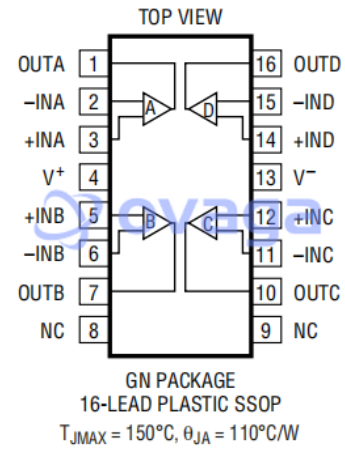


Lead Acid Rectangular 6V 3Ah Secondary

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SSOP-16
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC6079CGN#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC6078/LTC6079 are dual/quad, low offset, low noise operational amplifiers with low power consumption and rail-to-rail input/output swing.

Input offset voltage is trimmed to less than 25 $\mu$ V and the CMOS inputs draw less than 50pA of bias current. The low offset drift, excellent CMRR, and high voltage gain make it a good choice for precision signal conditioning.

Each amplifier draws only 54 $\mu$ A current on a 3V supply. The micropower, rail-to-rail operation of the LTC6078/LTC6079 is well suited for portable instruments and single supply applications.

The LTC6078/LTC6079 are specified on power supply voltages of 3V and 5V from -40 to 125°C. The dual amplifier LTC6078 is available in 8-lead MSOP and 10-lead DFN packages. The quad amplifier LTC6079 is available in 16-lead SSOP and DFN packages.

## Features

Maximum Offset Voltage of  $25\mu\text{V}$  ( $25^\circ\text{C}$ )

Maximum Offset Drift of  $0.7\mu\text{V}/^\circ\text{C}$

Maximum Input Bias:

$1\text{pA}$  ( $25^\circ\text{C}$ )

$50\text{pA}$  ( $\leq 85^\circ\text{C}$ )

Micropower:  $54\mu\text{A}$  per Amp

$95\text{dB}$  CMRR (Min)

$100\text{dB}$  PSRR (Min)

Input Noise Voltage:  $16\text{nV}/\sqrt{\text{Hz}}$

Rail-to-Rail Inputs and Outputs

$2.7\text{V}$  to  $5.5\text{V}$  Operation Voltage

LTC6078 Available in 8-Lead MSOP and 10-Lead DFN Packages; LTC6079 Available in 16-Lead SSOP and DFN Packages

## Application

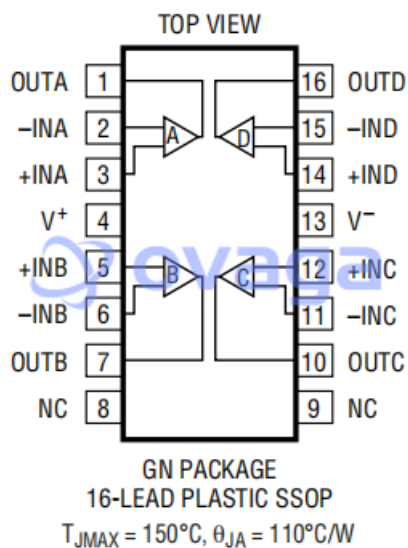
Photodiode Amplifier

High Impedance Sensor Amplifier

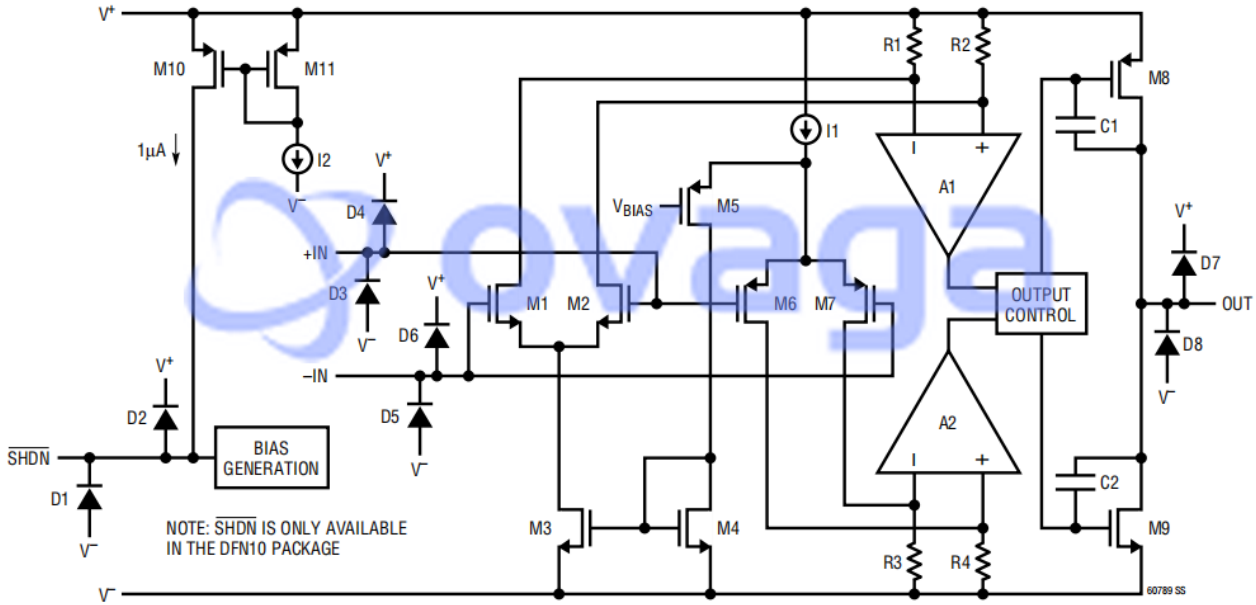
Microvolt Accuracy Threshold  
Detection

Instrumentation Amplifiers

Battery Powered Applications



# SIMPLIFIED SCHEMATIC



Simplified Schematic of the Amplifier

## 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



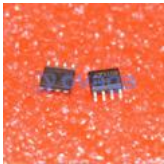
[LT1491ACS](#)

Analog Devices, Inc  
SOP14



[LT6105IMS8](#)

Analog Devices, Inc  
MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc  
SOP8



[LT1013CN8](#)

Analog Devices, Inc  
DIP-8