Low Noise Micropower Precision Voltage Reference (4.096 V); Package: SOIC; No of Pins: 8; Temperature Range: Industrial

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 ADR292ERZ or Email to us: sales@ovaga.com We will contact you in 12 hours.   RFQ

General Description

The ADR291/ADR292 family is a series of voltage references providing stable and accurate output voltages from supplies as low as 2.8 V for the ADR291. Output voltage options are 2.5 V and 4.096 V for the ADR291 and ADR292, respectively.

Quiescent current is only 12 µA, making these devices ideal for battery-powered instrumentation. Three electrical grades are available offering initial output accuracies of ±2 mV, ±3 mV, and ±6 mV maximum for the ADR291, and ±3 mV, ±4 mV, and ±6 mV maximum for the ADR292. Temperature coefficients for the three grades are 8 ppm/°C, 15 ppm/°C, and 25 ppm/°C maximum, respectively. Line regulation and load regulation are typically 30 ppm/V and 30 ppm/mA, maintaining the reference's overall high performance. For a device with 5.0 V output, refer to the ADR293 data sheet.

The ADR291 and ADR292 references are specified over the extended industrial temperature range of −40°C to +125°C. Devices are available in the 8-lead SOIC, 8-lead TSSOP, and 3-lead TO-92 packages.

Features

Supply Range 2.8 V to 15 V, ADR2914.4 V to 15 V, ADR292

Supply Current 15 µA Max

Low-Noise 8 µV and 12 µV p-p (0.1 Hz to 10 Hz)

High Output Current 5 mA

Temperature Range -40ºC to +125ºC

Pin Compatible with/
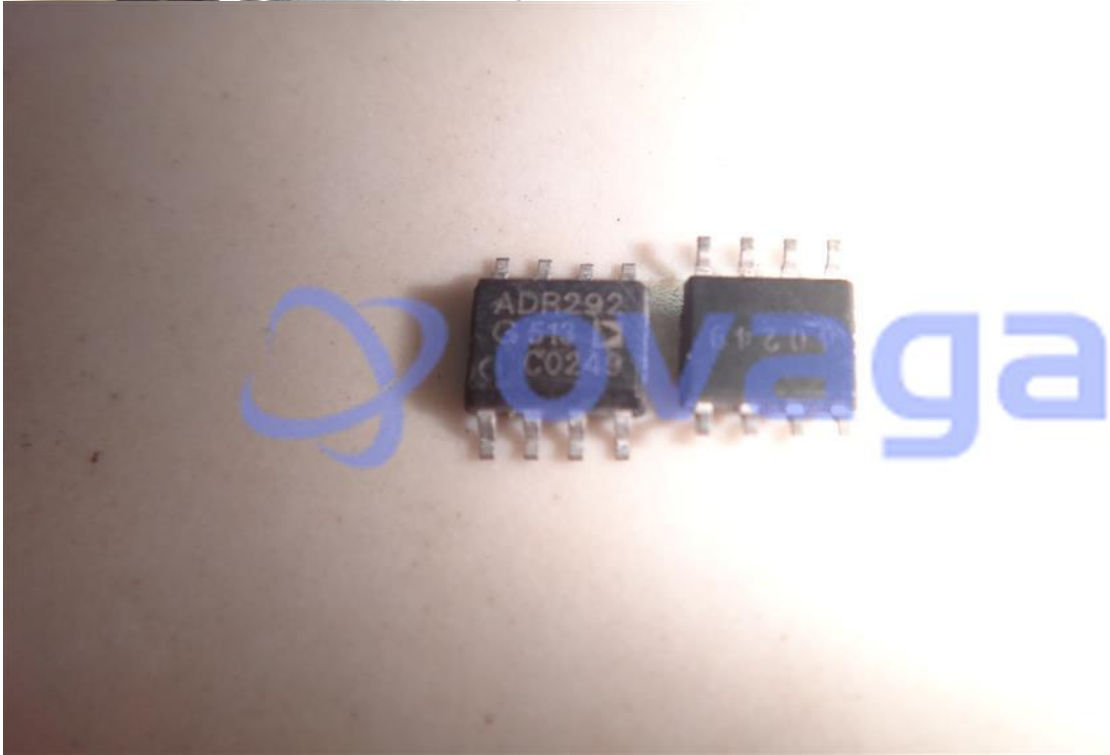
Application

Portable instrumentation

Precision reference for 3 V and 5 V systems

Analog-to-digital and digital-to-analog converter reference

Solar-powered applications

Loop-current-powered instruments

Related Products
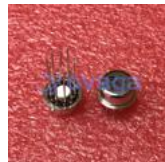

ADP3336ARMZ-REEL7

Analog Devices, Inc

MSOP-8

AD737JRZ

Analog Devices, Inc

SOP-8

ADP3367ARZ

Analog Devices, Inc

SOIC-8

AD636JH

Analog Devices, Inc

TO-100-10

ADP3330ARTZ3.3-RL7

Analog Devices, Inc

SOT-23-6

ADR434BRZ

Analog Devices, Inc

SOIC-8

ADR421ARZ

Analog Devices, Inc

SOP-8

ADR3412ARJZ-R7

Analog Devices, Inc

SOT-23-6