

Precision, Low Power, Single Supply JFET Amplifier in 5-Lead SC70; Temperature Range: Industrial

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



Images are for reference only

Please submit RFQ for AD8627ARZ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The AD8627 is a true single supply precision JFET input amplifier featuring low power consumption and rail-to-rail output. Outputs are stable with capacitive loads of over 500 pF. Supply current is less than 900 μ A per amplifier.

Applications for these amplifiers include photodiode transimpedance amplification, ATE reference level drivers, battery management, both line powered and portable instrumentation and remote sensor signal conditioning including automotive sensors. The ability to swing nearly rail-to-rail at the input and rail to rail at the output enables designers to buffer CMOS DACs, ASICs and other wide output swing devices in single supply systems. The 5 MHz bandwidth and low offset are ideal for precision filters.

The AD8627 is fully specified over the extended industrial (-40°C to +125°C) temperature range. The AD8627 is available in 5 lead SC70 and 8-lead SOIC surface mount packages. SC70 packaged parts are available in tape and reel only.

Features

SC70 Package

Very Low Input Bias Current: 1 pA Max

Single-supply Operation: 5 V to 26 V

Dual-supply Operation: ± 2.5 V to ± 13 V

Rail-to-rail Output

Low Supply Current: 750 μ A/amp

Low Offset Voltage: 500 μ V max

Unity Gain Stable

No Phase Reversal



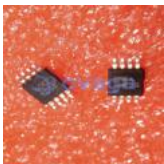


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MSOP-8



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