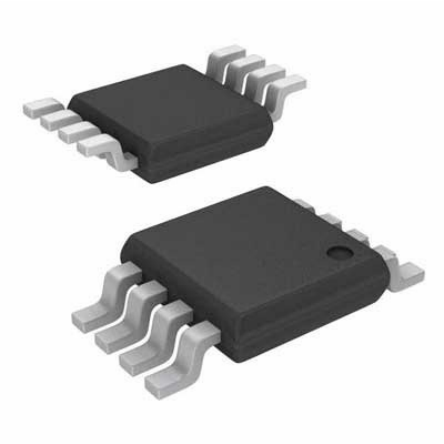
LTC6087CMS8#PBF

Data Sheet

LINEAR TECHNOLOGY LTC6087CMS8#PBF Operational Amplifier, Dual, 2 Amplifier, 14MHz, 7.2V/µs, 2.7V to 5.5V, MSOP, 8Pins

Manufacturers	Analog Devices, Inc
Package/Case	MSOP8
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	



Images are for reference only

Please submit RFQ for LTC6087CMS8#PBF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The LTC6087/LTC6088 are dual/quad, low noise, low offset, rail-to-rail input/output, unity-gain stable CMOS operational amplifiers that feature 1pA of input bias current. A 14MHz gain bandwidth and 7.2V/µs slew rate, combined with low noise (10nV/√Hz) and a low 0.75mV offset, make the LTC6087/LTC6088 useful in a variety of applications. The 1.05mA supply current and the shutdown mode are ideal for signal processing applications which demand performance with minimal power.

The LTC6087/LTC6088 has an output stage which swings within 30mV of either supply rail to maximize signal dynamic range in low supply applications. The input common mode range includes the entire supply voltage. These op amps are specified on power supply voltages of 3V and 5V from –40°C to 125°C.

The dual amplifier LTC6087 is available in 8-lead MSOP and 10-lead DFN packages. The quad amplifier LTC6088 is available in 16-lead SSOP and DFN packages.

Features

Low Offset Voltage: 750µV Maximum

Low Offset Drift: 5µV/°C Maximum

Input Bias Current:

1pA (Typical at 25°C)

Rail-to-Rail Inputs and Outputs

Gain Bandwidth Product: 14MHz

CMRR: 70dB Minimum

PSRR: 93dB Minimum

Input Noise Voltage Density: 12nV/√Hz

Supply Current: 1.05mA per Amp

Shutdown Current: 2.3µA per Amp

2.7V to 5.5V Operation Voltage

Available in 8-Lead MSOP and 10-Lead DFN Packages (LTC6087), 16-Lead SSOP and DFN Packages (LTC6088)

Application

Portable Test Equipment

Medical Equipment

Audio

Data Acquisition

High Impedance Transducer Amplifier

Related Products

LTC1151CSW#PBF

Analog Devices, Inc

SOIC-16

LT1498CS8

Analog Devices, Inc

SOP-8

LTC2053CMS8

Analog Devices, Inc

MSOP8

LTC1150CN8

Analog Devices, Inc

DIP8

LT1491ACS

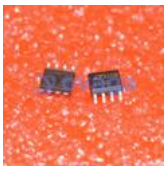
Analog Devices, Inc

SOP14

LT6105IMS8

Analog Devices, Inc

MSOP-8



LTC1150CS8

Analog Devices, Inc

SOP8

LT1013CN8

Analog Devices, Inc

DIP-8