

Low Dropout Regulators - LDO 1.0A LDO Adjustable Vout

Manufacturers	Analog Devices, Inc
Package/Case	SOP8
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for ADP1708ARDZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADP1706/ADP1707 are available in 16 fixed output volt-age options. The ADP1708 is available in an adjustable version, which allows output voltages that range from 0.8 V to 5.0 V via an external divider. The ADP1706 allows an external soft start capacitor to be connected to program the start-up time; the ADP1707 and ADP1708 contain internal soft start capacitors that give a typical start-up time of 100 μ s. The ADP1707 includes a tracking feature that allows the output to follow an external voltage rail or reference.

The ADP1706/ADP1707/ADP1708 are available in an 8-lead, exposed paddle SOIC package and an 8-lead, 3 mm \times 3 mm exposed paddle LFCSP, making them not only very compact solutions but also providing excellent thermal performance for applications requiring up to 1 A of output current in a small, low profile footprint.

Features

Maximum output current: 1 A

Input voltage range: 2.5 V to 5.5 V

Low shutdown current: <1 μ A

Low dropout voltage: 345 mV @ 1 A load

Initial accuracy: $\pm 1\%$

Accuracy over line, load, and temperature: $\pm 2.5\%$

16 fixed output voltage options with soft start: 0.75 V to 3.3 V (ADP1706)

16 fixed output voltage options with tracking 0.75 V to 3.3 V (ADP1707)

Adjustable output voltage option: 0.8 V to 5.0 V (ADP1708)

Stable with small 4.7 μ F ceramic output capacitor

Excellent load/line transient response

Current limit and thermal overload protection

Application

Notebook computers

Memory components

Telecommunications equipment

Network equipment

DSP/FPGA/microprocessor supplies

Instrumentation equipment/data acquisition systems

Related Products



[ADP3336ARMZ-REEL7](#)

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MSOP-8



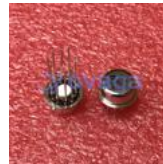
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