

LT1013 - Dual Precision Op Amp; Package: SO; Pins: 8; Temperature Range: -40°C to 85°C

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP8
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT1013IS8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

LT1013IS8 is a specific model of operational amplifier (op-amp) integrated circuit (IC) manufactured by Linear Technology, now part of Analog Devices. It comes in an 8-pin SOIC (Small Outline Integrated Circuit) package.

## Features

**Dual operational amplifier:** It consists of two independent op-amps in a single IC package.

**Low offset voltage:** The input offset voltage is typically as low as 200  $\mu$ V, which makes it suitable for precision applications.

**Low input bias current:** The input bias current is typically as low as 50 nA, making it ideal for applications where high input impedance is required.

**Wide supply voltage range:** LT1013IS8 can operate with a wide supply voltage range of  $\pm 2.5$  V to  $\pm 18$  V, making it suitable for a variety of applications.

**High open-loop gain:** The open-loop voltage gain is typically 1 million, allowing for precise signal amplification.

## Application

**Signal conditioning:** LT1013IS8 can be used for conditioning analog signals in applications such as sensor interfaces, data acquisition systems, and instrumentation.

**Active filters:** It can be used in active filter circuits such as low-pass, high-pass, band-pass, and band-stop filters.

**Voltage amplification:** LT1013IS8 can be used as a voltage amplifier in various applications where precise signal amplification is required.

**Comparators:** It can be used as a comparator to compare two input voltages and provide a digital output based on the comparison.





## Related Products



### [LTC1151CSW#PBF](#)

Analog Devices, Inc  
SOIC-16



### [LT1498CS8](#)

Analog Devices, Inc  
SOP-8



### [LTC2053CMS8](#)

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### [LTC1150CN8](#)

Analog Devices, Inc  
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### [LT1491ACS](#)

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### [LT6105IMS8](#)

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### [LTC1150CS8](#)

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### [LT1013CN8](#)

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DIP-8