

V-Ref Precision 2.5V 40mA 8-Pin SOIC N Tube

Manufacturers	Analog Devices, Inc
Package/Case	SOP8
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1460EIS8-2.5#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1460 is a micropower bandgap reference that combines very high accuracy and low drift with low power dissipation and small package size. This series reference uses curvature compensation to obtain low temperature coefficient and trimmed precision thin-film resistors to achieve high output accuracy. The reference will supply up to 20mA with excellent line regulation characteristics, making it ideal for precision regulator applications.

This series reference provides supply current and power dissipation advantages over shunt references that must idle the entire load current to operate. Additionally, the LT1460 does not require an output compensation capacitor, yet is stable with capacitive loads. This feature is important where PC board space is a premium or fast settling is demanded. In the event of a reverse battery connection, these references will not conduct current, and are therefore protected from damage.

The LT1460 is available in the 8-lead MSOP, SO, PDIP and the 3-lead TO-92 and SOT23 packages.

Applications

Features

Trimmed to High Accuracy: 0.075% Max

Low Drift: 10ppm/°C Max

Industrial Temperature Range

Temperature Coefficient Guaranteed to 125°C

Low Supply Current: 130µA Max (LT1460-2.5)

Minimum Output Current: 20mA

No Output Capacitor Required

Reverse Battery Protection

Minimum Input/Output Differential: 0.9V

Available in S0-8, MSOP-8, PDIP-8, TO-92 and SOT- 23 Package

Application

Handheld Instruments

Precision Regulators

A/D and D/A Converters

Power Supplies

Hard Disk Drives





Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC3440EMS](#)

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MSOP10



[LTC1966CMS8#PBF](#)

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MSOP-8P



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10MSOP



[LTM8045EX#PBF](#)

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BGA40



[LT4295IUFD#PBF](#)

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28-WFQFN