LT1112S8#TRPBF

Data Sheet

IC PREC OP-AMP LOWPWR DUAL 8SOIC

Manufacturers	Analog Devices, Inc
Package/Case	SOP-8
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	

Images are for reference only

Please submit RFQ for LT1112S8#TRPBF or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The LT1112 dual and LT1114 quad op amps achieve a new standard in combining low cost and outstanding precision specifications.

The performance of the selected prime grades matches or exceeds competitive devices. In the design of the LT1112/LT1114 however, particular emphasis has been placed on optimizing performance in the low cost plastic and SO packages. For example, the 75µV maximum offset voltage in these low cost packages is the lowest on any dual or quad non-chopper op amp.

The LT1112/LT1114 also provide a full set of matching specifications, facilitating their use in such matching dependent applications as two and three op amp instrumentation amplifiers.

Another set of specifications is furnished at ±1V supplies. This, combined with the low 320µA supply current per amplifier, allows the LT1112/LT1114 to be powered by two nearly discharged AA cells.

Features

Offset Voltage – Prime Grade: 60µV Max

Offset Voltage – Low Cost Grade(Including Surface Mount Dual/Quad): 75µV Max

Offset Voltage Drift: 0.5µV/°C Max

Input Bias Current: 250pA Max

0.1Hz to 10Hz Noise: 0.3µVP-P, 2.2pAP-P

Supply Current per Amplifier: 400µA Max

CMRR: 120dB Min

Voltage Gain: 1 Million Min

Guaranteed Specs with ±1.0V Supplies

Guaranteed Matching Specifications

SO-8 Package – Standard Pinout

LT1114 in Narrow Surface Mount Package

Application

Picoampere/Microvolt Instrumentation

Two and Three Op Amp Instrumentation Amplifers

Thermocouple and Bridge Amplifiers

Low Frequency Active Filters

Photo Current Amplifiers

Battery-Powered 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](#)

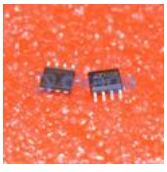
Analog Devices, Inc

SOP14

[LT6105IMS8](#)

Analog Devices, Inc

MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc

SOP8

[LT1013CN8](#)

Analog Devices, Inc

DIP-8