

12 bit Parallel DAC, 24-Pin SSOP

Manufacturers	Analog Devices, Inc
Package/Case	SSOP24
Product Type	Data Conversion ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1450CG#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1450/LTC1450L are complete single supply, rail-to-rail voltage output, 12-bit digital-to-analog converters (DACs) in a 24-pin SSOP or PDIP package. They include an output buffer amplifier, reference and a double buffered parallel digital interface.

The LTC1450 operates from a 4.5V to 5.5V supply. The output can be pin strapped for 4.095V or 2.048V full-scale. It has a 2.048V internal reference.

The LTC1450L operates from a 2.7V to 5.5V supply. The output can be pin strapped for 2.5V or 1.22V full-scale. It has a 1.22V internal reference.

The LTC1450/LTC1450L offer true stand-alone performance. In addition, the reference output, high and low reference inputs and gain setting resistor are brought to pins for maximum flexibility.

Features

Guaranteed Monotonic

Buffered True Rail-to-Rail Voltage Output

12-Bit Resolution

3V Operation (LTC1450L) ICC: 250µA Typ

5V Operation (LTC1450) ICC: 400µA Typ

Parallel 12-Bit or 8 + 4-Bit Double Buffered Digital Input

Internal Reference

Output Buffer Configurable to Gain of 1 or 2

Configurable as a Multiplying DAC

Internal Power-On Reset

Maximum DNL Error: 0.5LSB

Application

Digital Calibration

Industrial Process Control

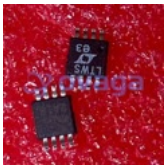
Automatic Test Equipment

Arbitrary Function Generators

Battery-Powered Data Conversion Products

Feedback Control Loops and Gain Control

Related Products



[LTC1860IMS8#PBF](#)

Analog Devices, Inc
MSOP-8



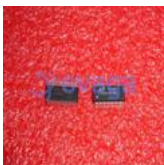
[LT1171CQ](#)

Analog Devices, Inc
TO-263



[LTC2485IDD#PBF](#)

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DFN-10



[LTC2418IGN#PBF](#)

Analog Devices, Inc
SSOP28



[LTC2351IUH-14#PBF](#)

Analog Devices, Inc
QFN-32



[LTC2600CGN#PBF](#)

Analog Devices, Inc
SSOP16



[LTC2642CMS-16#PBF](#)

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10MSOP



[LTC1865AIMS#PBF](#)

Analog Devices, Inc
MSOP-1