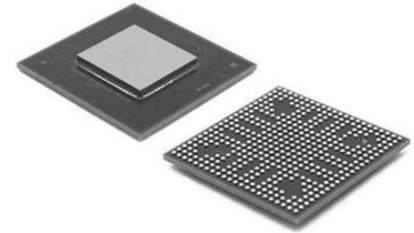


LDO, ADJ O/P, 0.75-3.3V, 0.8A, LFCSP-16, Output Type:Adjustable, Input Voltage Min:1.6V, Input Voltage Max:3.6V, Adjustable Output Voltage Min:750mV, Adjustable Output Voltage Max:3.3V

Manufacturers	Analog Devices, Inc
Package/Case	LFCSP-16
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADP1753ACPZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADP1752/ADP1753 are CMOS, low dropout linear regulators that operate from 1.6 V to 3.6 V and provide up to 800mA of output current. These low V_{in} / V_{out} LDOs are ideal for regulation of nanometer FPGA geometries operating from 2.5V down to 1.8V I/O rails, and powering core voltages down to 0.75V. Using an advanced proprietary architecture, they provide high power supply rejection, low noise, and achieve excellent line and load transient response with a small 4.7 μ F ceramic output capacitor. The ADP1752 is available in 7 fixed output voltage options. The ADP1753 is available in an adjustable version, which allows output voltages that range from 0.75 V to 3.0 V via an external divider. The ADP1752/ADP1753 allows an external soft start capacitor to be connected to program the start-up. A power good output allows power system monitors to digitally check the health of the output power rail voltage.

The ADP1752/ADP1753 are available in a 16-lead, 4 mm \times 4 mm LFCSP, making them not only very compact solutions, but also providing excellent thermal performance for applications requiring up to 800mA of output current in a small, low profile footprint.

Features

Maximum output current: 0.8 A

Input voltage range: 1.6 V to 3.6 V

Low shutdown current: $<2 \mu\text{A}$

Very low dropout voltage: 70 mV @ 0.8 A load

Initial accuracy: $\pm 1\%$

Accuracy over line, load, and temperature: $\pm 2\%$

7 fixed output voltage options with soft start 0.75 V to 2.5 V ()

Adjustable output voltage option with soft start 0.75 V to 3.0 V (ADP1753)

High PSRR(See data sheet for details)

23 μV rms at 0.75 V output

Stable with small 4.7 μF ceramic output capacitor

Excellent load and line transient response

Application

Server computers

Memory components

Telecommunications equipment

Network equipment

DSP/FPGA/microprocessor supplies

Instrumentation equipment/data acquisition systems

Related Products



[ADP3336ARMZ-REEL7](#)

Analog Devices, Inc
MSOP-8



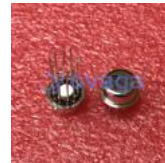
[AD737JRZ](#)

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Analog Devices, Inc
SOIC-8



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TO-100-10



[ADP3330ARTZ3.3-RL7](#)

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SOT-23-6