LH0070-2H/883

Data Sheet

Precision 10V Reference

Manufacturers	Analog Devices, Inc
Package/Case	CAN3
Product Type	Power Management ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for LH0070-2H/883 or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The LT1031/LT0070 are precision 10V references with ultralow drift and noise, extremely good long term stability, and almost total immunity to input voltage variations. The reference output will both source and sink up to 10mA and can be used as a shunt regulator (two terminal Zener) with the same precision characteristics as the three terminal connection. Special care has been taken to minimize thermal regulation effects and temperature induced hysteresis.

The LT1031 reference is based on a buried Zener diode structure which eliminates noise and stability problems associated with surface breakdown devices. Further, a subsurface Zener exhibits better temperature drift and time stability than even the best band-gap references.

Unique circuit design makes the LT1031 the first three terminal IC reference to offer ultralow drift without the use of high power on-chip heaters. Output voltage is pretrimmed to 0.05% accuracy.

The LT1031 can be used as a plug-in replacement for the AD581 and LH0070*, with improved electrical and thermal performance.

Applications

Features

Pin Compatible with LH0070 and AD581

Ultralow Drift—5ppm/°C Max Slope

Trimmed Output Voltage

Operates in Series or Shunt Mode

Output Sinks and Sources in Series Mode

Very Low Noise < 1ppm

P-P

Minimum Input Voltage of 11V

Application

A-to-D and D-to-A Converters

Precision Regulators

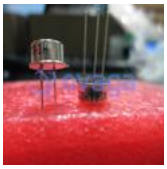
Digital Voltmeters

Inertial Navigation Systems

Precision Scales

Portable Reference Standard

Related Products



[LH0070-1H]

Analog Devices, Inc

TO-39

[LH0070-0H]

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CAN-3

[LH0070-2H]

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CAN-3

[AD580LH]

Analog Devices, Inc

TO-52

[LT1460LHS8-5#TRPBF]

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SOIC-8

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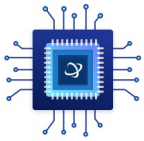
SOIC-8

[LT1460LHS8-2.5#TRPBF]

Analog Devices, Inc

SOP8



[LT1460LHS8-2.5#PBF]

Analog Devices, Inc

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