

LTC4151IMS

Data Sheet

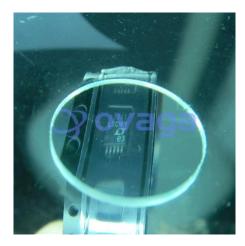
Manufacturers Analog Devices, Inc

Package/Case MSOP10

Product Type Integrated Circuits (ICs)

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for LTC4151IMS or <u>Emailto:sales@ovaga.com</u> 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 highprecision 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 Application

Wide input voltage range of 7V to 80V Battery monitoring and management

Precision voltage reference with $\pm 0.5\%$ accuracy over temperature Power supply monitoring and control

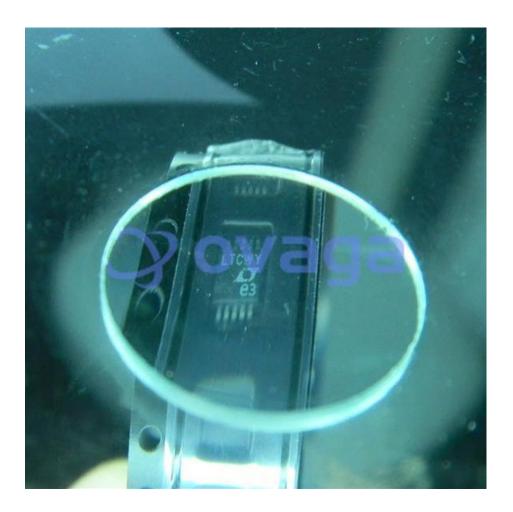
Measures current with $\pm 1\%$ accuracy DC/DC converter current sensing

Operates over a temperature range of -40°C to 85°C Solar panel power tracking

I2C interface for communication with a microcontroller

Integrated power-on reset

Energy harvesting



Related Products



LT3015EQ

Analog Devices, Inc TO-263



LTC4357HMS8

Analog Devices, Inc MSOP-8



LT5560EDD

Analog Devices, Inc QFN-8



LT1764AEFE

Analog Devices, Inc TSSOP1



LTC2990IMS

Analog Devices, Inc MSOP-10



LT1964ES5-SD#PBF

Analog Devices, Inc TSOT23



LT1963AES8

Analog Devices, Inc SOP-8



LT1764EQ

Analog Devices, Inc TO-263