
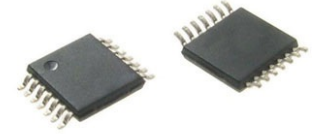


## Op Amp Quad Low Noise Amplifier R-R O/P 6V 14-Pin TSSOP Tube

<b>Manufacturer:</b>	<a href="#">Analog Devices, Inc</a>
<b>Package/Case:</b>	TSSOP14
<b>Product Type:</b>	Amplifier ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The AD8691, AD8692, and AD8694 are low cost, single, dual, and quad rail-to-rail output, single-supply amplifiers featuring low offset and input voltages, low current noise, and wide signal bandwidth. The combination of low offset, low noise, very low input bias currents, and high speed make these amplifiers useful in a wide variety of applications. Filters, integrators, photodiode amplifiers, and high impedance sensors all benefit from this combination of performance features. Audio and other ac applications benefit from the wide bandwidth and low distortion of these devices.

Applications for these amplifiers include power amplifier (PA) controls, laser diode control loops, portable and loop-powered instrumentation, audio amplification for portable devices, and ASIC input and output amplifiers.

The small SC70 and TSOT package options for the AD8691 allow it to be placed next to sensors, thereby reducing external noise pickup.

The AD8691, AD8692, and AD8694 are specified over the extended industrial temperature range of  $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ . The AD8691 single is available in 5-lead SC70 and 5-lead TSOT packages. The AD8692 dual is available in 8-lead MSOP and narrow SOIC surface-mount packages. The AD8694 quad is available in 14-lead TSSOP and narrow 14-lead SOIC packages.

See ordering guide section for automotive grades.

### Key Features

Unity-gain stable

$400\mu\text{V}$  Typical offset voltage

$6\mu\text{V}/^{\circ}\text{C}$  Maximum low offset voltage drift

$1\text{pA}$  Maximum very low input bias current

$8\text{nV}/\sqrt{\text{Hz}}$  Low noise

0.0006% Low distortion

### Application

Photodiode amplification

Battery-powered instrumentation

Medical instruments

Multipole filters

Sensors

Portable audio devices

### Recommended For You

**AD8309ARUZ**

Analog Devices, Inc  
TSSOP16

**AD524BDZ**

Analog Devices, Inc  
CDIP-16

**AD8221BR**

Analog Devices, Inc  
SOP-8

**AD8221ARZ**

Analog Devices, Inc  
SOP8

**AD627BRZ**

Analog Devices, Inc  
SOP8

**AD622ANZ**

Analog Devices, Inc  
DIP8

**ADA4930-2YCPZ-R7**

Analog Devices, Inc  
LFCSP24

**AD8034ARZ**

Analog Devices, Inc  
SOP8

**AD8561ARZ**

Analog Devices, Inc  
SOP8

**AD633JRZ**

Analog Devices, Inc  
SOP8

**AD632AH**

Analog Devices, Inc  
CAN10

**AD8422BRZ**

Analog Devices, Inc  
SOP8

**ADCMP600BKSZ-R2**

Analog Devices, Inc  
SC70-5

**AD620BN**

Analog Devices, Inc  
DIP8

**AD620BR**

Analog Devices, Inc  
SOP