

Precision Amplifiers Quad Micropower Precision R-to-R Output OA

| | |
|---------------|-------------------------------------|
| Manufacturers | Analog Devices, Inc |
| Package/Case | SOP-14 |
| Product Type | Amplifier ICs |
| RoHS | Green |
| Lifecycle | |



Images are for reference only

Please submit RFQ for LT6012AIS#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT6011/LT6012 op amps combine low noise and high precision input performance with low power consumption and rail-to-rail output swing.

Input offset voltage is trimmed to less than 60 μ V. The low drift and excellent long-term stability guarantee a high accuracy over temperature and time. The 300pA maximum input bias current and 120dB minimum voltage gain further maintain this precision over operating conditions.

The LT6011/LT6012 work on any power supply voltage from 2.7V to 36V and draw only 135 μ A of supply current on a 5V supply. The output swings to within 40mV of either supply rail, making the amplifier a good choice for low voltage single supply applications.

The LT6011/LT6012 are specified at 5V and \pm 15V supplies and from -40 $^{\circ}$ C to 85 $^{\circ}$ C. The LT6011 (dual) is available in SO-8 and space saving 3mm x 3mm DFN packages. The LT6012 (quad) is available in SO-14 and 16-pin SSOP packages.

Features

60 μ V Maximum Offset Voltage

300pA Maximum Input Bias Current

135 μ A Supply Current per Amplifier

Rail-to-Rail Output Swing

120dB Minimum Voltage Gain,>

0.8 μ V/ $^{\circ}$ C Maximum VOS Drift

14nV/ $\sqrt{\text{Hz}}$ Input Noise Voltage

2.7V to \pm 18V Supply Voltage Operation

Operating Temperature Range: -40° C to 85° C

Space Saving 3mm x 3mm DFN Package

Application

Thermocouple Amplifiers

Precision Photo Diode Amplifiers

Instrumentation Amplifiers

Battery-Powered Precision Systems

Low Voltage Precision Systems



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



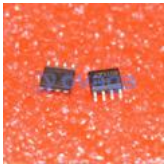
[LT1491ACS](#)

Analog Devices, Inc
SOP14



[LT6105IMS8](#)

Analog Devices, Inc
MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc
SOP8



[LT1013CN8](#)

Analog Devices, Inc
DIP-8