

Operational Amplifier, Quad, 4 Amplifier, 5 MHz, 20 V/ $\mu$ s, 8V to 36V, SOIC, 14 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC-14
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for ADTL084ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The ADTL082 and ADTL084 are JFET input amplifiers that provide industry-leading performance over TL08x devices. The ADTL082A and ADTL084A are improved versions of TL08x A, I, and Q grades. The ADTL082J and ADTL084J are industry alternatives to the TL08x standard and C grades.

The ADTL08x family offers lower noise, offset voltage, offset drift over temperature, and bias current over the TL08x. In addition, the ADTL08x family has better common-mode rejection and slew rates.

These op amps are ideal for various applications, including process control, industrial and instrumentation equipment, active filtering, data conversion, buffering, and power control and monitoring.

The A grade amplifiers are available in lead-free packaging. The standard grade amplifiers are available in both leaded and lead-free packaging.

The ADTL082A and ADTL084A are specified over the extended industrial ( $-40^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ ) temperature range. The ADTL082J and ADTL084J are specified over the commercial ( $0^{\circ}\text{C}$  to  $70^{\circ}\text{C}$ ) temperature range.

## Features

TL082/TL084 compatible

Low input bias current: 10 pA maximum

Offset voltage 5.5 mV maximum (ADTL082A/ADTL084A) 9 mV maximum (ADTL082J/ADTL084J)

Low noise: 16 nV/√Hz

Wide bandwidth: 5 MHz

Slew rate: 20 V/μs

CMRR: 80 dB minimum

Total harmonic distortion: 0.001%

Supply current: 1.2 mA typical

Unity-gain stable

## Application

General-purpose amplification

Power control and monitoring

Active filters

Industrial/process control

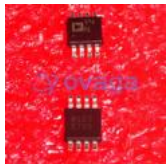
Data acquisition

Sample and hold circuits

Integrators

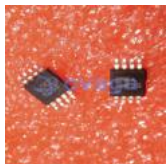
Input buffering

## Related Products



### [AD8418BRMZ-RL](#)

Analog Devices, Inc  
MSOP-8



### [ADA4084-2ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [AD8567ARUZ](#)

Analog Devices, Inc  
TSSOP-14



### [AD8022ARMZ](#)

Analog Devices, Inc  
MSOP-8



### [ADA4528-2ARMZ-R7](#)

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### [AD8062ARMZ](#)

Analog Devices, Inc  
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### [AD8628AUJZ](#)

Analog Devices, Inc  
SOP23



### [AD8041AR](#)

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SOP-8