

Voltage Reference, Precision Micropower, Low Dropout, Series - Fixed, LT1461 Series, 5V, NSOIC-8

Manufacturers	Analog Devices, Inc
Package/Case	SOP-8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1461AIS8-5#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1461 is a family of low dropout micropower band-gap references that combine very high accuracy and low drift with low supply current and high output drive. These series references use advanced curvature compensation techniques to obtain low temperature coefficient and trimmed precision thin-film resistors to achieve high output accuracy. The LT1461 family draws only 35 μ A of supply current, making them ideal for low power and portable applications, however their high 50mA output drive makes them suitable for higher power requirements, such as precision regulators.

In low power applications, a dropout voltage of less than 300mV ensures maximum battery life while maintaining full reference performance. Line regulation is nearly immeasurable, while the exceedingly good load and thermal regulation will not add significantly to system error budgets. The shutdown feature can be used to switch full load currents and can be used for system power down. Thermal shutdown protects the part from overload conditions. The LT1461 is available in 2.5V, 3V, 3.3V 4.096V and 5V options.

Applications

Features

Trimmed to High Accuracy: 0.04% Max

Low Drift: 3ppm/°C Max

Low Supply Current: 50µA Max

High Output Current: 50mA Min

Low Dropout Voltage: 300mV Max

Excellent Thermal Regulation

Power Shutdown

Thermal Limiting

All Parts Guaranteed Functional from -40°C to 125°C

Voltage Options: 2.5V, 3V, 3.3V, 4.096V and 5V

AEC-Q100 Qualified for Automotive Applications

Application

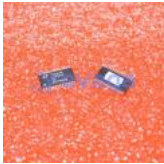
A/D and D/A Converters

Precision Regulators

Handheld Instruments

Power Supplies

Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTM8045EY#PBF](#)

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[LTC3440EMS](#)

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MSOP10



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10MSOP



[LT4295IUFD#PBF](#)

Analog Devices, Inc
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