

# FAN4114

## General Purpose, Low Voltage, Rail-to-Rail Output Amplifier

### Features at +2.7V

- 130µA supply current
- 1MHz gain bandwidth product
- Output voltage range: 0.065V to 2.65V
- Input voltage range: -0.2V to +1.9V
- 1V/µs slew rate
- Competes with LMV321
- Package option (SC70-5)
- Fully specified at +2.7V and +5V supplies

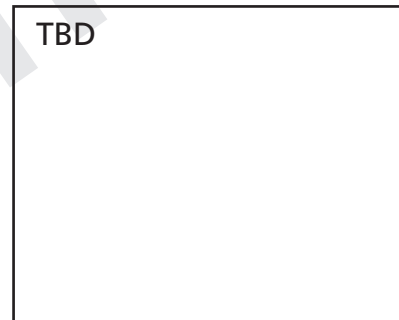
### Applications

- Low cost general purpose applications
- Cellular phones
- Personal data assistants
- A/D buffer
- DSP interface
- Smart card readers
- Portable test instruments
- Keyless entry
- Infrared receivers for remote controls
- Telephone systems
- Audio applications

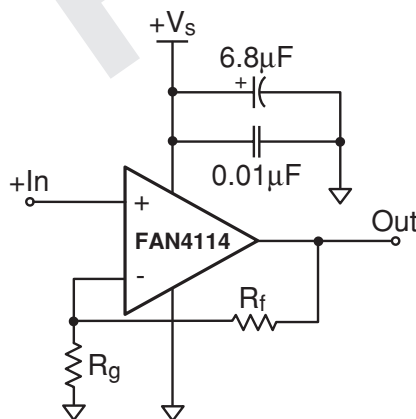
### Description

The FAN4114 is a low cost, voltage feedback amplifier that consumes only 130µA of supply current. The FAN4114 is designed to operate from 2.7V (±1.35V) to 5.5V (±2.75V) supplies. The common mode voltage range extends below the negative rail and the output provides rail-to-rail performance.

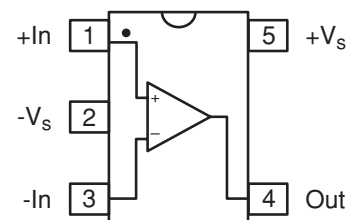
The FAN4114 is designed on a CMOS process and provides 1MHz of bandwidth and 1V/µs of slew rate at a low supply voltage of 2.7V. The combination of low power, rail-to-rail performance, low voltage operation, and tiny package options make the FAN4114 well suited for use in personal electronics equipment such as cellular handsets, pagers, PDAs, and other battery powered applications.



### Typical Application



### Pin Assignments



## Ordering Information

Model	Part Number	Package	Container	Pack Qty
FAN4114	FAN4114IP5	SC70-5	Partial Reel	<3000
FAN4114	FAN4114IP5X	SC70-5	Reel	3000

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

Preliminary

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