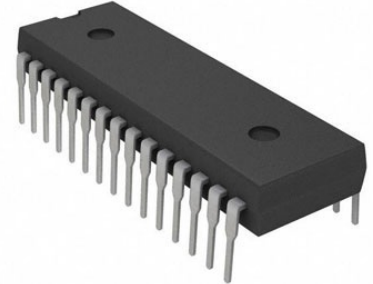


LINEAR TECHNOLOGY LTC1151CN8#PBF Operational Amplifier, Dual, 2 Amplifier, 2MHz, 2.5V/ μ s, 4.75V to 36V, DIP, 8Pins

Manufacturers	Analog Devices, Inc
Package/Case	8-DIP (0.300, 7.62mm)
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1151CN8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1151 is a high voltage, high performance dual zero-drift operational amplifier. The two sample-and-hold capacitors per amplifier required externally by other chopper amplifiers are integrated on-chip. The LTC1151 also incorporates proprietary high voltage CMOS structures which allow operation at up to 36V total supply voltage.

The LTC1151 has a typical offset voltage of 0.5 μ V, drift of 0.01 μ V/ $^{\circ}$ C, 0.1Hz to 10Hz input noise voltage of 1.5mV-P-P, and a typical voltage gain of 140dB. It has a slew rate of 3V/ μ s and a gain-bandwidth product of 2.5MHz with a supply current of 0.9mA per amplifier. Overload recovery times from positive and negative saturation are 3ms and 20ms, respectively.

The LTC1151 is available in a standard 8-lead plastic DIP package as well as a 16-lead wide body SO. The LTC1151 is pin compatible with industry-standard dual op amps and runs from standard \pm 15V supplies, allowing it to plug in to most standard bipolar op amp sockets while offering significant improvement in DC performance.

Features

Maximum Offset Voltage Drift: $0.05\mu\text{V}/^\circ\text{C}$

High Voltage Operation: $\pm 18\text{V}$

No External Components Required

Maximum Offset Voltage: $5\mu\text{V}$

Low Noise: $1.5\mu\text{V}_{\text{P-P}}$ (0.1Hz to 10Hz)

Minimum Voltage Gain: 125dB

Minimum CMRR: 106dB

Minimum PSRR: 110dB

Low Supply Current: 0.9mA/Amplifier

Single Supply Operation: 4.75V to 36V

Input Common-Mode Range Includes Ground

Typical Overload Recovery Time: 20ms

Application

Strain Gauge Amplifiers

Instrumentation Amplifiers

Electronic Scales

Medical Instrumentation

Thermocouple Amplifiers

High Resolution Data Acquisition

Related Products



[LTC1151CSW#PBF](#)

Analog Devices, Inc
SOIC-16



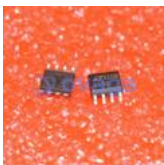
[LTC2053CMS8](#)

Analog Devices, Inc
MSOP8



[LT1491ACS](#)

Analog Devices, Inc
SOP14



[LTC1150CS8](#)

Analog Devices, Inc
SOP8



[LT1498CS8](#)

Analog Devices, Inc
SOP-8



[LTC1150CN8](#)

Analog Devices, Inc
DIP8



[LT6105IMS8](#)

Analog Devices, Inc
MSOP-8



[LT1013CN8](#)

Analog Devices, Inc
DIP-8