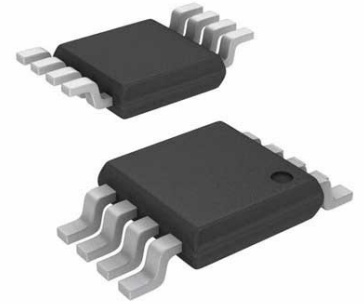


Op Amp Dual High Speed Amplifier R-R O/P $\pm 6V/12V$ 8-Pin MSOP Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Analog Devices, Inc](#)

Package/Case: MSOP8

Product Type: Amplifier ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

Despite their low cost, the AD8091/AD8092 provide excellent overall performance and versatility. The output voltage swing extends to within 25 mV of each rail, providing the maximum output dynamic range with excellent overdrive recovery. This makes the AD8091/AD8092 useful for video electronics, such as cameras, video switchers, or any high speed portable equipment. Low distortion and fast settling make them ideal for active filter applications. The AD8091/AD8092 offer a low power supply current and can operate on a single 3 V power supply. These features are ideally suited for portable and battery-powered applications where size and power are critical.

The wide bandwidth and fast slew rate make these amplifiers useful in many general-purpose, high speed applications where dual power supplies of up to ± 6 V and single supplies from +3 V to +12 V are needed.

This low cost performance is offered in an 8-lead SOIC (AD8091/AD8092), a tiny SOT23-5 (AD8091), and an MSOP (AD8092).

Key Features

Low cost single (AD8091) and dual (AD8092) amplifiers

Fully specified at +3 V, +5 V, and ± 5 V supplies

Single-supply operation Output swings to within 25 mV of either rail

High speed and fast settling on 5 V 110 MHz, -3 dB bandwidth (G = +1) 145 V/ μ s slew rate 50 ns settling time to 0.1%

Good video specifications (G = +2) Gain flatness of 0.1 dB to 20 MHz; RL = 150 Ω 0.03% differential gain error; RL = 1 k Ω 0.03% differential phase error; RL = 1 k Ω

Low distortion -80 dBc total harmonic @ 1 MHz; RL = 100 Ω

Outstanding load drive capability Drives 45 mA, 0.5 V from supply rails Drives 50 pF capacitive load (G = +1)

Low power of 4.4 mA per amplifier

Application

Coaxial cable drivers

Active filters

Video switchers

Professional cameras

CCD imaging systems

CDs/DVDs

Clock buffers

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