



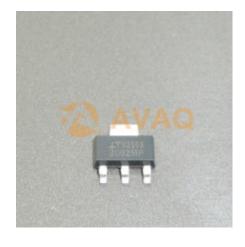
Adjustable Current Source 4-Pin(3+Tab) SOT-223 Tube

Manufacturer: Analog Devices, Inc

Package/Case: SOT223

Product Type: Power Management ICs

Lifecycle: Obsolete



Images are for reference only

GND Referred Current Source



General Description

The LT3092 is a programmable 2-terminal current source. It requires only two resistors to set an output current between 0.5mA and 200mA. A multitude of analog techniques lend themselves to actively programming the output current. The LT3092 is stable without input and output capacitors, offering high DC and AC impedance. This feature allows operation in intrinsically safe applications.

The SET pin features 1% initial accuracy and low temperature coefficient. Current regulation is better than 10ppm/V from 1.5V to 40V.

The LT3092 can operate in a 2-terminal current source configuration in series with signal lines. It is ideal for driving sensors, remote supplies, and as a precision current limiter for local supplies.

Internal protection circuitry includes reverse-battery and reverse-current protection, current limiting and thermal limiting. The LT3092 is offered in the 8-lead TSOT-23, 3-lead SOT-223 and 8-lead $3 \text{mm} \times 3 \text{mm}$ DFN packages.

Key Features	Application
--------------	-------------

Programmable 2-Terminal Current Source 2-Terminal Floating Current Source

Maximum Output Current: 200mA

Wide Input Voltage Range: 1.2V to 40V

Variable Current Source Input/Output Capacitors Not Required

Resistor Ratio Sets Output Current

In-Line Limiter

Initial Set Pin Current Accuracy: 1% Intrinsic Safety Circuits

Reverse-Voltage Protection

Reverse-Current Protection

Current Limit and Thermal Shutdown Protection

Available in 8-Lead SOT-23, 3-Lead SOT-223 and 8-Lead 3mm × 3mm DFN Packages



Recommended For You

LTC4412ES6

Analog Devices, Inc

SOT23-6

LTC1530IS8

Analog Devices, Inc

SOP8

LTC4412ES6#TRPBF

Analog Devices, Inc

SOT23-6

LTC4416EMS#PBF

Analog Devices, Inc

MSOP10

LTC4413EDD

Analog Devices, Inc

DFN10

LTC4259ACGW-1

Analog Devices, Inc

SSOP36

LTC4252-21MS

Analog Devices, Inc

MSOP10

LTC2942CDCB#TRMPBF

Analog Devices, Inc

DFN-6

LTC4357IMS8

Analog Devices, Inc

MSOP8

LT3469ETS8#TRMPBF

Analog Devices, Inc

SOT23-8

LTC4259ACGW

Analog Devices, Inc

SSOP36

LTC4412ES6#PBF

Analog Devices, Inc

SOT23-6

LT1054IN8

Analog Devices, Inc

DIP-8

LTC4414IMS8#PBF

Analog Devices, Inc

MSOP8

LTC4412HVIS6

Analog Devices, Inc

SOT23-6