

LDO Regulator Neg/Pos -2.5V to -25V 2.5V to 25V 3A Automotive 6-Pin(5+Tab) DDPAK Tube

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	TO-263
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1185CQ#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1185 is a 3A low dropout regulator with adjustable current limit and remote sense capability. It can be used as a positive output regulator with floating input or as a standard negative regulator with grounded input. The output voltage range is 2.5V to 25V, with  $\pm 1\%$  accuracy on the internal reference voltage.

The LT1185 uses a saturation-limited NPN transistor as the pass element. This device gives the linear dropout characteristics of a FET pass element with significantly less die area. High efficiency is maintained by using special anti-saturation circuitry that adjusts base drive to track load current. The “on resistance” is typically  $0.25\Omega$ .

Accurate current limit is programmed with a single  $1/8W$  external resistor, with a range of zero to three amperes. A second, fixed internal limit circuit prevents destructive currents if the programming current is accidentally over-ranged. Shutdown of the regulator output is guaranteed when the program current is less than  $1\mu A$ , allowing external logic control of output voltage.

The LT1185 has all the protection features of our previous regulators, including power limiting and thermal shutdown.

## Features

Low Resistance Pass Transistor:  $0.25\Omega$

Dropout Voltage: 0.75V at 3A

Accurate Programmable Current Limit

Shutdown Capability

Internal Reference Available

Full Remote Sense

Low Quiescent Current: 2.5mA

Good High Frequency Ripple Rejection

Available in 5-Lead TO-220 and DD Packages



## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC3440EMS](#)

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[LT4295IUFD#PBF](#)

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