

FAN4230

Dual, High Speed, 3V to 12V, Rail-to-Rail Amplifier

Features at $\pm 5V$

- 2.5mA supply current per amplifier
- 120MHz bandwidth
- Output voltage range: 100mV from rails
- Input includes negative rail
- 300V/ μ s slew rate
- ± 80 mA linear output current
- ± 100 mA output short circuit current
- 12nV/ $\sqrt{\text{Hz}}$ input voltage noise
- Competes with AD8052 and LMH6642
- Package options (MSOP-8 and SOIC-8)
- Fully specified at +3V +5V, and $\pm 5V$ supplies

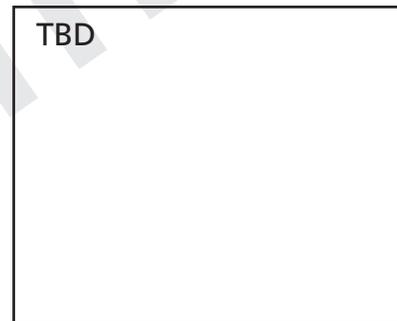
Applications

- A/D driver
- Active filters
- CCD imaging systems
- CD/DVD ROM
- Coaxial cable drivers
- Portable/battery-powered applications
- Twisted pair driver
- Video driver

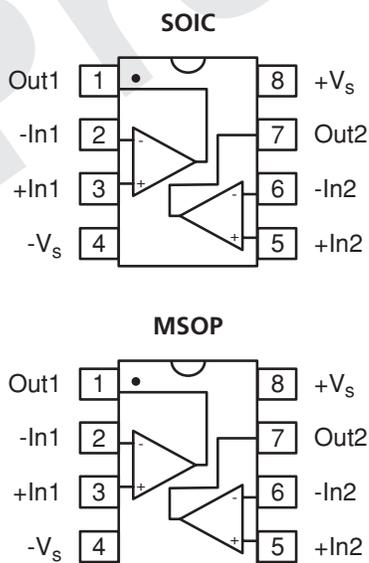
Description

The FAN4230 is a dual, low cost, high performance, voltage feedback amplifier that consumes only 2.5mA of supply current. The FAN4230 is designed to operate from 3V to 12V ($\pm 6V$) supplies. The common mode voltage range extends below the negative rail and the output provides rail-to-rail performance.

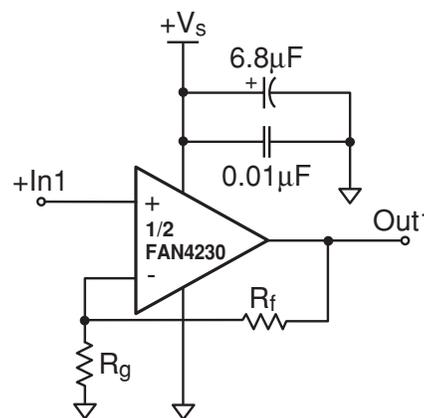
The FAN4230 is designed on a complimentary bipolar process and provides 120MHz of bandwidth and 300V/ μ s of slew rate at a supply voltage of $\pm 5V$. The combination of low power, rail-to-rail performance, low voltage operation, and tiny package options make the FAN4230 well suited for use in many general purpose high speed applications.



Pin Assignments



Typical Application



Ordering Information

Model	Part Number	Package	Container	Pack Qty
FAN4230	FAN4230IMU8	MSOP-8	Partial Reel	<4000
FAN4230	FAN4230IMU8X	MSOP-8	Reel	4000
FAN4230	FAN4230IM8	SOIC-8	Partial Reel	<2500
FAN4230	FAN4230IM8X	SOIC-8	Reel	<2500

Temperature range for all parts: -40°C to +85°C.

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