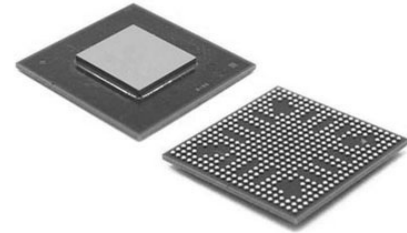


Linear Regulators - Standard 500mA LDO Adjustable Vout

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



Images are for reference only

Please submit RFQ for ADP125ACPZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADP124/ADP125 are low quiescent current, low dropout linear regulators. They are designed to operate from an input voltage between 2.3 V and 5.5 V and to provide up to 500 mA of output current. The low 130 mV dropout voltage at a 500 mA load improves efficiency and allows operation over a wide input voltage range.

The low 210  $\mu$ A of quiescent current with a 500 mA load makes the ADP124/ADP125 ideal for battery-operated portable equipment. The ADP124 is capable of 31 fixed-output voltages from 1.75 V to 3.3 V. The ADP125 is the adjustable version of the device and allows the output voltage to be set between 0.8 V and 5.0 V by an external voltage divider. The ADP124/ADP125 are specifically designed for stable operation with tiny 1  $\mu$ F ceramic input and output capacitors to meet the requirements of high performance, space constrained applications.

The ADP124/ADP125 have an internal soft start that gives a constant start-up time of 350  $\mu$ s. Short-circuit protection and thermal overload protection circuits prevent damage in adverse conditions. The ADP124/ADP125 are available in an 8-lead exposed paddle MSOP package. When compared with the standard MSOP package, the exposed paddle MSOP package has lower thermal resistance ( $\theta$ JA). The lower thermal resistance package allows the ADP124/ADP125 to meet the needs of a variety of portable applications while minimizing the rise in junction temperature.

## Features

Input voltage supply range: 2.3 V to 5.5 V

500 mA maximum output current

Fixed and adjustable output voltage versions

1% initial accuracy

Up to 31 fixed-output voltage options available from 1.75 V to 3.3 V

Adjustable-output voltage range from 0.8 V to 5.0 V

Very low dropout voltage: 130 mV

Low quiescent current: 45  $\mu$ A

Low shutdown current: <1  $\mu$ A

Excellent PSRR performance: 60 dB at 100 kHz

Excellent load/line transient response

See data sheet for additional features

## Application

Digital camera and audio devices

Portable and battery-powered equipment

Automatic meter reading (AMR) meters

GPS and location management units

Medical instrumentation

Point of load power

## Related Products



### [ADP3336ARMZ-REEL7](#)

Analog Devices, Inc  
MSOP-8



### [ADP3367ARZ](#)

Analog Devices, Inc  
SOIC-8



### [ADP3330ARTZ3.3-RL7](#)

Analog Devices, Inc  
SOT-23-6



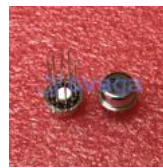
### [ADR421ARZ](#)

Analog Devices, Inc  
SOP-8



### [AD737JRZ](#)

Analog Devices, Inc  
SOP-8



### [AD636JH](#)

Analog Devices, Inc  
TO-100-10



### [ADR434BRZ](#)

Analog Devices, Inc  
SOIC-8



### [ADR3412ARJZ-R7](#)

Analog Devices, Inc  
SOT-23-6