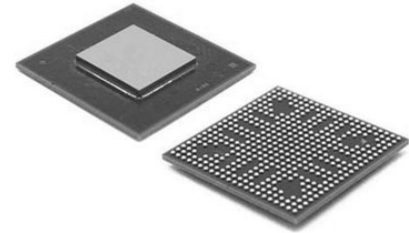


Linear Regulators - Standard Dual 300mA LDO Adj Vout w/QOD

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 ADP225ACPZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The 300 mA, adjustable dual output ADP223/ADP225 and fixed dual output ADP222/ADP224 combine high PSRR, low noise, low quiescent current, and low dropout voltage in a voltage regulator that is ideally suited for wireless applications with demanding performance and board space requirements.

The low quiescent current, low dropout voltage, and wide input voltage range of the ADP222/ADP223/ADP224/ADP225 extend the battery life of portable devices.

The ADP222/ADP223/ADP224/ADP225 maintain power supply rejection greater than 60 dB for frequencies as high as 100 kHz while operating with a low headroom voltage. The ADP222/ADP223/ADP224/ADP225 offer much lower noise performance than competing LDOs without the need for a noise bypass capacitor. Overcurrent and thermal protection circuitry prevent damage in adverse conditions.

The ADP224 and ADP225 are identical to the ADP222 and ADP223, respectively, but with the addition of a quick output discharge (QOD) feature.

The ADP222/ADP223/ADP224/ADP225 are available in a small 8-lead, 2 mm x 2 mm LFCSP package and are stable with tiny 1  $\mu$ F,  $\pm$ 30% ceramic output capacitors, resulting in the smallest possible board area for a wide variety of portable power needs.

### APPLICATIONS

Mobile phones

Digital camera and audio devices

Portable and battery-powered equipment

Portable medical devices

Post dc-to-dc regulation

## Features

Input voltage range: 2.5 V to 5.5 V

Small, 8-lead, 2 mm x 2 mm LFCSP package

Initial accuracy:  $\pm 1\%$

High PSRR: 70 dB at 10 kHz, 60 dB at 100 kHz, 40 dB at 1 MHz

Low noise: 27  $\mu\text{V}$  rms at = 2.8 V

Excellent transient response

Low dropout voltage: 170 mV at 300 mA load

65  $\mu\text{A}$  typical ground current at no load, both LDOs enabled

Quick output discharge (QOD) - ADP224/ADP225

Overcurrent and thermal protection

## Application

Mobile phones

Digital camera and audio devices

Portable and battery-powered equipment

Portable medical devices

Post dc-to-dc regulation

## Related Products



### [ADP3336ARMZ-REEL7](#)

Analog Devices, Inc  
MSOP-8



### [ADP3367ARZ](#)

Analog Devices, Inc  
SOIC-8



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

Analog Devices, Inc  
SOT-23-6



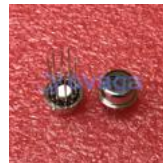
### [ADR421ARZ](#)

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