

SP Amp DIFF AMP Single ±18V 8-Pin SOIC N T/R

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



Images are for reference only

Inquiry

General Description

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The AD629 is a difference amplifier with a very high input, common-mode voltage range. It is a precision device that allows the user to accurately measure differential signals in the presence of high common-mode voltages up to ± 270 V.

The AD629 can replace costly isolation amplifiers in applications that do not require galvanic isolation. The device operates over a ± 270 V common-mode voltage range and has inputs that are protected from common-mode or differential mode transients up to ± 500 V.

The AD629 has low offset, low offset drift, low gain error drift, low common-mode rejection drift, and excellent CMRR over a wide frequency range. The AD629 is available in low cost, 8-lead PDIP and 8-lead SOIC packages. For all packages (including die) and grades, performance is guaranteed over the industrial temperature range of -40° C to $+85^{\circ}$ C.

Key Features	Application
Improved replacement for: INA117P and INA117KU	High voltage current
Input protection to ± 500 V common mode ± 500 V differential modeWide power supply range (± 2.5 V to ± 18 V) ± 10 V output swing on ± 12 V supply 1 mA maximum power supply current	
LICULACCURACY DC DEDEORMANICE 2 non-maximum asia nonlinearity (ADC20D) 20	Battery cell voltage monitors
EACELEL 11 AC 51 ECH ICATIONS // ub minimum Civick (@ 500 12 (AD027A) 60 ub minimum Civick (@ 500 12 (AD027b) 500	Power supply current monitors
	Motor controls
	Isolation

Recommended For You

AD8309ARUZ

Analog Devices, Inc

TSSOP16

AD8221ARZ

Analog Devices, Inc SOP8

ADA4930-2YCPZ-R7

Analog Devices, Inc

LFCSP24

AD633JRZ Analog Devices, Inc SOP8

ADCMP600BKSZ-R2

Analog Devices, Inc SC70-5

AD524BDZ

Analog Devices, Inc CDIP-16

AD627BRZ Analog Devices, Inc SOP8

AD8034ARZ Analog Devices, Inc SOP8

AD632AH Analog Devices, Inc CAN10

AD620BN Analog Devices, Inc DIP8 AD8221BR

Analog Devices, Inc SOP-8

AD622ANZ Analog Devices, Inc DIP8

AD8561ARZ Analog Devices, Inc

SOP8

Analog Devices, Inc SOP8

AD8422BRZ

AD620BR

Analog Devices, Inc SOP