

## Single-Supply, 1mA, 2MHz, Single Rail-to-Rail Operational Amplifier

### Features

- Gain Bandwidth Product                    2 MHz (typ.)
- Low Supply Current                         1 mA (typ.)
- Single Supply Operation                  2.4 V to 6.0 V
- Low Input Bias Current                    10 pA (typ.)
- No External Capacitors Required
- Rail-to-Rail Input and Output Swing

### Applications

- Automotive
- Portable Equipment
- Photodiode Amplifier
- Analog Filters
- Notebook and PDAs
- Battery-Powered System

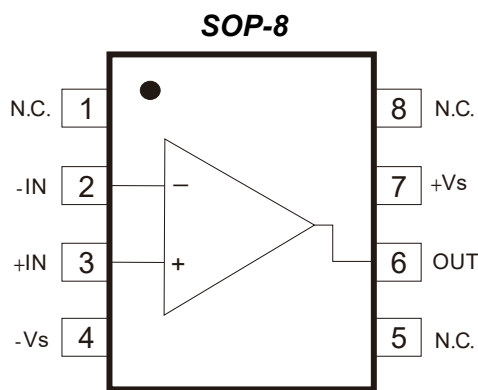
### Available Package

- SOT-23-5L
- SOP-8
- RoHS Compliant

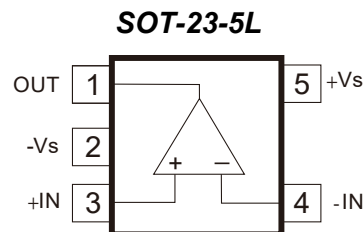
### General Description

The CS6A6291 is a single rail-to-rail input and output operational amplifier which has low supply current and low input bias current. It has wide supply voltage operating range from 2.4 V to 6.0 V.

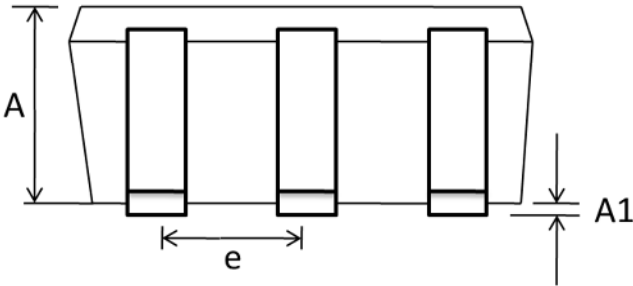
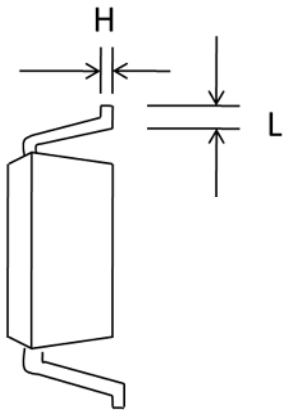
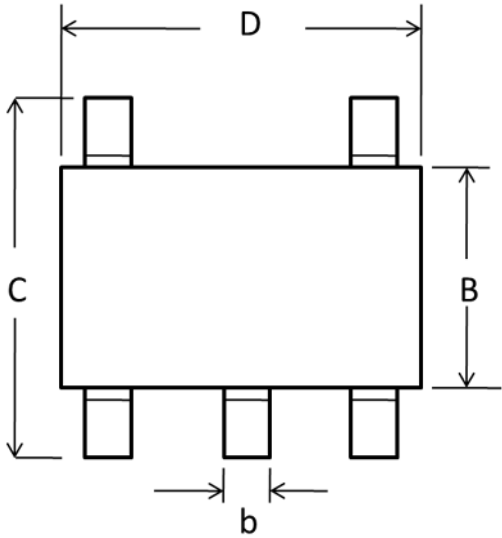
The rail-to-rail input and output swings provided by the CS6A6291 makes it easy to perform both high-side and low-side sensing, which makes it a good choice for temperature, position and pressure sensors, or any low power applications that require high precision and long term stability.



N.C. = No Connect

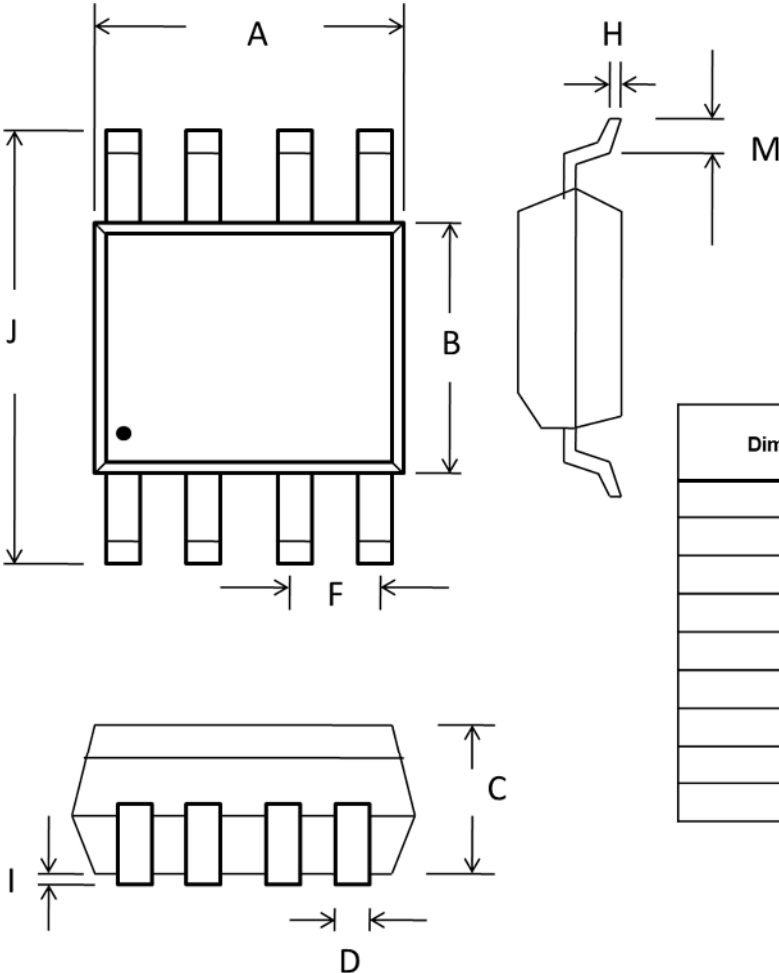


▪ **Package Outline Dimension (SOT-23-5L)**



Dimension	Millimeter	
	Min.	Max.
A	0.889	1.295
A1	0.000	0.152
B	1.397	1.803
b	0.356	0.559
C	2.591	2.997
D	2.692	3.099
e	0.838	1.041
H	0.080	0.254
L	0.300	0.610

■ Package Outline Dimension (SOP-8)



Dimension	Millimeter	
	Min.	Max.
A	4.801	5.004
B	3.810	3.988
C	1.346	1.753
D	0.330	0.508
F	1.194	1.346
H	0.170	0.254
I	0.050	0.254
J	5.791	6.200
M	0.400	1.270

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