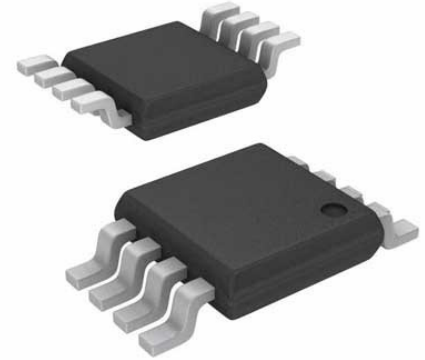


Operational Amplifier, Rail-to-Rail O/P, 2 Amplifier, 220 MHz, 170 V/ μ s, 2.7V to 5.5V, MSOP, 8 Pins



Images are for reference only

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Amplifier ICs
RoHS	Rohs
Lifecycle	

Please submit RFQ for ADA4891-2ARMZ-R7 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The ADA4891-1 (single), ADA4891-2 (dual), ADA4891-3 (triple), and ADA4891-4 (quad) are CMOS, high speed amplifiers that offer high performance at a low cost. The amplifiers feature true single-supply capability, with an input voltage range that extends 300 mV below the negative rail.

In spite of their low cost, the ADA4891 family provides high performance and versatility. The rail-to-rail output stage enables the output to swing within 50 mV of each rail, enabling maximum dynamic range.

The ADA4891 family of amplifiers is ideal for imaging applications, such as consumer video, CCD buffers, and contact image sensor buffers. Low distortion and fast settling time also make them ideal for active filter applications.

The ADA4891-1/ADA4891-2/ADA4891-3/ADA4891-4 are available in a wide variety of packages.

The ADA4891-1 is available in 8-lead SOIC and 5-lead SOT-23 packages.

The ADA4891-2 is available in 8-lead SOIC and 8-lead MSOP packages.

The ADA4891-3 and ADA4891-4 are available in 14-lead SOIC and 14-lead TSSOP packages.

The amplifiers are specified to operate over the extended temperature range of -40°C to $+125^{\circ}\text{C}$.

Applications

Imaging

Consumer video

Active filters

Coaxial cable drivers

Clock buffers

Photodiode preamp

Contact image sensor and buffers

Features

High speed and fast settling –3 dB bandwidth: 220 MHz

Video specifications = 150 Ω)0.1 dB gain flatness: 25 MHz Differential gain error: 0.05%Differential phase error: 0.25°

Single-supply operation Wide supply range: 2.7 V to 5.5 V Output swings to within 50 mV of supply rails

Low distortion: 79 dBc SFDR at 1 MHz

Linear output current: 125 mA at –40 dBc

Low power:4.4 mA per amplifier

Application

Imaging

Active filters

Coaxial cable drivers

Clock buffers

Photodiode preamp

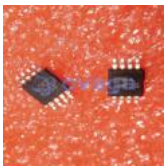
Contact image sensor and buffers

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](#)

Analog Devices, Inc
MSOP-8



[AD8062ARMZ](#)

Analog Devices, Inc
MSOP8



[AD8628AUJZ](#)

Analog Devices, Inc
SOP23



[AD8041AR](#)

Analog Devices, Inc
SOP-8