ADA4857-1YRZ

Data Sheet

Operational Amplifier, Voltage Feedback, 1 Amplifier, 750 MHz, 1500 V/µs, 4.5V to 10.5V, NSOIC

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

Images are for reference only

Please submit RFQ for ADA4857-1YRZ or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The ADA4857 has 850 MHz bandwidth, 2800 V/µs slew rate, and settles to 0.1% in 15 ns. With a wide supply voltage range (5 V to 10 V), the ADA4857 is an ideal candidate for systems that require high dynamic range, precision, and speed.

The ADA4857-1 amplifier is available in a 3 mm × 3 mm, 8-lead LFCSP and a standard 8-lead SOIC. The ADA4857-2 is available in a 4 mm × 4 mm, 16-lead LFSCP. The LFCSP features an exposed paddle that provides a low thermal resistance path to the printed circuit board (PCB). This path enables more efficient heat transfer and increases reliability. The ADA4857 works over the extended industrial temperature range (−40°C to +125°C).

Features

High speed850 MHz, -3 dB bandwidth = 1kΩ), LFSCP) 750 MHz, −3 dB bandwidth = 1 kΩ, SOIC)2800 V/µs slew rate

Low distortion: -88 dBc @ 10 MHz = 1kΩ)

Low power: 5 mA/amplifier @ 10 V

Low noise: 4.4 nV/√Hz

Wide supply voltage range: 5 V to 10 V

Power-down feature

Available in 3 mm × 3 mm 8-lead LFCSP (single), 8-lead SOIC (single), and 4 mm × 4 mm 16-lead LFCSP (dual)

Application

Instrumentation

IF and baseband amplifiers

Active filters

ADC drivers

DAC buffers

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Related Products

[AD8418BRMZ-RL](#)

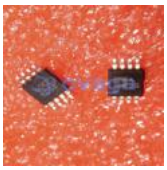
Analog Devices, Inc

MSOP-8

[ADA4528-2ARMZ-R7](#)

Analog Devices, Inc

MSOP-8



[ADA4084-2ARMZ](#)

Analog Devices, Inc

MSOP-8

[AD8062ARMZ](#)

Analog Devices, Inc

MSOP8

[AD8567ARUZ](#)

Analog Devices, Inc

TSSOP-14

[AD8628AUJZ](#)

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SOP23

[AD8022ARMZ](#)

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[AD8041AR](#)

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