

Operational Amplifier, Dual, 2 Amplifier, 5 MHz, 14 V/ $\mu$ s,  $\pm 10V$  to  $\pm 18V$ , SOIC, 8 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1057S8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LT<sup>®</sup>1057 is a matched JFET input dual op amp in the industry standard 8-pin configuration, featuring a combination of outstanding high speed and precision specifications. It replaces all the popular bipolar and JFET input dual opamps. In particular, the LT1057 upgrades the performance of systems using the LF412A and OP-215 JFET input duals.

The LT1058 is the lowest offset quad JFET input operational amplifier in the standard 14-pin configuration. It offers significant accuracy improvement over presently available JFET input quad operational amplifiers. The LT1058 can replace four single precision JFET input op amps, while saving board space, power dissipation and cost.

Both the LT1057 and LT1058 are available in the plastic PDIP package and the surface mount SO package.

## Features

14V/ $\mu$ s Slew Rate: 10V/ $\mu$ s Min.

5MHz Gain-Bandwidth Product

Fast Settling Time: 1.3 $\mu$ s to 0.02%

150 $\mu$ V Offset Voltage (LT1057): 450 $\mu$ V Max.

180 $\mu$ V Offset Voltage (LT1058): 600 $\mu$ V Max.

2 $\mu$ V/ $^{\circ}$ C VOS Drift: 7 $\mu$ V/ $^{\circ}$ C Max.

50pA Bias Current at 70 $^{\circ}$ C

Low Voltage Noise:

13nV/ $\sqrt{\text{Hz}}$  at 1kHz

26nV/ $\sqrt{\text{Hz}}$  at 10Hz

## Application

Precision, High Speed Instrumentation

Fast, Precision Sample-and-Hold

Logarithmic Amplifiers

D/A Output Amplifiers

Photodiode Amplifiers

Voltage-to-Frequency Converters

Frequency-to-Voltage Converters

## Related Products



### [LTIC1151CSW#PBF](#)

Analog Devices, Inc  
SOIC-16



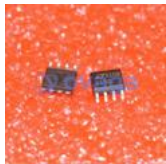
### [LTC2053CMS8](#)

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

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SOP14



### [LTC1150CS8](#)

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### [LT1498CS8](#)

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### [LTC1150CN8](#)

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DIP8



### [LT6105IMS8](#)

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### [LT1013CN8](#)

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