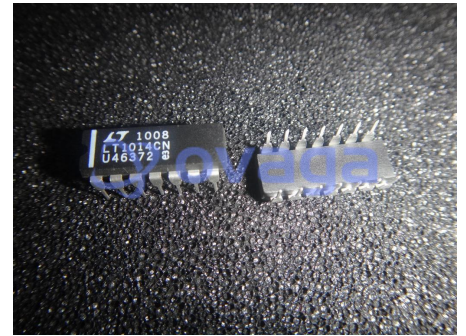


LINEAR TECHNOLOGY LT1014CN#PBF Operational Amplifier, Quad, 4 Amplifier, 800kHz, 0.4V/ $\mu$ s, 4V to 44V, DIP, 14Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	PDIP-14
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1014CN#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT1014, LT1014A, and LT1014D are quad precision operational amplifiers with 14-pin industry-standard configuration. They feature low offset-voltage temperature coefficient, high gain, low supply current, and low noise.

The LT1014, LT1014A, and LT1014D can be operated with both dual  $\pm 15$ -V and single 5-V power supplies. The common-mode input voltage range includes ground, and the output voltage can also swing to within a few millivolts of ground. Crossover distortion is eliminated.

The LT1014C and LT1014D are characterized for operation from 0°C to 70°C. The LT1014I and LT1014DI are characterized for operation from -40°C to 105°C. The LT1014M, LT1014AM and LT1014DM are characterized for operation over the full military temperature range of -55°C to 125°C.

## Features

Single-Supply Operation:

Input Voltage Range Extends to Ground, and

Output Swings to Ground While Sinking Current

Input Offset Voltage 300  $\mu$ V Max at 25°C for LT1014

Offset Voltage Temperature Coefficient

2.5  $\mu$ V/°C Max for LT1014

Input Offset Current 1.5 nA Max at 25°C for LT1014

High Gain 1.2 V/ $\mu$ V Min>Min>

Low Supply Current 2.2 mA Max at 25°C for LT 1014

Low Peak-to-Peak Noise Voltage 0.55  $\mu$ V Typ

Low Current Noise 0.07 pA/Hz Typ

## Application

Battery-Powered Precision Instrumentation

Strain Gauge Signal Conditioners

Thermocouple Amplifiers

Instrumentation Amplifiers

4mA to 20mA Current Loop Transmitters

Multiple Limit Threshold Detection

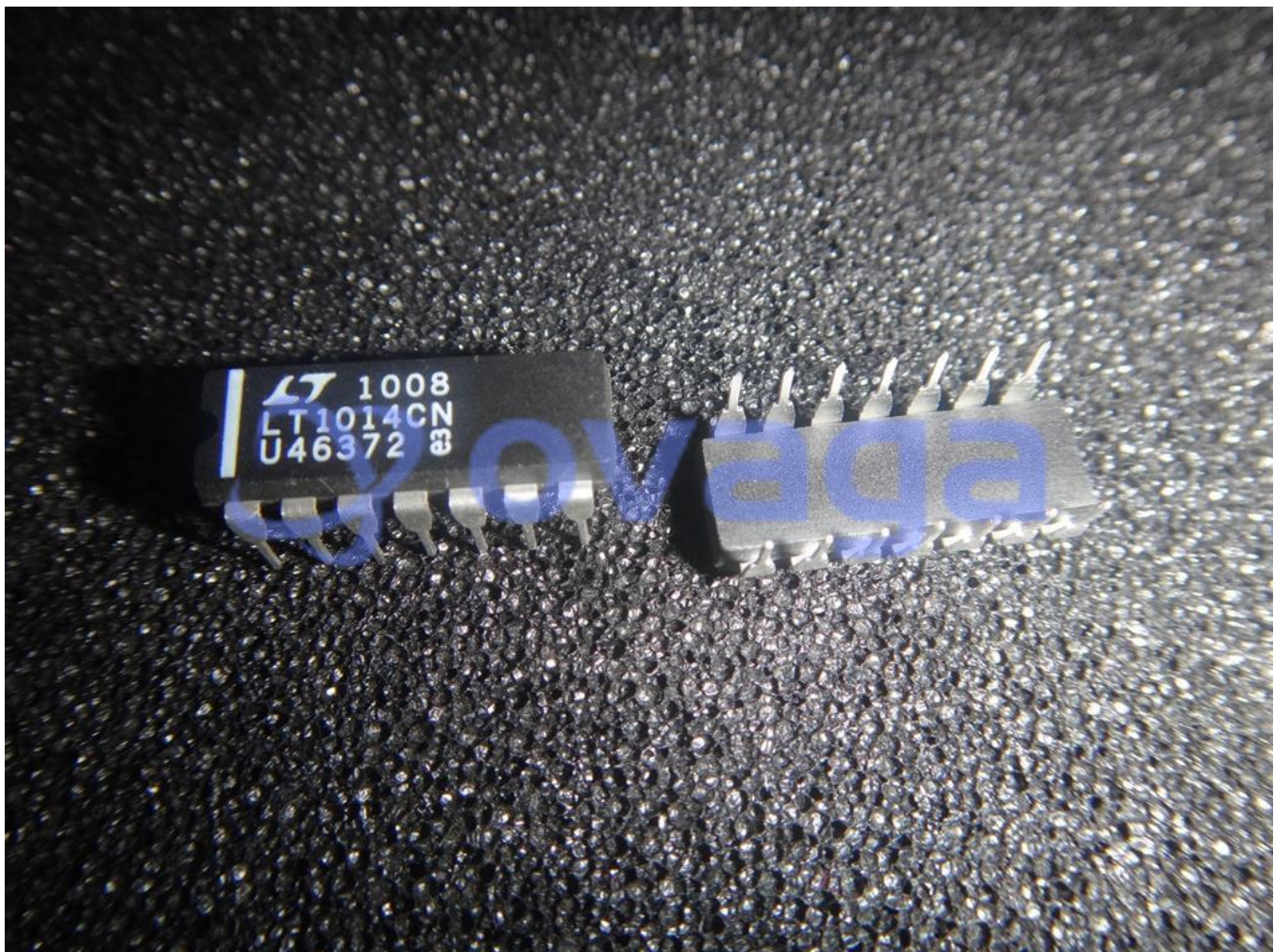
Active Filters

Multiple Gain Blocks

Strain Gauge Signal Conditioners

Thermocouple Amplifiers

Instrumentation Amplifiers





## Related Products



### [LT1151CSW#PBF](#)

Analog Devices, Inc  
SOIC-16



### [LT1498CS8](#)

Analog Devices, Inc  
SOP-8



### [LTC2053CMS8](#)

Analog Devices, Inc  
MSOP8



### [LTC1150CN8](#)

Analog Devices, Inc  
DIP8



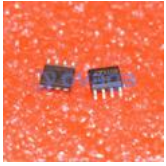
### [LT1491ACS](#)

Analog Devices, Inc  
SOP14



### [LT6105IMS8](#)

Analog Devices, Inc  
MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc  
SOP8



[LT1013CN8](#)

Analog Devices, Inc  
DIP-8