

Operational Amplifier, Single, 1 Amplifier, 300 MHz, 1400 V/ μ s, ± 4 V to ± 6 V, SOIC, 8 Pins

Manufacturers	Analog Devices, Inc
Package/Case	SOP-8
Product Type	Amplifier ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for AD8055ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8055 (single) voltage feedback amplifier offers bandwidth and slew rate typically found in current feedback amplifiers. Additionally, this amplifier is easy to use and available at a very low cost.

Despite its low cost, the AD8055 provides excellent overall performance. For video applications, its differential gain and phase error is 0.01% and 0.02° into a 150 W load, and 0.02% and 0.1° while driving four video loads (37.50 W).

Its 0.1 dB flatness out to 40 MHz, wide bandwidth out to 300 MHz, along with 1400 V/ μ s slew rate and 20 ns settlingtime, make them useful for a variety of high-speed applications.

The AD8055 requires only 5 mA typ/amplifier of supply current and operates on a dual ± 5 V or single +12 V powersupply, while capable of delivering over 60 mA of loadcurrent. The AD8055 is available in a small 8-lead PDIP, 8-lead SOIC, and 5-lead SOT-23 packages. These features make the AD8055 ideal for portable and battery powered applications where size and power are critical. This amplifier in the R-8, N-8 and RM-8 packages are available in the extended temperature range of -40°C to +125°C.

AD8055 (Single) PDIP-8, SOIC-8 and SOT-23-5

AD8056 (Dual) PDIP-8, SOIC-8 and MSOP-8

Features

Low cost

Easy to use voltage feedback architecture

High speed 300 MHz, -3 dB bandwidth >

Small packaging

High output drive current: over 60 mA

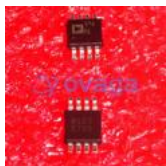
Excellent video = +2) Gain flatness 0.1 dB to 40 MHz 0.01% differential gain error 0.02° differential phase error

Drives 4 video loads (37.5 V) with 0.02% differential gain and 0.1° differential phase

Low power, ±5 V supplies 5 mA typ/amplifier power supply current



Related Products



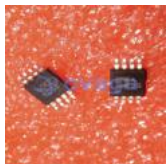
[AD8418BRMZ-RL](#)

Analog Devices, Inc
MSOP-8



[ADA4528-2ARMZ-R7](#)

Analog Devices, Inc
MSOP-8



[ADA4084-2ARMZ](#)

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