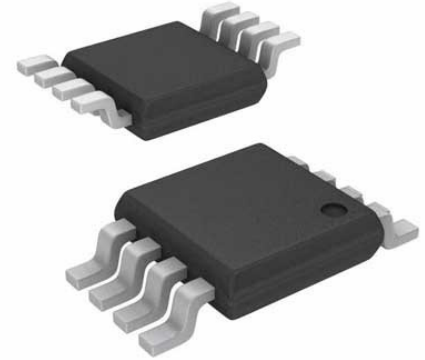


Dual, Ultra Low Cost, RRIO CMOS Amplifier; Package: MSOP; No of Pins: 8; Container: Tape & Reel, Op Amps Ang fg Dual Ultra-Lo R-Rail I/O CMOS AmpB



Images are for reference only

Manufacturers	<a href="#">ON Semiconductor, LLC</a>
Package/Case	MSOP-8
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	

Please submit RFQ for FAN4274IMU8X or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The FAN4174 (single) and FAN4274 (dual) are voltage feedback amplifiers with CMOS inputs that consume only 200  $\mu$ A of supply current per amplifier, while providing  $\pm$ 33 mA of output short-circuit current. These amplifiers are designed to operate 5 V supplies. The common mode voltage range extends beyond the negative and positive rails. The FAN4174 and FAN4274 are designed on a CMOS process and provide 3.7 MHz of bandwidth and 3 V/ $\mu$ s of slew rate at a supply voltage of 5 V. These amplifiers operate and are reliable over a wide temperature range of -40°C to +125°C. The combination of extended temperature operation, low power, rail-to-rail performance, low-voltage operation, and a tiny package optimize this amplifier family for use in many industrial, general-purpose, and battery-powered applications.

## Features

200  $\mu$ A Supply Current per Amplifier

3.7 MHz Bandwidth

Output Swing to Within 10 mV of Either Rail

Input Voltage Range Exceeds the Rails

3 V /  $\mu$ s Slew Rate

25 nV /  $\sqrt{\text{Hz}}$  Input Voltage Noise

Replaces KM4170 and KM4270

FAN4174 Competes with OPA340 and TLV2461; Available in a SOT23-5 Package

FAN4274 Competes with OPA2340 and TLV2462; Available in MSOP-8 Package

Fully Specified at +2.7 V and +5 V Supplies

## Application

ONSEMI

## Related Products



### [FAN4931IP5X](#)

ON Semiconductor, LLC  
SC70-5



### [FAN4852IMU8X](#)

ON Semiconductor, LLC  
MSOP-8



### [TCA0372BDPIG](#)

ON Semiconductor, LLC  
PDIP-8



### [NCV33202VDR2G](#)

ON Semiconductor, LLC  
SOIC-8



### [MC33204DR2G](#)

ON Semiconductor, LLC  
SOIC-14



### [MC34074ADG](#)

ON Semiconductor, LLC  
SOIC-14



### [MC3403DG](#)

ON Semiconductor, LLC  
SOIC-14



### [LM324ADG](#)

ON Semiconductor, LLC  
SOIC-14