

Manufacturers	Analog Devices, Inc
Package/Case	MSOP10
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC4151IMS or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

LTC4151IMS is an integrated circuit (IC) produced by Linear Technology, which is now part of Analog Devices. The LTC4151IMS is a high-precision current sense amplifier with an onboard precision voltage reference. This device is capable of measuring the current flowing through a shunt resistor and calculating the power consumption in a system.

Features

- Wide input voltage range of 7V to 80V
- Precision voltage reference with $\pm 0.5\%$ accuracy over temperature
- Measures current with $\pm 1\%$ accuracy
- Operates over a temperature range of -40°C to 85°C
- I2C interface for communication with a microcontroller
- Integrated power-on reset

Application

- Battery monitoring and management
- Power supply monitoring and control
- DC/DC converter current sensing
- Solar panel power tracking
- Energy harvesting



Related Products



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Analog Devices, Inc
TO-263



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