

Linear Technology V-Ref Precision 2.5V 6-Pin TSOT-23 T/R

Manufacturers	Analog Devices, Inc
Package/Case	6SOT2
Product Type	Power Management ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LT1790BIS6-2.5#TRPBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1790 is a family of SOT-23 micropower low dropout series references that combine high accuracy and low drift with low power dissipation and small package size. These micropower references use curvature compensation to obtain a low temperature coefficient and trimmed precision thin-film resistors to achieve high output accuracy. In addition, each LT1790 is post-package trimmed to greatly reduce the temperature coefficient and increase the output accuracy. Output accuracy is further assured by excellent line and load regulation. Special care has been taken to minimize thermally induced hysteresis.

The LT1790s are ideally suited for battery-operated systems because of their small size, low supply current and reduced dropout voltage. These references provide supply current and power dissipation advantages over shunt references that must idle the entire load current to operate. Since the LT1790 can also sink current, it can operate as a micropower negative voltage reference with the same performance as a positive reference.

Applications

Features

High Accuracy:

A Grade—0.05% Max

B Grade—0.1% Max

Low Drift:

A Grade—10ppm/°C Max

B Grade—25ppm/°C Max

Low Thermal Hysteresis 40ppm (Typical) –40°C to 85°C

Low Supply Current: 60µA Max

Sinks and Sources Current

Low Dropout Voltage

Guaranteed Operational –40°C to 125°C

Wide Supply Range to 18V

Available Output Voltage Options: 1.25V, 2.048V, 2.5V, 3V, 3.3V, 4.096V and 5V

Low Profile (1mm) ThinSOT

A Grade—0.05% Max

B Grade—0.1% Max

A Grade—10ppm/°C Max

B Grade—25ppm/°C Max

Application

Handheld Instruments

Negative Voltage References

Industrial Control Systems

Data Acquisition Systems

Battery-Operated Equipment



Related Products



[LT3763EFE](#)

Analog Devices, Inc
TSSOP28



[LT1038CK](#)

Analog Devices, Inc
TO-3



[LTC4417IUF](#)

Analog Devices, Inc
QFN-24



[LTC3440EMS](#)

Analog Devices, Inc
MSOP10



[LTC1966CMS8#PBF](#)

Analog Devices, Inc
MSOP-8P



[LTC2990IMS#PBF](#)

Analog Devices, Inc
10MSOP



[LTM8045EY#PBF](#)

Analog Devices, Inc
BGA40



[LT4295IUFD#PBF](#)

Analog Devices, Inc
28-WFQFN