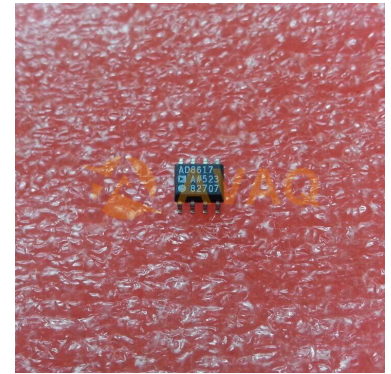



Op Amp Dual Low Noise Amplifier R-R I/O $\pm 2.5V/5V$ 8-Pin SOIC N Tube



Images are for reference only

[Inquiry](#)

Manufacturer:	Analog Devices, Inc
Package/Case:	SOP8
Product Type:	Amplifier ICs
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active

General Description

The AD8613 / AD8617 / AD8619 are single, dual, and quad micropower, rail-to-rail input and output amplifiers that feature low supply current, as well as low input voltage and current noise. The parts are fully specified to operate from 1.8 V to 5 V single supply, or ± 0.9 V and ± 2.5 V dual supply. The combination of low noise, very low input bias currents, and low power consumption make the AD8613 / AD8617 / AD8619 especially useful in portable and loop-powered instrumentation.

The ability to swing rail-to-rail at both the input and output enables designers to buffer CMOS ADCs, DACs, ASICs, and other wide output swing devices in low power, single-supply systems.

The AD8613 is available in a 5-lead SC70 package and a 5-lead TSOT-23 package. The AD8617 is available in 8-lead MSOP, 8-lead SOIC, and 8-lead LFCSP packages. The AD8619 is available in 14-lead TSSOP and 14-lead SOIC packages. The AD8617W is qualified for automotive applications and is available in 8-lead MSOP and 8-lead SOIC packages. The AD8619W is qualified for automotive applications and is available in 14-lead SOIC and 14-lead TSSOP packages.

Key Features

- No phase reversal
- Unity gain stable
- 2.2mV Maximum offset voltage
- 1pA Maximum low input bias current
- 22nV/ $\sqrt{\text{Hz}}$ Low noise
- 50 μA /amplifier Maximum over temperature micropower

Application

- Battery-powered instrumentation
- Multipole filters
- Current shunt sense
- Sensors
- ADC predrivers
- DAC drivers/level shifters
- Low power ASIC input or output amplifiers

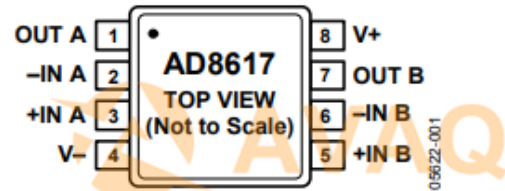
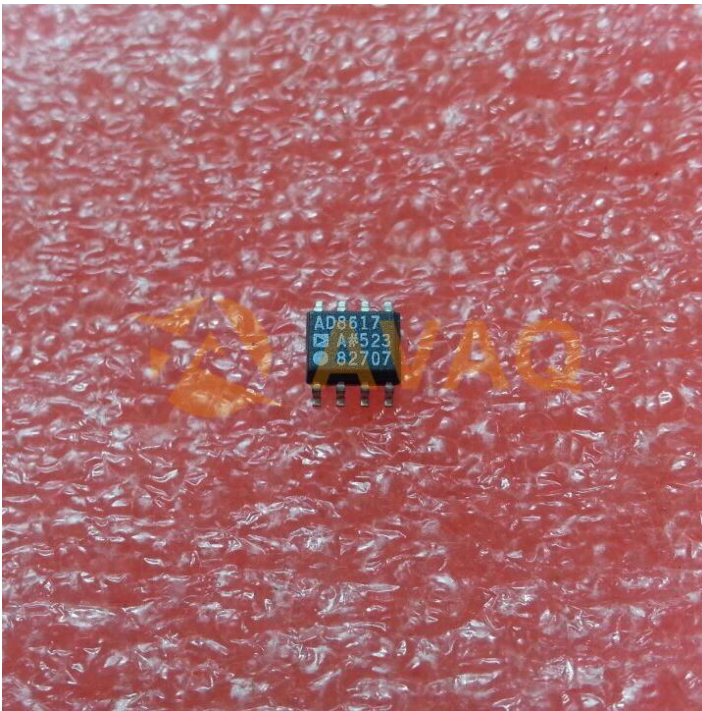


Figure 2. 8-Lead MSOP and 8-Lead SOIC_N

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