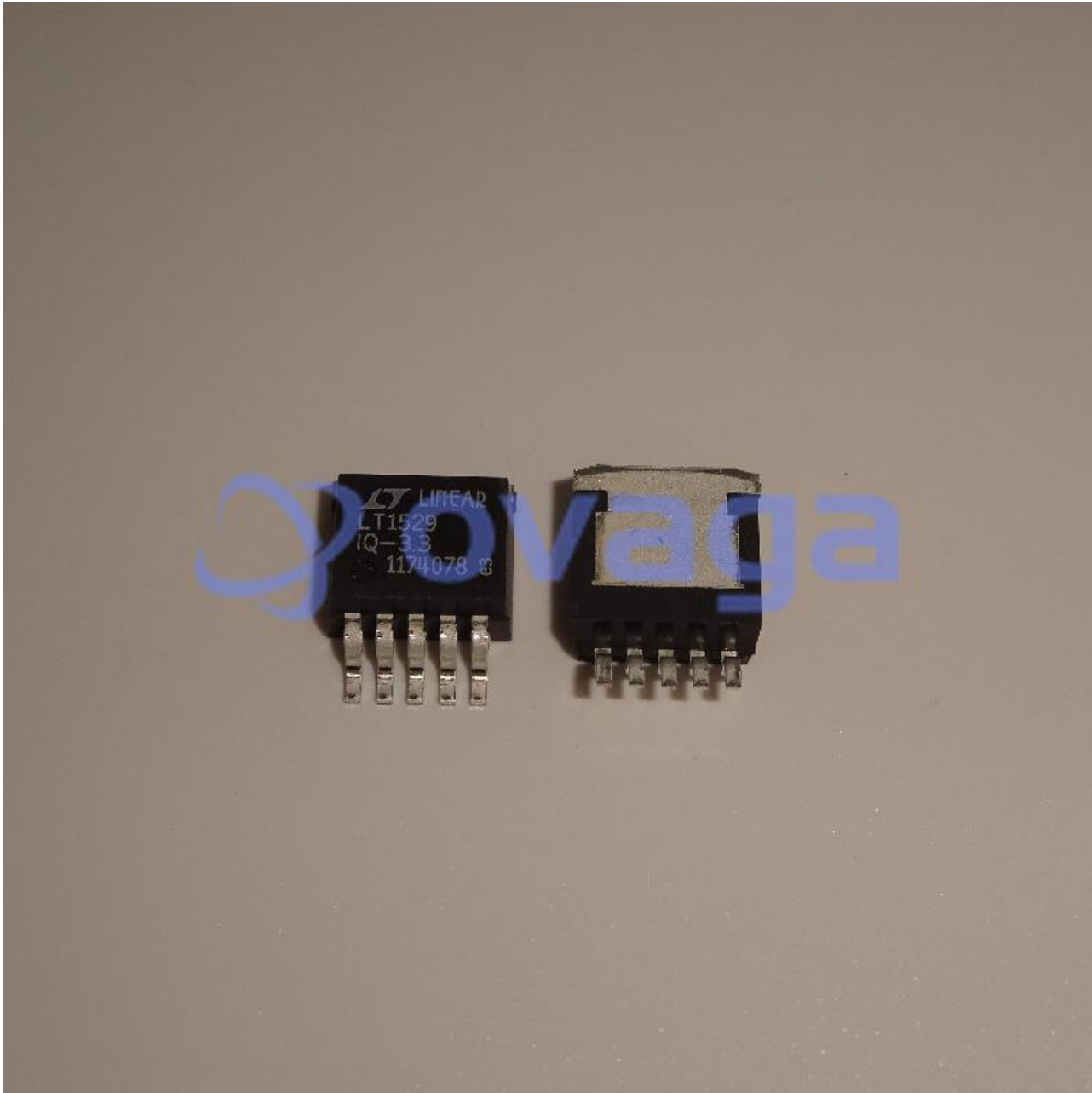
Application

High Efficiency Regulator

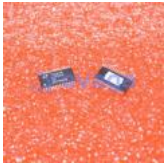
Regulator for Battery-Powered Systems

Post Regulator for Switching Supplies

5V to 3.3V Logic Regulator



Related Products



[LT3763EFE](#)
Analog Devices, Inc
TSSOP28



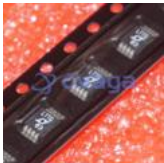
[LT1038CK](#)
Analog Devices, Inc
TO-3



[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