

Precision Reference

Manufacturers	Analog Devices, Inc
Package/Case	CAN8
Product Type	Voltage Reference
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LT1021CMH-5 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The LT1021 is a precision reference 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. Three voltages are available: 5V, 7V and 10V. The 7V and 10V units can be used as shunt regulators (two-terminal zeners) 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 LT1021 references are based on a buried zener diode structure that 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 bandgap references.

Unique circuit design makes the LT1021 the first IC reference to offer ultralow drift without the use of high power on-chip heaters.

The LT1021-7 uses no resistive divider to set output voltage, and therefore exhibits the best long term stability and temperature hysteresis. The LT1021-5 and LT1021-10 are intended for systems requiring a precise 5V or 10V reference with an initial tolerance as low as $\pm 0.05\%$.

Applications

Features

Ultralow Drift: 5ppm°C Max Slope

Very Low Noise: P-P (0.1Hz to 10Hz)

100% Noise Tested

Pin Compatible with Most Bandgap Reference Applications, Including REF01, REF02, LM368, MC1400 and MC1404 with Greatly Improved Stability, Noise and Drift

Trimmed Output Voltage

Operates in Series or Shunt Mode

Output Sinks and Sources in Series Mode

Minimum Input/Output Differential of 1V

Available in 5-Lead Can, N8 and S8 Packages

Application

A/D and D/A
Converters

Precision Regulators

Digital Voltmeters

Inertial Navigation
Systems

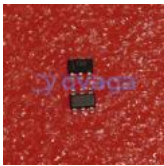
Precision Scales

Portable Reference
Standard





Related Products



[LT1616ES6](#)

Analog Devices, Inc
SOT-23-6



[LT3469ETS8](#)

Analog Devices, Inc
SOT23-8



[LT3470ITS8](#)

Analog Devices, Inc
TSOT23-8



[LT1086MH](#)

Analog Devices, Inc
CAN3



[LT1086CT-5](#)

Analog Devices, Inc
TO-220



[LT1210CT7](#)

Analog Devices, Inc
TO-220-7



[LT1170HVCT](#)

Analog Devices, Inc
TO-220



[LT1964ES5-BYP#PBF](#)

Analog Devices, Inc
SOT-23-5