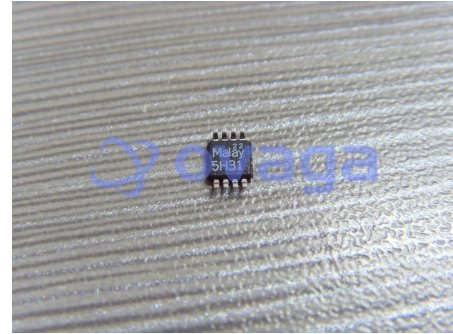


Precision, High Side Current Sense Amplifiers

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Amplifier ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT1787IMS8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LT1787IMS8 is a specific integrated circuit (IC) made by Linear Technology/Analog Devices. It is a precision, low-power, low-voltage difference amplifier with a maximum input voltage range of $\pm 350\text{mV}$ and a gain of 1. It is commonly used in applications that require accurate measurement of small signals, such as temperature sensors, strain gauges, and other types of sensors.

Features

Low voltage and low power consumption: The LT1787IMS8 operates on a supply voltage range of 2.7V to 36V and has a quiescent current of just $40\mu\text{A}$.

High accuracy: The device has a typical input offset voltage of just $10\mu\text{V}$ and a maximum input offset voltage of $80\mu\text{V}$ over the full operating temperature range (-40°C to 125°C).

High common mode rejection ratio (CMRR): The CMRR of the LT1787IMS8 is typically 110dB, which allows it to reject common mode noise and interference.

Application

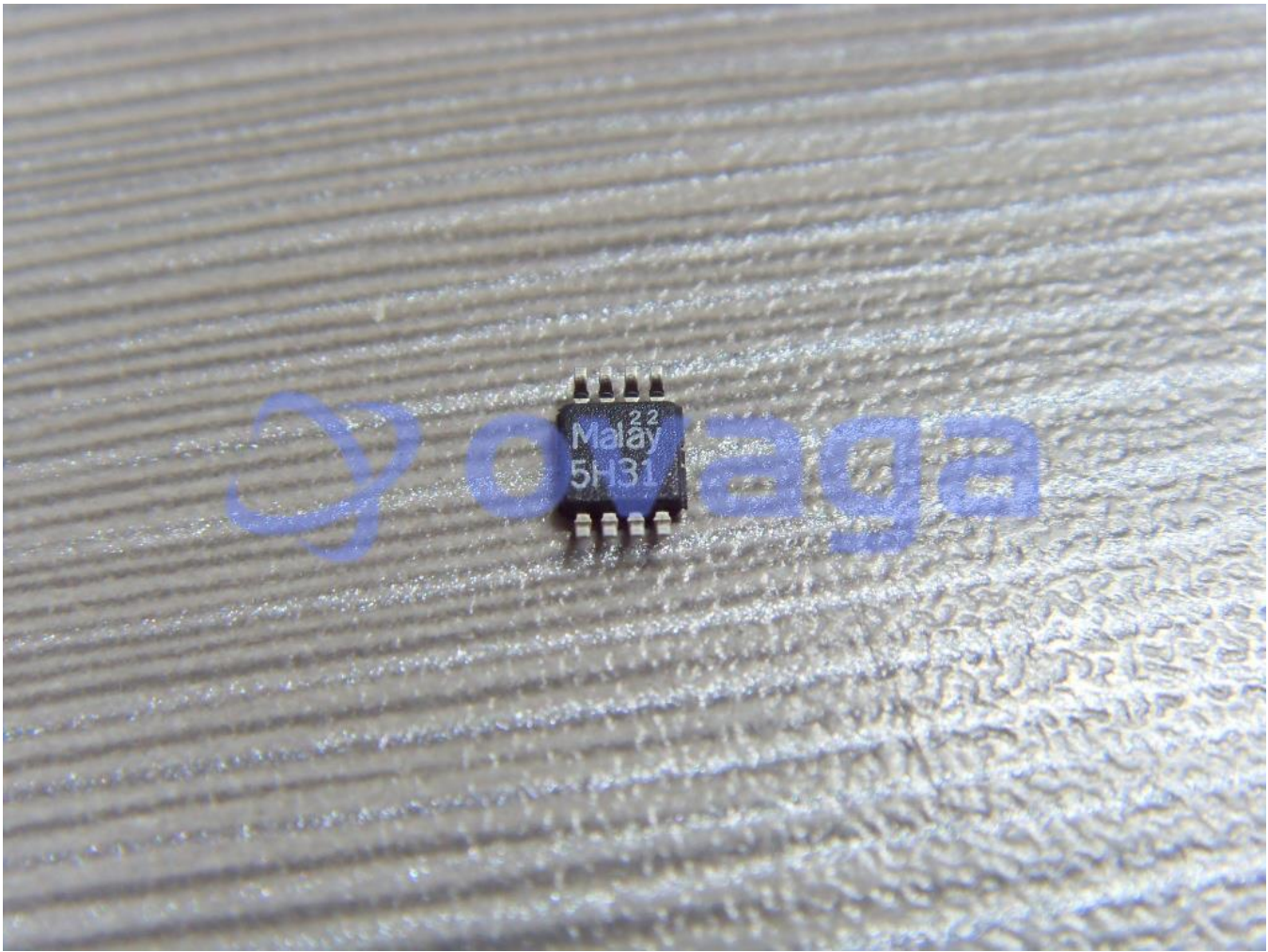
Signal conditioning for low-level sensors and transducers

Temperature measurement and control

Bridge amplifiers and strain gauge amplifiers

Current sensing and shunt resistor amplifiers

Battery monitoring and management



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



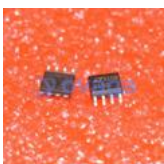
[LT1491ACS](#)

Analog Devices, Inc
SOP14



[LT6105IMS8](#)

Analog Devices, Inc
MSOP-8



[LTC1150CS8](#)

Analog Devices, Inc
SOP8



[LT1013CN8](#)

Analog Devices, Inc
DIP-8