

# AXOP3906x

## 25MHz RRIO Operational Amplifiers (Dual/Quad)



Datasheet – 22 Feb 2022

### Description

The AXOP39062 (dual), and AXOP39064 (quad) are dual and quad low voltage (1.5V to 5.5V) operational amplifiers (opamps) with rail-to-rail input and output swing capabilities. These devices are very suitable for applications where low voltage operation, a small footprint, and high capacitive load drive are required. AXOP39062S and AXOP39064S are with Shutdown function.

### Features

- Rail-to-rail input and output
- Low input offset voltage:  $\pm 0.5\text{mV}$  typ
- Unity-gain bandwidth: 25MHz
- Low broadband noise:  $8\text{nV}/\sqrt{\text{Hz}}$  @10kHz
- Low quiescent current (per opamp):  $400\mu\text{A}$  typ
- Operational at supply voltages as low as 1.5V
- Easier to stabilize with higher capacitive load due to resistive open-loop output impedance
- Shutdown function (AXOP39062S and AXOP39064S)

### Applications

- White goods
- Infotainment system
- HVAC: heating, ventilating, and air conditioning
- Motor control
- Wearable devices
- Sensor signal conditioning
- Power modules
- Active filters

Table 1 Device Summary

Order code	Package	Packing
AXOP39062A	TSSOP8	Reel
AXOP39062B	DFN8	Reel
AXOP39062C	SOP8	Reel
AXOP39062SA	DFN10	Reel
AXOP39062SB	MSOP10	Reel
AXOP39064A	QFN14	Reel
XOP39064B	TSSOP14	Reel
AXOP39064S	QFN16	Reel

