

18 V, Precision, 725 A, 4 MHz, CMOS RRIO Operational Amplifier

Manufacturers	Analog Devices, Inc
Package/Case	SOIC8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADA4661-2ARMZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADA4661-2 is a dual, precision, rail-to-rail input/output amplifier optimized for low power, high bandwidth, and wide operating supply voltage range applications.

The ADA4661-2 performance is guaranteed at 3.0 V, 10 V, and 18 V power supply voltages. It is an excellent selection for applications that use single-ended supplies of 3.3 V, 5 V, 10 V, 12 V and 15 V, and dual supplies of ± 2.5 V, ± 3.3 V, and ± 5 V. It uses the Analog Devices, Inc., patented DigiTrim® trimming technique, which achieves low offset voltage. Additionally, the unique design architecture of the ADA4661-2 allows it to have excellent power supply rejection, common-mode rejection, and offset voltage when operating in the common-mode voltage range of $-V_{SY} + 1.5$ V to $+V_{SY} - 1.5$ V.

The ADA4661-2 is specified over the extended industrial temperature range (-40°C to $+125^{\circ}\text{C}$) and is available in 8-lead MSOP and 8-lead LFCSP (3 mm \times 3 mm) packages.

Features

Low power at high voltage (18 V):725 μ A maximum

Low offset voltage:-- 150 μ V maximum at $V_{sy}/2$ -- 300 μ V maximum over entire common mode range

Low input bias current: 15 pA maximum

Gain bandwidth product:4 MHz typical at $>$

Unity-gain crossover: 4 MHz typical

Single-supply operation: 3 V to 18 V

Dual-supply operation: \pm 1.5 V to \pm 9 V

Unity-gain stable

Application

Current shunt monitors

Active filters

Portable medical equipment

Buffer/level shifting

High impedance sensor interfaces

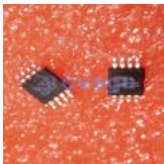
Battery powered instrumentation

Related Products



[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4084-2ARMZ](#)

Analog Devices, Inc
MSOP-8



[AD8567ARUZ](#)

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[AD8062ARMZ](#)

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SOP23



[AD8041AR](#)

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SOP-8