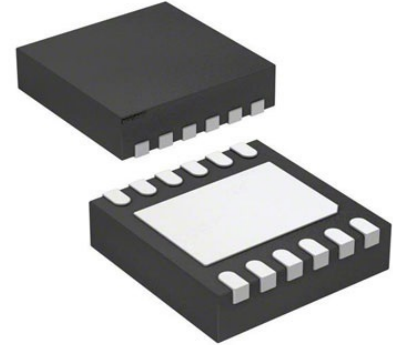


LDO Regulator Pos 0.6V to 44.5V 0.1A Automotive 8-Pin DFN EP T/R

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	8-WDFN
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT3060EDC#TRMPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT3060 series are micropower, low dropout voltage (LDO) linear regulators that operate over a 1.6V to 45V input supply range. The devices supply 100mA of output current with a typical dropout voltage of 300mV. A single external capacitor provides programmable low noise reference performance and output soft-start functionality. The LT3060's quiescent current is merely 40 $\mu$ A and provides fast transient response with a minimum 2.2 $\mu$ F output capacitor. In shutdown, quiescent current is less than 1 $\mu$ A and the reference soft-start capacitor is reset.

The LT3060 regulators optimize stability and transient response with low ESR, ceramic output capacitors. The regulators do not require the addition of ESR as is common with other regulators.

Internal protection circuitry includes reverse-battery protection, reverse-output protection, reverse-current protection, current limit with foldback and thermal shutdown. The LT3060 series are available in fixed output voltages of 1.2V, 1.5V, 1.8V, 2.5V, 3.3V, 5V and 15V, and as an adjustable voltage regulator with an output voltage range from the 600mV reference to 44.5V. The LT3060 regulators are offered in the thermally enhanced 8-lead TSOT-23 and 8-lead (2mm  $\times$  2mm  $\times$  0.75mm) DFN packages.

## Features

Input Voltage Range: 1.6V to 45V

Output Current: 100mA

Quiescent Current: 40 $\mu$ A

Dropout Voltage: 300mV

Low Noise: 30 $\mu$ VRMS (10Hz to 100kHz)

Adjustable Output:>

Fixed Output Voltages: 1.2V, 1.5V, 1.8V, 2.5V, 3.3V, 5V, 15V

Output Tolerance:  $\pm$ 2% Over Line, Load and Temperature

Single Capacitor Soft-Starts Reference and Lowers Output Noise

Shutdown Current: < 1 $\mu$ A

Reverse Battery Protection

Current Limit Foldback Protection

Thermal Limit Protection

8-Lead 2mm  $\times$  2mm  $\times$  0.75mm DFN and 8-Lead ThinSOT™ Packages

## Application

Battery-Powered Systems

Automotive Power Supplies

Industrial Power Supplies

Avionic Power Supplies

Portable Instruments

## Related Products



[LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



[LTM8045EX#PBF](#)

Analog Devices, Inc  
BGA40



[LT1038CK](#)

Analog Devices, Inc  
TO-3



[LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



[LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN