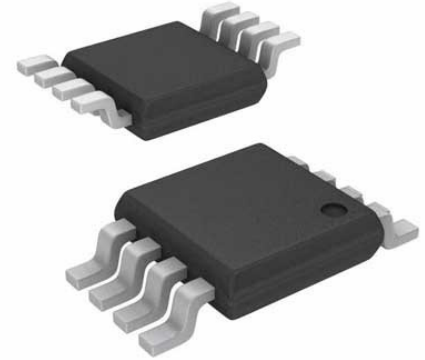


Rail-to-Rail Input and Output, Instrumentation Amplifier; Package: MSOP; No of Pins: 8;  
Temperature Range: -40° to +125°C



Images are for reference only

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	MSOP8
Product Type	Amplifier ICs
RoHS	Green
Lifecycle	

Please submit RFQ for LTC6800HMS8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC6800 is a precision instrumentation amplifier. The CMRR is typically 116dB with a single 5V supply and is independent of gain. The input offset voltage is guaranteed below 100 $\mu$ V with a temperature drift of less than 250nV/°C. The LTC6800 is easy to use; the gain is adjustable with two external resistors, like a traditional op amp.

The LTC6800 uses charge balanced sampled data techniques to convert a differential input voltage into a single ended signal that is in turn amplified by a zero-drift operational amplifier.

The differential inputs operate from rail-to-rail and the single ended output swings from rail-to-rail. The LTC6800 is available in an MS8 surface mount package. For space limited applications, the LTC6800 is available in a 3mm  $\times$  3mm  $\times$  0.8mm dual fine pitch leadless package (DFN).

## Features

116dB CMRR Independent of Gain

Maximum Offset Voltage: 100 $\mu$ V

Maximum Offset Voltage Drift: 250nV/°C

Rail-to-Rail Input Range

Rail-to-Rail Output Swing

Supply Operation: 2.7V to 5.5V

Available in MS8 and 3mm  $\times$  3mm  $\times$  0.8mm DFN Packages

## Application

Thermocouple Amplifiers

Electronic Scales

Medical Instrumentation

Strain Gauge Amplifiers

High Resolution Data Acquisition

## Related Products



### [LTC1151CSW#PBF](#)

Analog Devices, Inc  
SOIC-16



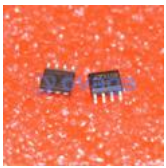
### [LTC2053CMS8](#)

Analog Devices, Inc  
MSOP8



### [LT1491ACS](#)

Analog Devices, Inc  
SOP14



### [LTC1150CS8](#)

Analog Devices, Inc  
SOP8



### [LT1498CS8](#)

Analog Devices, Inc  
SOP-8



### [LTC1150CN8](#)

Analog Devices, Inc  
DIP8



### [LT6105IMS8](#)

Analog Devices, Inc  
MSOP-8



### [LT1013CN8](#)

Analog Devices, Inc  
DIP-8