

Micropower, Single Supply, Precision Op Amp; Package: SO; No of 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 LT1077IS8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

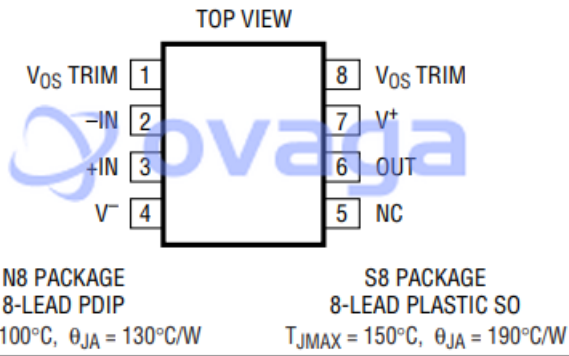
LT1077IS8 is a high-precision, low-noise operational amplifier manufactured by Linear Technology (now part of Analog Devices). It is an 8-pin SOIC package IC with a wide operating voltage range of  $\pm 3V$  to  $\pm 18V$  and a low input offset voltage of  $40 \mu V$ .

### Features

- Low input offset voltage:  $40 \mu V$  (maximum)
- Low input bias current:  $25 \text{ nA}$  (maximum)
- Low input noise voltage:  $2.5 \text{ nV}/\sqrt{\text{Hz}}$  (typical)
- Low supply current:  $550 \mu A$  (typical)
- Wide bandwidth:  $3 \text{ MHz}$  (typical)

### Application

- High-precision data acquisition systems
- Sensor signal conditioning
- Active filters
- Oscillator circuits
- Audio preamplifiers
- Voltage regulators
- Battery-powered instrumentation



**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



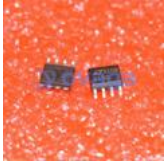
[LT1491ACS](#)

Analog Devices, Inc  
SOP14



[LT6105IMS8](#)

Analog Devices, Inc  
MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc  
SOP8



[LT1013CN8](#)

Analog Devices, Inc  
DIP-8