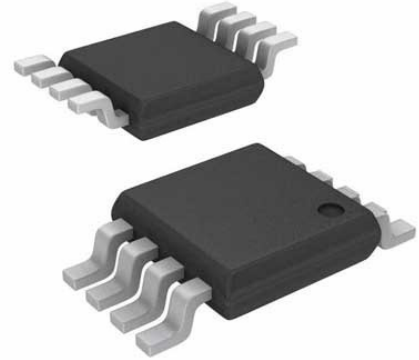


Digital to Analogue Converter, 12 bit, Serial, 2.7V to 5.5V, MSOP, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	MSOP8
Product Type	Data Conversion ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1659IMS8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LTC1659 is a single supply, rail-to-rail voltage output, 12-bit digital-to-analog converter (DAC) in an MSOP package. It includes a rail-to-rail output buffer amplifier and an easy-to-use 3-wire cascadable serial interface.

The LTC1659 output swings from 0V to REF. The REF input can be tied to VCC which can range from 2.7V to 5.5V. This allows a rail-to-rail output swing from 0V to VCC. The LTC1659 draws only 250 μ A from a 5V supply.

Its guaranteed ± 0.5 LSB maximum DNL makes the LTC1659 excel in calibration, control and trim/adjust applications. The low power supply current and the small MSOP package make the LTC1659 ideal for battery-powered applications.

Features

Buffered True Rail-to-Rail Voltage Output

Maximum DNL Error: 0.5LSB

12-Bit Resolution

Supply Operation: 3V to 5V

Output Swings from 0V to VREF

VREF Can Tie to VCC

Schmitt Trigger On Clock Input Allows Direct Optocoupler Interface

Power-On Reset Clears DAC to 0V

3-Wire Cascadable Serial Interface

Low Cost

8-Lead SO and MSOP Packages

Application

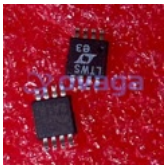
Digital Calibration

Industrial Process Control

Automatic Test Equipment

Cellular Telephones

Related Products



[LTC1860IMS8#PBF](#)

Analog Devices, Inc
MSOP-8



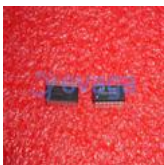
[LT1171CQ](#)

Analog Devices, Inc
TO-263



[LTC2485IDD#PBF](#)

Analog Devices, Inc
DFN-10



[LTC2418IGN#PBF](#)

Analog Devices, Inc
SSOP28



[LTC2351IUH-14#PBF](#)

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QFN-32



[LTC2600CGN#PBF](#)

Analog Devices, Inc
SSOP16



[LTC2642CMS-16#PBF](#)

Analog Devices, Inc
10MSOP



[LTC1865AIMS#PBF](#)

Analog Devices, Inc
MSOP-1