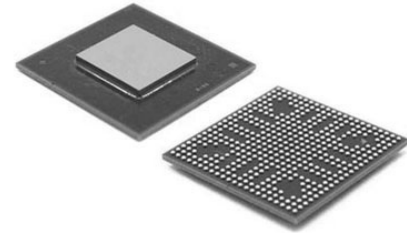


Linear Regulators - Standard 300mA LDO Adjustable Vout

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP-6
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADP123ACPZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADP122/ADP123 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 300 mA of output current. The low 85 mV dropout voltage at a 300 mA load improves efficiency and allows operation over a wide input voltage range.

The low 170 μ A of quiescent current at full load makes the ADP122 ideal for battery-operated portable equipment.

The ADP122 is capable of 31 fixed output voltages from 1.75 V to 3.3 V. The ADP123 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 ADP122/ADP123 are specifically designed for stable operation with tiny 1 μ F ceramic input and output capacitors to meet the requirements of high performance, space constrained applications.

The ADP122/ADP123 have an internal soft start that gives a constant start-up time of 350 μ s. Short-circuit protection and thermal overload protection circuits prevent damage in adverse conditions. The ADP122/ADP123 are available in a tiny, 5-lead TSOT package and 6-lead LFCSP package for the smallest footprint solution to meet a variety of portable applications.

Features

Input voltage supply range:

2.3 V to 5.5 V

300 mA maximum output current

Fixed and adjustable output voltage versions

Very low dropout voltage:

85 mV at 300 mA load

45 μ A at no load

Low shutdown current: $<1 \mu$ A

Initial accuracy: $\pm 1\%$ accuracy

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-sale equipment

Related Products



[ADP3336ARMZ-REEL7](#)

Analog Devices, Inc
MSOP-8



[ADP3367ARZ](#)

Analog Devices, Inc
SOIC-8



[ADP3330ARTZ3.3-RL7](#)

Analog Devices, Inc
SOT-23-6



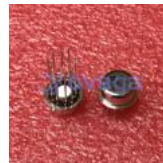
[ADR421ARZ](#)

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