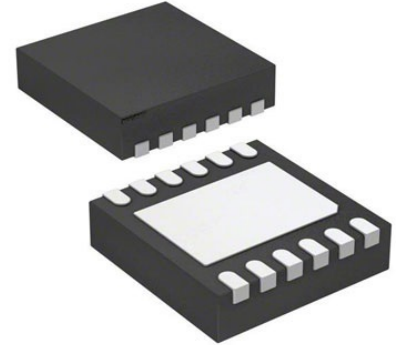


20mA, 3V to 80V Low Dropout Micropower Linear Regulator; Package: DFN; No of Pins: 8; Temperature Range: -40°C to +125°C



Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	8-WDFDN
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	

Please submit RFQ for LT3014BEDD#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3014B is a high voltage, micropower low dropout linear regulator. The device is capable of supplying 20mA of output current with a dropout voltage of 350mV. Designed for use in battery-powered or high voltage systems, the low quiescent current (7µA operating) makes the LT3014B an ideal choice. Quiescent current is also well controlled in dropout.

Other features of the LT3014B include the ability to operate with very small output capacitors. The regulators are stable with only 0.47µF on the output while most older devices require between 10µF and 100µF for stability. Small ceramic capacitors can be used without the necessary addition of ESR as is common with other regulators. Internal protection circuitry includes reverse-battery protection, current limiting, thermal limiting and reverse current protection.

The device is available as an adjustable device with a 1.22V reference voltage. The LT3014B regulator is available in the 5-lead ThinSOT and 8-lead DFN packages.

Shutdown Pin LT3014YesLT3014BNo

Features

Wide Input Voltage Range: 3V to 80V

Low Quiescent Current: 7 μ A

Low Dropout Voltage: 350mV

Output Current: 20mA

LT3014BHV Survives 100V Transients (2ms)

No Protection Diodes Needed

Adjustable Output from 1.22V to 60V

Stable with 0.47 μ F Output Capacitor

Stable with Aluminum, Tantalum or Ceramic Capacitors

Reverse-Battery Protection

No Reverse Current Flow from Output

Thermal Limiting

Available in 5-Lead ThinSOT™ and 8-Lead DFN Packages

Application

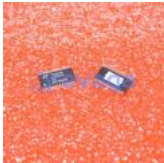
Low Current High Voltage Regulators

Regulator for Battery-Powered Systems

Telecom Applications

Automotive Applications

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](#)

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28-WFQFN