

AXOP31001

100V RRIO Operational Amplifiers



Datasheet – Sep 2022

Description

The AXOP31001 is a single high voltage (5V to 100V) operational amplifier (opamp) with rail-to-rail input and output swing capabilities. These devices are very suitable for applications where high voltage operation, a small footprint, and high capacitive load drive are required.

Features

- Supply voltages from 5V to 100V
- Rail-to-rail input and output
- Low input offset voltage: $\pm 1\text{mV}$ typ
- Unity-gain bandwidth: 10MHz
- Slew rate: 50V/ μs
- THD 100dB
- SNR 100dB
- Low quiescent current (per opamp): 3mA typ @100V
- Easier to stabilize with higher capacitive load due to resistive open-loop output impedance
- Shutdown function

Applications

- Test equipment
- High voltage regulators and power amplifiers
- Industrial control
- Piezo drivers
- Active filters
- High-V current sensing
- Data acquisition system

Table 1 Device Summary

Order code	Package	Packing
AXOP31001	eSOP8	Tube

