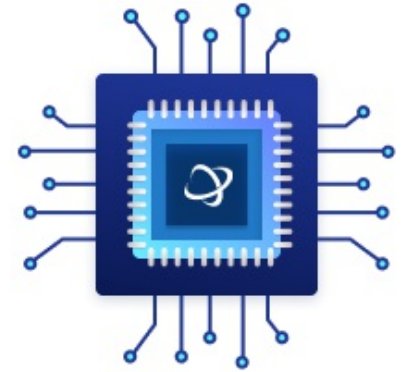


LDO VOLTAGE REGULATOR ADJUSTABLE, 200mV TO 9.5V, 500mA, Output Type:Adjustable, Input Voltage Min:900mV, Input Voltage Max:10V, Fixed Output Voltage Nom.-, Adjustable Output Voltage Min:200mV, Output Current:500mA



Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	V-9
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	

Please submit RFQ for LT3021EDH#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT3021 is a very low dropout voltage (VLDO™) linear regulator that operates from input supplies down to 0.9V. This device supplies 500mA of output current with a typical dropout voltage of 160mV. The LT3021 is ideal for low input voltage to low output voltage applications, providing comparable electrical efficiency to that of a switching regulator.

The LT3021 regulator optimizes stability and transient response with low ESR, ceramic output capacitors as small as 3.3µF. Other LT3021 features include 0.05% typical line regulation and 0.2% typical load regulation. In shutdown, quiescent current typically drops to 3µA.

Internal protection circuitry includes reverse-battery protection, current limiting, thermal limiting with hysteresis, and reverse-current protection. The LT3021 is available as an adjustable output device with an output range down to the 200mV reference. Three fixed output voltages, 1.2V, 1.5V and 1.8V, are also available.

The LT3021 regulator is available in the low profile (0.75mm) 16-pin (5mm × 5mm) DFN package with exposed pad and the 8-lead SO package.

Features

VIN Range: 0.9V to 10V

Dropout Voltage: 160mV Typical

Output Current: 500mA

Adjustable Output = 200mV)

Fixed Output Voltages: 1.2V, 1.5V, 1.8V

Stable with Low ESR, Ceramic Output Capacitors (3.3 μ F Minimum)

0.2% Load Regulation from 0mA to 500mA

Quiescent Current: 120 μ A (Typ)

3 μ A Typical Quiescent Current in Shutdown

Current Limit Protection

Reverse-Battery Protection

No Reverse Current

Thermal Limiting with Hysteresis

16-Pin DFN (5mm \times 5mm) and 8-Lead SO Packages

Application

Low Current Regulators

Battery-Powered Systems

Cellular Phones

Pagers

Wireless Modems

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](#)

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MSOP-8P



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

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BGA40



[LT4295IUFD#PBF](#)

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28-WFQFN